



WHITESTONE
solar farm

WHITESTONE SOLAR FARM

Draft Environmental Statement

Volume 3, Appendix 14.2: Baseline Conditions

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APPENDIX 14.2: BASELINE CONDITIONS

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Contents

14.2 Baseline Conditions	1
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Tables

Table 14.2-1: Noise Assessment Locations.....	2
Table 14.2-2: Proposed Noise Monitoring Locations	9
Table 14.2-3: Construction Noise Assessment Categories.....	13
Table 14.2-4: Equipment Used	14
Table 14.2-5: Measured ambient sound levels at NML01	18
Table 14.2-6: Total ambient sound levels at NML01 and ABC categories	18
Table 14.2-7: Measured Ambient Sound Levels at NML02.....	23
Table 14.2-8: Total Ambient Sound levels at NML02 and ABC categories	23
Table 14.2-9: Measured ambient sound levels at NML03.....	28
Table 14.2-10: Total ambient sound levels at NML03 and ABC categories	28
Table 14.2-11: Measured ambient sound levels at NML04.....	33
Table 14.2-12: Total ambient sound levels at NML04 and ABC categories	33
Table 14.2-13: Measured ambient sound levels at NML05.....	38
Table 14.2-14: Total ambient sound levels at NML05 and ABC categories	38
Table 14.2-15: Measured ambient sound levels at NML07.....	43
Table 14.2-16: Total ambient sound levels at NML07 and ABC categories	43
Table 14.2-17: Measured ambient sound levels at NML09.....	49
Table 14.2-18: Total ambient sound levels at NML09 and ABC categories	49
Table 14.2-19: Measured ambient sound levels at NML10.....	54
Table 14.2-20: Total ambient sound levels at NML10 and ABC categories	54
Table 14.2-21: Measured ambient sound levels at NML11	60
Table 14.2-22: Total ambient sound levels at NML11 and ABC categories	60
Table 14.2-23: Measured ambient sound levels at NML12.....	65
Table 14.2-24: Total ambient sound levels at NML12 and ABC categories	65
Table 14.2-25: Measured ambient sound levels at NML13.....	70
Table 14.2-26: Total ambient sound levels at NML13 and ABC categories	70
Table 14.2-27: Measured ambient sound levels at NML14.....	75
Table 14.2-28: Total ambient sound levels at NML14 and ABC categories	75
Table 14.2-29: Measured ambient sound levels at NML15.....	80
Table 14.2-30: Total ambient sound levels at NML15 and ABC categories	80
Table 14.2-31: Measured ambient sound levels at NML17	85
Table 14.2-32: Total ambient sound levels at NML17 and ABC categories	85
Table 14.2-33: Measured ambient sound levels at NML19.....	90
Table 14.2-34: Total ambient sound levels at NML19 and ABC categories	90
Table 14.2-35: Measured ambient sound levels at NML20.....	95
Table 14.2-36: Total ambient sound levels at NML20 and ABC categories	95
Table 14.2-37: Measured ambient sound levels at NML21	100
Table 14.2-38: Total ambient sound levels at NML21 and ABC categories	100
Table 14.2-39: Measured ambient sound levels at NML22.....	105
Table 14.2-40: Total ambient sound levels at NML22 and ABC categories	105
Table 14.2-41: Measured ambient sound levels at NML23.....	110
Table 14.2-42: Total ambient sound levels at NML23 and ABC categories	110
Table 14.2-43: Measured ambient sound levels at NML24.....	115

APPENDIX 14.2: BASELINE CONDITIONS

Table 14.2-44: Total ambient sound levels at NML24 and ABC categories	115
Table 14.2-45: Summary of noise monitoring for Common Farm Solar Farm NIA.....	117
Table 14.2-46: ABC Categories and Background Sound Levels for Each Assessment Location	117

Figures (See Volume 2, Figures)

Figure Number	Figure Title
14.1	Noise Assessment Locations and Indicative Baseline Monitoring Locations

Appendices (See Volume 3, Appendices)

Appendix Number	Appendix Title
14.1	Legislation, Policy and Guidance
14.2	Baseline Conditions
14.3	Construction Noise and Vibration Assessment
14.4	Operational Noise Assessment

Glossary

Term	Meaning
<i>Ambient sound level, $L_a = L_{aeq}, T$</i>	The A-weighted equivalent continuous sound level of the totally encompassing sound for a given situation and time interval, T.
<i>A-weighting</i>	Frequency weighting applied to measured sound in order to account for the relative loudness perceived by the human ear.
<i>Decibel (dB)</i>	The logarithmically scaled measurement unit of sound.
<i>L_{aeq}, T</i>	A-weighted equivalent continuous sound level over a given time period. It is the sound level of a steady sound that has the same energy as a fluctuating sound over the same time period.
<i>LA_{90}, T</i>	The A-weighted sound level exceeded for 90% of the measurement period. Often referred to as the background sound level.
<i>Peak Particle Velocity (PPV)</i>	A measure of the magnitude of vibration, representing the greatest instantaneous particle velocity in a given time period. Measured in mm/s.
<i>Rating level, L_{ar}, T_r</i>	The specific sound level plus any adjustment for the characteristic features of the sound.
<i>Specific sound level, $L_s = L_{aeq}, T_r$</i>	The A-weighted equivalent continuous sound pressure level produced by the specific sound source at the reference location over a reference time interval, T.
<i>The Proposed Development</i>	The proposed Whitestone Solar Farm.
<i>The Site</i>	The land proposed to be used for solar PV array and associated infrastructure, BESS, substations, and landscaping and habitat enhancement. The Site is split into W1, W2, and W3.

APPENDIX 14.2: BASELINE CONDITIONS

Acronyms

Acronym	Meaning
<i>AAWT</i>	Annual Average Weekday Traffic
<i>BESS</i>	Battery Energy Storage System
<i>BNL</i>	Basic Noise Level
<i>CTMP</i>	Construction Traffic Management Plan
<i>CRTN</i>	Calculation of Road Traffic Noise
<i>dB</i>	Decibel
<i>DMRB</i>	Design Manual for Roads and Bridges
<i>EIA</i>	Environmental Impact Assessment
<i>ES</i>	Environmental Statement
<i>HDD</i>	Horizontal Directional Drilling
<i>LOAEL</i>	Lowest Observed Adverse Effect Level
<i>NOEL</i>	No Observed Effect Level
<i>NPSE</i>	Noise Policy Statement for England
<i>oCEMP</i>	Outline Construction Environmental Management Plan
<i>oOEMP</i>	Outline Operational Environmental Management Plan
<i>PCS</i>	Power Converter Station
<i>PPV</i>	Peak Particle Velocity
<i>SOAEL</i>	Significance Observed Adverse Effect Level
<i>UAEL</i>	Unacceptable Adverse Effect Level

Units

Units	Meaning
<i>dB</i>	Decibel
<i>m</i>	Metre
<i>mm</i>	Millimetre
<i>s</i>	Second

14.2 Baseline Conditions

Assessment Locations

- 14.2.1 Representative noise assessment locations (AL001 to AL115) have been identified within the operational noise Study Area. These are presented in **Table 14.2-1** and on **Volume 3, Figure 14.1: Noise Assessment Locations and Indicative Baseline Monitoring Locations**.
- 14.2.2 Assessment locations have been chosen within the noise study areas to represent noise sensitive receptors which have the potential to be impacted by the Proposed Development. These locations have been consulted and agreed with Rotherham Metropolitan Borough Council. City of Doncaster Council were consulted on 30th April 2025 regarding the proposed assessment locations, however, there has been no response to date. The assessment locations considered in this Draft ES chapter are specific to the Site (i.e., solar areas) and are also applicable to the majority of Cable Corridor Options. Additional assessment locations will be included in the ES to reflect the Cable Corridor Options.

APPENDIX 14.2: BASELINE CONDITIONS

Table 14.2-1: Noise Assessment Locations

Noise assessment location ID	Location
AL001	101 Mansfield Road Killamarsh S21 2BW
AL002	10 Woodall Way Killamarsh S21 2AB
AL003	1b Mansfield Road Killamarsh S21 2BW
AL004	3 Cinder Ln Killamarsh S21 2AT
AL005	41 Dowcarr Lane Harthill S26 7XN
AL006	Woodall Farm Dowcarr Lane Harthill S26 7XN
AL007	Wayside Woodall Lane Harthill S26 7YQ
AL008	58 Carver Close Harthill S26 7XA
AL009	8 Hillside Green Harthill S26 7AB
AL010	Pebley Grove Farm Barlborough S43 4TH
AL011	Rotherham Road Barlborough Chesterfield S43 4TH
AL012	50 Walseker Lane Harthill S26 7YJ
AL013	14 Whetstone Drive Harthill S26 7AG
AL014	Lynncroft House Hard Lane Kiveton Park S26 6RP
AL015	Hard Lane Kiveton Park Sheffield S26 6RP
AL016	Fairfield Jackys Lane Harthill S26 7XU
AL017	47 Mackinnon Avenue Kiveton Park S26 6QB
AL018	42 Blackthorne Boulevard Kiveton Park S26 5AN
AL019	Springfield Farm Church Street Wales S26 5LQ
AL020	Norwood Lock Rotherham Road Killamarsh S21 2DS
AL021	1 Mill Lane South Anston S25 5BG
AL022	19 Mill Lane South Anston S25 5BG
AL023	The Old Mill Main Street North Anston S25 4BA

APPENDIX 14.2: BASELINE CONDITIONS

Noise assessment location ID	Location
AL024	3 Penny Piece Place North Anston S25 4JZ
AL025	33 Cramfit Road North Anston S25 4AJ
AL026	7 Fairacre Way North Anston S25 4AD
AL027	Brickyard Cottage Common Road North Anston Sheffield S25 4AH
AL028	Burne Farm Sheffield Road Todwick S26 1DJ
AL029	Sheffield Road Todwick Sheffield S26 1DJ
AL030	23 Osborne Drive Todwick S26 1HW
AL031	8 Freesia Close South Anston S25 5JB
AL032	Green Dale Todwick Road Todwick S26 1HD
AL033	Brookfields Todwick Road Todwick S26 1HD
AL034	Grange Farm, Todwick, Sheffield S26 1AB
AL035	Brookside Common Road North Anston S25 4AH
AL036	Common Farm Bookers Lane Dinnington S25 1ZX
AL037	Hardwick Hall Farm Hardwick Lane Aston S26 2BE
AL038	Greenlands Long Road Thurcroft S66 9BJ
AL039	Double Acre Long Road Thurcroft Rotherham S66 9BJ
AL040	Hardwick Grange Farm Hardwick Lane Aston S26 2BE
AL041	Vessey Close Farm Hardwick Lane Aston S26 2BE
AL042	Meadow View Hawkhill Lane Thurcroft S66 9BL
AL043	Side Farm Laughton Common Road Thurcroft S66 9BN
AL044	Double H Laughton Common Road Thurcroft S66 9BN
AL045	1 Green Arbour Court Thurcroft S66 9ET
AL046	3 Guilbert Avenue Thurcroft S66 9QE
AL047	Chantilly Place Toad Lane Brampton-En-Le-Morthen S66 9BG

APPENDIX 14.2: BASELINE CONDITIONS

Noise assessment location ID	Location
AL048	Redcott Brampton Road Brampton-En-Le-Morthen S66 9BE
AL049	Brampton Villa Pennyhill Lane Thurcroft S66 9BQ
AL050	Penny Hill Farm Pennyhill Lane Thurcroft S66 9BQ
AL051	Unit 9a Penny Hill Lane Thurcroft Rotherham S66 9BQ
AL052	Ulley Beeches Farm Ulley Beeches Thurcroft S66 9BH
AL053	25 Main Street Ulley S26 3YD
AL054	2 Killamarsh Lane Harthill S26 7UN
AL055	59 Stockwell Avenue Kiveton Park S26 5QR
AL056	66 Church Street Wales S26 5LQ
AL057	7 Turnshaw Road Ulley Sheffield S26 3YG
AL058	22 Turnshaw Road Ulley S26 3YG
AL059	20 Poynton Avenue Ulley S26 3YE
AL060	The Holt Ulley Lane Ulley S26 3YH
AL061	171 Aston Lane Aughton S26 3XA
AL062	Elvington Aughton Lane Aston S26 2AJ
AL063	South View Ulley Lane Aston S26 2DR
AL064	Aston Common Aston Sheffield S26 2AD
AL065	The Old Farmstead Whiston S60 4NG
AL066	The Heights Upper Whiston Lane Whiston S60 4NF
AL067	Guilthwaite Grange Guilthwaite Hill Whiston S60 4NE
AL068	Guilthwaite Hall Guilthwaite Hill Whiston S60 4NE
AL069	Two Acres Pleasley Road Aughton S26 3XL
AL070	The Hayloft Green Lane Ulley Sheffield S26 37B
AL071	93 Ivanhoe Road Thurcroft S66 9QB

APPENDIX 14.2: BASELINE CONDITIONS

Noise assessment location ID	Location
AL072	6 Brampton Meadows Thurcroft S66 9ND
AL073	3 Manor Farm York Lane Morthen S66 9JH
AL074	Grange Farm York Lane Morthen S66 9JH
AL075	Royds Moor Farm Lodge Royds Moor Whiston S60 4NL
AL076	4 Braithwell View Ruddle Lane Micklebring S66 7RT
AL077	84 Greaves Sike Lane Micklebring S66 7RR
AL078	Birk Lodge Farm Ravenfield S65 4LX
AL079	Providence Cottage Well Lane Maltby S66 7RF
AL080	White Pheasant Farm Common Lane Conisbrough DN12 2BF
AL081	The Bungalow Kearsley Lane Conisbrough DN12 2AT
AL082	The Threshing Barn Firsby Lane Conisbrough DN12 2BB
AL083	Atlanta House Doncaster Road Hooton Roberts S65 4PF
AL084	3 Firsby Lane Conisbrough Doncaster DN12 2BA
AL085	2 Parks Farm Cottages Park Lane Conisbrough DN12 2AW
AL086	129 Sheffield Road Conisbrough DN12 2AR
AL087	8 Larch Grove Conisbrough DN12 2JX
AL088	Spring Bank Bungalow Spring Bank Road Conisbrough DN12 2AX
AL089	5 Hall Mews Ravenfield S65 4PW
AL090	1 St. James View Ravenfield S65 4NL
AL091	Wood Lane Treeton S60 5QS
AL092	Treeton Rotherham S60 5RG
AL093	1-2 The Cottages Spa Houses Treeton S60 5RG
AL094	74-76 Bole Hill Treeton S60 5RE
AL095	33 Spa Well Crescent Treeton S60 5RD

APPENDIX 14.2: BASELINE CONDITIONS

Noise assessment location ID	Location
AL096	21 Shorland Drive Treeton S60 5UP
AL097	Flatts Farm Flatts Lane Treeton S60 5QZ
AL098	The Lodge Park Estate Park Lane Conisbrough DN12 2AP
AL099	4 Penny Hill Lane Ulley S26 3YA
AL100	Slacks Lane Bramley Rotherham S66 1TZ
AL101	Dovecoat Farm Moat Lane Wickersley S66 1DZ
AL102	82 Cutlers Walk Wickersley S66 1BT
AL103	8 Blake Close Bramley S66 1UN
AL104	Cumwell Lane Hellaby Rotherham S66 8PU
AL105	9 Tree Hollow Place Wickersley S66 1DD
AL106	Copperbeech Farm Green Lane Thurcroft S66 9JD
AL107	56 Wood Lane Wickersley S66 1JX
AL108	27 Treeton Lane Aughton S26 3XP
AL109	6 Chandler Grove Treeton S60 5TY
AL110	52 Rectory Gardens Todwick S26 1JU
AL111	12 Windle Court Treeton S60 5UX
AL112	Long Leys Lane Rotherham S66 7BS
AL113	21 Haworth Crescent S60 3BW
AL114	10 Graham Avenue Brinsworth S60 5LA
AL115	25 Whiston Vale Whiston S60 4JJ

Baseline Noise Monitoring

Table 14.2-2

APPENDIX 14.2: BASELINE CONDITIONS

- 14.2.3 presents proposed noise monitoring locations, including a description of the likely existing sources of noise in the surrounding environment as interpreted from a desktop review using OS data and open-source mapping. Baseline noise monitoring locations were also consulted and agreed with Rotherham Metropolitan Borough Council (RMBC). City of Doncaster Council were consulted on 30th April 2025 regarding the proposed monitoring locations, however, there has been no response to date.

APPENDIX 14.2: BASELINE CONDITIONS

Table 14.2-2: Proposed Noise Monitoring Locations

Baseline Noise Monitoring Location (NML) ID	NML location	Represented Assessment Locations (ALs)	Rationale for representation
NML01	Woodall Way Killamarsh S21 2AB	AL001, AL002, AL003, AL004	Similar distances east of M1 between Junction 30 and 31, and adjacent to Mansfield Road
NML02	Hard Lane, Harthill, S26 7AG	AL007, AL008, AL009, AL010, AL013, AL014, AL015, AL016, AL017, AL018, AL020, AL055	Similar distances west of M1 between Junction 30 and 31
NML03	Walseker Lane, Woodall, S26 7YJ	AL005, AL006, AL011, AL012, AL019, AL054, AL056	Similar distances west of M1 between Junction 30 and 31
NML04	Mill Lane South, Anston, S25 5BG	AL021, AL022, AL029	Similar distances from Sheffield Road
NML05	New Road, Penny Piece Lane, North Anston, S25 5BG	AL024, AL025, AL026, AL027	Represents receptors off Common Road, Camfit Road and Penny Piece Lane
NML06	Brookfields, Todwick Road, Todwick S26 1HD	See Paragraph 14.2.4 and 14.2.5	Similar distances from Todwick Road
NML07	Grange Gardens, Todwick, Sheffield S26 1JQ	AL023, AL028, AL030, AL031, AL034	Similar distances from Worksop Road
NML08	Common Farm, Bookers Lane, Dinnington, S25 1ZX	See Paragraph 14.2.4 and 14.2.5	Receptor subject to low road traffic noise levels
NML09	In the field adjacent to Hardwick Hall Farm, Hardwick Lane, Hardwick, S26 2BE	AL037, AL039, AL040, AL046, AL047, AL071, AL072	Similar distance east of M1 between Junction 31 and 32
NML10	Meadow View, Hawkhill Lane, Thurcroft, S66 9BL	AL042, AL043, AL044, AL045	Similar distances from B6060

APPENDIX 14.2: BASELINE CONDITIONS

Baseline Noise Monitoring Location (NML) ID	NML location	Represented Assessment Locations (ALs)	Rationale for representation
NML11	Common Lane, Thurcroft, S66 9BE	AL041, AL048, AL049, AL050, AL051, AL052, AL064, AL073	Represents receptors along the junction between the M1 and M18, as well as within Brampton en-le-Morthen
NML12	Carr Lane, Ulley, S26 3YA	AL053, AL057, AL058, AL059, AL060, AL063, AL070, AL099	Represents receptors in Ulley, west of M18
NML13	Aughton Lane, Aston, S26 2AJ	AL061, AL062	Similar distances from Aughton Lane
NML14	In the field adjacent to Morthen Lane, Upper Whiston, S60 4NG	AL065, AL066	Represents receptors south of M1 between Junction 32 and 33
NML15	In the field adjacent to Pleasley Road, Whiston, S60 4NE	AL067, AL068, AL069	Similar distances from Pleasley Road
NML16	In the field near Beacon Lane, Micklebring, S66 7RX	See Paragraph 14.2.6	Similar distances east of M18, between Junction 1 and 2
NML17	In the field near Park Lane, Conisbrough Parks, DN12 2BB	AL076, AL077, AL078, AL079, AL080, AL081, AL082, AL083, AL084, AL085, AL086, AL087, AL088, AL089, AL090, AL098, AL112	Receptors between M18 and A630 Sheffield Road with a low ambient noise level
NML18	In the field adjacent to Park Lane, Conisbrough, DN12 2JX	See Paragraph 14.2.6	Represents receptors between Sheffield Road and Old Road
NML19	Treeton Lane, Aughton, S26 3XP	AL091, AL108	Similar distances from Treeton Lane
NML20	In the field near Shorland Drive, Treeton, S60 5UN	AL092, AL093, AL094, AL095, AL096, AL097, AL109, AL111	Represents receptors south of M1 Junction 33 and within Treeton

APPENDIX 14.2: BASELINE CONDITIONS

Baseline Noise Monitoring Location (NML) ID	NML location	Represented Assessment Locations (ALs)	Rationale for representation
NML21	Slacks Lane, Bramley Rotherham, S66 1TZ	AL100, AL104, AL106	Similar distance from M18 Between Junction 1 and 2
NML22	Dapple Grove, Wickersley, S66 1DE	AL101, AL102, AL103, AL105, AL107	Represents receptors between Morthen Road (B6060) and M18 Junction 1
NML23	Rectory Gardens, Todwick, S26 1JU	AL110	Represents receptors within Todwick
NML24	In the field adjacent to Long Lane, Whiston, S60 4JJ	AL074, AL075, AL113, AL114, AL115	Similar distances north of M1 between Junction 32 and 33
NML1-CF ¹	Common Farm, Bookers Lane, Dinnington, S25 1ZX	AL036	Measured at location.
NML2-CF	Sunny Bank, Todwick Road, S26 1DP	AL032, AL033	Similar distances from Todwick Road.
NML3-CF	Brookside House, Common Road, S25 4AH	AL035	Measured adjacent to location.
NML4-CF	Greenland, Long Road, S66 9BJ	AL038	Measured adjacent to location.

¹ Note that NML1-CF, NML2-CF, NML3-CF, and NML4-CF were identified as part of Common Farm Solar Farm Noise Impact Assessment

- 14.2.4 Baseline noise monitoring locations NML06 and NML08 were scoped out of the assessment on the basis that construction activity and construction traffic, from another project, were expected to be on-going at this location in August 2025, and therefore measurements at these locations at this time would not have been representative of normal baseline conditions.
- 14.2.5 Baseline monitoring took place at NML1-CF, NML2-CF, NML3-CF, and NML4-CF in 2021 as part of the Common Farm Solar Farm Noise Impact Assessment² (NIA). These locations are representative of the assessment locations that has previously been identified to be represented by NML06 and NML08: AL032, AL033, AL035, AL036, and AL038. This approach has been agreed with RMBC as the relevant authority for these locations. Assessment locations and baseline monitoring locations are presented in **Volume 3, Figure 14.1: Noise Assessment Locations and Indicative Baseline Monitoring Locations**.
- 14.2.6 Attempts were made to monitor noise at NML16 and NML18. However, the noise monitoring equipment was stolen and vandalised at these locations and therefore the data was not recoverable. Assessment locations to be represented by measurements at NML16 and NML18 are now represented by NML17. This is a conservative approach as noise levels at NML17 were noted to be a lot lower than at NML16 and NML18. Additional attempts will be made to monitor noise NML16 and NML18 as part of the ES.

Characterising Baseline for Assessment

Construction

- 14.2.7 The construction noise assessment categories for the daytime, evening, and the night-time have been derived for each assessment location in accordance with BS 5228-1 using the ABC method. The categories are presented in **Table 14.2-3**. The ambient baseline façade level for the given period (daytime, evenings and weekends, and night-time) is rounded to the nearest 5 dB and compared against the thresholds set out in **Table 14.2-3** to produce construction noise criteria. The process for selecting the criteria is summarised below:
- Category A thresholds are used when baseline ambient noise levels (rounded to the nearest 5 dB) are less than the Category A values;
 - Category B thresholds are used when baseline ambient noise levels (rounded to the nearest 5 dB) are the same as the same Category A values;
 - Category C thresholds are used when baseline ambient noise levels (rounded to the nearest 5 dB) are higher than Category A values; and
 - Where the baseline ambient noise levels exceed the Category C values, then a potential significant effect is indicated if the total $L_{Aeq,T}$ noise level for the period increases by more than 3 dB due to construction noise.

²Common Farm Solar Farm Noise Impact Assessment, RB2022/1203, June 2022, Wardell Armstrong on behalf of Banks Renewables LTD.

Table 14.2-3: Construction Noise Assessment Categories

Period		Assessment Category ($L_{Aeq,T}$) [dB]		
		A	B	C
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	65 dB	70 dB	75 dB
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	55 dB	60 dB	65 dB
Night-time	T=8hr, Every day 23:00-07:00	45 dB	50 dB	55 dB

Operation and Maintenance

- 14.2.8 The operational noise assessment is carried out in accordance with BS 4142:2014+A1:2019 – Methods for rating and assessing industrial and commercial sound (BS 4142)³. BS 4142 states the following in relation to the background sound level:
- 14.2.9 *“The background sound level [$(L_{A90,T})$] is an underlying level of sound over a period, T, and might in part be an indication of relative quietness at a given location. It does not reflect the occurrence of transient and/or higher sound level events and is generally governed by continuous or semi-continuous sounds.*
- 14.2.10 *In using the background sound level in the method for rating and assessing industrial and commercial sound it is important to ensure that values are reliable and suitably represent both the particular circumstances and periods of interest.*
- 14.2.11 *For this purpose, the objective is not simply to ascertain a lowest measured background sound level, but rather to quantify what is typical during particular time periods.*
- 14.2.12 *Among other considerations, diurnal patterns can have a major influence on background sound levels and, for example, the middle of the night can be distinctly different (and potentially of lesser importance) compared to the start or end of the night-time period for sleep purposes. Furthermore, in this general context it can also be necessary to separately assess weekends and weekday periods.”*
- 14.2.13 Professional judgement has been employed to determine the representative daytime and night-time $L_{A90,T}$ for each NML.

Baseline Noise Monitoring

- 14.2.14 Baseline noise monitoring was conducted between 31st July and 28th August 2025.

³ British Standards Institution. BS 4142:2014+A1:2019 Methods for rating and assessing industrial and commercial sound. s.l. : BSI, 2019. ISBN 978 0 539 02069 4

APPENDIX 14.2: BASELINE CONDITIONS

14.2.15 Weather stations were deployed at NML10 and NML22, measuring wind speed and rainfall. Noise measurements captured during periods of high wind speed or rainfall have been excluded from the data analysis.

14.2.16 This section of the Appendix present the findings at each monitoring location including on-site descriptions of the monitoring locations, equipment used, weather conditions, and recorded noise levels $L_{Aeq,T}$, L_{Amax} and $L_{A90,T}$.

Equipment

14.2.17 **Table 14.2-4** presents the equipment that was used during baseline noise monitoring.

Table 14.2-4: Equipment Used

Equipment type	Manufacturer	Model	Serial number	Measurement location
Sound level meter	Rion	NL-52	00620871	NML1, NML12
Sound level meter	Rion	NL-52	00320635	NML2, NML9
Sound level meter	Rion	NL-52	01276547	NML3, NML4
Sound level meter	Rion	NL-52	00921176	NML5, NML18
Sound level meter	Rion	NL-52	00732101	NML7, NML22
Sound level meter	Rion	NL-53	00452037	NML10
Sound level meter	Rion	NL-52	00510130	NML11
Sound level meter	Rion	NL-52	00610193	NML13, NML14
Sound level meter	Rion	NL-52	00510131	NML15
Sound level meter	Rion	NL-52	01087405	NML17, NML24
Sound level meter	Rion	NL-53	00452036	NML19
Sound level meter	Rion	NL-52	00610194	NML20, NML23
Calibrator	Rion	NC-74	35105087	-
Weather station	Davies & Hoboware	Weathershop EnviroTrack	22175767	NML10, NML22

Weather Conditions

14.2.18 The observed weather conditions were generally acceptable for acoustic measurement with short periods of rainfall. Noise measurements affected by windspeeds above 5 m/s and rainfall have been excluded from the data analysis.

NML01 – Woodall Way, Killamarsh, S21 2AB

14.2.19 **Figure 14.2-1** presents the monitoring equipment setup at NML01. **Figure 14.2-2** presents the 15-minute sound measurements logged over the survey period.

14.2.20 **Table 14.2-5** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-6** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.21 **Figure 14.2-3** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 45 dB and 41 dB respectively for assessment locations represented by NML01.

APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-1 Equipment Photos NML01

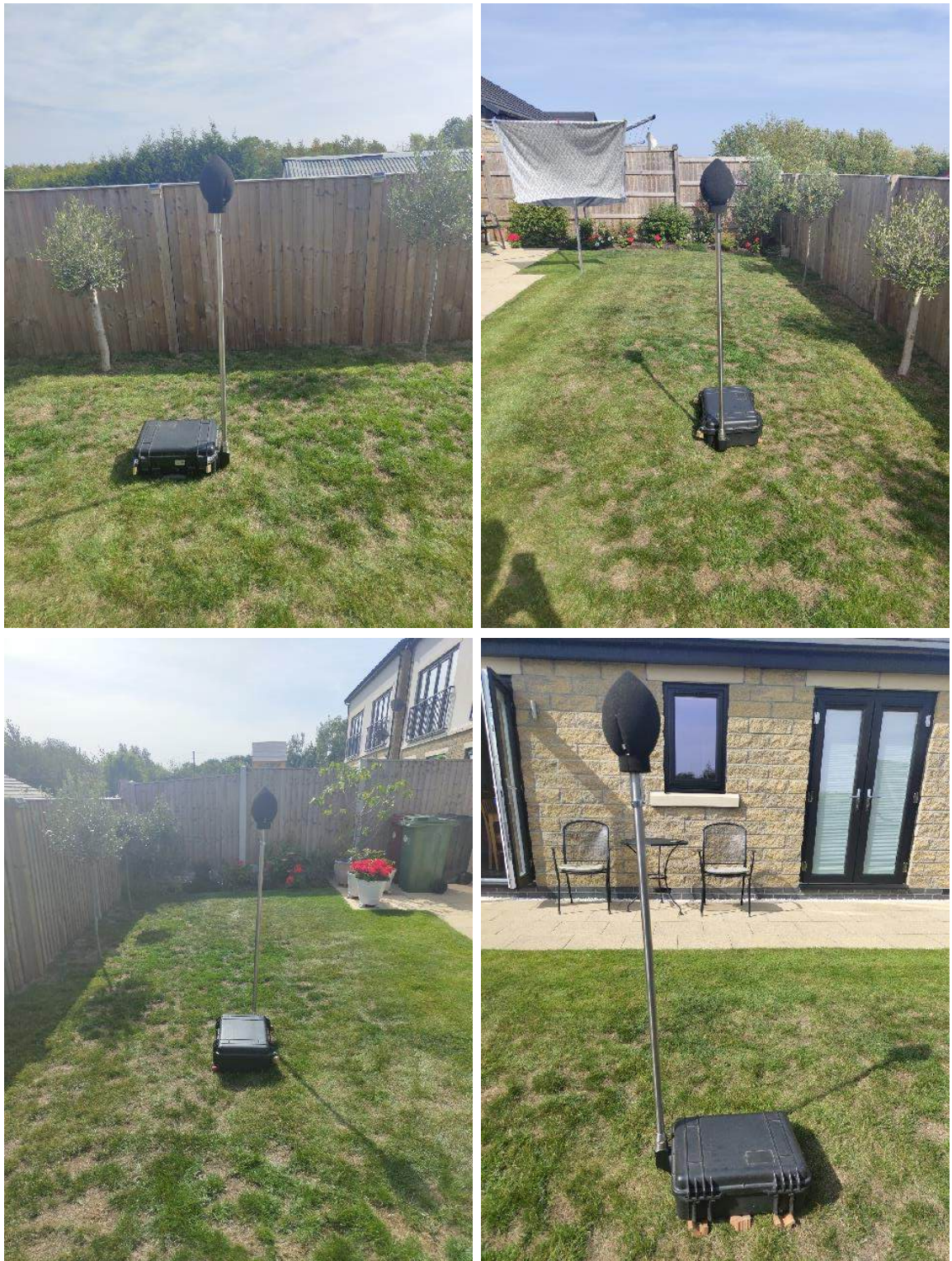
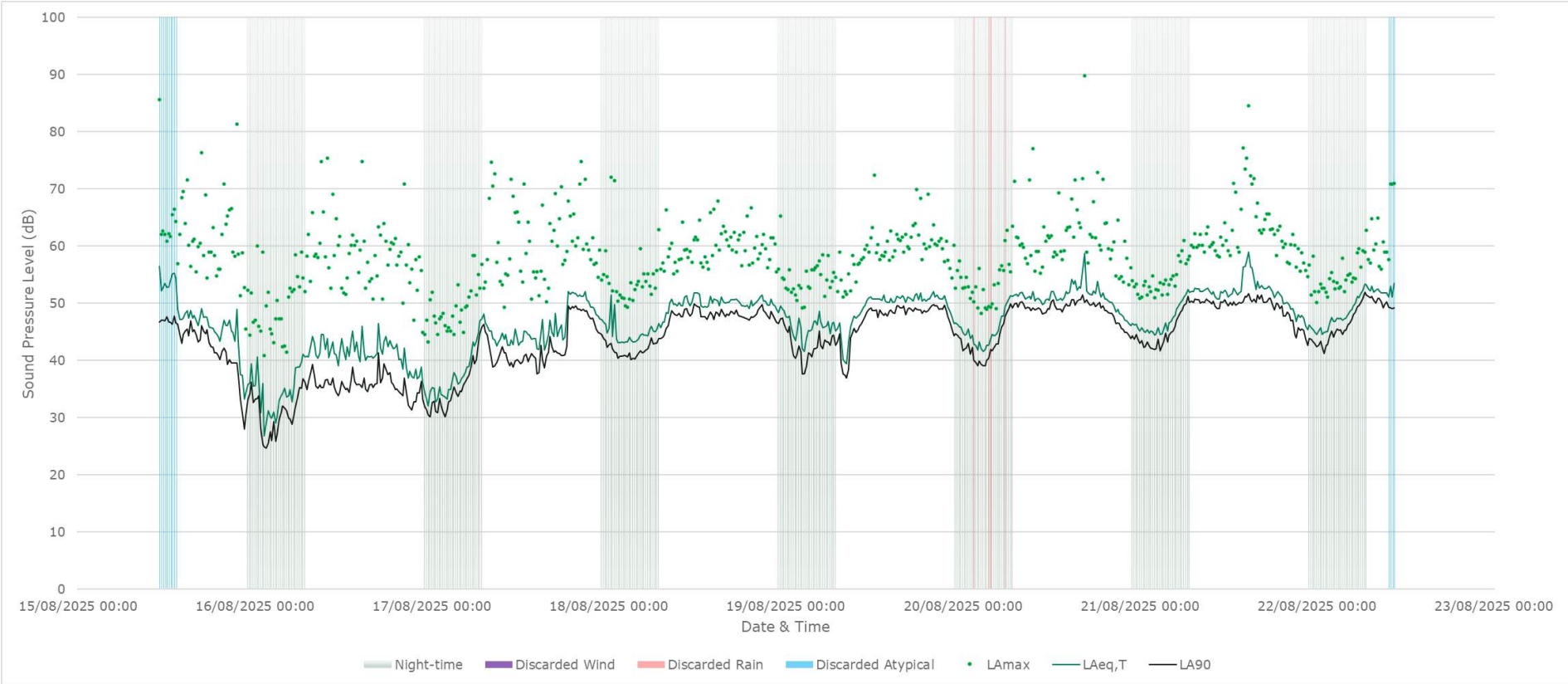


Figure 14.2-2: Noise Monitoring Results at NML01



APPENDIX 14.2: BASELINE CONDITIONS

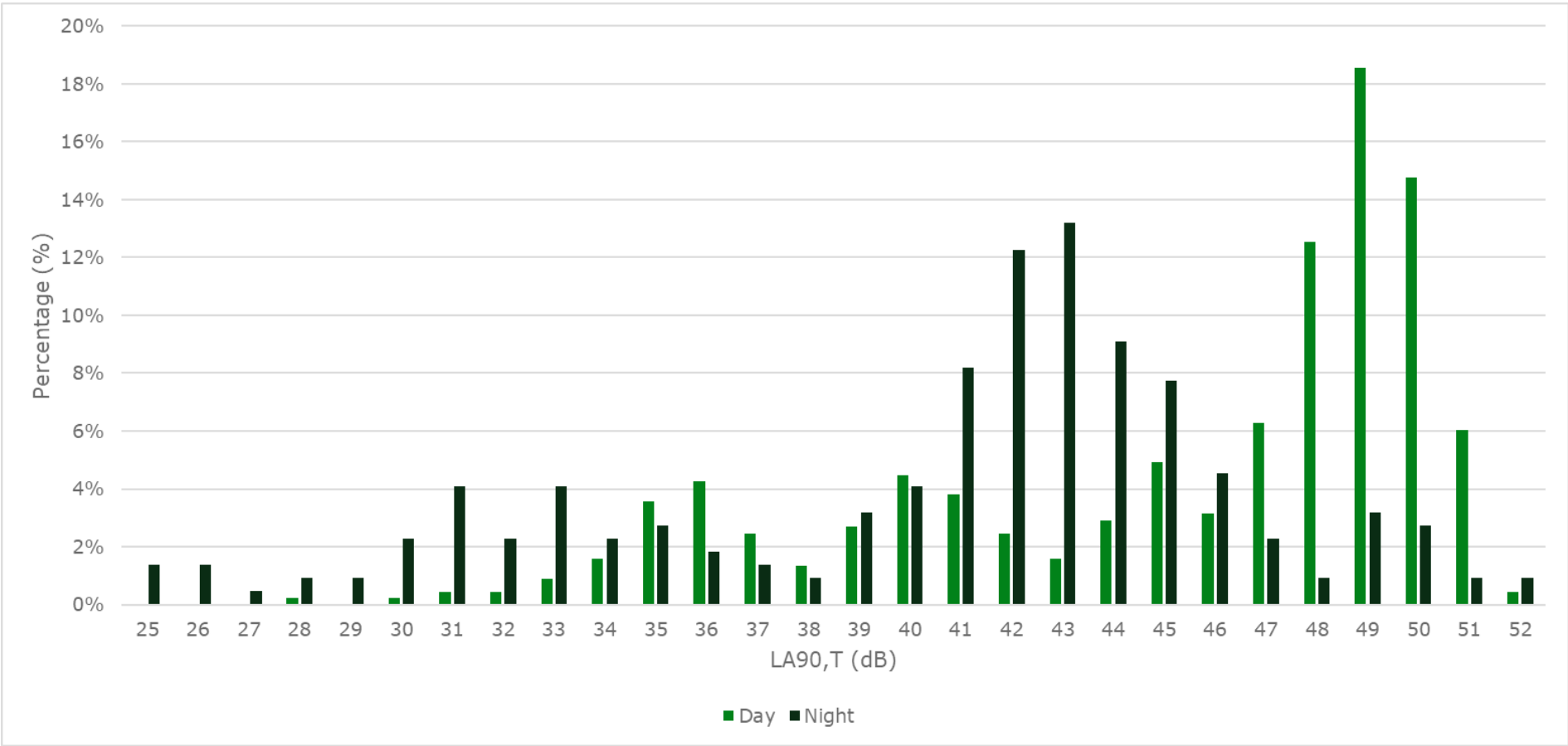
Table 14.2-5: Measured ambient sound levels at NML01

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Friday	15 th August 2025	54	48	40
Saturday	16 th August 2025	45	42	39
Sunday	17 th August 2025	48	54	45
Monday	18 th August 2025	53	53	49
Tuesday	19 th August 2025	53	53	49
Wednesday	20 th August 2025	55	52	49
Thursday	21 st August 2025	56	52	51
Friday	22 nd August 2025	55	-	52

Table 14.2-6: Total ambient sound levels at NML01 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	54	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	51	A
Night-time	T=8hr, Every day 23:00-07:00	49	C

Figure 14.2-3: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML01



NML02 – Hard Lane, Harthill, S26 7AG

- 14.2.22 **Figure 14.2-4** presents the monitoring equipment setup at NML02. **Figure 14.2-5** presents the 15-minute sound measurements logged over the survey period.
- 14.2.23 **Table 14.2-7** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-8** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.24 **Figure 14.2-6** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 33 dB and 29 dB respectively for assessment locations represented by NML02.

Figure 14.2-4 Equipment Photos NML02



Figure 14.2-5: Noise Monitoring Results at NML02

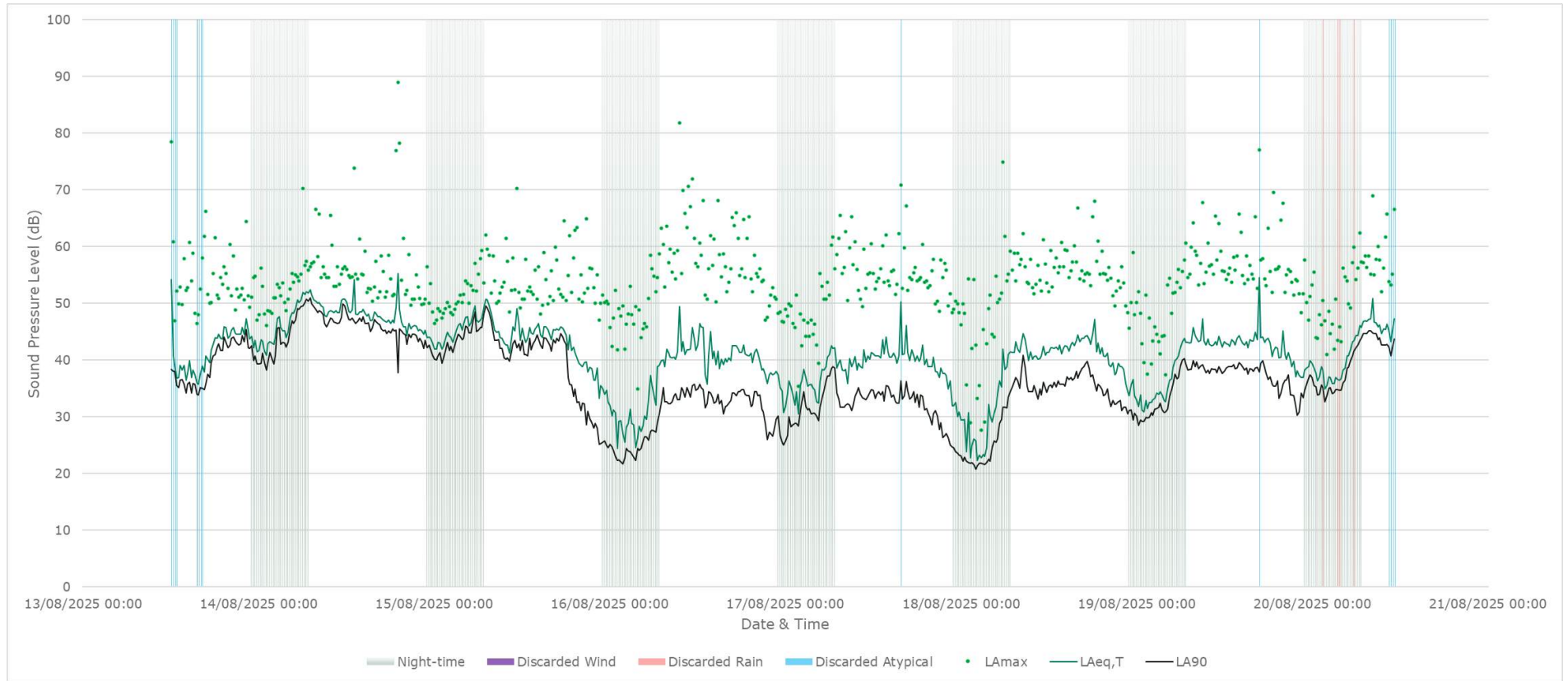


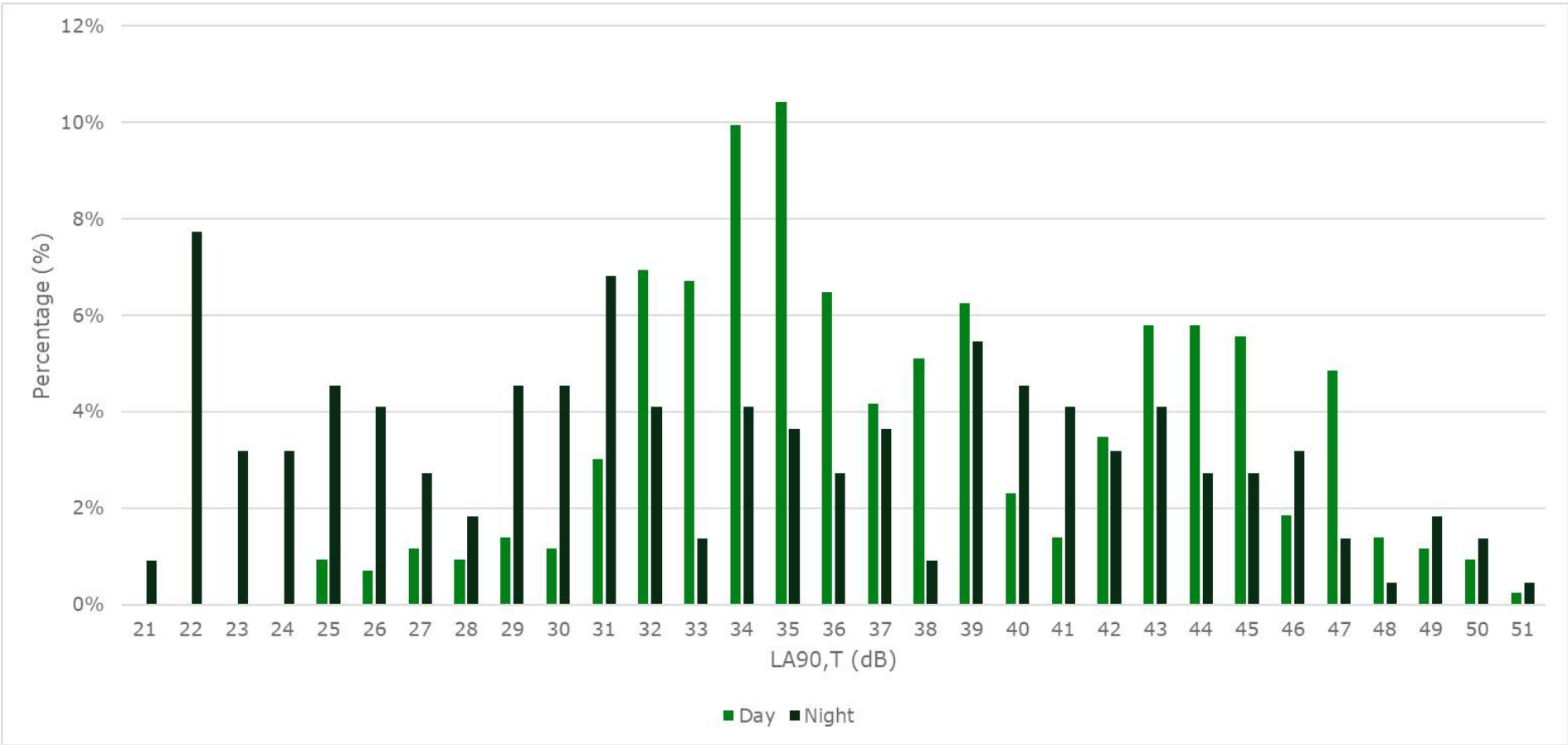
Table 14.2-7: Measured Ambient Sound Levels at NML02

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	44	48	46
Thursday	14 th August 2025	52	51	50
Friday	15 th August 2025	49	42	48
Saturday	18 th August 2025	45	42	36
Sunday	17 th August 2025	44	41	40
Monday	18 th August 2025	46	42	38
Tuesday	19 th August 2025	46	43	41
Wednesday	20 th August 2025	50	-	44

Table 14.2-8: Total Ambient Sound levels at NML02 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	45	A
Night-time	T=8hr, Every day 23:00-07:00	45	B

Figure 14.2-6: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML02



NML03 – Walseker Lane, Harthill, S26 7YJ

- 14.2.25 **Figure 14.2-7** presents the monitoring equipment setup at NML03. **Figure 14.2-8** presents the 15-minute sound measurements logged over the survey period.
- 14.2.26 **Table 14.2-9** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-10** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.27 **Figure 14.2-9** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 44 dB and 43 dB respectively for assessment locations represented by NML03.

Figure 14.2-7: Photos of Equipment at NML03

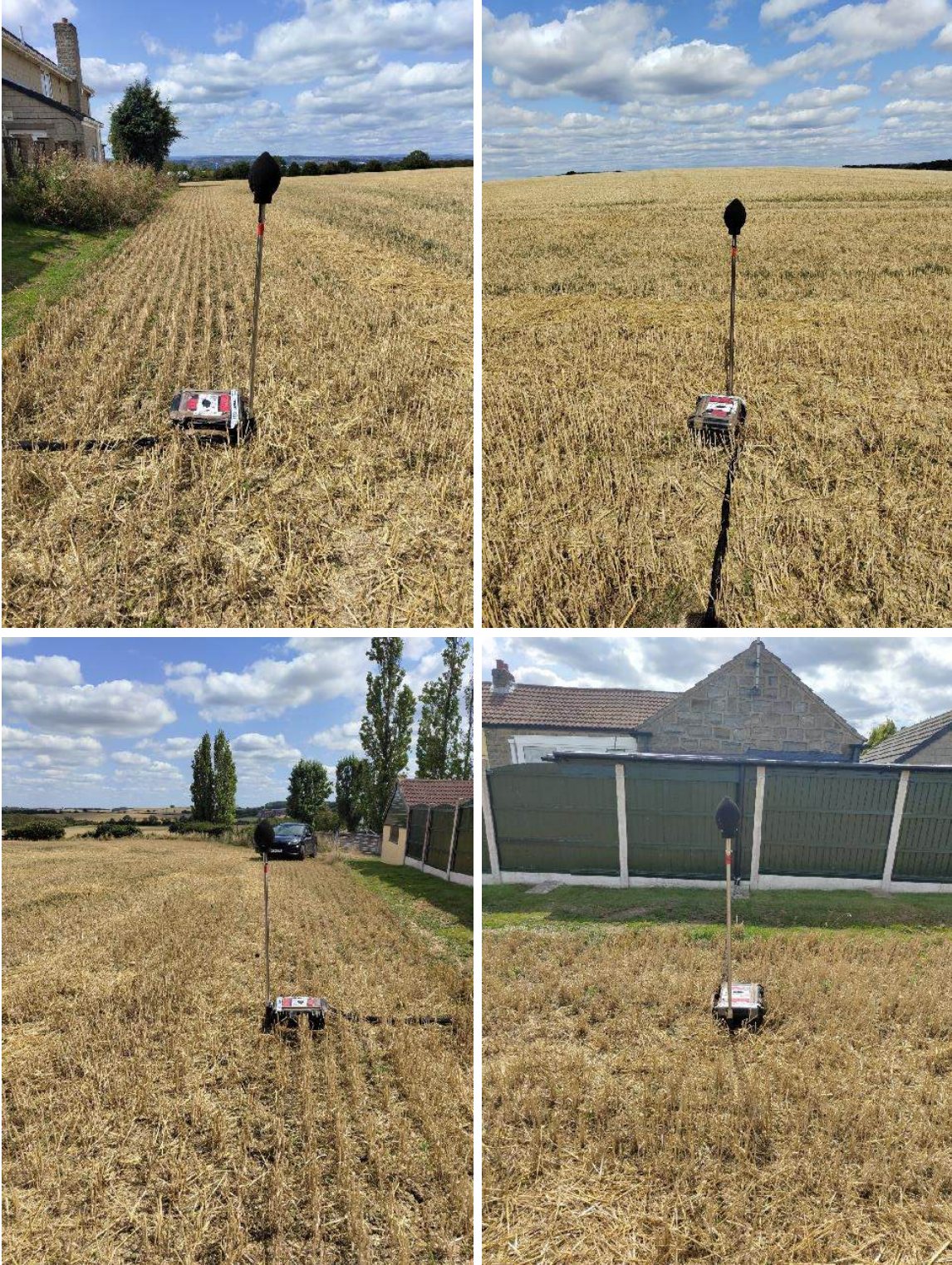


Figure 14.2-8: Noise Monitoring Results at NML03

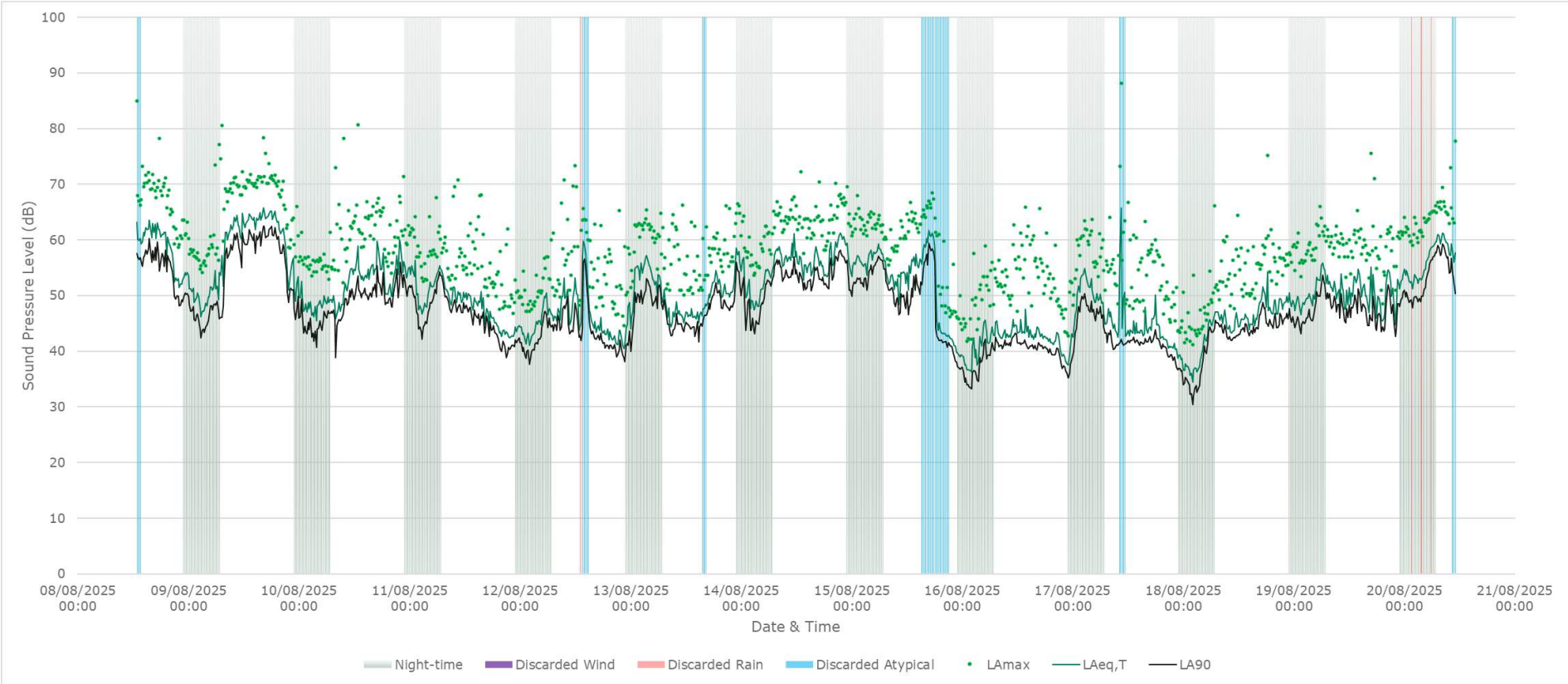


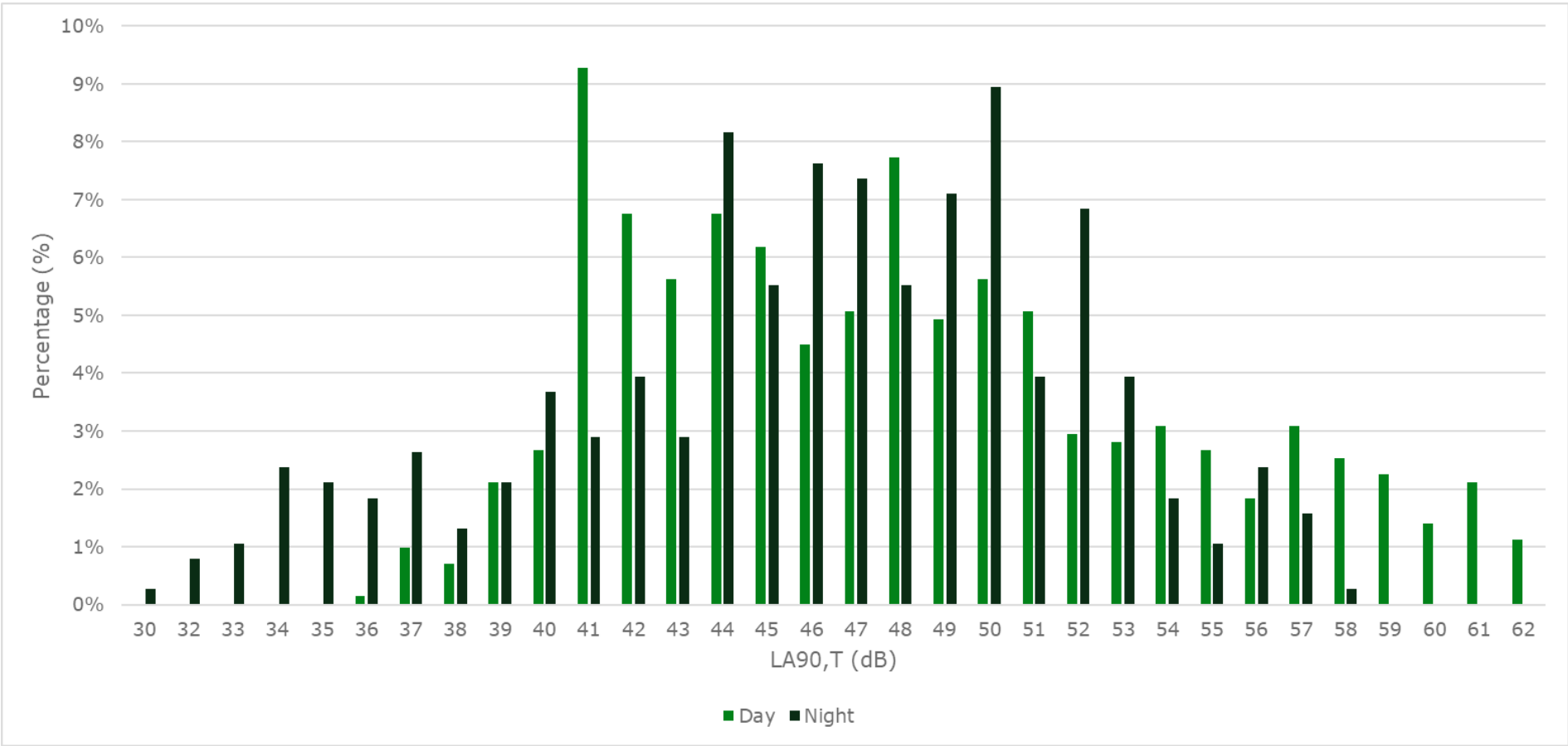
Table 14.2-9: Measured ambient sound levels at NML03

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Friday	8 th August 2025	65	60	57
Saturday	9 th August 2025	66	63	54
Sunday	10 th August 2025	57	58	53
Monday	11 th August 2025	53	46	55
Tuesday	12 th August 2025	51	45	49
Wednesday	13 th August 2025	52	55	58
Thursday	14 th August 2025	60	62	56
Friday	15 th August 2025	57	45	59
Saturday	16 th August 2025	47	44	44
Sunday	17 th August 2025	48	44	53
Monday	18 th August 2025	50	51	46
Tuesday	19 th August 2025	54	54	54
Wednesday	20 th August 2025	63	-	59

Table 14.2-10: Total ambient sound levels at NML03 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	58	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	59	C
Night-time	T=8hr, Every day 23:00-07:00	55	C

Figure 14.2-9: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML03



NML04 – Mill Lane South, Anston, S25 5BG

- 14.2.28 **Figure 14.2-10** presents the monitoring equipment setup at NML04. **Figure 14.2-11** presents the 15-minute sound measurements logged over the survey period.
- 14.2.29 **Table 14.2-11** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-12** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.30 **Figure 14.2-12** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 43 dB and 32 dB respectively for assessment locations represented by NML04.

Figure 14.2-10: Photos of Equipment at NML04



Figure 14.2-11: Noise Monitoring Results at NML04

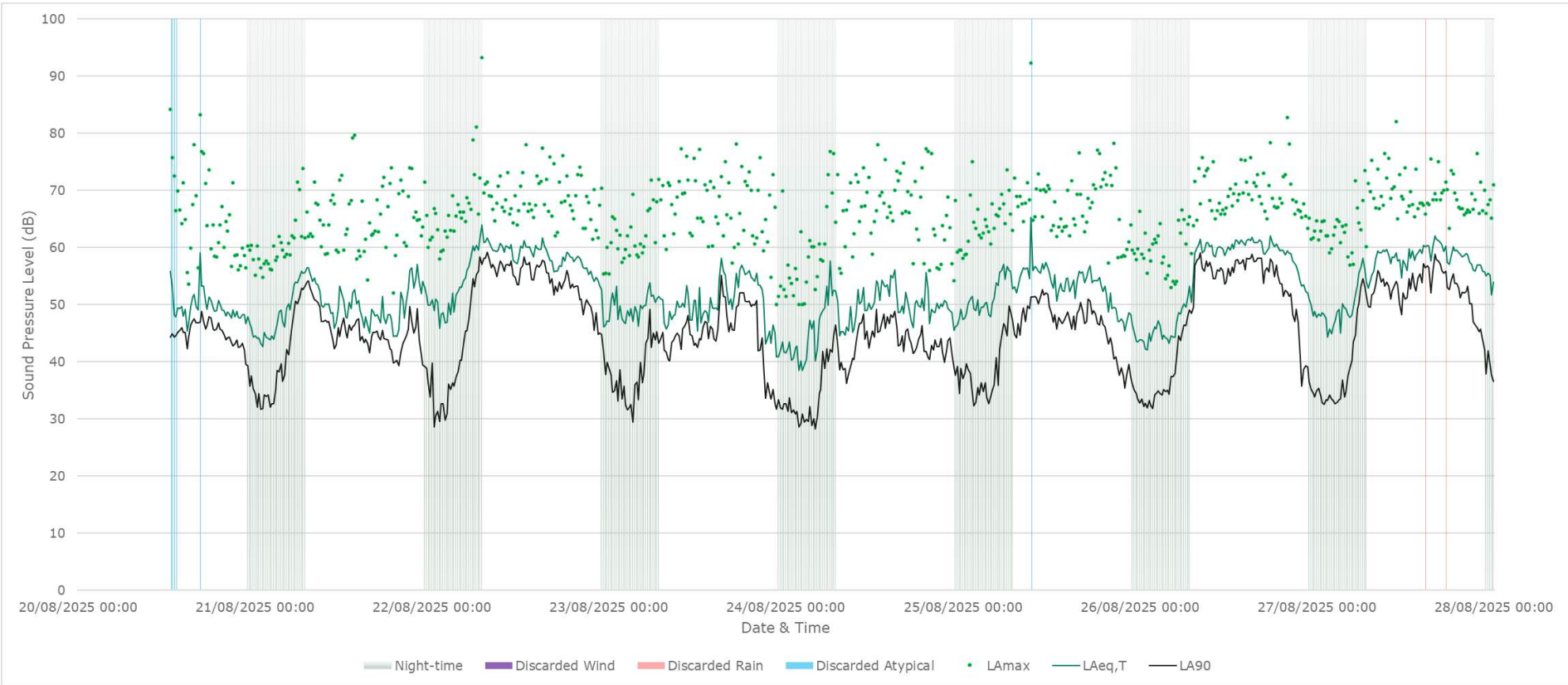


Table 14.2-11: Measured ambient sound levels at NML04

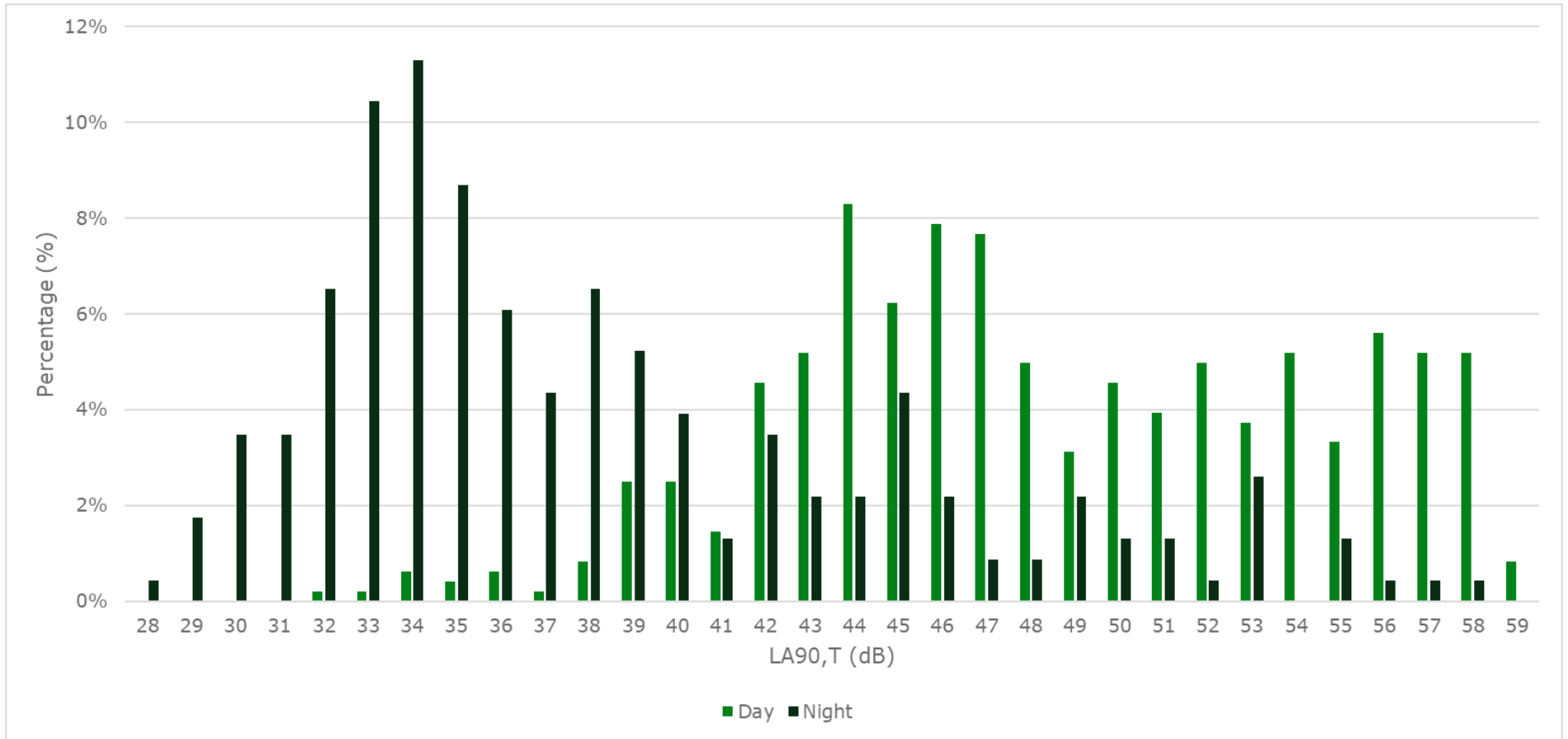
Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Wednesday	20 th August 2025	53	52	49
Thursday	21 st August 2025	54	56	54
Friday	22 nd August 2025	62	60	59
Saturday	23 rd August 2025	55	55	53
Sunday	24 th August 2025	54	53	51
Monday	25 th August 2025	58	53	55
Tuesday	26 th August 2025	63	60	50
Wednesday	27 th August 2025	62	61	55
Thursday	28 th August 2025			56

Table 14.2-12: Total ambient sound levels at NML04 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	60	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	57	B
Night-time	T=8hr, Every day 23:00-07:00	55	C

APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-12: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML04



NML05 – New Road, Penny Piece Lane, North Anston, S25 5BG

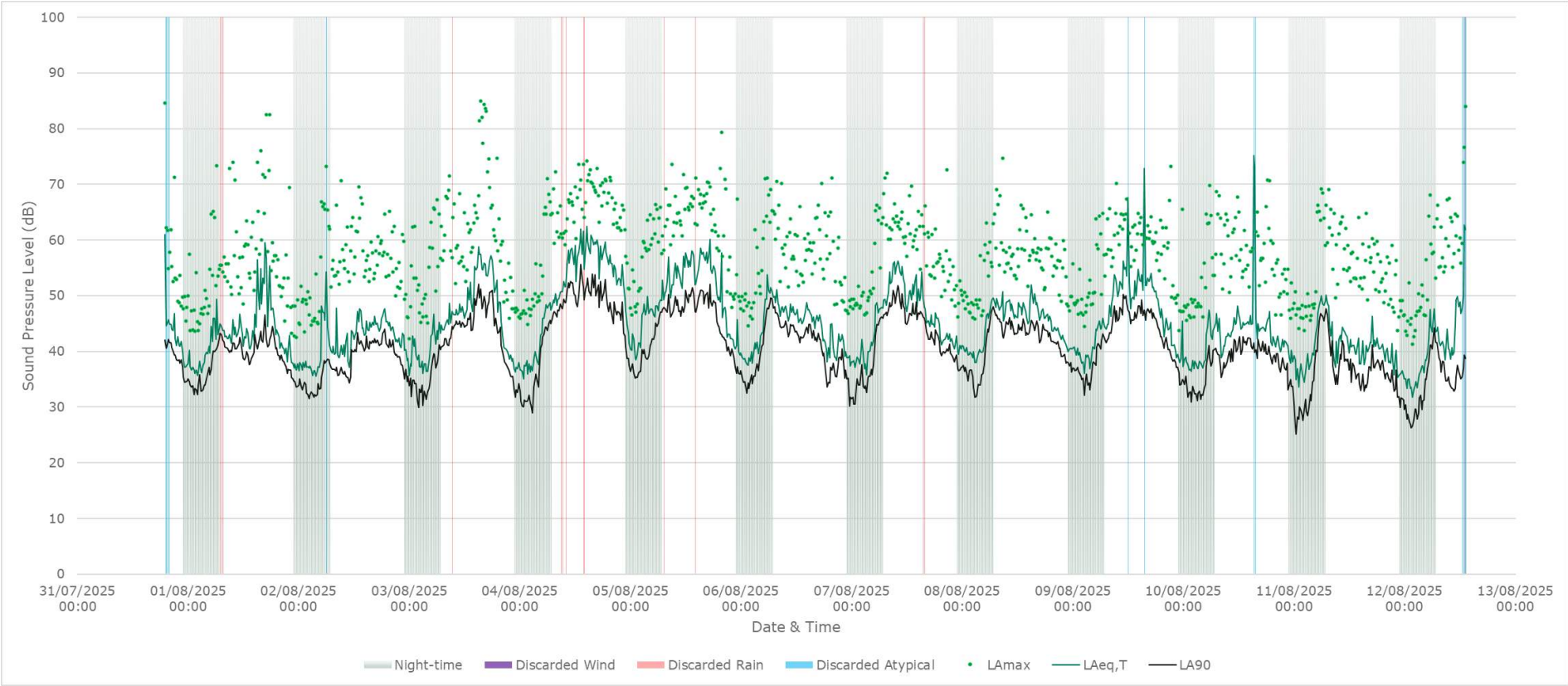
- 14.2.31 **Figure 14.2-13** presents the monitoring equipment setup at NML05. **Figure 14.2-14** presents the 15-minute sound measurements logged over the survey period.
- 14.2.32 **Table 14.2-13** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-14** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.33 **Figure 14.2-15** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 40 dB and 33 dB respectively for assessment locations represented by NML05.

Figure 14.2-13: Photos of Equipment at NML05



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-14: Noise Monitoring Results at NML05



APPENDIX 14.2: BASELINE CONDITIONS

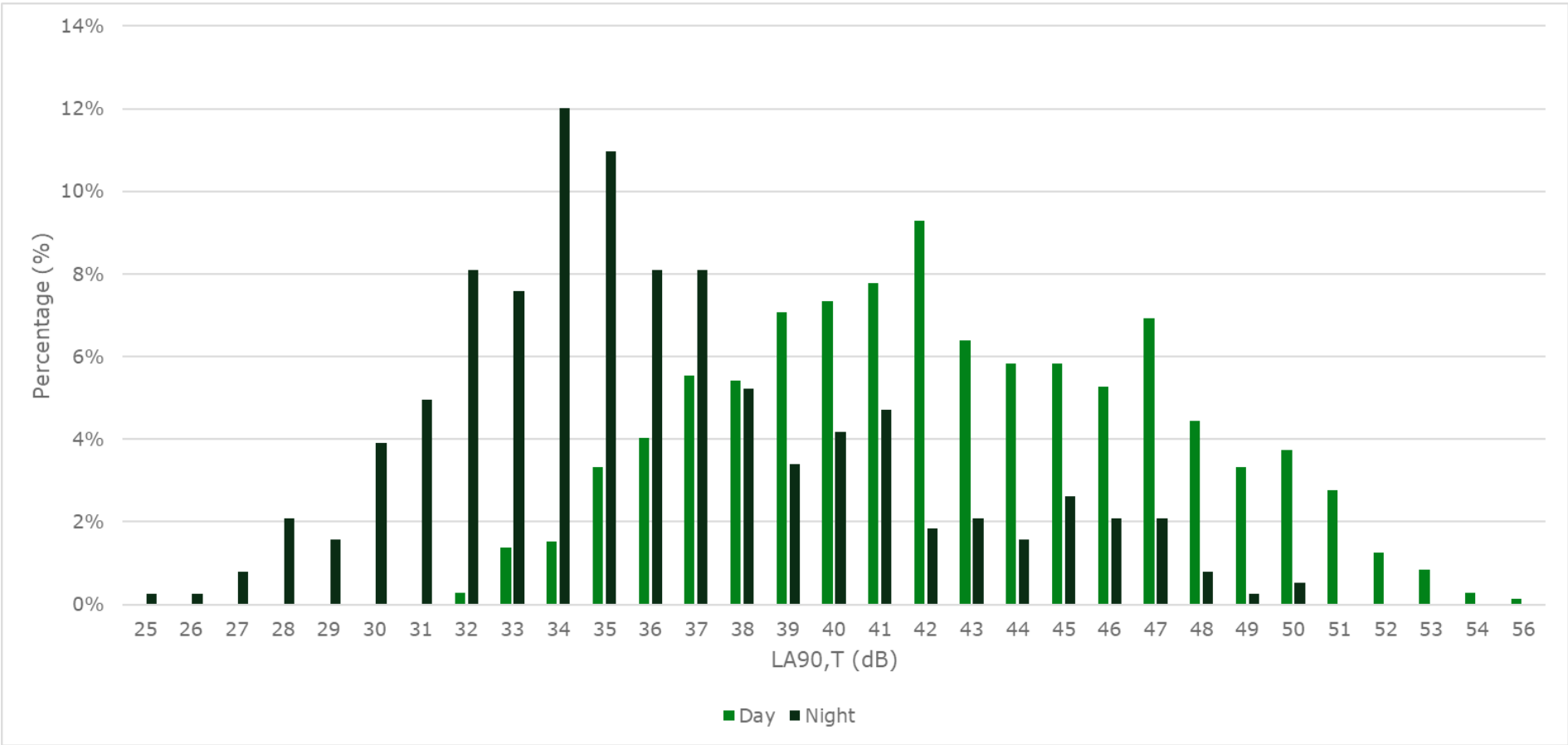
Table 14.2-13: Measured ambient sound levels at NML05

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	-	46	41
Friday	1 st August 2025	53	44	44
Saturday	2 nd August 2025	47	46	44
Sunday	3 rd August 2025	55	48	44
Monday	4 th August 2025	61	57	47
Tuesday	5 th August 2025	59	52	49
Wednesday	6 th August 2025	50	45	49
Thursday	7 th August 2025	55	45	46
Friday	8 th August 2025	51	47	46
Saturday	9 th August 2025	55	47	45
Sunday	10 th August 2025	48	44	44
Monday	11 th August 2025	46	42	46
Tuesday	12 th August 2025	48	-	44

Table 14.2-14: Total ambient sound levels at NML05 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	51	A
Night-time	T=8hr, Every day 23:00-07:00	46	B

Figure 14.2-15: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML05



NML07 – Grange Gardens, Todwick, Sheffield S26 1JQ

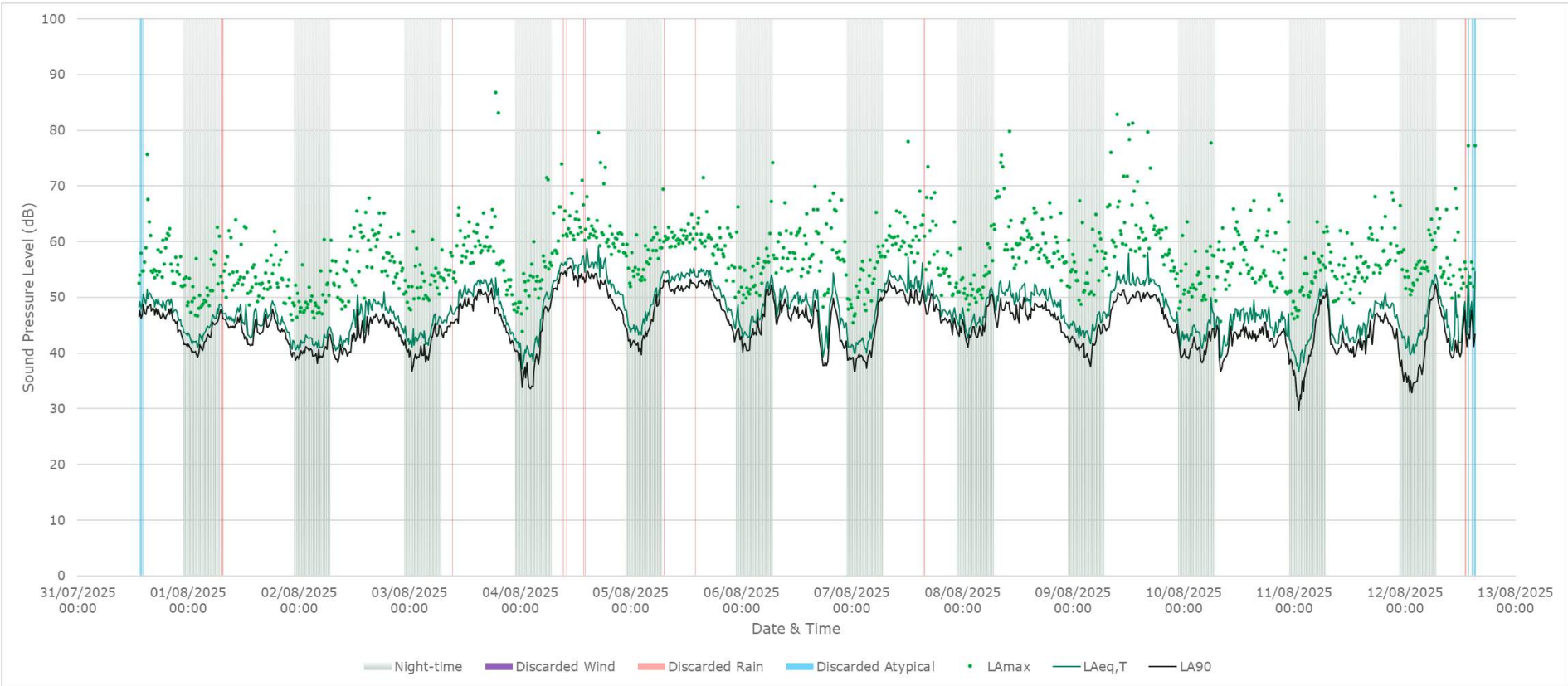
- 14.2.34 **Figure 14.2-16** presents the monitoring equipment setup at NML07. **Figure 14.2-17** presents the 15-minute sound measurements logged over the survey period.
- 14.2.35 **Table 14.2-15** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-16** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.36 **Figure 14.2-18** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 43 dB and 39 dB respectively for assessment locations represented by NML07.

Figure 14.2-16: Photos of Equipment at NML07



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-17: Noise Monitoring Results at NML07



APPENDIX 14.2: BASELINE CONDITIONS

Table 14.2-15: Measured ambient sound levels at NML07

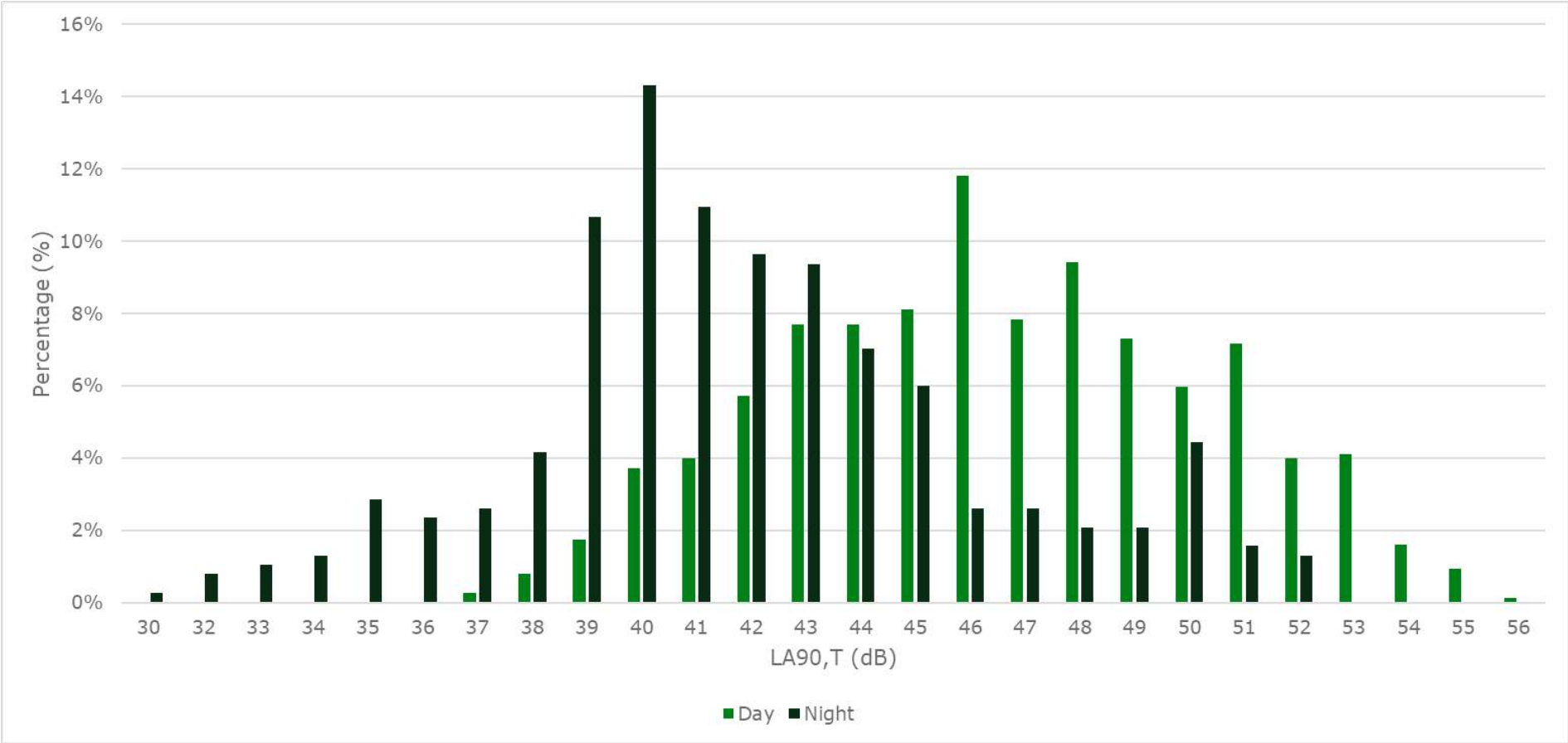
Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	53	51	46
Friday	1 st August 2025	50	48	47
Saturday	2 nd August 2025	50	50	46
Sunday	3 rd August 2025	54	50	47
Monday	4 th August 2025	59	54	49
Tuesday	5 th August 2025	57	52	51
Wednesday	6 th August 2025	52	52	51
Thursday	7 th August 2025	56	50	49
Friday	8 th August 2025	54	51	50
Saturday	9 th August 2025	56	51	48
Sunday	10 th August 2025	49	48	47
Monday	11 th August 2025	49	51	49
Tuesday	12 th August 2025	50	-	51

Table 14.2-16: Total ambient sound levels at NML07 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	54	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	52	A
Night-time	T=8hr, Every day 23:00-07:00	49	C

APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-18: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML07



NML09 – Hardwick Lane, Hardwick, S26 2BE

- 14.2.37 **Figure 14.2-19** presents the monitoring equipment setup at NML09. **Figure 14.2-20** presents the 15-minute sound measurements logged over the survey period.
- 14.2.38 **Table 14.2-17** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-18** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.39 **Figure 14.2-21** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 48 dB and 43 dB respectively for assessment locations represented by NML09.

Figure 14.2-19: Photos of Equipment at NML09



APPENDIX 14.2: BASELINE CONDITIONS



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-20: Noise Monitoring Results at NML09

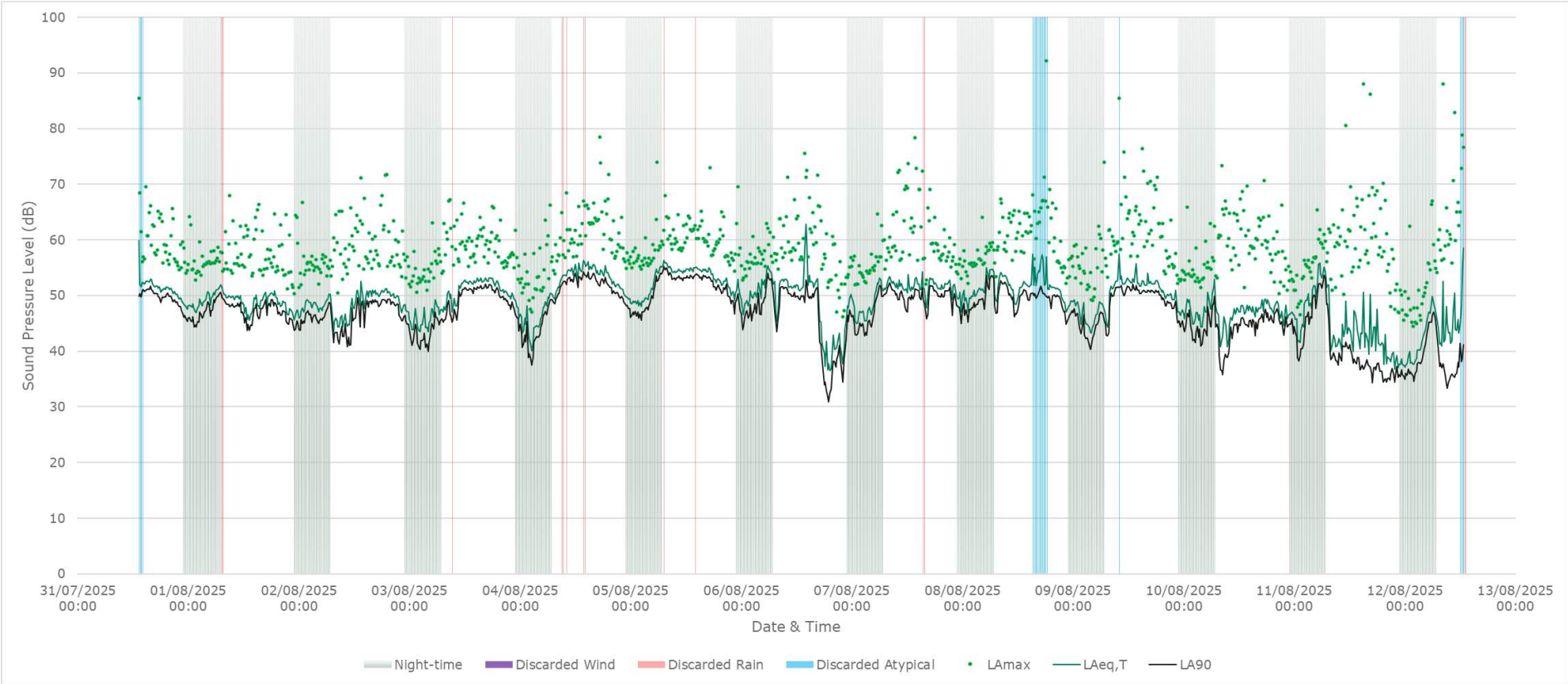


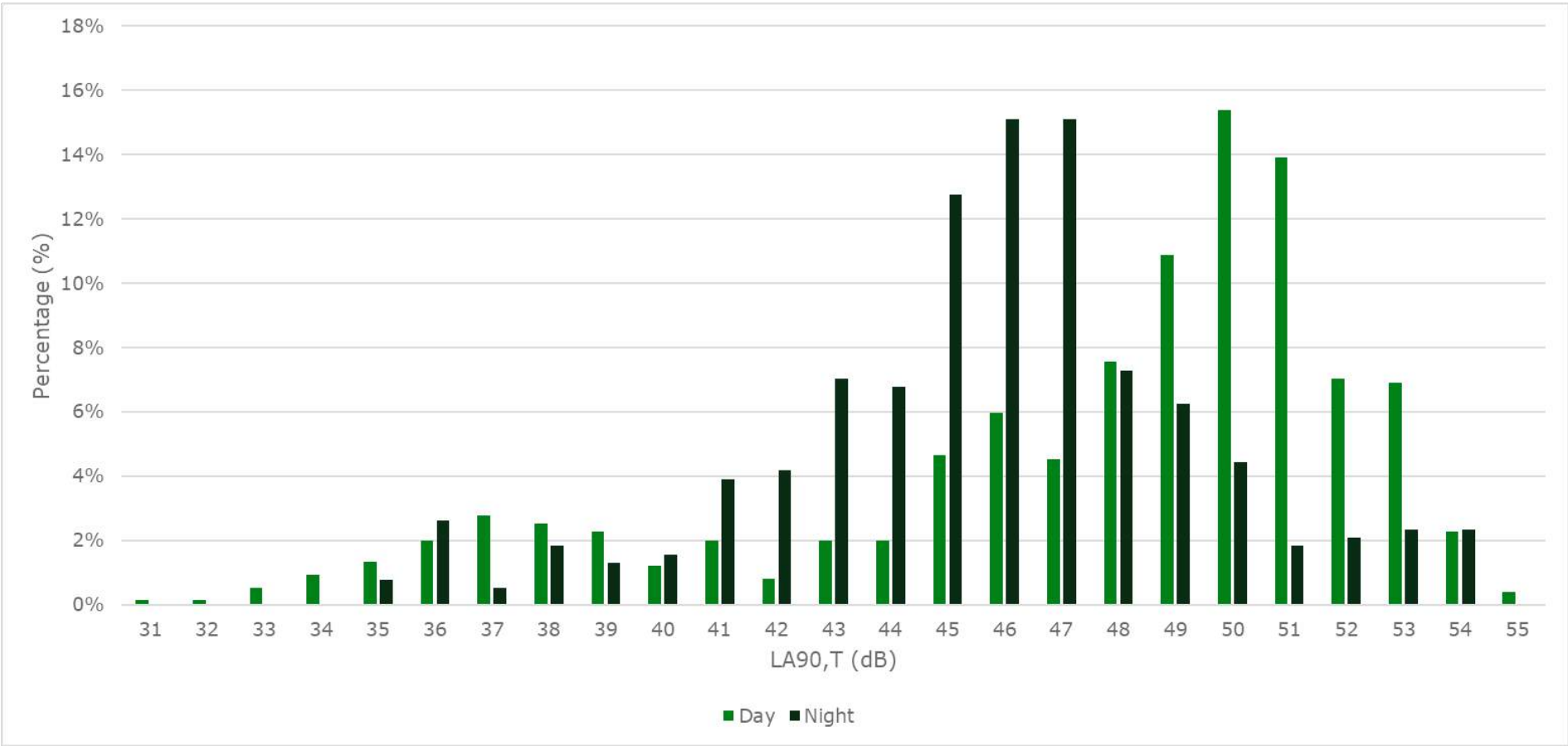
Table 14.2-17: Measured ambient sound levels at NML09

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	56	54	51
Friday	1 st August 2025	52	51	52
Saturday	2 nd August 2025	52	53	51
Sunday	3 rd August 2025	55	54	49
Monday	4 th August 2025	57	55	50
Tuesday	5 th August 2025	58	55	54
Wednesday	6 th August 2025	56	44	54
Thursday	7 th August 2025	55	55	52
Friday	8 th August 2025	56	54	54
Saturday	9 th August 2025	55	53	50
Sunday	10 th August 2025	50	50	51
Monday	11 th August 2025	48	42	53
Tuesday	12 th August 2025	52		47

Table 14.2-18: Total ambient sound levels at NML09 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	53	B
Night-time	T=8hr, Every day 23:00-07:00	52	C

Figure 14.2-21: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML09



NML10 – Meadow View, Hawkhill Lane, Thurcroft, S66 9BL

- 14.2.40 **Figure 14.2-22** presents the monitoring equipment setup at NML10. **Figure 14.2-23** presents the 15-minute sound measurements logged over the survey period.
- 14.2.41 **Table 14.2-19** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-20** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.42 **Figure 14.2-24** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 38 dB and 31 dB respectively for assessment locations represented by NML10.

Figure 14.2-22: Photos of Equipment at NML10



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-23: Noise Monitoring Results at NML10

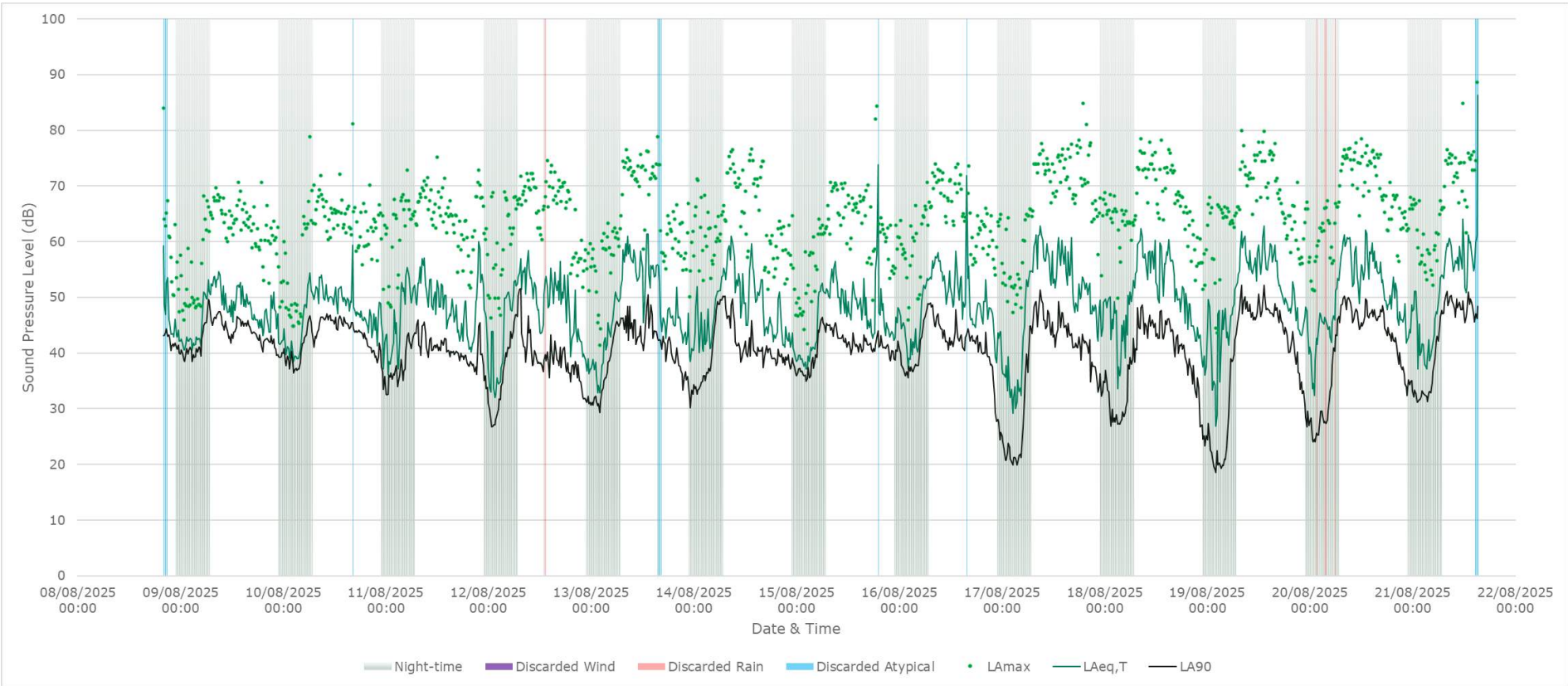


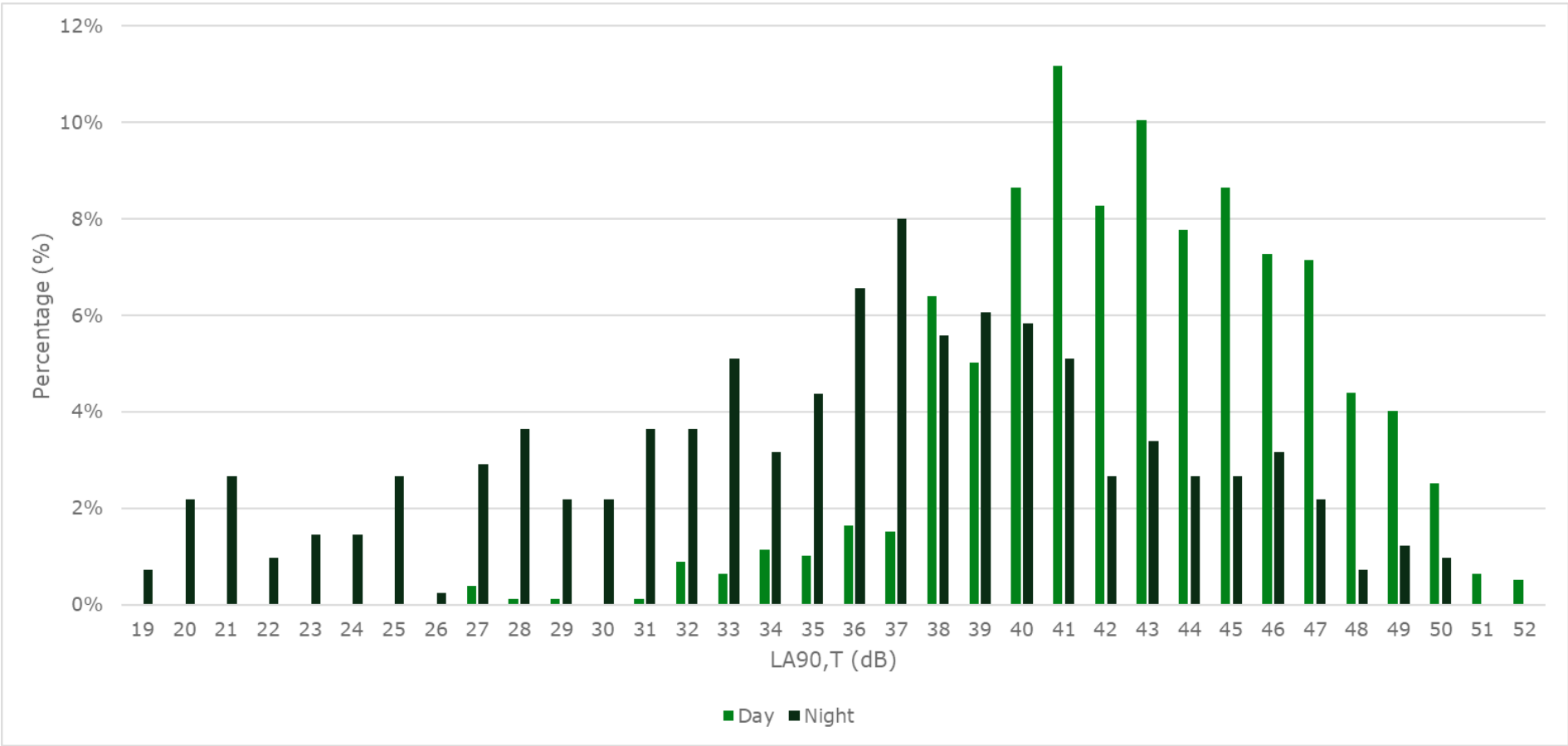
Table 14.2-19: Measured ambient sound levels at NML10

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Friday	8 th August 2025		50	46
Saturday	9 th August 2025	53	50	49
Sunday	10 th August 2025	53	49	50
Monday	11 th August 2025	54	56	52
Tuesday	12 th August 2025	56	47	50
Wednesday	13 th August 2025	59	49	48
Thursday	14 th August 2025	57	48	51
Friday	15 th August 2025	54	49	49
Saturday	16 th August 2025	56	51	50
Sunday	17 th August 2025	60	53	50
Monday	18 th August 2025	60	49	50
Tuesday	19 th August 2025	60	51	49
Wednesday	20 th August 2025	60	52	50
Friday	21 st August 2025	61		50

Table 14.2-20: Total ambient sound levels at NML10 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	58	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	55	B
Night-time	T=8hr, Every day 23:00-07:00	50	C

Figure 14.2-24: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML10



NML11 – Common Lane, Thurcroft, S66 9BE

14.2.43 **Figure 14.2-25** presents the monitoring equipment setup at NML11. **Figure 14.2-26** presents the 15-minute sound measurements logged over the survey period.

14.2.44

14.2.45 Table 14.2-21 presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-22** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.

14.2.46 **Figure 14.2-27** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 44 dB and 39 dB respectively for assessment locations represented by NML11.

Figure 14.2-25: Photos of Equipment at NML11



Figure 14.2-26: Noise Monitoring Results at NML11

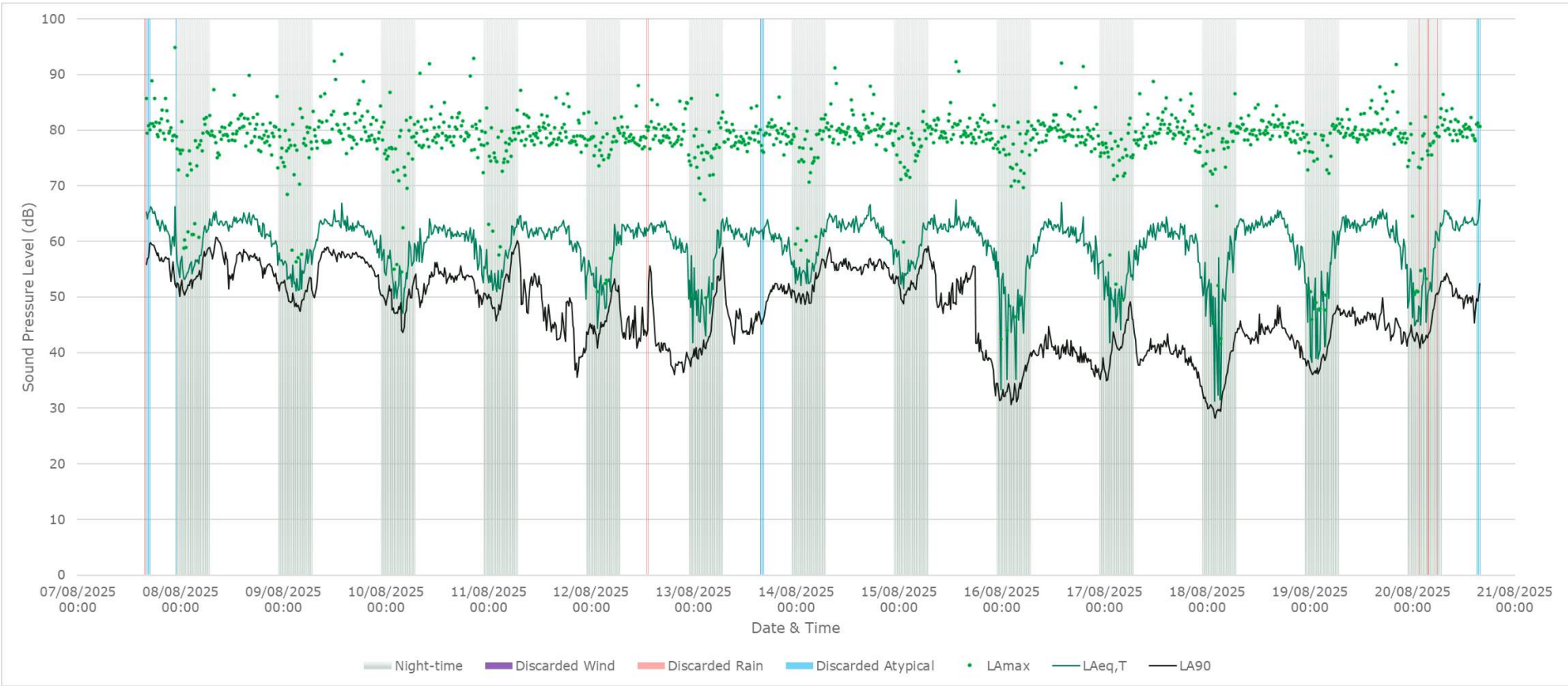


Table 14.2-21: Measured ambient sound levels at NML11

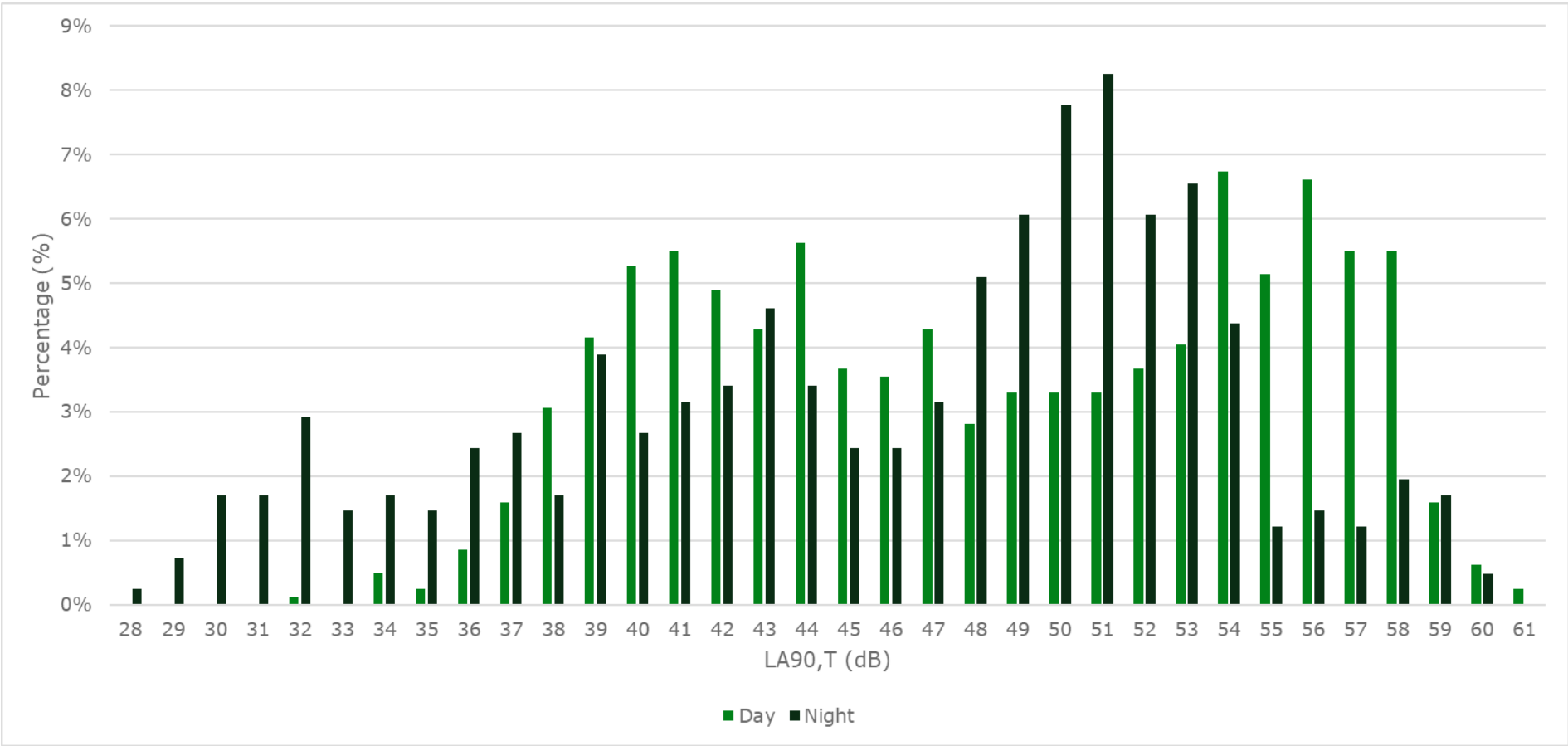
Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Thursday	7 th August 2025	68	65	59
Friday	8 th August 2025	67	64	61
Saturday	9 th August 2025	66	64	59
Sunday	10 th August 2025	64	62	58
Monday	11 th August 2025	65	61	61
Tuesday	12 th August 2025	65	62	59
Wednesday	13 th August 2025	65	63	60
Thursday	14 th August 2025	67	64	61
Friday	15 th August 2025	66	62	61
Saturday	16 th August 2025	65	62	56
Sunday	17 th August 2025	64	62	55
Monday	18 th August 2025	66	62	58
Tuesday	19 th August 2025	67	63	58
Wednesday	20 th August 2025	67		60

Table 14.2-22: Total ambient sound levels at NML11 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	66	B
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	64	C
Night-time	T=8hr, Every day 23:00-07:00	59	C

APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-27: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML11



NML12 – Carr Lane, Ulley, S26 3YA

- 14.2.47 **Figure 14.2-28** presents the monitoring equipment setup at NML12. **Figure 14.2-29** presents the 15-minute sound measurements logged over the survey period.
- 14.2.48 **Table 14.2-23** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-24** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.49 **Figure 14.2-30** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 37 dB and 35 dB respectively for assessment locations represented by NML12.

Figure 14.2-28: Photos of Equipment at NML12



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-29: Noise Monitoring Results at NML12

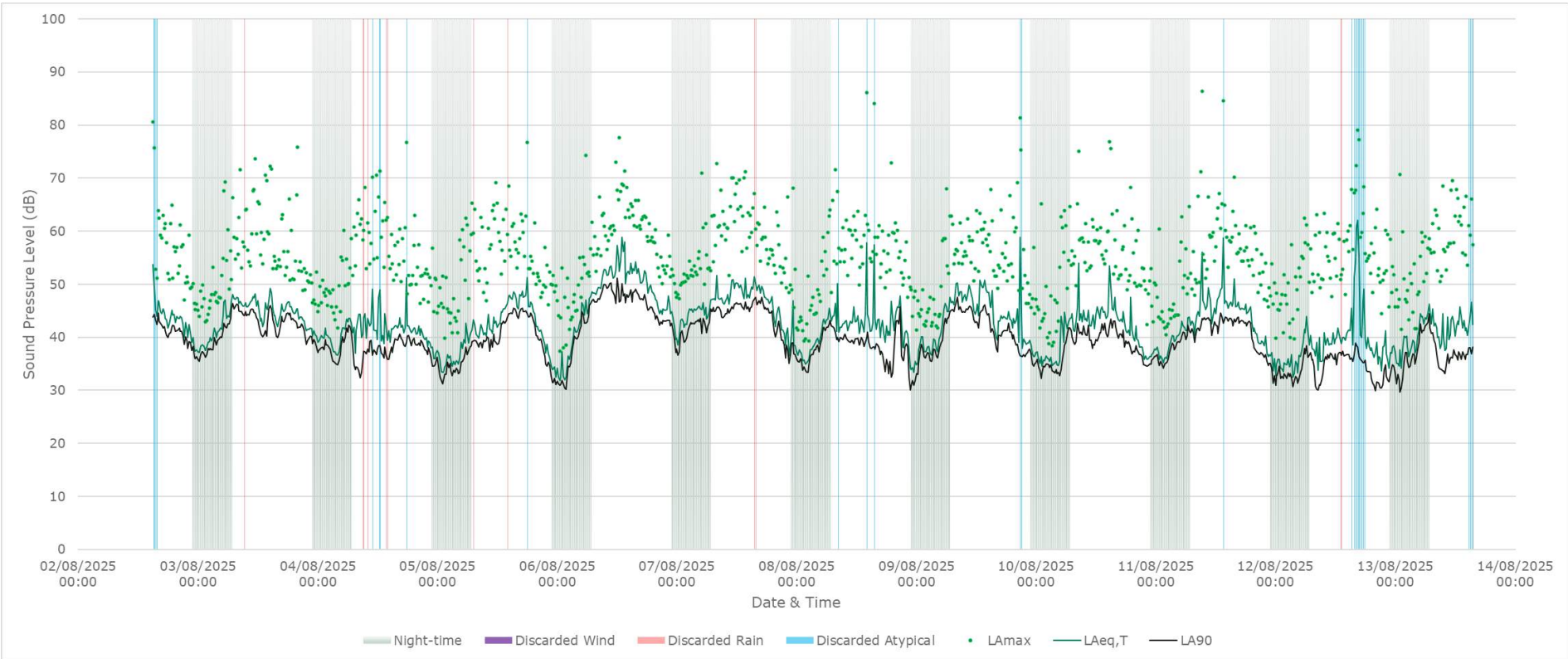


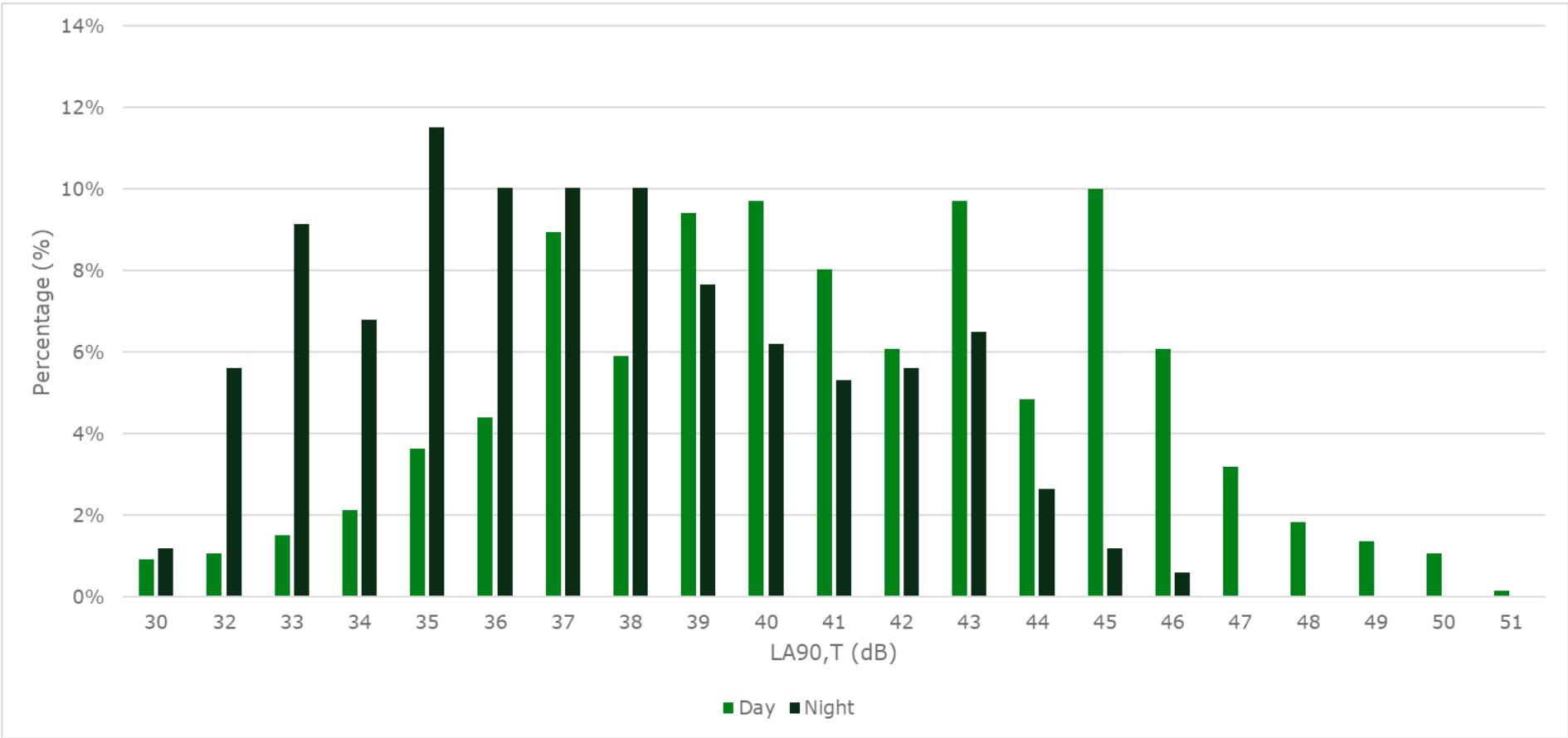
Table 14.2-23: Measured ambient sound levels at NML12

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Saturday	2 nd August 2025	48	46	41
Sunday	3 rd August 2025	49	46	45
Monday	4 th August 2025	45	43	43
Tuesday	5 th August 2025	48	44	40
Wednesday	6 th August 2025	56	49	45
Thursday	7 th August 2025	52	46	47
Friday	8 th August 2025	46	46	43
Saturday	9 th August 2025	50	44	44
Sunday	10 th August 2025	48	43	42
Monday	11 th August 2025	50	43	43
Tuesday	12 th August 2025	42	40	40
Wednesday	13 th August 2025	45	-	44

Table 14.2-24: Total ambient sound levels at NML12 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	50	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	44	B

Figure 14.2-30: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML12



NML13 – Aughton Lane, Aston, S26 2AJ

- 14.2.50 **Figure 14.2-31** presents the monitoring equipment setup at NML13. **Figure 14.2-32** presents the 15-minute sound measurements logged over the survey period.
- 14.2.51 **Table 14.2-25** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-26** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.52 **Figure 14.2-33** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 39 dB and 32 dB respectively for assessment locations represented by NML13.

Figure 14.2-31: Photos of Equipment at NML13



Figure 14.2-32: Noise Monitoring Results at NML13



Table 14.2-25: Measured ambient sound levels at NML13

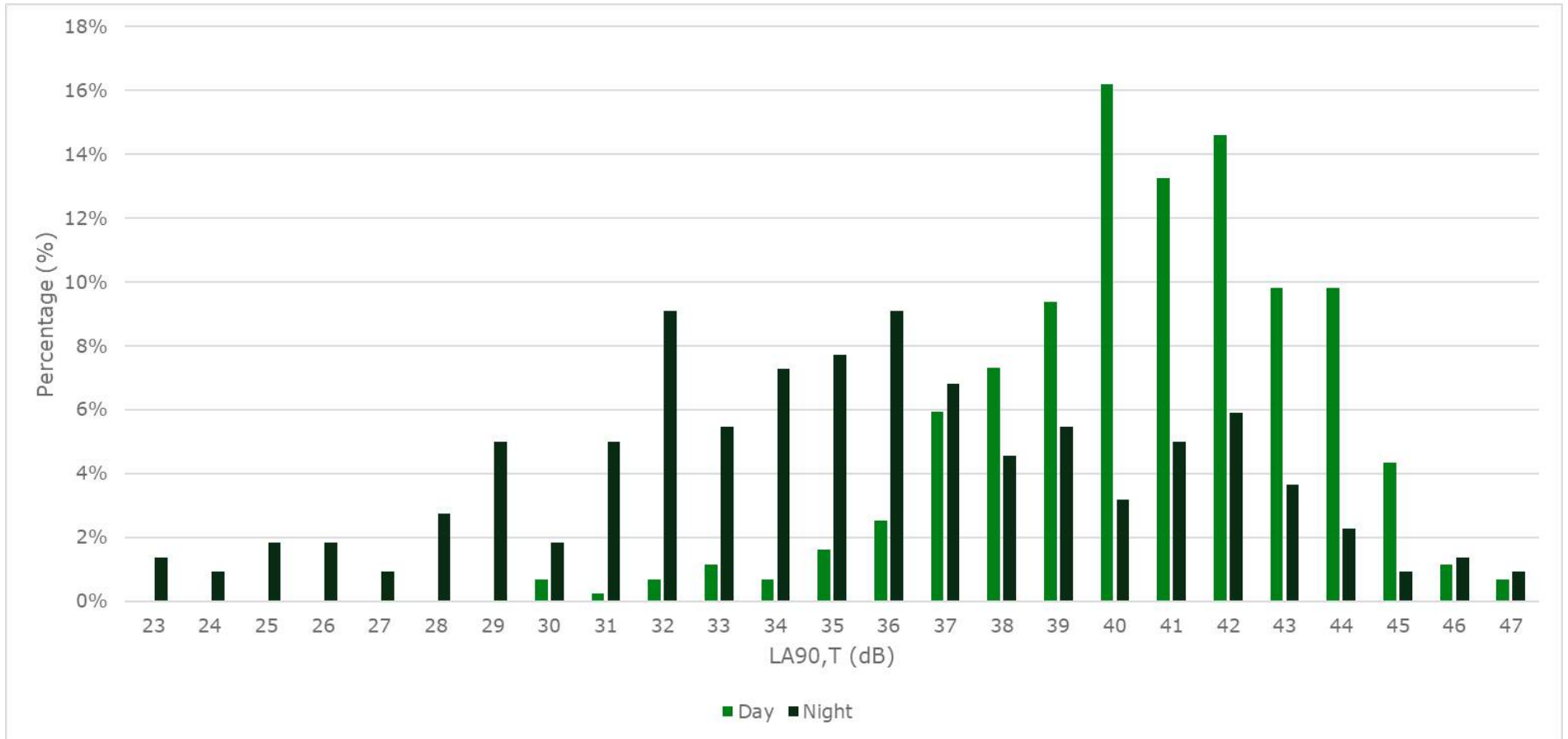
Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	52	45	41
Thursday	14 th August 2025	48	46	40
Friday	15 th August 2025	48	47	43
Saturday	16 th August 2025	47	48	42
Sunday	17 th August 2025	49	47	45
Monday	18 th August 2025	49	47	44
Tuesday	19 th August 2025	50	47	46
Wednesday	20 th August 2025	51	-	48

Table 14.2-26: Total ambient sound levels at NML13 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	44	B

APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-33: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML13



NML14 – Morthen Lane, Upper Whiston, S60 4NG

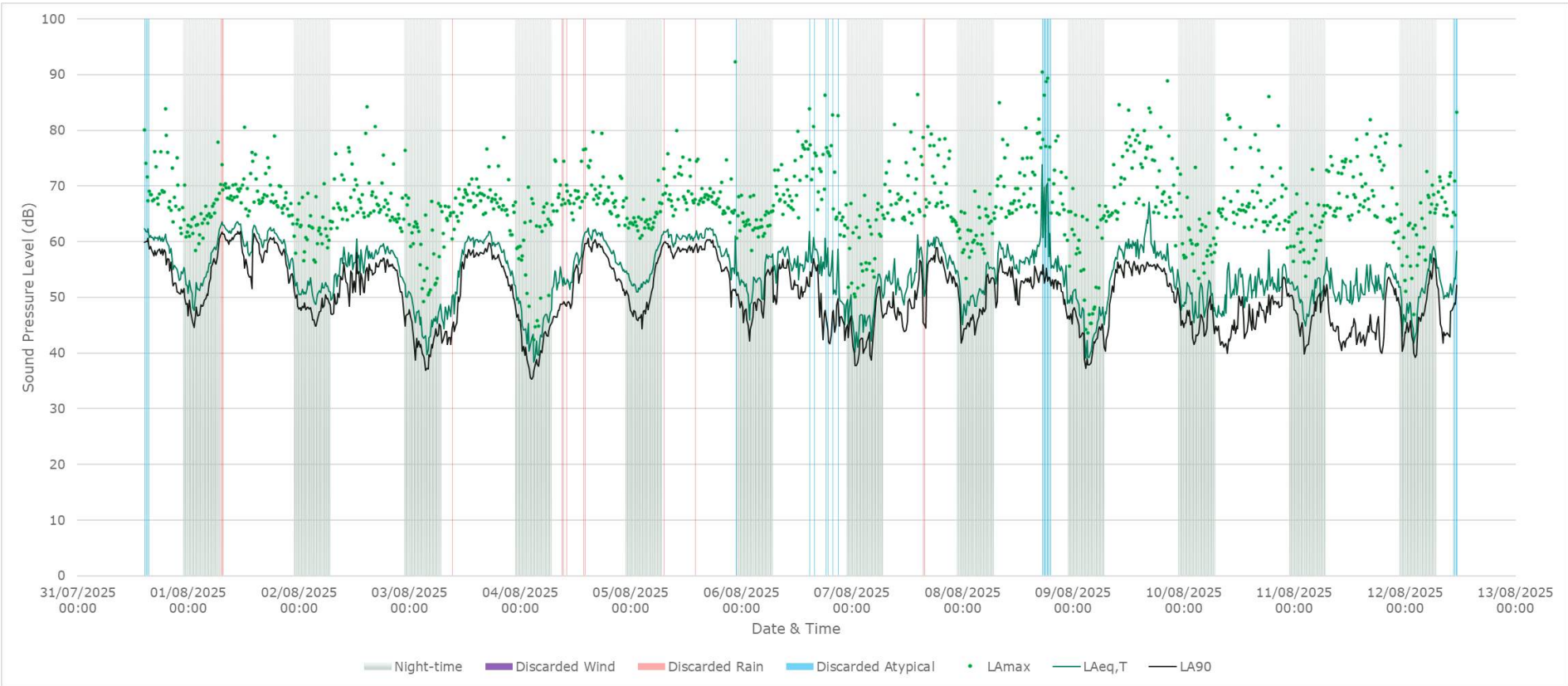
- 14.2.53 **Figure 14.2-34** presents the monitoring equipment setup at NML14. **Figure 14.2-35** presents the 15-minute sound measurements logged over the survey period.
- 14.2.54 **Table 14.2-27** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-28** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.55 **Figure 14.2-36** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 49 dB and 42 dB respectively for assessment locations represented by NML14.

Figure 14.2-34: Photos of Equipment at NML14



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-35: Noise Monitoring Results at NML14



APPENDIX 14.2: BASELINE CONDITIONS

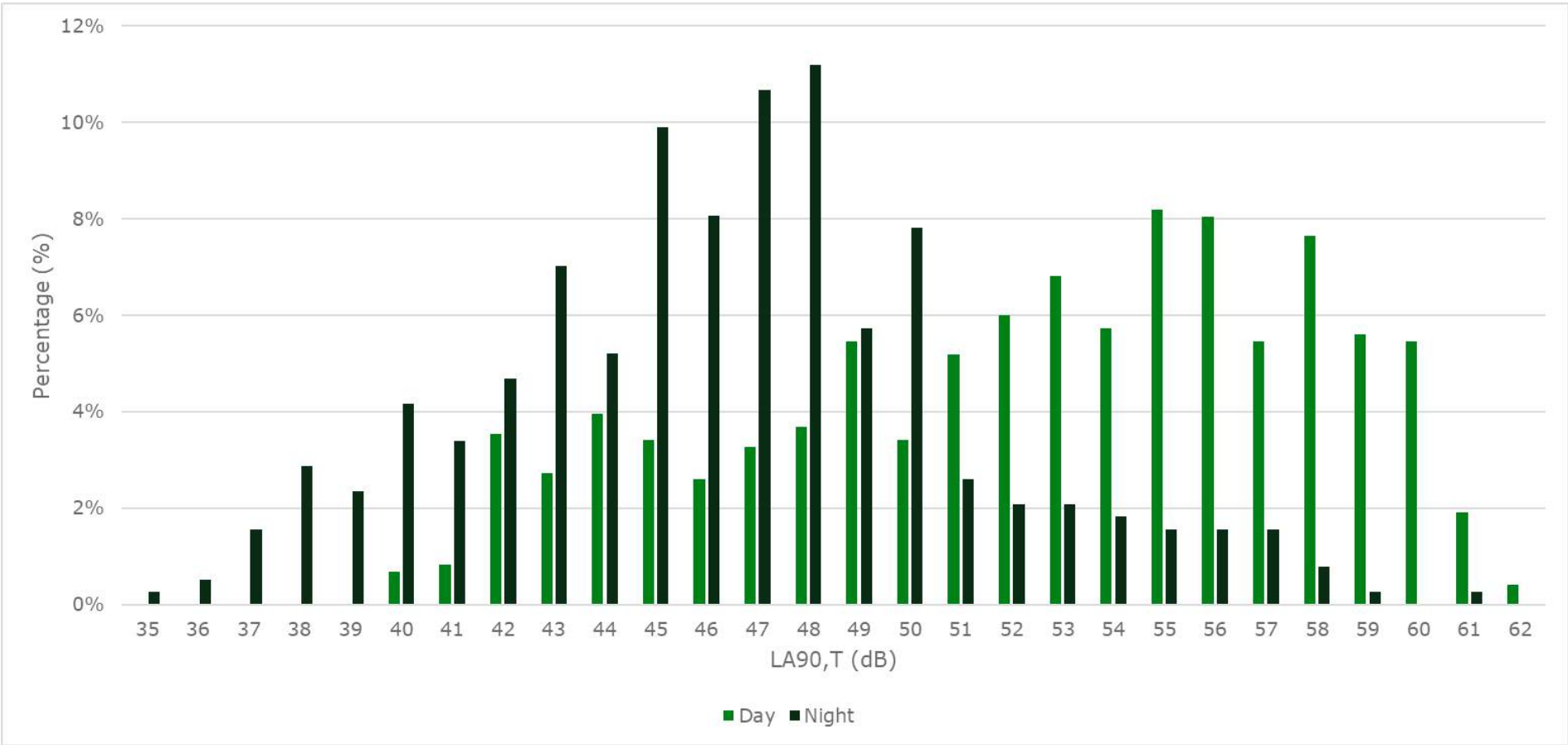
Table 14.2-27: Measured ambient sound levels at NML14

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	64	60	57
Friday	1 st August 2025	65	62	59
Saturday	2 nd August 2025	60	60	54
Sunday	3 rd August 2025	62	60	50
Monday	4 th August 2025	62	60	51
Tuesday	5 th August 2025	64	61	58
Wednesday	6 th August 2025	60	56	57
Thursday	7 th August 2025	59	60	52
Friday	8 th August 2025	60	59	55
Saturday	9 th August 2025	62	59	51
Sunday	10 th August 2025	55	57	53
Monday	11 th August 2025	55	57	54
Tuesday	12 th August 2025	56	-	56

Table 14.2-28: Total ambient sound levels at NML14 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	62	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	60	C
Night-time	T=8hr, Every day 23:00-07:00	55	C

Figure 14.2-36: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML14



NML15 – Pleasley Road, Whiston, S60 4NE

- 14.2.56 **Figure 14.2-37** presents the monitoring equipment setup at NML15. **Figure 14.2-38** presents the 15-minute sound measurements logged over the survey period.
- 14.2.57 **Table 14.2-29** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-30** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.58 **Figure 14.2-39** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 42 dB and 37 dB respectively for assessment locations represented by NML15.

Figure 14.2-37: Photos of Equipment at NML15



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-38: Noise Monitoring Results at NML15

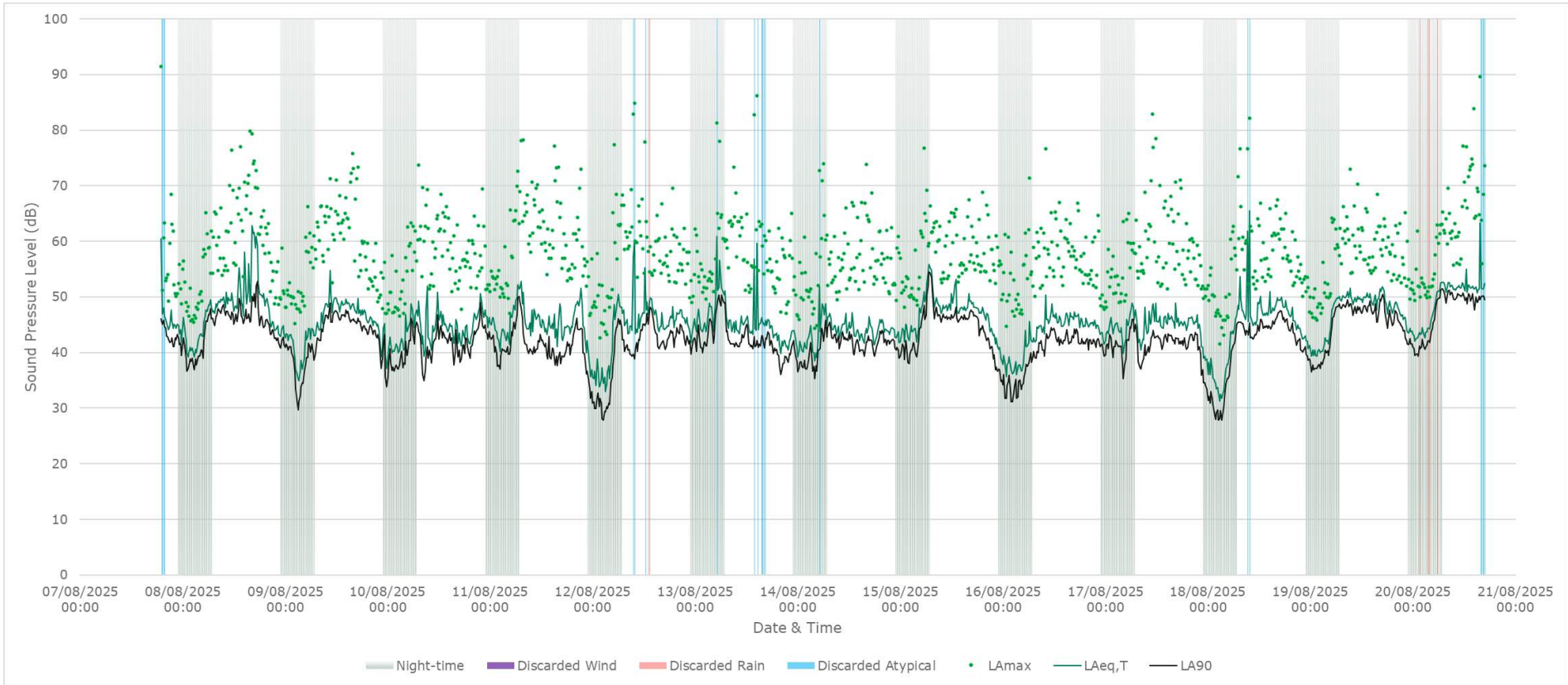


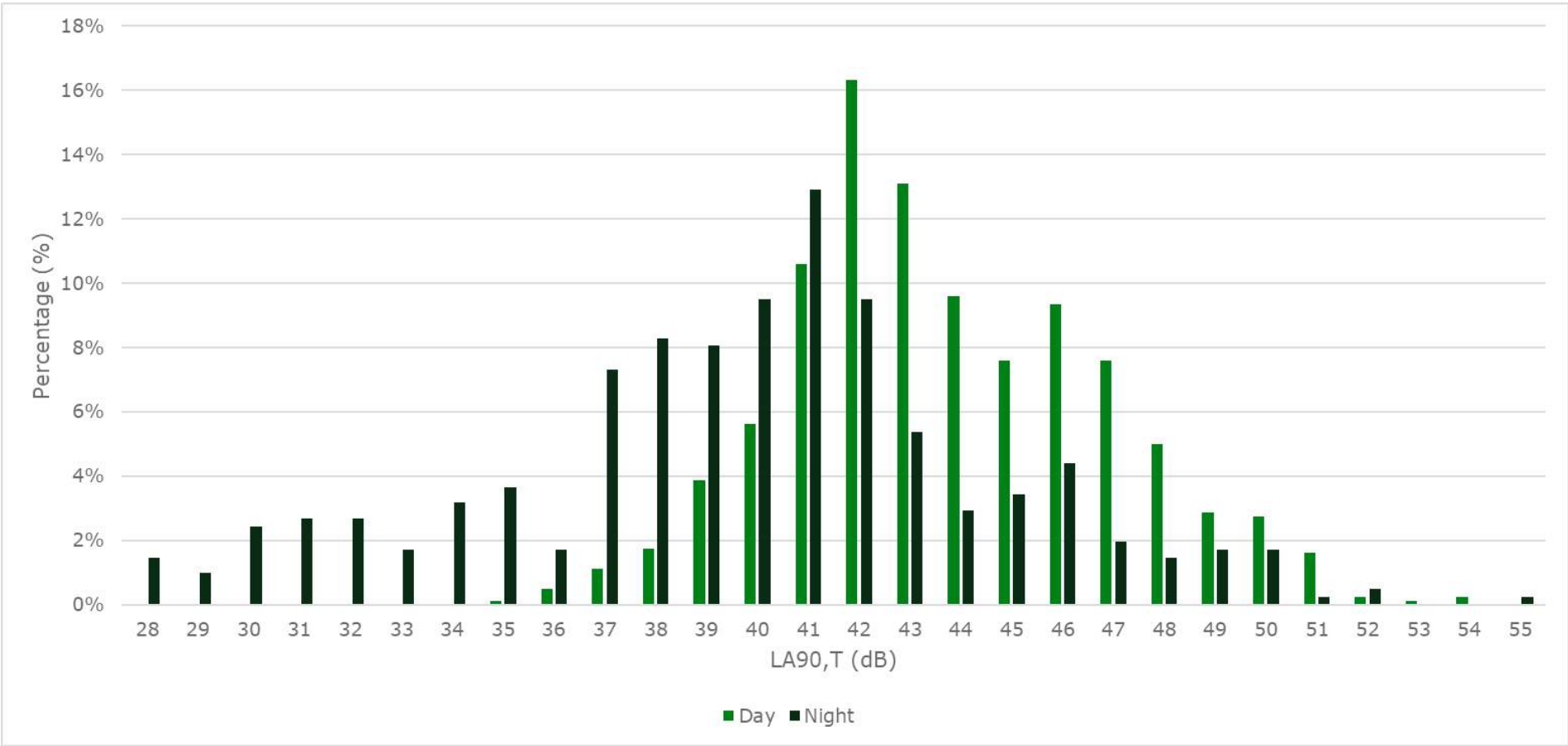
Table 14.2-29: Measured ambient sound levels at NML15

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Thursday	7 th August 2025	-	48	47
Friday	8 th August 2025	57	50	48
Saturday	9 th August 2025	51	48	45
Sunday	10 th August 2025	48	50	47
Monday	11 th August 2025	49	50	49
Tuesday	12 th August 2025	49	49	47
Wednesday	13 th August 2025	48	45	52
Thursday	14 th August 2025	47	47	47
Friday	15 th August 2025	52	48	51
Saturday	16 th August 2025	49	48	43
Sunday	17 th August 2025	49	48	48
Monday	18 th August 2025	51	48	43
Tuesday	19 th August 2025	53	50	48
Wednesday	20 th August 2025	55	-	50

Table 14.2-30: Total ambient sound levels at NML15 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	52	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	49	A
Night-time	T=8hr, Every day 23:00-07:00	48	C

Figure 14.2-39: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML15



NML17 – Park Lane, Conisbrough Parks, DN12 2BB

- 14.2.59 **Figure 14.2-40** presents the monitoring equipment setup at NML17. **Figure 14.2-41** presents the 15-minute sound measurements logged over the survey period.
- 14.2.60 **Table 14.2-31** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-32** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.61 **Figure 14.2-42** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 33 dB and 23 dB respectively for assessment locations represented by NML17.

Figure 14.2-40: Photos of Equipment at NML17



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-41: Noise Monitoring Results at NML17

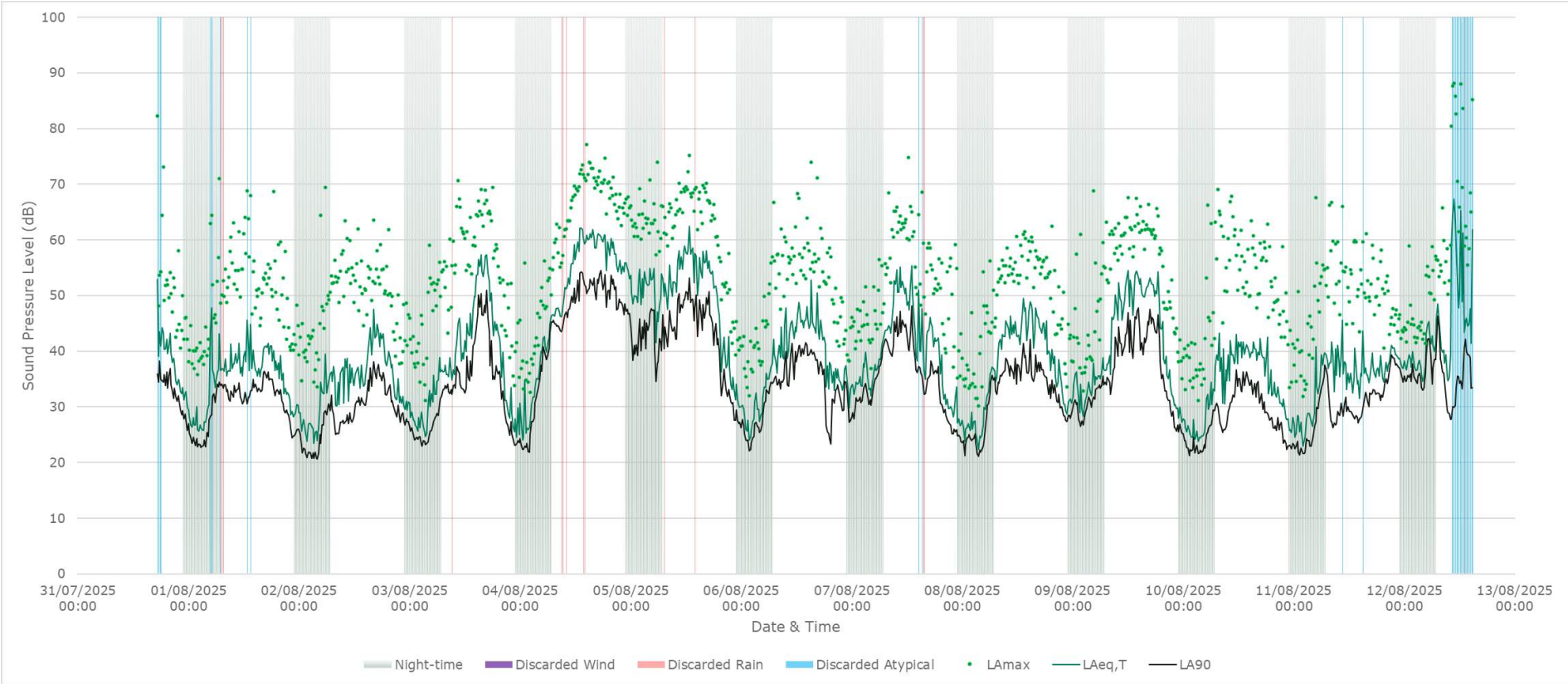


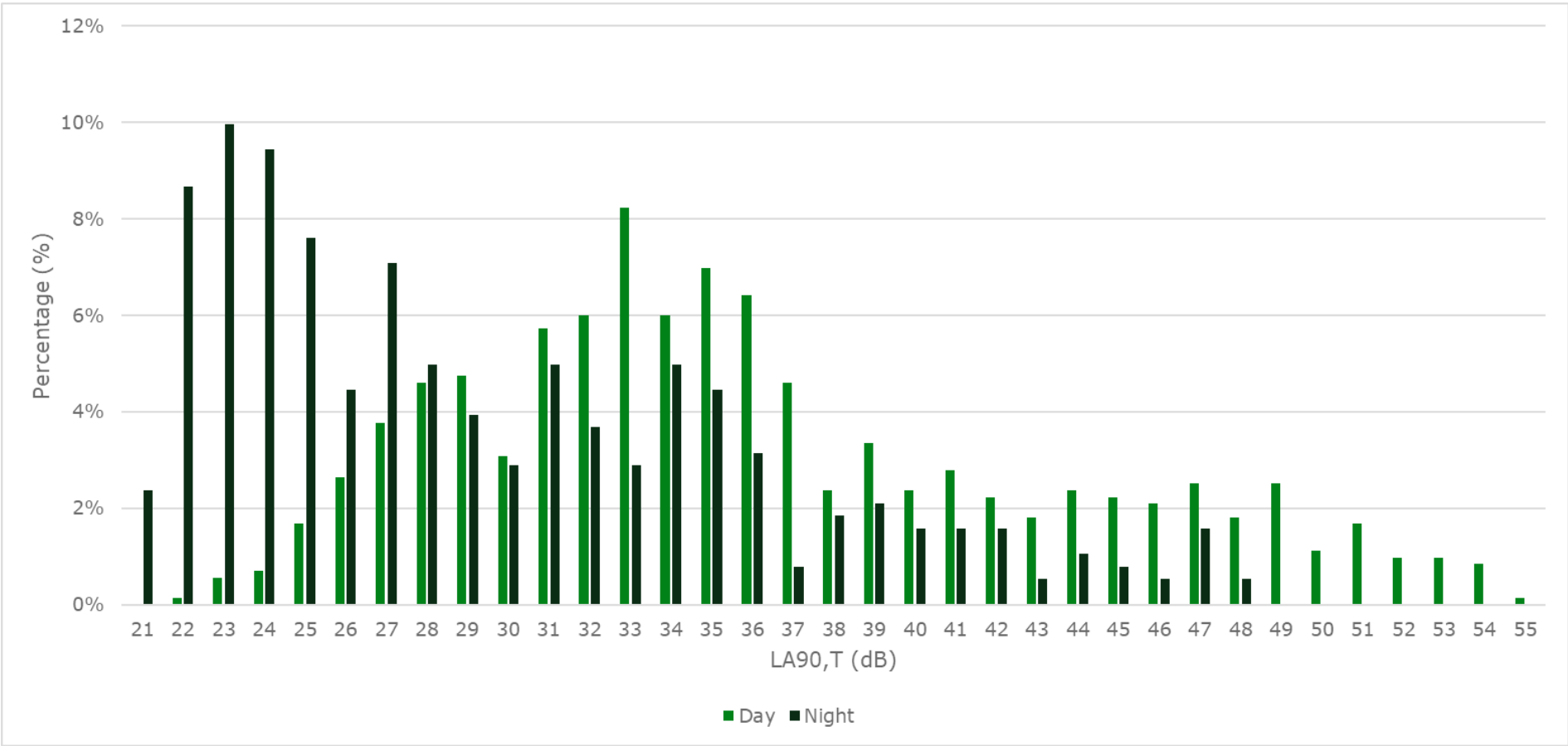
Table 14.2-31: Measured ambient sound levels at NML17

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	46	42	35
Friday	1 st August 2025	42	38	34
Saturday	2 nd August 2025	43	39	34
Sunday	3 rd August 2025	53	41	34
Monday	4 th August 2025	62	60	49
Tuesday	5 th August 2025	59	44	54
Wednesday	6 th August 2025	48	39	35
Thursday	7 th August 2025	52	37	39
Friday	8 th August 2025	48	39	34
Saturday	9 th August 2025	54	42	37
Sunday	10 th August 2025	43	35	31
Monday	11 th August 2025	40	42	37
Tuesday	12 th August 2025	45	-	43

Table 14.2-32: Total ambient sound levels at NML17 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	51	A
Night-time	T=8hr, Every day 23:00-07:00	45	B

Figure 14.2-42: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML17



NML19 – Treeton Lane, Aughton, S26 3XP

- 14.2.62 **Figure 14.2-43** presents the monitoring equipment setup at NML19. **Figure 14.2-44** presents the 15-minute sound measurements logged over the survey period.
- 14.2.63 **Table 14.2-33** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-34** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.64 **Figure 14.2-45** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 36 dB and 26 dB respectively for assessment locations represented by NML19.

Figure 14.2-43: Photos of Equipment at NML19



Figure 14.2-44: Noise Monitoring Results at NML19

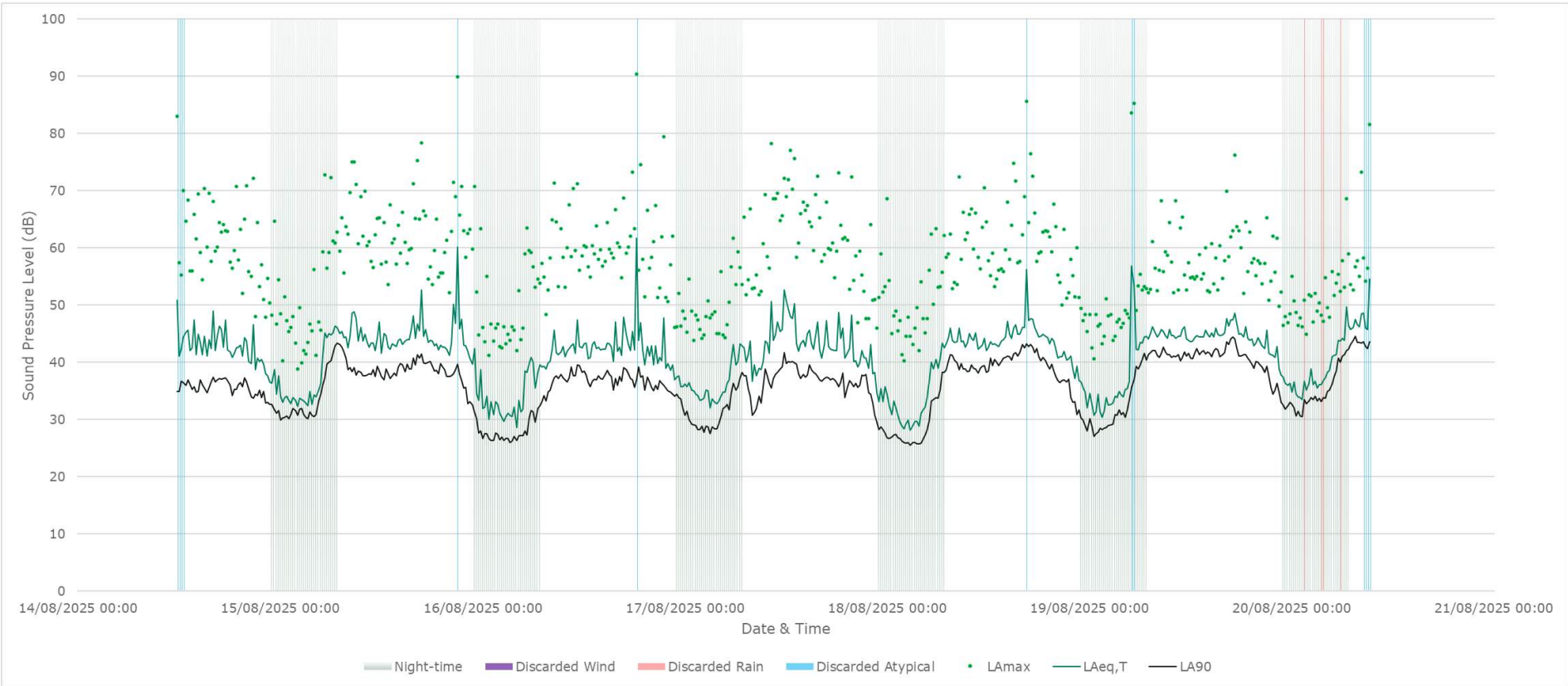


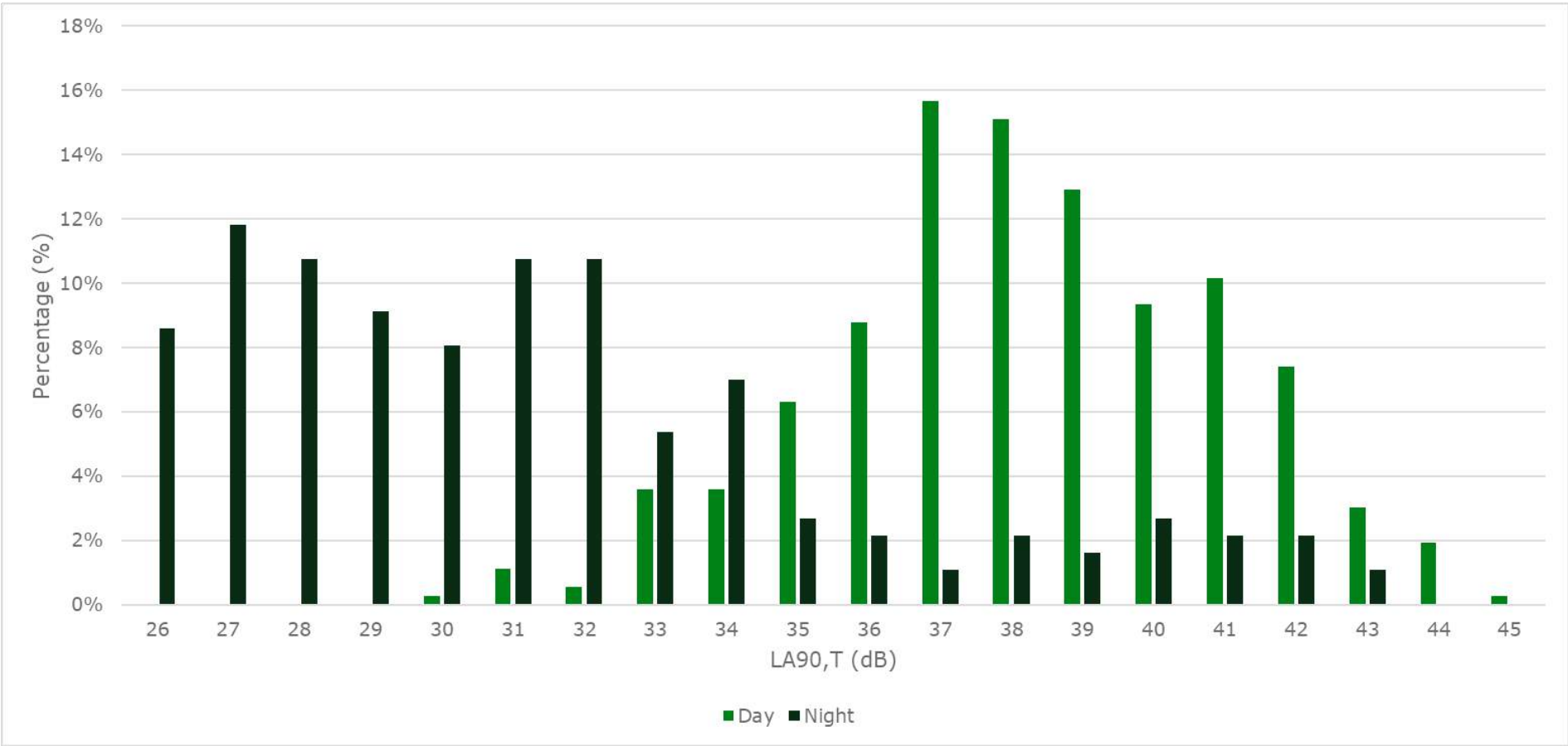
Table 14.2-33: Measured ambient sound levels at NML19

Day	Date	Ambient sound level [dB LAeq,T]		
		Daytime	Evening	Night-time
Thursday	14 th August 2025	47	45	40
Friday	15 th August 2025	48	48	43
Saturday	16 th August 2025	46	45	38
Sunday	17 th August 2025	48	45	40
Monday	18 th August 2025	48	45	39
Tuesday	19 th August 2025	48	46	41
Wednesday	20 th August 2025	50	-	44

Table 14.2-34: Total ambient sound levels at NML19 and ABC categories

Period		Total ambient sound level [dB LAeq,T]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	48	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	41	A

Figure 14.2-45: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML19



NML20 – Shorland Drive, Treeton, S60 5UN

- 14.2.65 **Figure 14.2-46** presents the monitoring equipment setup at NML20. Figure 14.2-47 presents the 15-minute sound measurements logged over the survey period.
- 14.2.66 **Table 14.2-35** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-36** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.67 **Figure 14.2-48** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 45 dB and 39 dB respectively for assessment locations represented by NML20.

Figure 14.2-46: Photos of Equipment at NML20



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-47: Noise Monitoring Results at NML20

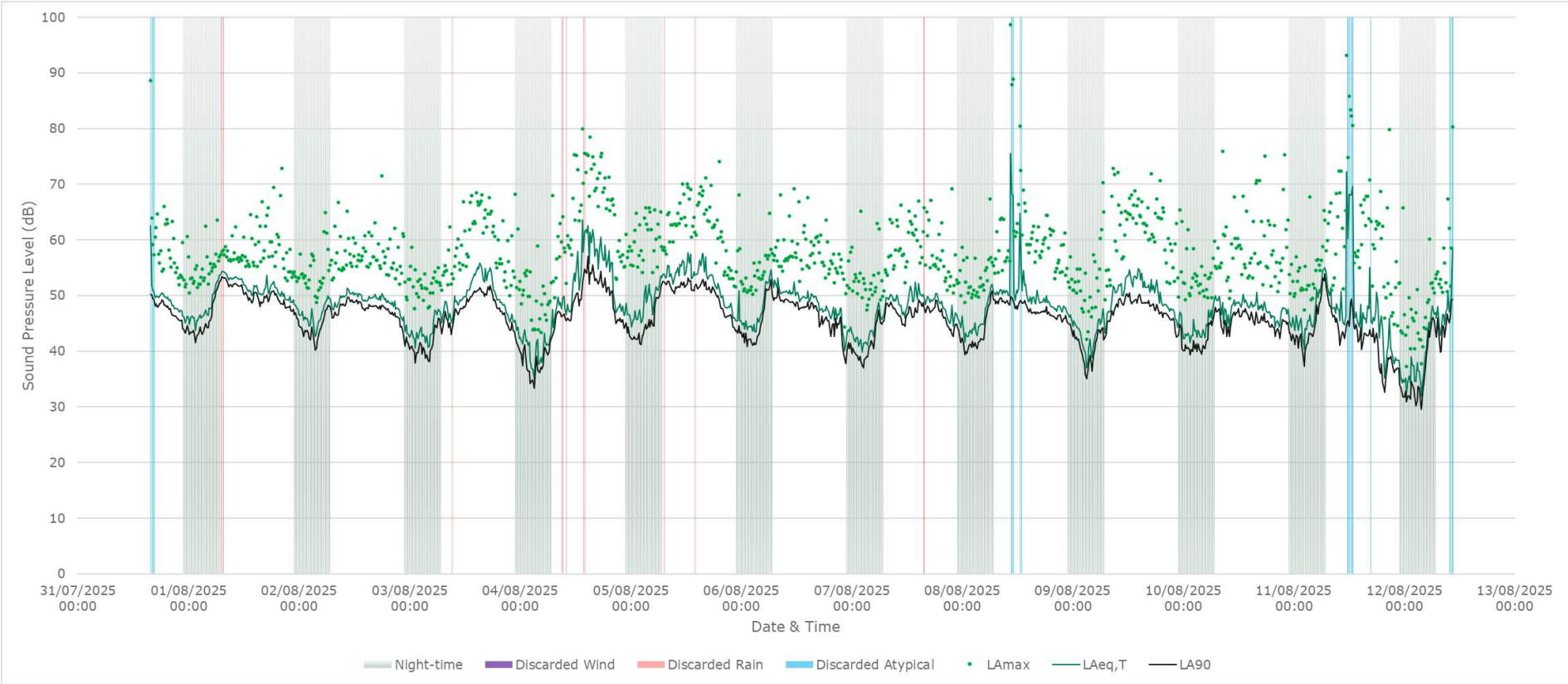


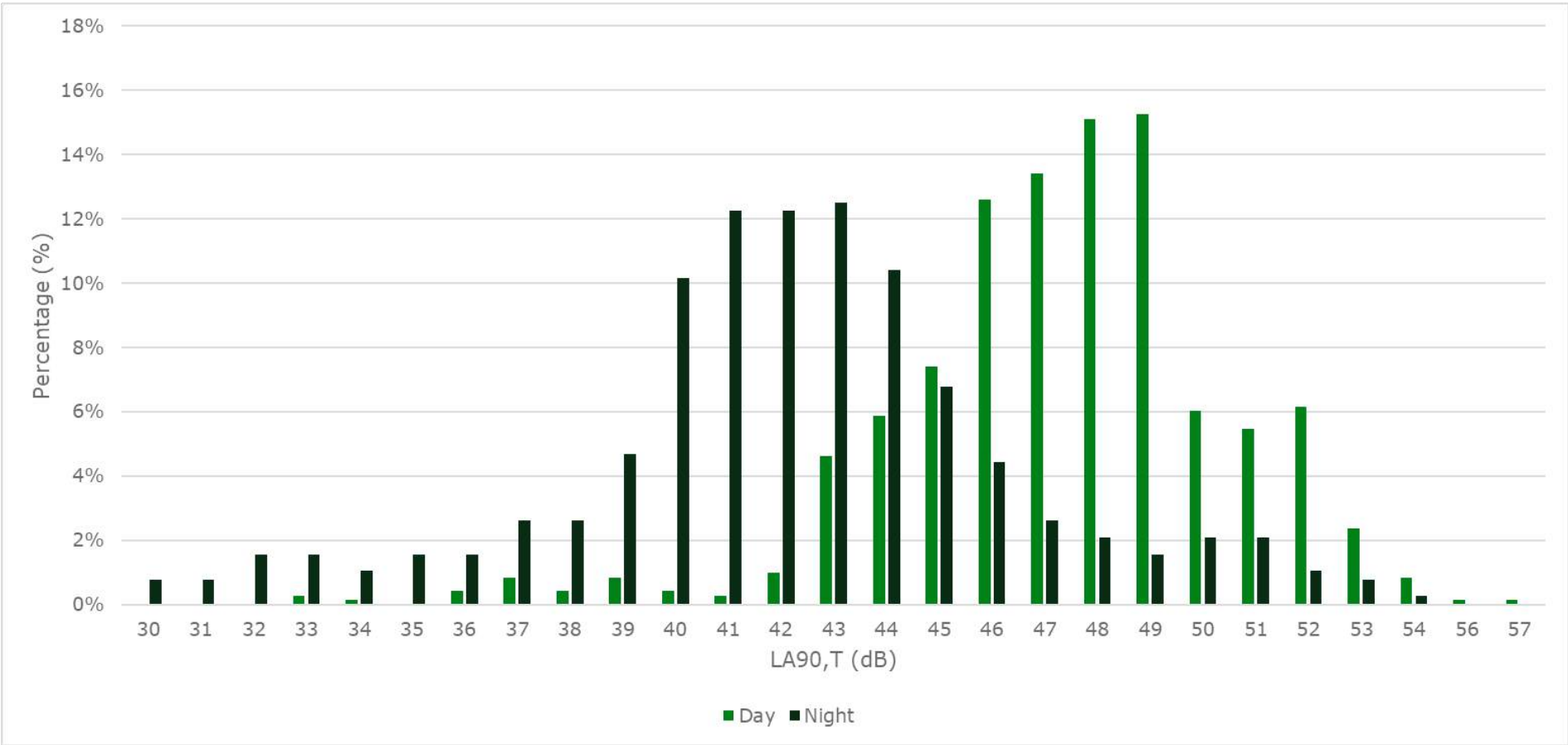
Table 14.2-35: Measured ambient sound levels at NML20

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Thursday	31 st July 2025	53	51	49
Friday	1 st August 2025	55	53	52
Saturday	2 nd August 2025	53	51	49
Sunday	3 rd August 2025	55	51	47
Monday	4 th August 2025	60	55	45
Tuesday	5 th August 2025	58	52	52
Wednesday	6 th August 2025	53	49	51
Thursday	7 th August 2025	53	50	47
Friday	8 th August 2025	53	51	50
Saturday	9 th August 2025	55	51	47
Sunday	10 th August 2025	51	49	48
Monday	11 th August 2025	51	44	51
Tuesday	12 th August 2025	50	-	45

Table 14.2-36: Total ambient sound levels at NML20 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	55	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	52	A
Night-time	T=8hr, Every day 23:00-07:00	49	C

Figure 14.2-48: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML20



NML21 – Slacks Lane, Bramley, Rotherham, S66 1TZ

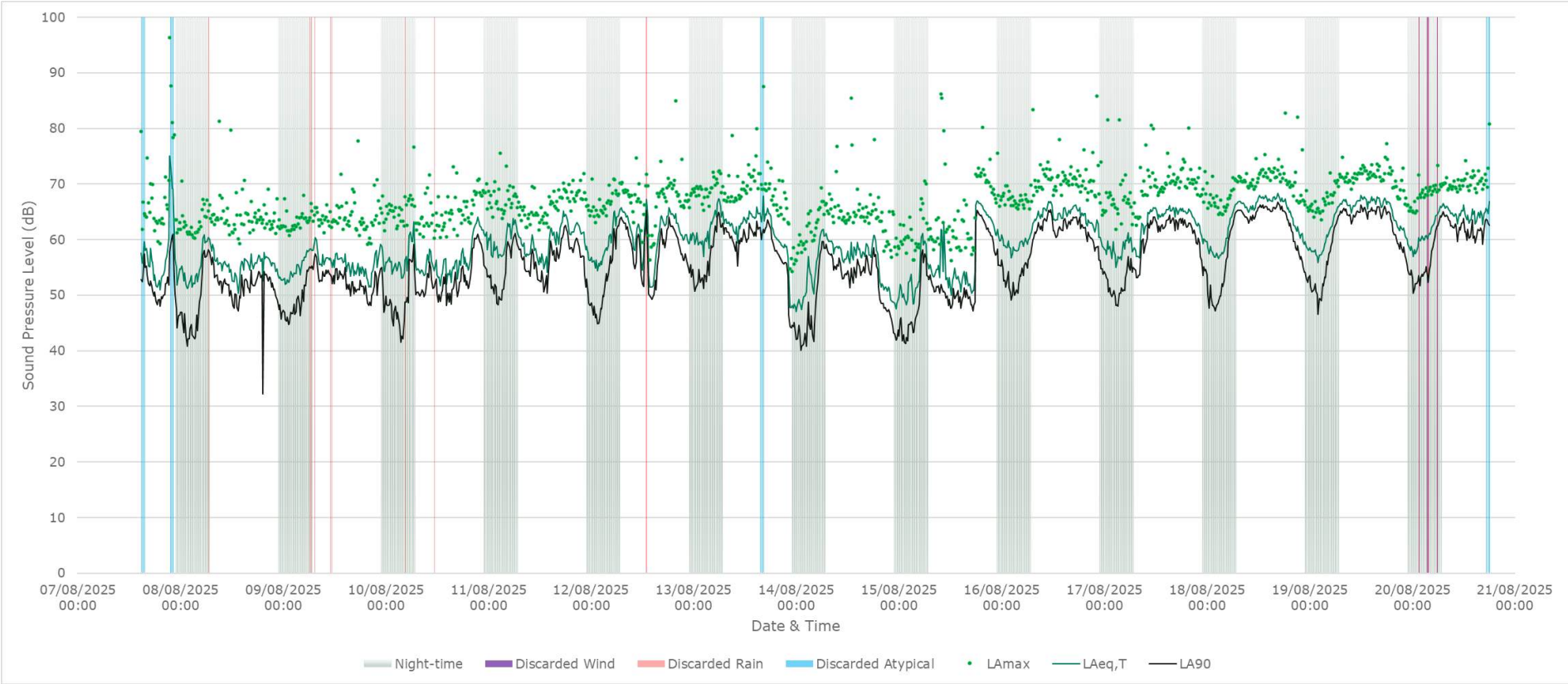
- 14.2.68 **Figure 14.2-49** presents the monitoring equipment setup at NML21. **Figure 14.2-50** presents the 15-minute sound measurements logged over the survey period.
- 14.2.69 **Table 14.2-37** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-38** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.70 **Figure 14.2-51** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 50 dB and 45 dB respectively for assessment locations represented by NML21.

Figure 14.2-49: Photos of Equipment at NML21



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-50: Noise Monitoring Results at NML21



APPENDIX 14.2: BASELINE CONDITIONS

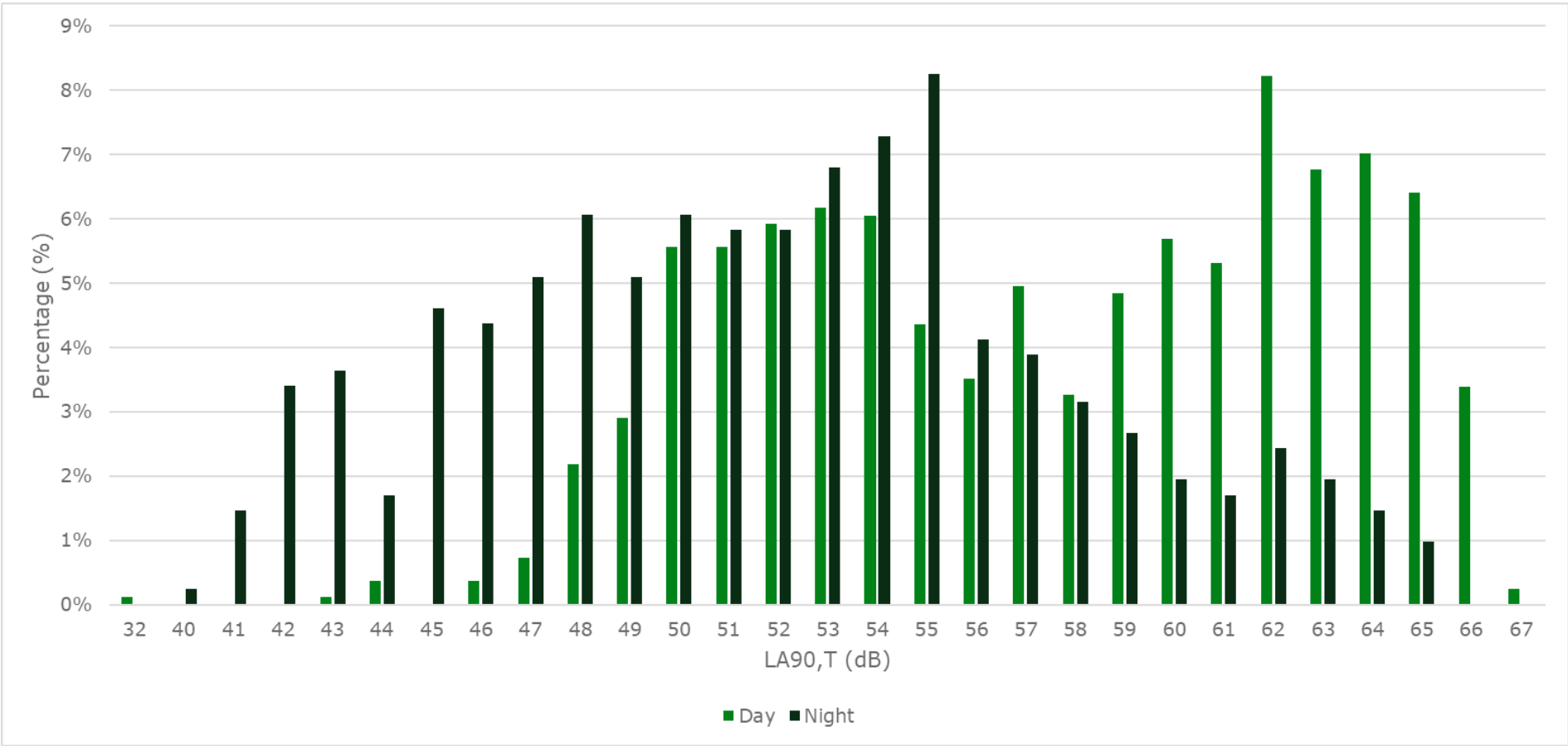
Table 14.2-37: Measured ambient sound levels at NML21

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Thursday	7 th August 2025	59	60	57
Friday	8 th August 2025	59	59	59
Saturday	9 th August 2025	59	58	59
Sunday	10 th August 2025	58	64	61
Monday	11 th August 2025	63	65	63
Tuesday	12 th August 2025	65	65	64
Wednesday	13 th August 2025	67	62	65
Thursday	14 th August 2025	61	55	59
Friday	15 th August 2025	61	67	59
Saturday	16 th August 2025	68	66	62
Sunday	17 th August 2025	67	67	62
Monday	18 th August 2025	70	66	64
Tuesday	19 th August 2025	70	66	64

Table 14.2-38: Total ambient sound levels at NML21 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	66	B
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	65	C
Night-time	T=8hr, Every day 23:00-07:00	62	C

Figure 14.2-51: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML21



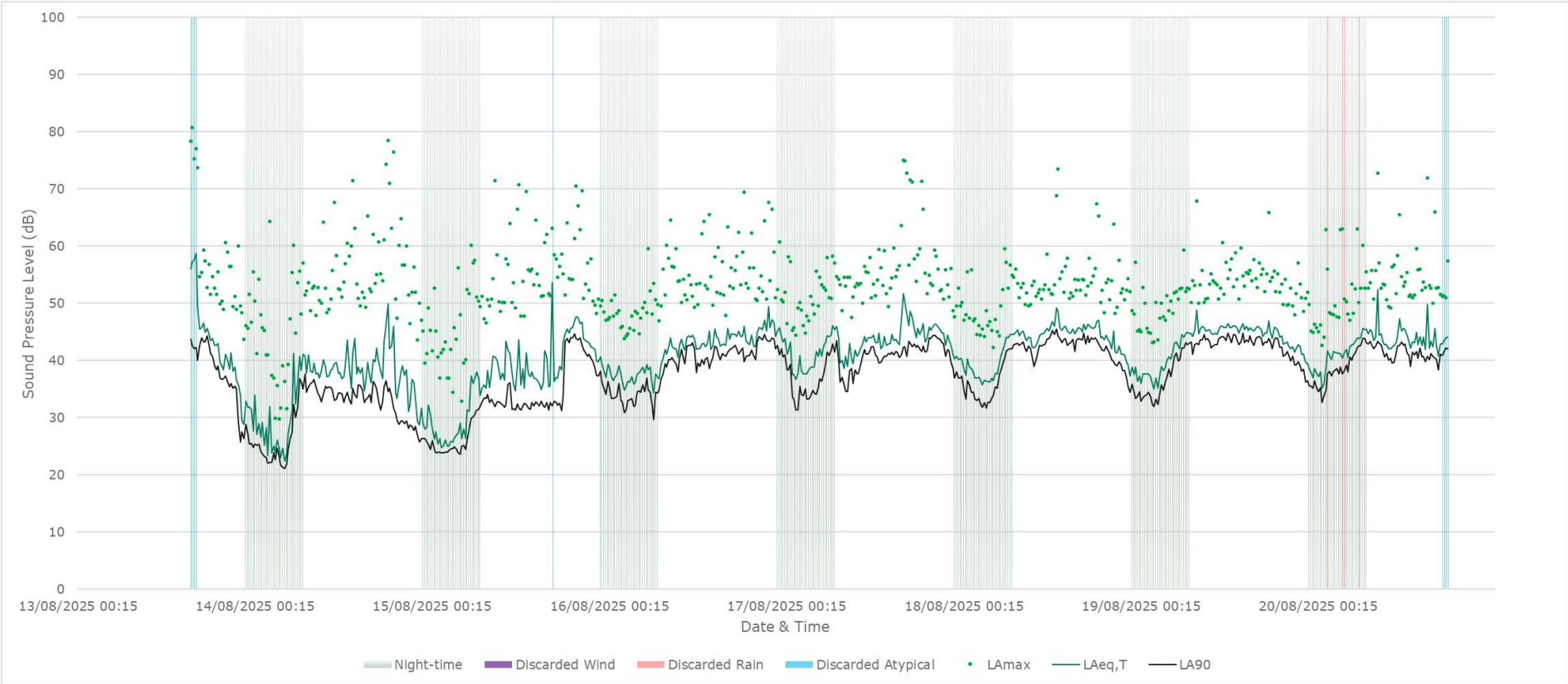
NML22 – Dapple Grove, Wickersley, S66 1DE

- 14.2.71 **Figure 14.2-52** presents the monitoring equipment setup at NML22. **Figure 14.2-53** presents the 15-minute sound measurements logged over the survey period.
- 14.2.72 **Table 14.2-39** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-40** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.73 **Figure 14.2-54** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 33 dB and 25 dB respectively for assessment locations represented by NML22.

Figure 14.2-52 Equipment Photos NML22



Figure 14.2-53: Noise Monitoring Results at NML22



APPENDIX 14.2: BASELINE CONDITIONS

Table 14.2-39: Measured ambient sound levels at NML22

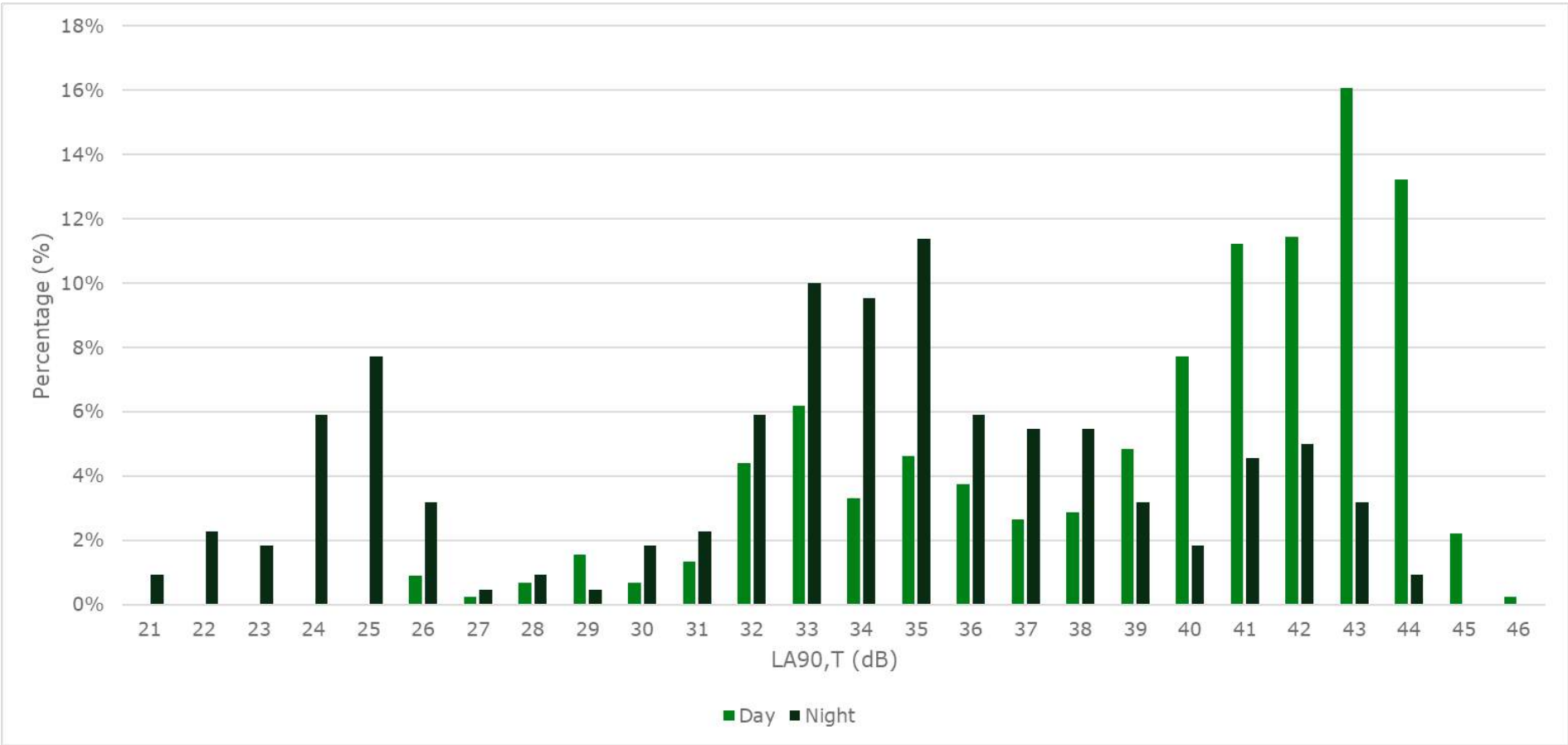
Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	49	42	35
Thursday	14 th August 2025	44	41	36
Friday	15 th August 2025	44	48	37
Saturday	16 th August 2025	46	49	42
Sunday	17 th August 2025	48	48	45
Monday	18 th August 2025	48	45	43
Tuesday	19 th August 2025	49	45	44
Wednesday	20 th August 2025	48	-	45

Table 14.2-40: Total ambient sound levels at NML22 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	47	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	42	A

APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-54: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML22



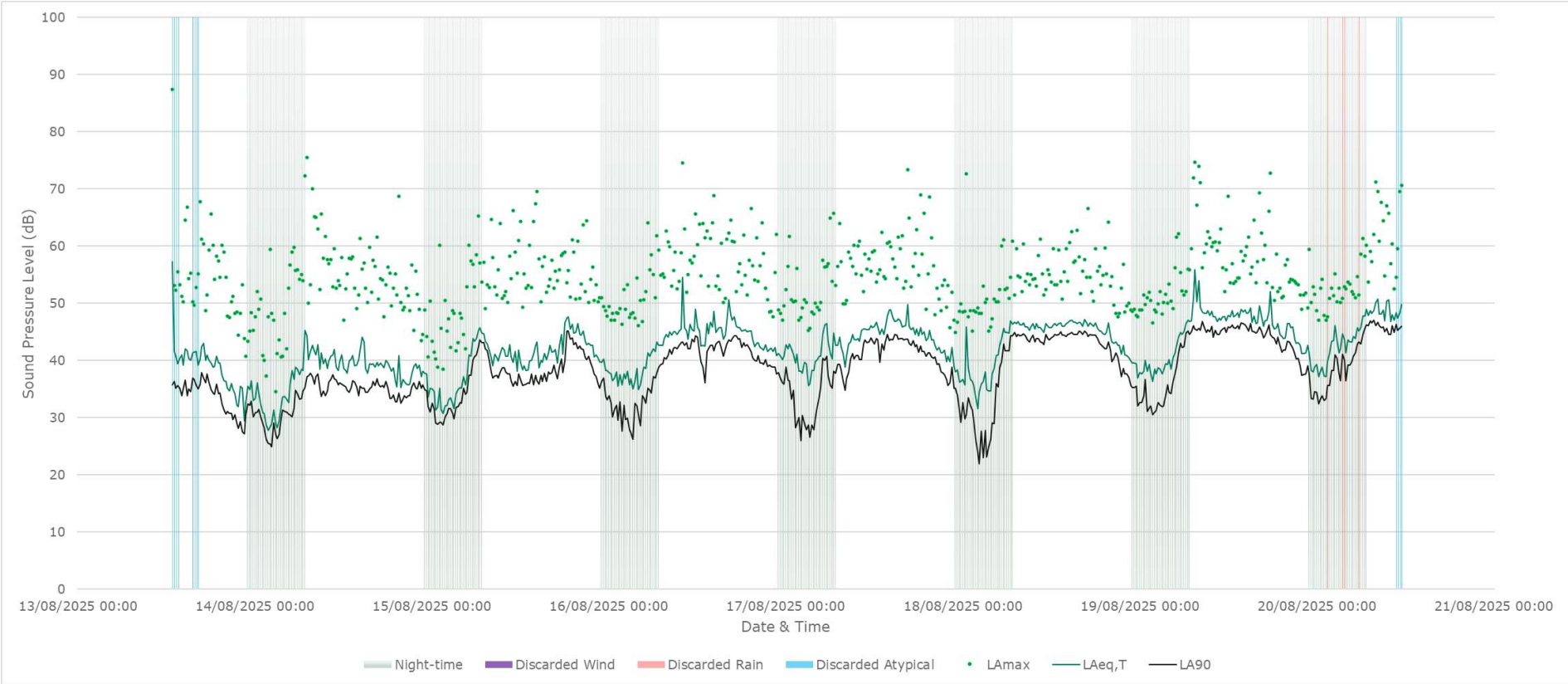
NML23 – Rectory Gardens, Todwick, S26 1JU

- 14.2.74 **Figure 14.2-55** presents the monitoring equipment setup at NML23. **Figure 14.2-56** presents the 15-minute sound measurements logged over the survey period.
- 14.2.75 **Table 14.2-41** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-42** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.76 **Figure 14.2-57** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 36 dB and 29 dB respectively for assessment locations represented by NML23.

Figure 14.2-55 Equipment Photos NML23



Figure 14.2-56: Noise Monitoring Results at NML23



APPENDIX 14.2: BASELINE CONDITIONS

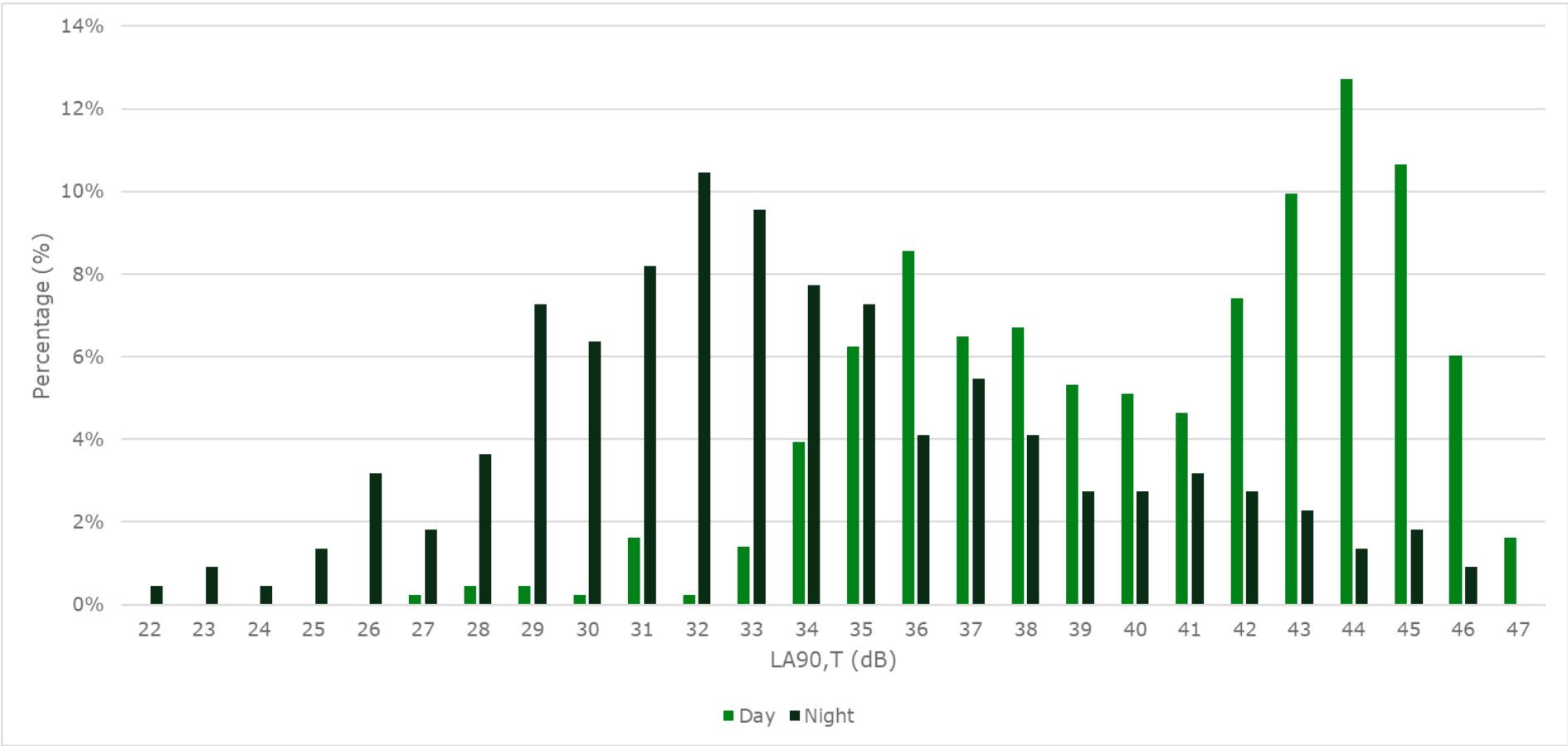
Table 14.2-41: Measured ambient sound levels at NML23

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Wednesday	13 th August 2025	44	39	38
Thursday	14 th August 2025	43	41	39
Friday	15 th August 2025	45	47	42
Saturday	16 th August 2025	49	46	42
Sunday	17 th August 2025	49	45	44
Monday	18 th August 2025	49	46	44
Tuesday	19 th August 2025	52	47	45
Wednesday	20 th August 2025	52	-	47

Table 14.2-42: Total ambient sound levels at NML23 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	49	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	47	A
Night-time	T=8hr, Every day 23:00-07:00	44	B

Figure 14.2-57: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML23



NML24 – Long Lane, Whiston, S60 4JJ

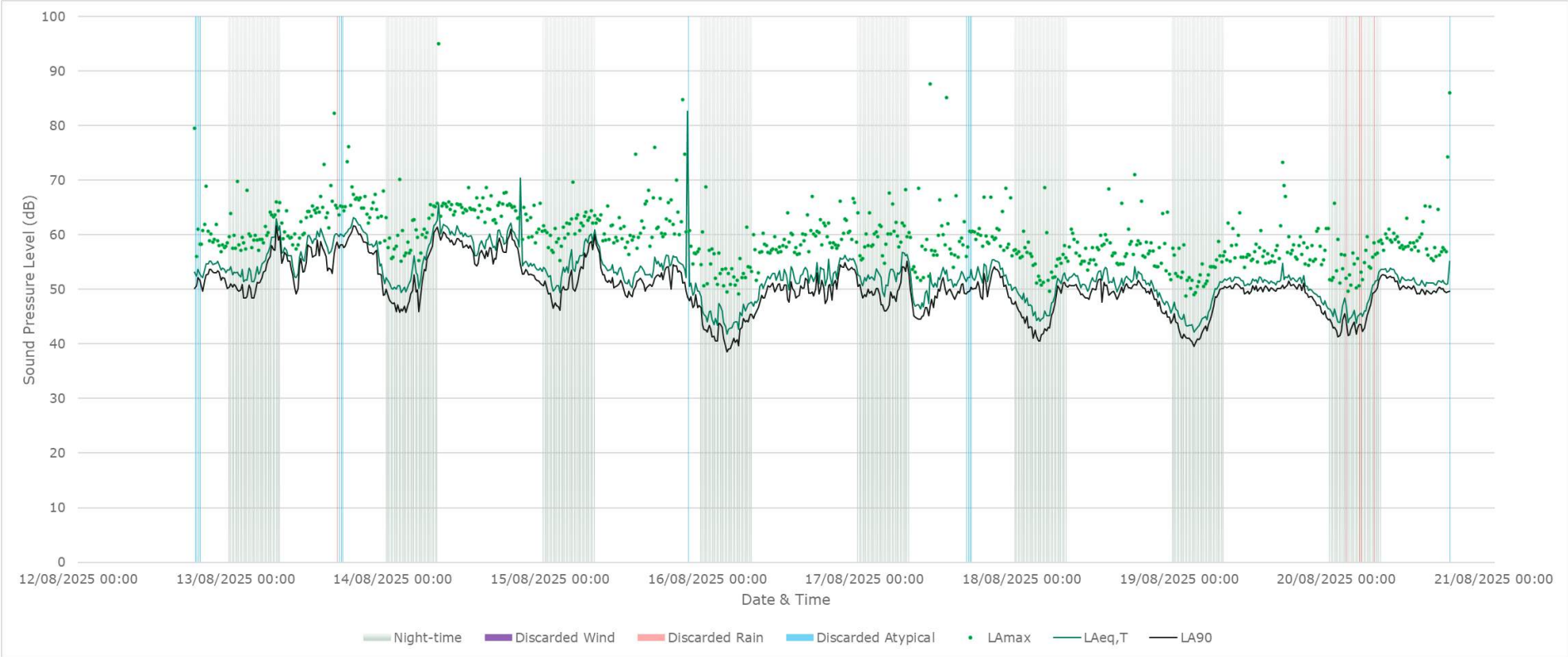
- 14.2.77 **Figure 14.2-58** presents the monitoring equipment setup at NML24. **Figure 14.2-59** presents the 15-minute sound measurements logged over the survey period.
- 14.2.78 **Table 14.2-43** presents the daytime, evening, and night-time measured $L_{Aeq,T}$. **Table 14.2-44** presents the total daytime, evenings and weekends, and night-time measured $L_{Aeq,T}$ and corresponding ABC categories in accordance with BS 5228-1.
- 14.2.79 **Figure 14.2-60** presents the distribution of background $L_{A90,15min}$ sound levels over the day and night-time throughout the survey period. The adopted daytime and night-time $L_{A90,T}$ are 49 dB and 41 dB respectively for assessment locations represented by NML24.

Figure 14.2-58 Equipment Photos NML24



APPENDIX 14.2: BASELINE CONDITIONS

Figure 14.2-59: Noise Monitoring Results at NML24



APPENDIX 14.2: BASELINE CONDITIONS

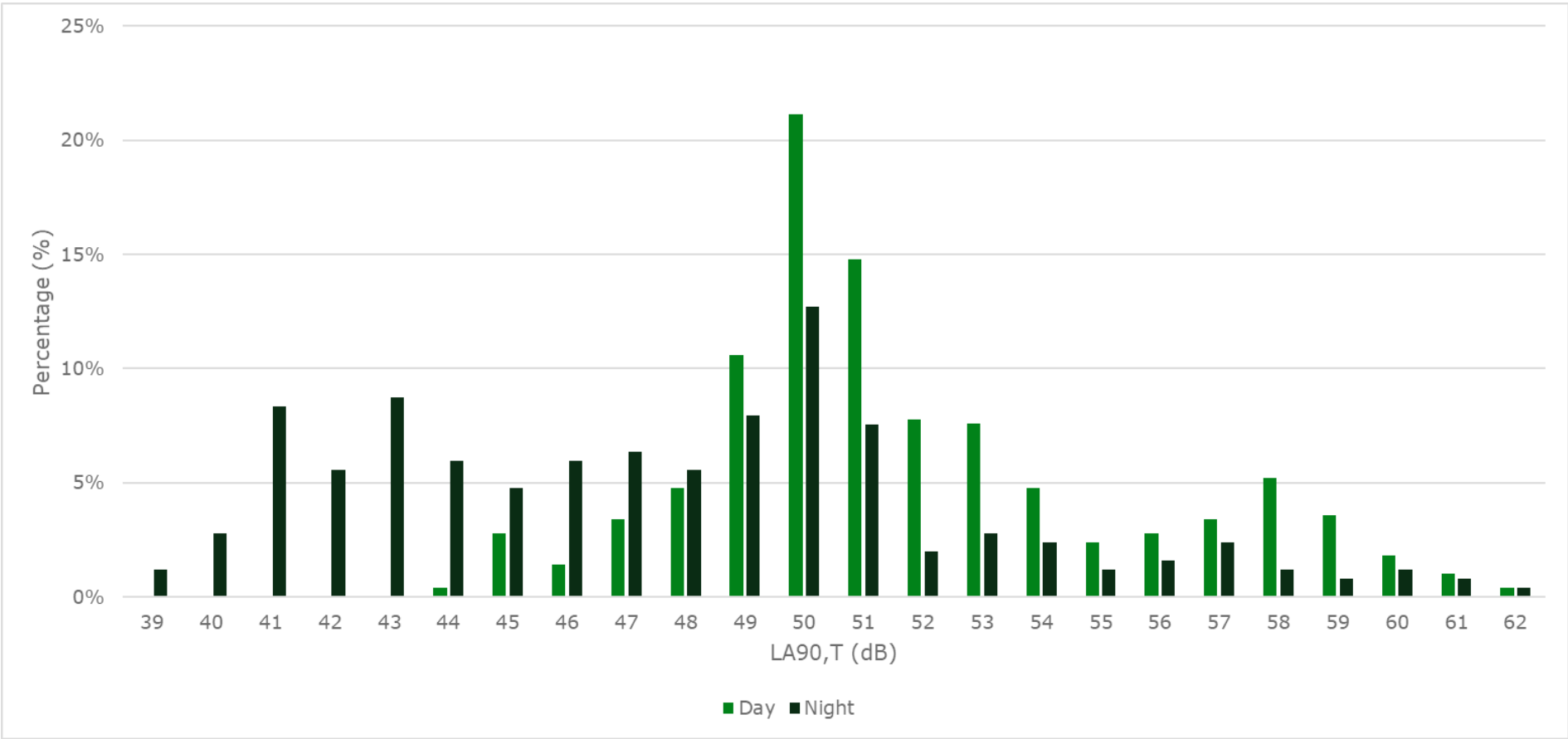
Table 14.2-43: Measured ambient sound levels at NML24

Day	Date	Ambient sound level [dB L _{Aeq,T}]		
		Daytime	Evening	Night-time
Tuesday	12 th August 2025	55	57	56
Wednesday	13 th August 2025	62	62	59
Thursday	14 th August 2025	63	63	59
Friday	15 th August 2025	57	56	59
Saturday	16 th August 2025	55	58	50
Sunday	17 th August 2025	55	56	56
Monday	18 th August 2025	55	52	51
Tuesday	19 th August 2025	55	52	50
Wednesday	20 th August 2025	55		51

Table 14.2-44: Total ambient sound levels at NML24 and ABC categories

Period		Total ambient sound level [dB L _{Aeq,T}]	ABC category
Daytime	T=12hr, Weekdays, 07:00-19:00; T=6hr, Saturday, 07:00-13:00	59	A
Evenings and weekends	T=4hr, Weekdays 19:00–23:00; T=10hr, Saturdays 13:00-23:00; T=16hr, Sundays 07:00-23:00	58	C
Night-time	T=8hr, Every day 23:00-07:00	56	C

Figure 14.2-60: Distribution of Background Sound Levels During the Day (07:00-23:00) and Night (23:00-07:00) at NML24



Common Farm Solar Farm

14.2.80 Noise monitoring was conducted between 1st and 9th September 2021 for noise monitoring locations NML1-CF to NML4-CF as part of the Common Farm Solar Farm NIA. This data has been adopted for this assessment.

14.2.81 **Table 14.2-45** **Error! Reference source not found.** summarises the measured sound pressure levels $L_{Aeq,T}$ during the daytime, evening, and night-time and the adopted representative daytime and night-time $L_{A90,T}$.

Table 14.2-45: Summary of noise monitoring for Common Farm Solar Farm NIA

NML ID	Ambient sound level [dB $L_{Aeq,T}$]			Adopted representative $L_{A90,T}$ [dB]	
	Daytime	Evening	Night-time	Daytime	Night-time
NML1-CF	47	43	39	40	32
NML2-CF	66	64	59	54	33
NML3-CF	54	50	44	38	32
NML4-CF	55	52	46	37	31

Summary

14.2.82 **Table 14.2-46** presents the derived construction noise assessment categories and background sound levels for each assessment location.

Table 14.2-46: ABC Categories and Background Sound Levels for Each Assessment Location

AL ID	NML ID	Ambient sound level ($L_{Aeq,T}$) [dB] and construction noise assessment category (in accordance with BS 5228-1)			Adopted background sound level ($L_{A90,T}$) [dB]	
		Daytime	Evenings and weekends	Night	Day	Night
AL001	NML01	54 (A)	51 (A)	49 (C)	45	41
AL002	NML01	54 (A)	51 (A)	49 (C)	45	41
AL003	NML01	54 (A)	51 (A)	49 (C)	45	41
AL004	NML01	54 (A)	51 (A)	49 (C)	45	41
AL005	NML03	58 (A)	59 (C)	55 (C)	44	43
AL006	NML03	58 (A)	59 (C)	55 (C)	44	43
AL007	NML02	49 (A)	45 (A)	45 (B)	33	29
AL008	NML02	49 (A)	45 (A)	45 (B)	33	29
AL009	NML02	49 (A)	45 (A)	45 (B)	33	29

APPENDIX 14.2: BASELINE CONDITIONS

AL ID	NML ID	Ambient sound level (L _{Aeq,T}) [dB] and construction noise assessment category (in accordance with BS 5228-1)			Adopted background sound level (L _{A90,T}) [dB]	
		Daytime	Evenings and weekends	Night	Day	Night
AL010	NML02	49 (A)	45 (A)	45 (B)	33	29
AL011	NML03	58 (A)	59 (C)	55 (C)	44	43
AL012	NML03	58 (A)	59 (C)	55 (C)	44	43
AL013	NML02	49 (A)	45 (A)	45 (B)	33	29
AL014	NML02	49 (A)	45 (A)	45 (B)	33	29
AL015	NML02	49 (A)	45 (A)	45 (B)	33	29
AL016	NML02	49 (A)	45 (A)	45 (B)	33	29
AL017	NML02	49 (A)	45 (A)	45 (B)	33	29
AL018	NML02	49 (A)	45 (A)	45 (B)	33	29
AL019	NML03	58 (A)	59 (C)	55 (C)	44	43
AL020	NML02	49 (A)	45 (A)	45 (B)	33	29
AL021	NML04	60 (A)	57 (B)	55 (C)	43	32
AL022	NML04	60 (A)	57 (B)	55 (C)	43	32
AL023	NML07	54 (A)	52 (A)	49 (C)	43	39
AL024	NML05	55 (A)	51 (A)	46 (B)	40	33
AL025	NML05	55 (A)	51 (A)	46 (B)	40	33
AL026	NML05	55 (A)	51 (A)	46 (B)	40	33
AL027	NML05	55 (A)	51 (A)	46 (B)	40	33
AL028	NML07	54 (A)	52 (A)	49 (C)	43	39
AL029	NML04	60 (A)	57 (B)	55 (C)	43	32
AL030	NML07	54 (A)	52 (A)	49 (C)	43	39
AL031	NML07	54 (A)	52 (A)	49 (C)	43	39
AL032	NML2-CF	66 (B)	64 (C)	59 (C)	54	33
AL033	NML2-CF	66 (B)	64 (C)	59 (C)	54	33
AL034	NML07	54 (A)	52 (A)	49 (C)	43	39
AL035	NML3-CF	54 (A)	50 (A)	44 (A)	38	32
AL036	NML1-CF	47 (A)	43 (A)	39 (A)	40	32
AL037	NML09	55 (A)	53 (B)	52 (C)	48	43
AL038	NML4-CF	55 (A)	52 (A)	46 (A)	37	31
AL039	NML09	55 (A)	53 (B)	52 (C)	48	43
AL040	NML09	55 (A)	53 (B)	52 (C)	48	43
AL041	NML11	66 (B)	64 (C)	59 (C)	44	39

APPENDIX 14.2: BASELINE CONDITIONS

AL ID	NML ID	Ambient sound level (L _{Aeq,T}) [dB] and construction noise assessment category (in accordance with BS 5228-1)			Adopted background sound level (L _{A90,T}) [dB]	
		Daytime	Evenings and weekends	Night	Day	Night
AL042	NML10	58 (A)	55 (B)	50 (C)	38	31
AL043	NML10	58 (A)	55 (B)	50 (C)	38	31
AL044	NML10	58 (A)	55 (B)	50 (C)	38	31
AL045	NML10	58 (A)	55 (B)	50 (C)	38	31
AL046	NML09	55 (A)	53 (B)	52 (C)	48	43
AL047	NML09	55 (A)	53 (B)	52 (C)	48	43
AL048	NML11	66 (B)	64 (C)	59 (C)	44	39
AL049	NML11	66 (B)	64 (C)	59 (C)	44	39
AL050	NML11	66 (B)	64 (C)	59 (C)	44	39
AL051	NML11	66 (B)	64 (C)	59 (C)	44	39
AL052	NML11	66 (B)	64 (C)	59 (C)	44	39
AL053	NML12	50 (A)	47 (A)	44 (B)	37	35
AL054	NML03	58 (A)	59 (C)	55 (C)	44	43
AL055	NML02	49 (A)	45 (A)	45 (B)	33	29
AL056	NML03	58 (A)	59 (C)	55 (C)	44	43
AL057	NML12	50 (A)	47 (A)	44 (B)	37	35
AL058	NML12	50 (A)	47 (A)	44 (B)	37	35
AL059	NML12	50 (A)	47 (A)	44 (B)	37	35
AL060	NML12	50 (A)	47 (A)	44 (B)	37	35
AL061	NML13	49 (A)	47 (A)	44 (B)	39	32
AL062	NML13	49 (A)	47 (A)	44 (B)	39	32
AL063	NML12	50 (A)	47 (A)	44 (B)	37	35
AL064	NML11	66 (B)	64 (C)	59 (C)	44	39
AL065	NML14	62 (A)	60 (C)	55 (C)	49	42
AL066	NML14	62 (A)	60 (C)	55 (C)	49	42
AL067	NML15	52 (A)	49 (A)	48 (C)	42	37
AL068	NML15	52 (A)	49 (A)	48 (C)	42	37
AL069	NML15	52 (A)	49 (A)	48 (C)	42	37
AL070	NML12	50 (A)	47 (A)	44 (B)	37	35
AL071	NML09	55 (A)	53 (B)	52 (C)	48	43
AL072	NML09	55 (A)	53 (B)	52 (C)	48	43
AL073	NML11	66 (B)	64 (C)	59 (C)	44	39

APPENDIX 14.2: BASELINE CONDITIONS

AL ID	NML ID	Ambient sound level (L _{Aeq,T}) [dB] and construction noise assessment category (in accordance with BS 5228-1)			Adopted background sound level (L _{A90,T}) [dB]	
		Daytime	Evenings and weekends	Night	Day	Night
AL074	NML24	59 (A)	58 (C)	56 (C)	49	41
AL075	NML24	59 (A)	58 (C)	56 (C)	49	41
AL076	NML17	55 (A)	51 (A)	45 (B)	33	23
AL077	NML17	55 (A)	51 (A)	45 (B)	33	23
AL078	NML17	55 (A)	51 (A)	45 (B)	33	23
AL079	NML17	55 (A)	51 (A)	45 (B)	33	23
AL080	NML17	55 (A)	51 (A)	45 (B)	33	23
AL081	NML17	55 (A)	51 (A)	45 (B)	33	23
AL082	NML17	55 (A)	51 (A)	45 (B)	33	23
AL083	NML17	55 (A)	51 (A)	45 (B)	33	23
AL084	NML17	55 (A)	51 (A)	45 (B)	33	23
AL085	NML17	55 (A)	51 (A)	45 (B)	33	23
AL086	NML17	55 (A)	51 (A)	45 (B)	33	23
AL087	NML17	55 (A)	51 (A)	45 (B)	33	23
AL088	NML17	55 (A)	51 (A)	45 (B)	33	23
AL089	NML17	55 (A)	51 (A)	45 (B)	33	23
AL090	NML17	55 (A)	51 (A)	45 (B)	33	23
AL091	NML19	48 (A)	47 (A)	41 (A)	36	26
AL092	NML20	55 (A)	52 (A)	49 (C)	45	39
AL093	NML20	55 (A)	52 (A)	49 (C)	45	39
AL094	NML20	55 (A)	52 (A)	49 (C)	45	39
AL095	NML20	55 (A)	52 (A)	49 (C)	45	39
AL096	NML20	55 (A)	52 (A)	49 (C)	45	39
AL097	NML20	55 (A)	52 (A)	49 (C)	45	39
AL098	NML17	55 (A)	51 (A)	45 (B)	33	23
AL099	NML12	50 (A)	47 (A)	44 (B)	37	35
AL100	NML21	66 (B)	65 (C)	62 (C)	50	45
AL101	NML22	47 (A)	47 (A)	42 (A)	33	25
AL102	NML22	47 (A)	47 (A)	42 (A)	33	25
AL103	NML22	47 (A)	47 (A)	42 (A)	33	25
AL104	NML21	66 (B)	65 (C)	62 (C)	50	45
AL105	NML22	47 (A)	47 (A)	42 (A)	33	25

APPENDIX 14.2: BASELINE CONDITIONS

AL ID	NML ID	Ambient sound level (L _{Aeq,T}) [dB] and construction noise assessment category (in accordance with BS 5228-1)			Adopted background sound level (L _{A90,T}) [dB]	
		Daytime	Evenings and weekends	Night	Day	Night
AL106	NML21	66 (B)	65 (C)	62 (C)	50	45
AL107	NML22	47 (A)	47 (A)	42 (A)	33	25
AL108	NML19	48 (A)	47 (A)	41 (A)	36	26
AL109	NML20	55 (A)	52 (A)	49 (C)	45	39
AL110	NML23	49 (A)	47 (A)	44 (B)	36	29
AL111	NML20	55 (A)	52 (A)	49 (C)	45	39
AL112	NML17	55 (A)	51 (A)	45 (B)	33	23
AL113	NML24	59 (A)	58 (C)	56 (C)	49	41
AL114	NML24	59 (A)	58 (C)	56 (C)	49	41
AL115	NML24	59 (A)	58 (C)	56 (C)	49	41



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