

**Kronospan Chirk, Maesgwyn Farm, Wrexham
LL14 5NT
Environmental Agency Permit: BW9999IG**

**Baseline environmental noise measurements during
partial shutdowns in 2024**

Report ref.

CJA4897/23241/Rev 0

Issued to

Kronospan

Prepared by

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Version	Remarks	Date
Rev 0	Issued for comment	18/02/2025



SECTION	TITLE	PAGE
1.	INTRODUCTION	1
2.	REFERENCES AND ABBREVIATIONS	1
3.	ATTENDED SHORT-TERM NOISE SURVEY DURING PARTIAL SHUT-DOWN (MAY 2024).....	2
3.1	SURVEY DATE	2
3.2	PLANT OPERATING CONDITIONS	2
3.3	SURVEY WEATHER.....	2
3.4	MEASUREMENT LOCATIONS	2
3.5	INSTRUMENTATION	4
3.6	MEASUREMENT RESULTS	5
3.7	DISCUSSION OF RESULTS	5
3.8	CONCLUSIONS FROM ATTENDED NOISE MEASUREMENTS	6
4.	UNATTENDED EXTENDED NOISE SURVEY DURING PARTIAL SHUT-DOWN (NOV-DEC 2024).....	7
4.1	SURVEY DATE	7
4.2	PLANT OPERATING CONDITIONS	7
4.3	SURVEY WEATHER.....	7
4.4	MEASUREMENT LOCATIONS	7
4.5	INSTRUMENTATION	8
4.6	MEASUREMENT RESULTS	9
5.	DISCUSSION OF RESULTS.....	14
6.	CONCLUSIONS	15

APPENDIX A: Instrumentation calibration certificates

APPENDIX B: Measured noise data from attended survey on 14-15th March 2024

APPENDIX C: Plant operation during partial shut-down Nov-Dec 2024

APPENDIX D: Wind speed and direction data from unattended survey

APPENDIX E: Measured noise data from unattended survey 25th Nov – 13th Dec 2024

1. INTRODUCTION

The Kronospan Chirk site operates under an Environmental Permit issued by Natural Resources Wales (NRW), and this requires NRW to regulate noise from the site.

Noise assessments of a site are required (Ref. 1) under the following circumstances:

- at the permit application stage
- when applying to vary a permit
- to comply with specific permit conditions

Ref. 1 also states that noise assessment should be undertaken in line with BS1412 (Ref. 3), which assesses the impact by comparing it with background noise.

Ref. 1 further states '*When considering overall site impact, you must make sure background sound levels at NSRs are not influenced by site noise*'.

The Kronospan Chirk site is a large industrial plant and as such does not have scheduled full shutdowns when true background noise levels at the nearest noise sensitive receptors (NSR) can be established.

The use of proxy 'representative' background noise measurement locations are a possibility (e.g. locations where the background noise level may be assumed to be equivalent to that at the NSR, but where noise from the NSR is not significant). However, for large sites such as Kronospan, proxy measurement positions are likely to be so remote from the NSR that they may no longer be representative.

In view of the above, this report details how indicative background noise levels have been developed based on measurements undertaken during partial shutdowns of the Kronospan Chirk site on 2 occasions in 2024.

It is not intended that these proposed values represent definitive 'background' noise levels at NSR (i.e. with the plant completely shutdown and with no maintenance underway), however they at least provide plausible figures which can be updated in the future as more data becomes available.

2. REFERENCES AND ABBREVIATIONS

Ref. No.	Title	Author	Date	Rev
1	Noise and vibration management: environmental permits (published on-line)	Environment Agency	31/01/22	n/a
2	Method implementation document for BS4142 (MID) for BS4142 (published on-line)	Environment Agency	22/12/23	n/a
3	BS 4142:2014+A1:2019 <i>Methods for rating and assessing industrial and commercial sound</i>	EH/1/3	2014	n/a
4	Kronospan Chirk Noise Impact Assessment (Spectrum report ref. CJA/23241/Rev 0)	CJA	2024	0

Table 2.1: References



Abbreviation	Full Text
EA	Environment Agency
LpA	A weighted Sound pressure level (dB re 2×10^{-5} Pa)
LwA	A weighted sound power level (dB re 10^{-12} W)
NIA	Noise Impact Assessment
NRW	Natural Resources Wales
NSR	Noise sensitive receptor

Table 2.2: Abbreviations

3. ATTENDED SHORT-TERM NOISE SURVEY DURING PARTIAL SHUT-DOWN (MAY 2024)

3.1 SURVEY DATE

Daytime and night-time manned noise measurements were undertaken on 14/15th May 2024 at 4 noise sensitive receptors (NSR).

3.2 PLANT OPERATING CONDITIONS

MDF 1 & 2, Chipper and K7 shutdown (13-16th May).

3.3 SURVEY WEATHER

During the measurements the wind speed and direction were measured using a hand-held anemometer, with a SE wind varying in speed from 0-3m/s.

There was no rain during the survey.

3.4 MEASUREMENT LOCATIONS

Measurement locations were as described below.

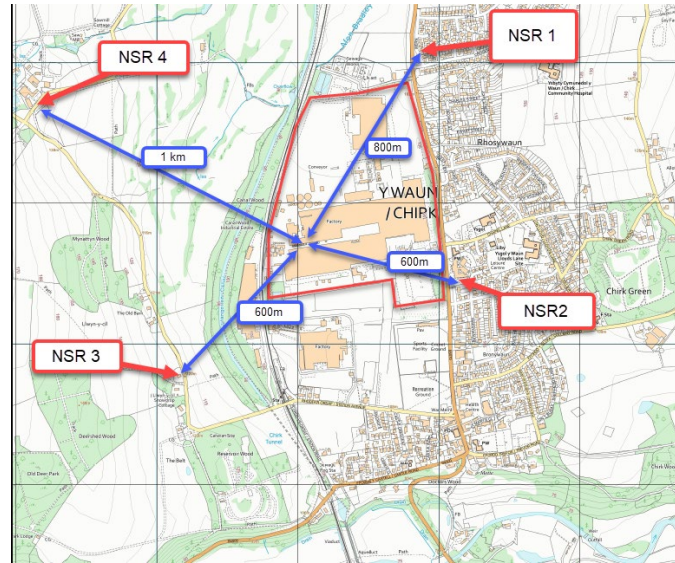


Figure 3.4.1: Assessment locations relative to main noise generating area

NSR	Location description	X (Easting), Y (Northing)
NSR 1	Residential location at 3 Wern approximately 800m NE of the main external plant area across flat urban terrain	328934, 339036
NSR 2	Maes-Y-Waun (assisted living residence) approximately 600m SE of the centre of the main external plant area across flat urban terrain	329065, 338220
NSR 3	Lwyn-y-cil road at residential property approximately 600m SW of the main external plant area up gently rising farm land	328091, 337894
NSR 4	New Hall Farm approximately 1km NW of the main external plant area up gently rising farmland	327619, 338875

Table 3.4: Assessment location details

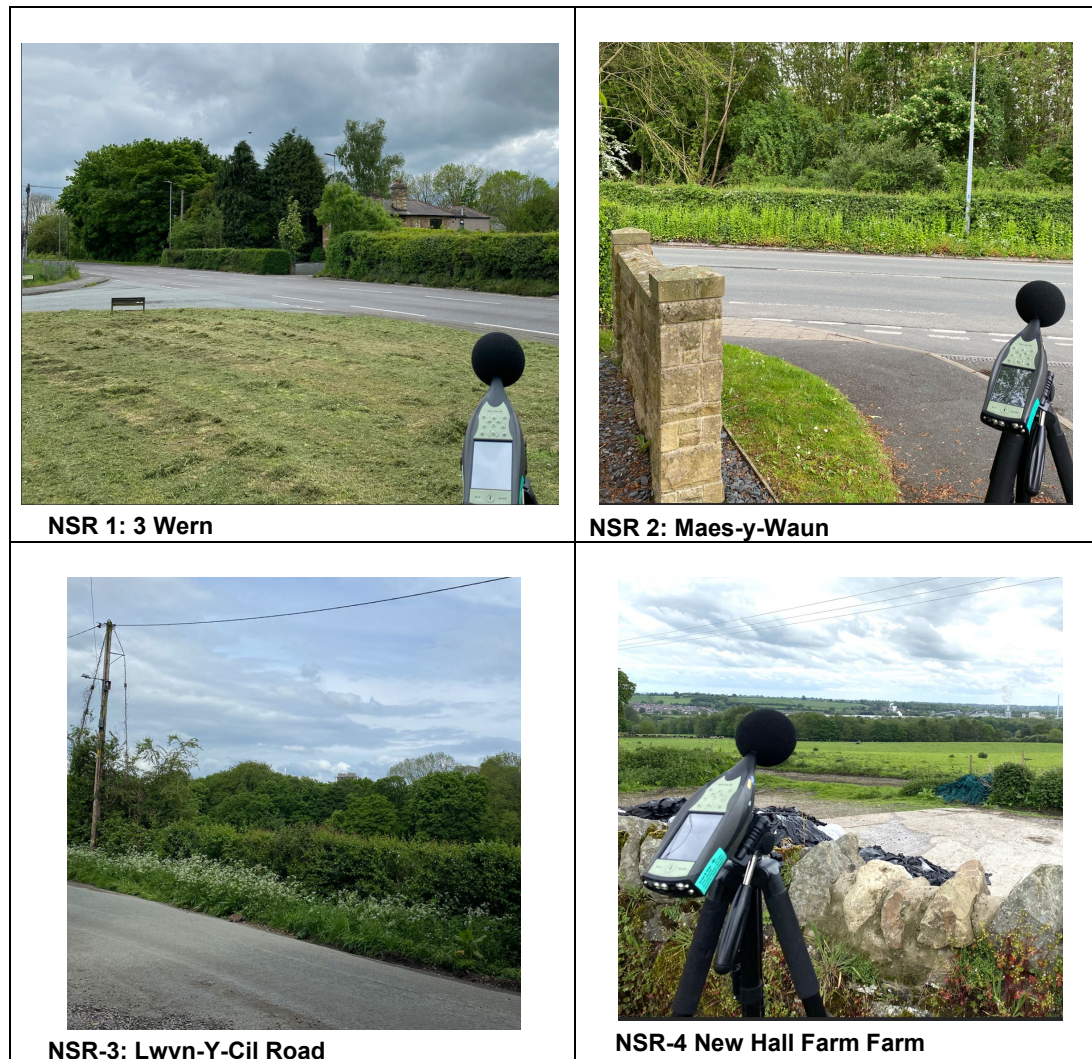


Figure 3.4.2: Measurement positions

3.5 INSTRUMENTATION

Instrumentation used during the survey was as follows:

- Brüel & Kjær Type 2250 Sound Level Meter s/n 3010857
- Brüel & Kjær Type 4189 Microphone s/n 3060877
- Brüel & Kjær Type 4231 Acoustic Calibrator s/n 2291483
- Tripod
- Skywatch Eole Handheld Wind Meter

The sound level meter was calibrated before and after the survey and calibration drift was <0.05 dB.

Calibration certificates are included in Appendix A.



3.6 MEASUREMENT RESULTS

Measurement results for the attended background noise measurements are detailed in Appendix B and summarised below.

Daytime

Measurement Location	$L_{A90,T}$ (mean)	Comments
NSR-1	56	Main road traffic. Vegetation noise. Birdsong. Pedestrian noise. Local traffic. Kronospan just audible during lulls in traffic noise.
NSR-2	52	Main road traffic. Birdsong. Tree noise. Lorries turning out of Kronospan. Distant reversing beeps from Kronospan. Occasional local cars from Chirk Court.
NSR-3	46	Distant noise from Kronospan including clanking, scraping, vehicles moving/reversing. Local noise birdsong, occasional traffic, distant train horn, vegetation, farm animals.
NSR-4	45	Distant noise from Kronospan, including clanking, scraping, vehicles moving/reversing. Local noise from occasional traffic, birdsong, vegetation and farm animals.

Table 3.6.1: Measured daytime background noise levels

Night-time

Measurement Location	$L_{A90,T}$ (mean)	
NSR-1	37	Kronospan vehicles reversing. Clanking. Very occasional main road traffic. Distant traffic from NE (A5).
NSR-2	38	Kronospan plant noise. Clanking. Very occasional local traffic on B5070. Faint plant noise from Chirk Court. Occasional lorries turning in/out heading North.
NSR-3	43	Kronospan plant audible. Metal clanking.
NSR-4	42	Kronospan plant audible. Metal clanking, possibly filter pulse cleaning.

Table 3.6.2: Measured night-time background noise levels

3.7 DISCUSSION OF RESULTS

3.7.1 Daytime

Daytime background ($L_{A90,T}$) noise levels are higher than night-time background noise levels at all locations, as would be expected due to the influence of daytime traffic.

The daytime levels are also higher at NSR-1 and NSR-2 than at NSR-3 and NSR-4, since NSR-1 and NSR-2 are close to busy roads, whereas NSR-3 and NSR-4 are on country roads with little traffic.



Although NSR-1 and NSR-2 are both close to the main road through Chirk, $L_{A90,T}$ levels at NSR-1 were higher and this is perhaps because at NSR-1 the area of road to which the meter was exposed was greater than at NSR-2 (and so exposed to each vehicle for longer). It may also be the case that traffic speeds and HGV traffic are greater at NSR-1 than at NSR-2.

Survey notes indicated that the most noticeable noises from the site were short-term or impulsive, which would not be expected to influence the $L_{A90,T}$ background noise level.

3.7.2 Night-time

The night-time mean background ($L_{A90,T}$) noise levels measured at NSR-1 and NSR-2 were very similar to each other at 37-38 dB.

Both of these locations are on the same road (B5070) and represent the closest residential properties to the East of the site.

Similarly, the night-time mean background ($L_{A90,T}$) average noise levels measured at NSR-3 and NSR-4 were very similar to each other at 42-43 dB.

The fact that noise levels at NSR-1 and NSR-2 were lower than at NSR-3 and NSR-4 may be in part due to the following:

- NSR-3 and NSR-4 are more exposed to distant road noise from the A5
- NSR-3 and NSR-4 are more exposed to vegetation noise
- NSR-1 and NSR-2 benefit more from acoustic screening from Kronospan warehousing
- NSR-3 and NSR-4 are more exposed to noise from the South West side of the Kronospan site
- NSR-3 and NSR-4 are more exposed to the unrelated industrial sites to the South West of the Kronospan site.

3.8 CONCLUSIONS FROM ATTENDED NOISE MEASUREMENTS

Whilst the attended noise measurements do not represent true background noise levels, the values in Tables 3.6.1 and 3.6.2 provide indicative levels pending additional survey data gathering (see section 4 below).

The values at NSR-1 were approximately 15 dB lower than those measured during normal operation (Ref. 4), suggesting that the partial shutdown had made a significant difference to the background noise levels at these positions.

At NSR-2, the values were approximately 7 dB lower than during normal operation, again a significant reduction which may be lower due to the residual noise from other local industries to the South and South East of the Kronospan site, and also due to the significant separation between NSR-1 and NSR-2 (approx. 800m).

The difference between operational and background noise at NSR-3 and NSR-4 (when comparing with operational results from Ref. 4) appears to be minimal, possibly due to the impact of other local industry, or the fact that any residual Kronospan equipment operating will tend to be located in the South West area of the site, where building structures will tend to reflect noise to the West. The rise in land height towards New Hall Farm also means it is afforded less ground effect attenuation from the site.



4. UNATTENDED EXTENDED NOISE SURVEY DURING PARTIAL SHUT-DOWN (NOV-DEC 2024)

4.1 SURVEY DATE

Continuous unattended noise measurements were taken over 18 days from 25/11/24 to 13/12/24 at 4 noise sensitive receptors (NSR). Additional monitoring was undertaken at NSR-2a and NSR-4 upto 17/12/24, although there was no associated weather data for them so they are used as indicative only.

4.2 PLANT OPERATING CONDITIONS

Due to the length of the measurement exercise, Kronospan prepared a detailed schedule of the operating and shut-down plant, and this is included in Appendix C for reference.

4.3 SURVEY WEATHER

Wind speed and direction as well as rainfall were measured at NSR-1 and NSR-3. Wind speed and direction data are shown in Appendix D.

4.4 MEASUREMENT LOCATIONS

Measurement locations for NSR-1, NSR-3 and NSR-4 were as shown in section 3.4 above. However, measurements adjacent to NSR-2 were not possible due to an open week at the assisted living residences, and an alternative location (NSR-2a) was identified in the rear garden of 11 Maes-Y-Waun, as shown below. Each noise logger was pole mounted at approximately 2m height except for NSR-2a where it was approximately 3m high to be above a garden fence obscuring line of sight to Kronospan.





Figure 4.4.1: Measurement locations

4.5 INSTRUMENTATION

Instrumentation used during the survey was as follows:

NSR-1

- Bruel & Kjaer Type 2250 Sound Level Meter s/n 2726905
- Bruel & Kjaer Type 4189 Microphone s/n 2710995
- Bruel & Kjaer Type 4231 Acoustic Calibrator s/n 2730220

NSR-2a

- Bruel & Kjaer Type 2250 Sound Level Meter s/n 3023840
- Bruel & Kjaer Type 4189 Microphone s/n 3130623
- Bruel & Kjaer Type 4231 Acoustic Calibrator s/n 3030524

NSR-3

- Bruel & Kjaer Type 2250 Sound Level Meter s/n 3010857
- Bruel & Kjaer Type 4189 Microphone s/n 3060877
- Bruel & Kjaer Type 4231 Acoustic Calibrator s/n 2291483

NSR-4

- Bruel & Kjaer Type 2250 Sound Level Meter s/n 3024396
- Bruel & Kjaer Type 4189 Microphone s/n 3349664
- Bruel & Kjaer Type 4231 Acoustic Calibrator s/n 3021281
- Vaisala Weather Transmitter
- Scarlet Tech anemometer

The sound level meters were calibrated before and after the survey and calibration drift was <0.5 dB.

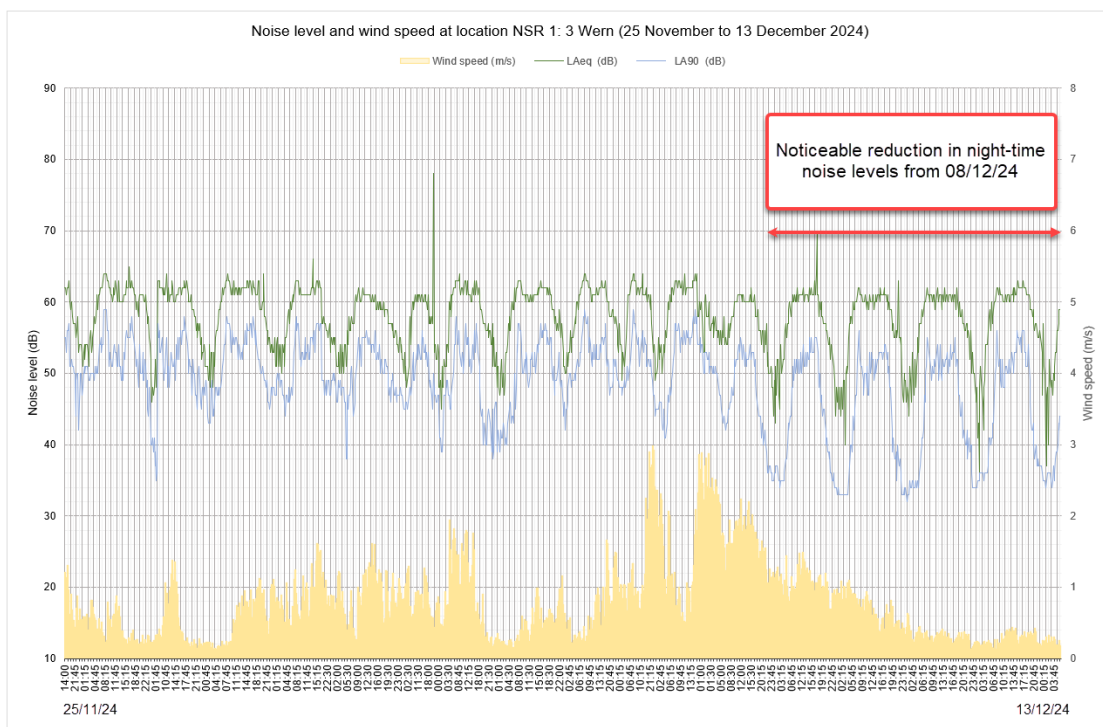
Calibration certificates are included in Appendix A.

The meter at NSR-3 was found to be dislodged upon collection, however the microphone was still oriented towards the plant without obstruction, so the noise data has been considered as valid whilst the anemometer data rejected.

4.6 MEASUREMENT RESULTS

Measurement results are shown graphically for each location below in order to highlight any visible trends. Data points with mean wind speeds over 3.5m/s or rainfall (and up-to 1 hr following rainfall)has been discarded.

4.6.1 NSR-1: 3 Wern



The graph above shows how background noise levels ($L_{A90,T}$) decrease significantly after 08/12/24. This may have been due to a combination of the following:

- The wind direction became more Northerly, which would tend to locate the measurement position upwind of the Kronospan site (see Appendix D) and
- The Chipboard Plant was shutdown for night periods after 10/12/24 (see Appendix C).

When the data before 23:00hrs on 08/12/24 is excluded, the results are as follows:

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	61	53	73
Mean	60	49	73
Mean - 1 s.d.	57	43	-
Log Average	60	-	-

Table 2: Daytime period (07:00 to 23:00)

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	48	35	69/70
Mean	51	36	69
Mean - 1 s.d.	46	33	-
Log Average	54	-	-

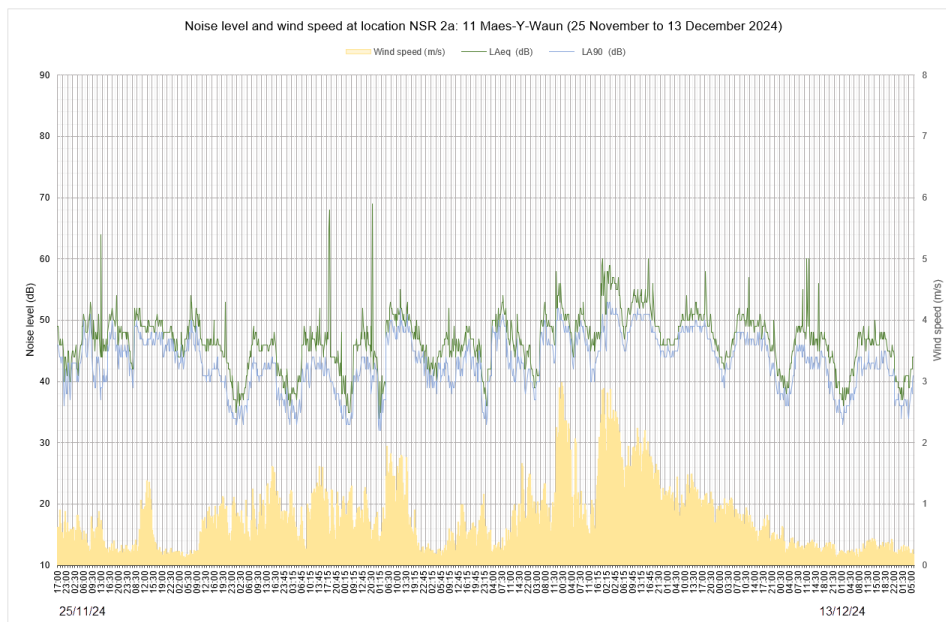
Table 4: Night-time period (23:00 to 07:00)

Whilst these conditions do not represent a true background noise level (i.e. without the Kronospan plant operating at all), they do represent a situation where the influence of noise from Kronospan is significantly reduced.

Daytime noise levels, including the background noise level, appear to be dominated by traffic noise, as might be expected. However, the night-time noise levels are much lower and unlikely to be affected by traffic. They also show good correlation with the attended measurement data in Table 3.6.2.

The above indicate a night-time background noise level, without the influence of the Kronospan site, of approximately 36 dB $L_{A90,T}$. The daytime background noise level is dominated by traffic noise with a background noise level of approximately 49 dB $L_{A90,T}$.

4.6.2 NSR-2a: 11 Maes-Y-Waun



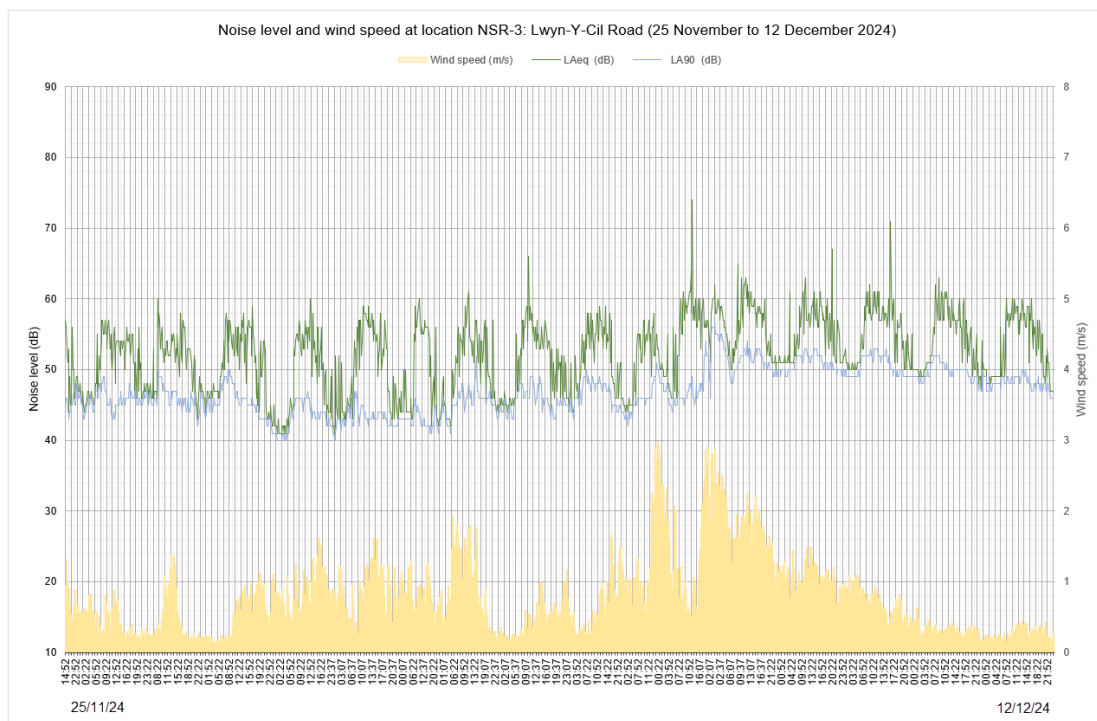
The Maes-Y-

Waun position (NSR-2a) is partially screened from the B5070 and so the daytime background noise level measured there would be expected to be lower than that of residences on the B5070 due to the influence of daytime traffic.

However, for night-time noise levels, the reduced traffic would have a much lower influence on background noise levels, and the partial screening towards the Kronospan site would tend to reduce the impact of residual noise from the site.

Despite the reduced exposure to the Kronospan site at NSR-2a, the modal value of the $L_{A90,T}$ was 37 dB, which was close to the mean level at NSR-2 during the attended measurements (38 dB) from Table 3.6.2, and this provides an indicative night-time background level whilst daytime levels (influenced by traffic) could be based on NSR-2 attended data.

4.6.3 NSR-3 Lwyn-Y-Cil Road



Background noise levels increased at NSE-3 following the period of high wind speeds between 06/12/24 and 08/12/24. The increase in levels may have been due to the change in wind direction (see Appendix D) and it was noted upon collection that the meter position had moved, placing it closer to vegetation and the road. In view of this, measurements beyond 06/12/24 have been removed from the data analysis below.

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	54	46	75
Mean	53	45	73
Mean - 1 s.d.	49	44	-
Log Average	54	-	-

Table 2: Daytime period (07:00 to 23:00)

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	46	45	50
Mean	46	44	55
Mean - 1 s.d.	43	42	-
Log Average	47	-	-

Table 4: Night-time period (23:00 to 07:00)

The tables above show that $L_{A90,T}$ noise levels at this location were very stable and also that they varied little between day and night.



Further to the above, they were very similar to the operational noise measurements at this position undertaken by Spectrum in January 2024.

The similarity between the results could be for the following reasons:

- The Kronospan equipment that was shutdown during the measurements was not significant at this location and residual operating Kronospan equipment was the dominant noise source
- The noise level was dominated by other non-Kronospan sources (e.g. other industrial sources to the South West of the Kronospan site and/or distant traffic)

The main noise generating area of the Kronospan site is at the South West of the site, and noise from that area will to a degree be reflected in the direction of NSR-3 by the site buildings and warehouses (see Figure 4.6.3 below), whilst being shielded towards the East at NSR-2a. Also, both NSR3 and NSR-2a are similar distances from the un-related plant to the South.

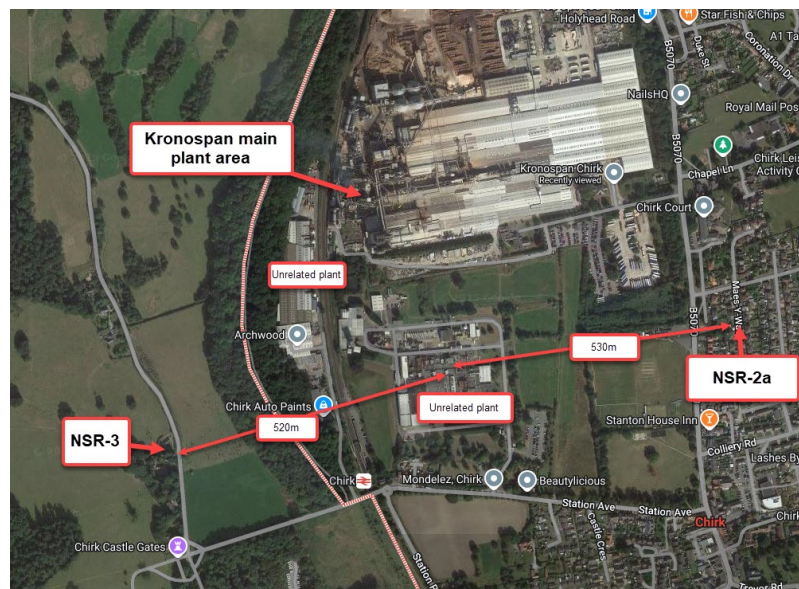


Figure 4.6.3: Relative distances

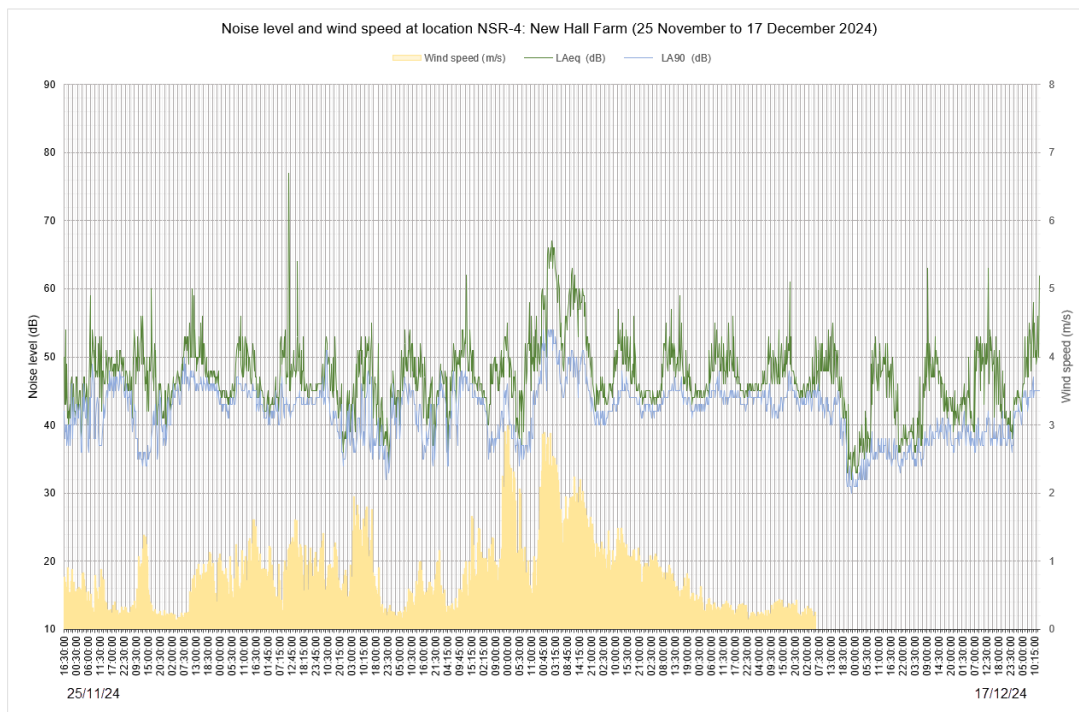
In view of the above, and in lieu of true background noise levels, it may therefore be reasonable to assume that the night-time background noise levels at NSR-3 would be similar to those at NSR-2a if the Kronospan plant were not operating.

This would give a typical $L_{A90,T}$ background level of approximately 37 dB.

A reasonable estimate for the daytime $L_{A90,T}$ background level might be 40 dB, to allow for the increased influence of distant traffic.

4.6.4 NSR-4: New Hall Farm

The mean background $L_{A90,T}$ levels measured at NSR-4 are shown below. Unfortunately weather data was not obtained towards the end of the survey (14-17th), however the noise data has been included since the background $L_{A90,T}$ noise levels noticeably reduced during this period.



Analysis over the full period gives the following results:

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	50	44	67
Mean	49	43	67
Mean - 1 s.d.	44	40	-
Log Average	53	-	-

Table 2: Daytime period (07:00 to 23:00)

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	45	43	56
Mean	46	43	60
Mean - 1 s.d.	41	39	-
Log Average	52	-	-

Table 4: Night-time period (23:00 to 07:00)

The above results are in fact very similar to the measured fully operational results from the same location (Ref. 4).

In view of this, the analysis was repeated for the period from 14/12/24 – 17/12/24 (the period during which measured levels significantly reduced), and the results are given below.



Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	49	38	67
Mean	47	38	67
Mean - 1 s.d.	42	36	-
Log Average	50	-	-

Table 2: Daytime period (07:00 to 23:00)

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Lowest Mode	38	35	55
Mean	41	37	55
Mean - 1 s.d.	37	34	-
Log Average	43	-	-

Table 4: Night-time period (23:00 to 07:00)

The results obtained from the reduced data set appear to be more as would be expected with a partial shutdown, and also tie in with the background $L_{A90,T}$ levels that have been measured or derived at the other measurement positions.

The reduction in noise levels may have been due to a reduction in site activity, a change in wind direction, or indeed a combination of factors.

However, since the Kronospan site is generally audible at that location, it is reasonable to expect levels to decrease when the Kronospan site is not fully operational.

Hence, it is proposed to use the lower levels as indicative of the background noise level in lieu of additional data.

It is therefore proposed that the daytime and night-time background $L_{A90,T}$ may be estimated as 38 dB and 36 dB respectively at NSR-4.

5. DISCUSSION OF RESULTS

Attended and unattended noise measurements have been taken during two partial shutdowns at the Kronospan Chirk plant.

The size of the plant and the fact that it does not normally fully shutdown means that measurements with no equipment operating are not generally possible. The partial nature of the shutdowns may also mean that noise levels at some noise sensitive receptors are affected more than at others, and the large distances involved means that changes in wind direction can influence levels significantly.

This report has aimed to take account of both plant operating conditions and wind direction changes in order to estimate the background noise levels ($L_{A90,T}$) that might be expected at each location with the Kronospan plant fully shutdown. They are not, however, intended to be definitive and it is expected that they may be supplemented with additional data as opportunities arise to obtain it in the future.

The estimated background ($L_{A90,T}$) levels that have been derived and proposed are given below.



NSR	Estimated Background Noise Level without Kronospan plant operating $L_{A90,T}$		Comment
	Daytime	Night-time	
NSR-1	49	36	Based on attended and unattended measurements during partial shutdowns. Local traffic noise dominant during day.
NSR-2	52	37	Based on attended and unattended measurements during partial shutdowns. Local traffic noise dominant during day.
NSR-3	40	37	Based on attended and unattended measurements during partial shutdowns.
NSR-4	38	36	Based on attended and unattended measurements during partial shutdowns.

Table 5.1: Estimated background noise levels at NSR

6. CONCLUSIONS

Background $L_{A90,T}$ noise levels have been estimated at 4 noise sensitive receptors around the Kronospan Chirk plant.

The estimates have been based on measured noise levels during partial shutdowns and have also made use of upwind measurement conditions.

The derived levels are not intended to be definitive, and it is recommended that supplementary noise data should be obtained when the opportunity arises.

In lieu of additional data, it is intended that the derived background levels might be used for design purposes (e.g. for new plant) and to inform noise impact assessments associated with the Chirk site.

A P P E N D I X A

Instrumentation calibration certificates

CERTIFICATE OF CALIBRATION

No: CDK2301077

Page 1 of 12

CALIBRATION OF

Sound Level Meter:	Brüel & Kjær Type 2250	No: 3010857	Id: -
Microphone:	Brüel & Kjær Type 4189	No: 3060877	
PreAmplifier:	Brüel & Kjær Type ZC-0032	No: 25313	
Calibrator:	Brüel & Kjær Type 4231	No: 2291483	
Software version:	BZ7225 Version 4.7.5	Pattern Approval:	PTBDE-16-M-PTB-0038 Rev 2 / DE-16-M-PTB-0039 Rev 2
Instruction manual:	BE1712-22		

CUSTOMER

Spectrum Acoustics
27-29 High Street
SG18 0JE Biggleswade
Bedfordshire, United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: *See actual values in **Environmental conditions** sections.*

SPECIFICATIONS

The Sound Level Meter Brüel & Kjær Type 2250 has been calibrated in accordance with the requirements as specified in IEC 61672-1:2013 class 1. Procedures from IEC 61672-3:2013 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure B&K proc 2250, 4189 (IEC 61672:2013).

RESULTS

Calibration Mode: **Calibration as received.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2023-02-13

Date of issue: 2023-02-14



Sylvia Wu Andersen
Calibration Technician



Erik Bruus
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2401386

Page 1 of 6

CALIBRATION OF

Calibrator: Brüel & Kjær Type 4231 No: 2291483 Id: -
Acoustical Adaptor: Brüel & Kjær Type UC-0210 (1/2" Adaptor)
Pattern Approval: None

CUSTOMER

Spectrum Acoustics
27-29 High Street
SG18 0JE Biggleswade
Bedfordshire, United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** section.

SPECIFICATIONS

The Calibrator Brüel & Kjær Type 4231 has been calibrated in accordance with the requirements as specified in IEC 60942:2017 Annex B - Microphone method. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Calibrator Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure P_4231_4180_M01.

RESULTS

Calibration Mode: **Calibration as received.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2024-02-27

Date of issue: 2024-02-27



Sylvia Wu Andersen
Calibration Technician



Jesper Bo Vedel
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2305989

Page 1 of 12

CALIBRATION OF

Sound Level Meter:	Brüel & Kjær Type 2250	No: 2726905	Id: -
Microphone:	Brüel & Kjær Type 4189	No: 2710995	
PreAmplifier:	Brüel & Kjær Type ZC-0032	No: 25998	
Calibrator:	Brüel & Kjær Type 4231	No: 2730220	
Software version:	BZ7225 Version 4.7.6	Pattern Approval:	-
Instruction manual:	BE1712-22		

CUSTOMER

Spectrum Acoustics
27-29 High Street
SG18 0JE Biggleswade
Bedfordshire, United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** sections.

SPECIFICATIONS

The Sound Level Meter Brüel & Kjær Type 2250 has been calibrated in accordance with the requirements as specified in IEC 61672-1:2013 class 1. Procedures from IEC 61672-3:2013 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure B&K proc 2250, 4189 (IEC 61672:2013).

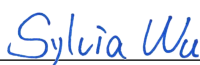
RESULTS

Calibration Mode: **Calibration as received.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2023-08-11

Date of issue: 2023-08-14



Sylvia Wu Andersen
Calibration Technician



Morten Høngård Hansen
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2405291

Page 1 of 6

CALIBRATION OF

Calibrator: Brüel & Kjær Type 4231 No: 2730220
Acoustical Adaptor: Brüel & Kjær Type UC-0210 (1/2" Adaptor) No: -
Pattern Approval: None

CUSTOMER

Spectrum Acoustics
27-29 High Street
SG18 0JE Biggleswade
Bedfordshire, United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** section.

SPECIFICATIONS

The Calibrator Brüel & Kjær Type 4231 has been calibrated in accordance with the requirements as specified in IEC 60942:2017 Annex B - Microphone method. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Calibrator Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure P_4231_4180_M_LS_A01.

RESULTS

Calibration Mode: **Calibration as received.**

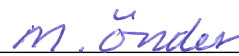
The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2024-08-08

Date of issue: 2024-08-09



Sylvia Wu Andersen
Calibration Technician



Mikail Önder
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2400523

Page 1 of 12

CALIBRATION OF

Sound Level Meter:	Brüel & Kjær Type 2250	No: 3023840 Id: -
Microphone:	Brüel & Kjær Type 4189	No: 3130623
PreAmplifier:	Brüel & Kjær Type ZC-0032	No: 26776
Calibrator:	None	
Software version:	BZ7222 Version 4.7.6	Pattern Approval: -
Instruction manual:	BE1712-22	

CUSTOMER

Spectrum Acoustics
27-29 High Street
SG18 0JE Biggleswade
Bedfordshire, United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** sections.

SPECIFICATIONS

The Sound Level Meter Brüel & Kjær Type 2250 has been calibrated in accordance with the requirements as specified in IEC 61672-1:2013 class 1. Procedures from IEC 61672-3:2013 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 9.0 - DB: 9.00) by using procedure B&K proc 2250, 4189 (IEC 61672:2013).


RESULTS

Calibration Mode: **Calibration as received.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2024-01-24

Date of issue: 2024-01-24


Lene Petersen
Calibration Technician


Erik Bruus
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2404810

Page 1 of 6

CALIBRATION OF

Calibrator: Brüel & Kjær Type 4231 No: 3030524 Id: -
Acoustical Adaptor: Brüel & Kjær Type UC-0210 (1/2" Adaptor)
Pattern Approval: DE-21-M-PTB-0029

CUSTOMER

Spectrum Acoustics
27-29 High Street
SG18 0JE Biggleswade
Bedfordshire, United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** section.

SPECIFICATIONS

The Calibrator Brüel & Kjær Type 4231 has been calibrated in accordance with the requirements as specified in IEC 60942:2017 Annex B - Microphone method. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Calibrator Calibration System 3630 with application software type 7763 (version 8.6 - DB: 8.60) by using procedure P_4231_4180_M_1_A01.

RESULTS

Calibration Mode: **Calibration after repair/adjustment.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2024-07-23

Date of issue: 2024-07-23



Sylvia Wu Andersen
Calibration Technician



Nicki Eriksen
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2406411

Page 1 of 12

CALIBRATION OF

Sound Level Meter:	Brüel & Kjær Type 2250	No: 3024396 Id: -
Microphone:	Brüel & Kjær Type 4189	No: 3349664
PreAmplifier:	Brüel & Kjær Type ZC-0032	No: 28474
Calibrator:	Brüel & Kjær Type 4231	No: 3021281
Software version:	BZ7225 Version 4.7.6	Pattern Approval: -
Instruction manual:	BE1712-22	

CUSTOMER

Spectrum Acoustic Consultants Ltd
27-29 High Street
SG18 0JE Biggleswade
United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** sections.

SPECIFICATIONS

The Sound Level Meter Brüel & Kjær Type 2250 has been calibrated in accordance with the requirements as specified in IEC 61672-1:2013 class 1. Procedures from IEC 61672-3:2013 were used to perform the periodic tests. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Sound Level Meter Calibration System 3630 with application software type 7763 (version 9.1 - DB: 9.10) by using procedure B&K proc 2250, 4189 (IEC 61672:2013).

RESULTS

Calibration Mode: **Calibration as received.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2024-10-25

Date of issue: 2024-10-25



Jeannie Gerd Nielsen
Calibration Technician



Jesper Bo Vedel
Approved Signatory

CERTIFICATE OF CALIBRATION

No: CDK2406387

Page 1 of 6

CALIBRATION OF

Calibrator: Brüel & Kjær Type 4231 No: 3021281 Id: -
Acoustical Adaptor: Brüel & Kjær Type UC-0210 (1/2" Adaptor)
Pattern Approval: None

CUSTOMER

Spectrum Acoustic Consultants Ltd
27-29 High Street
SG18 0JE Biggleswade
United Kingdom

CALIBRATION CONDITIONS

Preconditioning: 4 hours at $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$
Environment conditions: See actual values in **Environmental conditions** section.

SPECIFICATIONS

The Calibrator Brüel & Kjær Type 4231 has been calibrated in accordance with the requirements as specified in IEC 60942:2017 Annex B - Microphone method. The accreditation assures the traceability to the international units system SI.

PROCEDURE

The measurements have been performed with the assistance of Brüel & Kjær Calibrator Calibration System 3630 with application software type 7763 (version 9.1 - DB: 9.10) by using procedure P_4231_4180_M_LS_A01.

RESULTS

Calibration Mode: **Calibration as received.**

The reported expanded uncertainty is based on the standard uncertainty multiplied by a coverage factor $k = 2$ providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from the standards, calibration method, effect of environmental conditions and any short time contribution from the device(s) under calibration. The results are only applicable for the specific device(s) listed above.

Date of calibration: 2024-10-24

Date of issue: 2024-10-24



Sylvia Wu Andersen
Calibration Technician



Susanne Jørgensen
Approved Signatory

A P P E N D I X B

Measured noise data from attended survey on 14-15th March 2024

Environmental Noise Record Sheet



Project:	Kronospan NIA
Project number:	23241
Date:	14/05/23

Noise monitoring location:	NSR 1: Between two hedges, 30m from 3 Wren
Plant operating condition:	MDF 1 & 2, Chipper & K7 shutdown (13-16th May)
Instrumentation:	2250-6
Calibration times:	13.50, 16.40, 00.00, 02.40

Date/time			Weather			Noise Level (dB)						Comments
Date	Start time	Duration (min:sec)	Wind speed (m/s)	Wind direction	Cloud (%)	LAF10.0	LAF50.0	LAF90.0	LAFmax	LAFmin	LAeq	(Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
14/05/24	15:28	05:00	3-4	SE	100	67	61	54	75	47	63	Main road traffic. Vegetation noise. Birdsong. Pedestrian noise. Local traffic.
14/05/24	15:33	05:00	3-4	SE	100	67	62	55	75	47	64	Kronospan just audible during lulls in traffic noise.
14/05/24	15:38	05:00	3-4	SE	100	68	64	57	75	48	65	As above.
14/05/24	15:43	05:00	3-4	SE	100	68	63	55	84	49	65	As above.
14/05/24	15:48	05:00	3-4	SE	100	68	63	58	80	52	65	As above.
14/05/24	15:53	05:00	3-4	SE	100	68	64	57	77	53	65	As above.
15/05/24	01:27	05:00	0-1	SE	100	48	38	37	62	36	46	Kronospan vehicles reversing. Clanking. Very occasional main road traffic.
15/05/24	01:32	05:00	0-1	SE	100	39	38	37	44	36	38	Distant traffic from NE (A5).
15/05/24	01:37	05:00	0-1	SE	100	40	38	37	69	36	48	As above.
15/05/24	01:42	05:00	0-1	SE	100	39	38	37	44	36	38	As above.
15/05/24	01:47	05:00	0-1	SE	100	44	38	37	63	36	44	As above.
15/05/24	01:52	05:00	0-1	SE	100	40	37	37	72	36	51	As above.

Environmental Noise Record Sheet



Project:	Kronospan NIA
Project number:	23241
Date:	14/05/24

Noise monitoring location:	NSR 2: Southern corner of Maes-Y-Waun and B5070, next to Chirk Court sign
Plant operating condition:	MDF 1 & 2, Chipper & K7 shutdown (13-16th May)
Instrumentation:	2250-6
Calibration times:	13.50, 16.40, 00.00, 02.40

	Date/time			Weather		Noise Level (dB)						Comments
Date	Start time	Duration (min:sec)	Wind speed (m/s)	Wind direction	Cloud (%)	LAF10.0	LAF50.0	LAF90.0	LAFmax	LAFmin	LAeq	(Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
14/05/24	16:07	05:00	2-3	SE	100	68	63	52	72	47	64	Main road traffic. Birdsong. Tree noise. Lorries turning out of Kronospan. Distant reversing beeps from Kronospan. Occasional local cars from Chirk Court.
14/05/24	16:12	05:00	2-3	SE	100	66	61	52	72	46	63	
14/05/24	16:17	05:00	2-3	SE	100	68	61	51	73	48	64	As above.
14/05/24	16:22	05:00	2-3	SE	100	68	60	51	73	47	63	As above.
14/05/24	16:27	05:00	2-3	SE	100	67	61	53	74	48	63	As above.
14/05/24	16:32	05:00	2-3	SE	100	67	62	54	75	48	64	As above.
15/05/24	02:05	05:00	0-1	SE	100	41	39	38	60	37	40	Kronospan plant noise. Clanking. Very occasional local traffic on B5070.
15/05/24	02:10	05:00	0-1	SE	100	45	40	39	73	38	52	Faint plant noise from Chirk Court.Occasional lorries turning in/out heading North.
15/05/24	02:15	05:00	0-1	SE	100	41	39	37	47	36	39	As above.
15/05/24	02:20	05:00	0-1	SE	100	41	39	38	47	37	39	As above.
15/05/24	02:25	05:00	0-1	SE	100	46	39	37	75	36	52	As above.
15/05/24	02:30	05:00	0-1	SE	100	43	40	39	51	37	41	As above.

Environmental Noise Record Sheet



Project:	Kronospan NIA
Project number:	23241
Date:	14/05/24

Noise monitoring location:	NSR 3: Corner of driveway of Snowdrop Cottage
Plant operating condition:	MDF 1 & 2, Chipper & K7 shutdown (13-16th May)
Instrumentation:	2250-6
Calibration times:	13.50, 16.40, 00.00, 02.40

Date/time			Weather			Noise Level (dB)						Comments
Date	Start time	Duration (min:sec)	Wind speed (m/s)	Wind direction	Cloud (%)	LAF10.0	LAF50.0	LAF90.0	LAFmax	LAFmin	LAEq	(Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
14/05/24	14:45	05:00	1-2	SE	90	49	46	45	63	43	47	Distant noise from Kronospan including clanking, scraping, vehicles moving/reversing.
14/05/24	14:50	05:00	1-2	SE	90	55	46	44	89	42	64	Distant noise from Kronospan including clanking, scraping, vehicles moving/reversing.
14/05/24	14:55	05:00	1-2	SE	90	52	46	45	71	43	52	Local noise birdsong, occasional traffic, distant train horn, vegetation, farm animals.
14/05/24	15:00	05:00	1-2	SE	90	50	46	45	69	43	51	Distant traffic noise.
14/05/24	15:05	05:00	1-2	SE	90	50	46	45	73	43	55	As above.
14/05/24	15:10	05:00	1-2	SE	90	51	47	45	76	44	56	As above.
15/05/24	00:44	05:00	0-1	SE	100	45	44	43	54	42	44	Kronospan plant audible. Metal clanking.
15/05/24	00:49	05:00	0-1	SE	100	45	44	43	51	41	44	As above.
15/05/24	00:54	05:00	0-1	SE	100	45	44	43	53	42	44	As above.
15/05/24	00:59	05:00	0-1	SE	100	45	44	43	55	41	44	As above.
15/05/24	01:04	05:00	0-1	SE	100	45	44	43	53	42	44	As above.
15/05/24	01:09	05:00	0-1	SE	100	45	44	43	53	42	44	As above.

Environmental Noise Record Sheet



Project:	Kronospan NIA
Project number:	23241
Date:	14/05/24

Noise monitoring location:	NSR 4: Opposite New Hall Farm, in front of North/East metal gate
Plant operating condition:	MDF 1 & 2, Chipper & K7 shutdown (13-16th May)
Instrumentation:	2250-6
Calibration times:	13.50, 16.40, 00.00, 02.40

Date/time			Weather			Noise Level (dB)						Comments
Date	Start time	Duration (min:sec)	Wind speed (m/s)	Wind direction	Cloud (%)	LAF10.0	LAF50.0	LAF90.0	LAFmax	LAFmin	LAEq	(Including description of noise (eg whine, hiss, rumble, impact, vehicle rain, vegetation, or animal noise))
14/05/24	14:04	05:00	2-3	SE	100	49	46	45	69	43	51	Distant noise from Kronospan including clanking, scraping, vehicles moving/reversing.
14/05/24	14:09	05:00	2-3	SE	100	49	46	44	68	42	49	Local noise from occasional traffic, birdsong, vegetation and farm animals.
14/05/24	14:14	05:00	2-3	SE	100	55	48	45	71	43	53	As above.
14/05/24	14:19	05:00	2-3	SE	100	50	46	45	70	44	53	As above.
14/05/24	14:24	05:00	2-3	SE	100	49	47	45	69	44	51	As above.
14/05/24	14:29	05:00	2-3	SE	100	50	47	45	68	43	50	As above.
15/05/24	00:04	05:00	0-1	SE	100	46	44	43	58	41	44	Kronospan plant audible. Metal clanking, filter pulse cleaning.
15/05/24	00:09	05:00	0-1	SE	100	46	44	42	55	40	44	As above.
15/05/24	00:14	05:00	0-1	SE	100	45	43	42	55	40	44	As above.
15/05/24	00:19	05:00	0-1	SE	100	46	44	42	53	40	44	As above.
15/05/24	00:24	05:00	0-1	SE	100	45	43	42	55	41	44	As above.
15/05/24	00:29	05:00	0-1	SE	100	47	45	43	57	42	45	As above.

A P P E N D I X C

Plant operation during partial shut-down Nov-Dec 2024

Plant off

Chipboard	25/11/2024	26/11/2024	27/11/2024	28/11/2024	29/11/2024	30/11/2024	01/12/2024	02/12/2024	03/12/2024	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024	15/12/2024	16/12/2024	17/12/2024
Starting at 6am	06:00 - 09:50	06:00 - 06:16 06:18 - 06:27 06:29 - 06:36		06:00 - 06:53 06:53 - 07:33	06:00 - 07:01 07:01 - 07:01 07:33 - 07:47				06:00 - 08:13			06:00 - 06:29 06:29 - 06:51	06:00 - 06:15 06:15 - 06:30	06:00 - 06:01 09:13 - 09:20	06:00 - 06:13								
	09:50 - 09:55	07:01 - 08:15 08:24 - 08:32			08:27 - 08:27 09:07 - 09:08			06:29 - 06:41	11:10 - 11:20 11:20 - 11:31	06:00 - 12:16	06:13 - 06:31	10:09 - 10:09 10:10 - 10:17	06:35 - 06:38 06:40 - 06:47	09:20 - 10:27 10:39 - 10:40	06:13 - 06:19	06:00 - 09:14							
	10:18 - 10:22	12:49 - 13:24 13:28 - 13:48	07:50 - 08:15	12:30 - 12:37	09:59 - 10:00 10:00 - 10:23	08:36 - 13:54		10:23 - 11:51	15:00 - 15:11 15:12 - 15:18			13:58 - 14:16	07:52 - 09:44 11:07 - 11:32	16:26 - 16:30	06:31 - 07:05		06:00 - 18:00	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00
	14:57 - 16:01	14:41 - 14:55 15:00 - 15:05		13:14 - 14:25 13:32 - 13:33	11:03 - 11:59 13:32 - 13:33		13:31 - 13:38	11:51 - 13:34	16:55 - 16:56	12:16 - 12:16		14:33 - 15:18	12:23 - 13:17	16:33 - 16:47		09:14 - 09:35							
	16:28 - 17:43	15:10 - 15:42 16:51 - 17:31	15:40 - 16:17	14:46 - 17:06	15:15 - 15:17 15:59 - 15:59	14:02 - 14:20	17:16 - 17:20	13:40 - 13:50	16:57 - 17:03		15:16 - 15:45 17:00 - 17:11	15:21 - 15:34 15:35 - 16:57	13:25 - 13:26 17:44 - 17:45	17:00 - 17:01	07:11 - 07:20 08:59 - 10:35								
	17:43 - 18:00	17:41 - 18:00	16:17 - 18:00	17:45 - 18:00	16:00 - 16:10 16:10 - 18:00	14:20 - 18:00	17:20 - 18:00	13:50 - 18:00	17:53 - 17:53 17:53 - 18:00	12:16 - 18:00		15:49 - 15:50 17:11 - 18:00	15:35 - 16:57 16:57 - 18:00	17:44 - 17:45 17:45 - 18:00	08:59 - 10:35 10:35 - 18:00	13:20 - 18:00							
Shift Change at 6pm	18:00 - 20:01		18:00 - 21:13 21:13 - 22:30	18:00 - 18:03 19:21 - 19:29	18:00 - 18:05 23:15 - 01:28	18:00 - 18:01 18:01 - 18:01		18:00 - 20:23	18:00 - 01:03 18:02 - 18:16	18:00 - 18:02 18:15 - 18:27	18:00 - 18:15 18:00 - 19:14		18:00 - 20:30 20:30 - 21:07	18:00 - 19:44 19:44 - 19:56	18:00 - 00:45								
	20:01 - 20:07	18:00 - 05:14	02:13 - 02:14 02:18 - 02:20	01:48 - 02:02 03:52 - 03:52	01:48 - 02:02 05:12 - 05:12	18:05 - 18:12 18:12 - 05:12	02:56 - 03:12 18:40 - 18:46		01:03 - 01:04 18:16 - 18:29	18:37 - 18:38 18:57 - 19:00	21:54 - 21:55 00:13 - 00:13		21:54 - 21:55 00:13 - 00:13	00:45 - 00:45		18:00 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	
	21:17 - 21:38		02:51 - 05:51 03:55 - 03:59	03:55 - 03:59 19:55 - 19:56	03:58 - 04:12 04:16 - 04:16	19:26 - 19:27 19:48 - 19:48	20:23 - 20:39 01:06 - 01:20		19:31 - 19:35 00:27 - 00:37	20:15 - 20:17 21:44 - 21:52	21:58 - 22:02 22:08 - 22:12		21:58 - 22:02 22:08 - 22:12	00:45 - 00:45		18:00 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	
	04:42 - 05:07		05:53 - 05:58 05:14 - 06:00	04:53 - 04:55	04:38 - 04:38 05:10 - 05:11	20:30 - 20:40 20:40 - 20:51		04:13 - 04:16 20:39 - 06:00	04:13 - 04:16 04:29 - 04:30	23:02 - 23:08 23:30 - 23:40	02:11 - 02:11 23:22 - 01:22		03:44 - 05:10 23:22 - 01:22	00:48 - 00:58		18:00 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	
	05:44 - 06:00		05:58 - 06:00 05:14 - 06:00	04:55 - 06:00	19:56 - 06:00 05:11 - 06:00	05:11 - 06:00 05:14 - 06:00		04:16 - 06:00 05:14 - 06:00	04:16 - 06:00 04:30 - 06:00	02:57 - 06:00 02:57 - 06:00	02:11 - 06:00 04:40 - 06:00		05:10 - 06:00 00:58 - 06:00	00:58 - 06:00		18:00 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	



MDF 1 Production Production

Plant on

Plant off

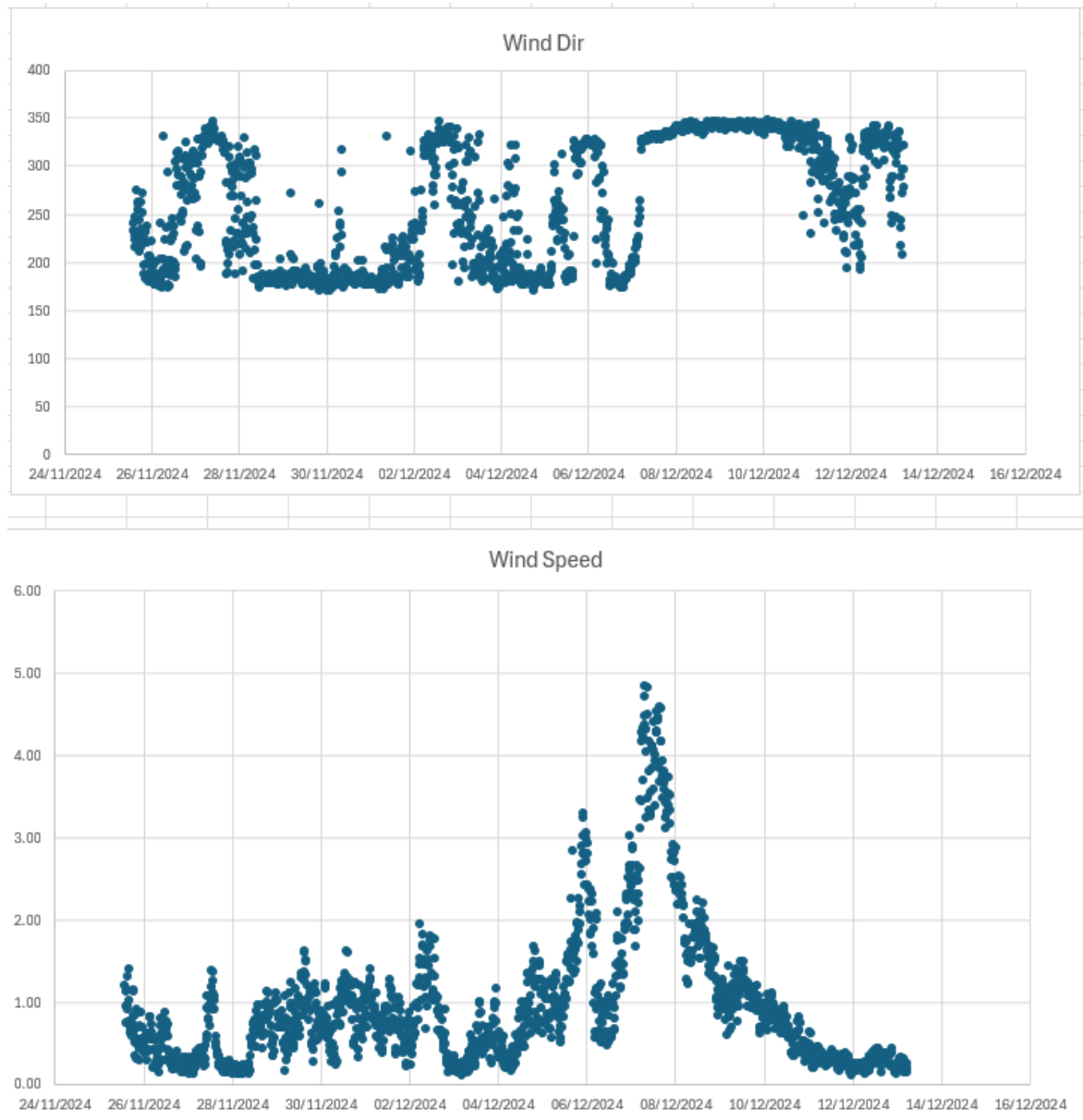
MDF 1	25/11/2024	26/11/2024	27/11/2024	28/11/2024	29/11/2024	30/11/2024	01/12/2024	02/12/2024	03/12/2024	04/12/2024	05/12/2024	06/12/2024	07/12/2024	08/12/2024	09/12/2024	10/12/2024	11/12/2024	12/12/2024	13/12/2024	14/12/2024	15/12/2024	16/12/2024	17/12/2024
Starting at 6am	06:00 - 06:50																						
	06:55 - 07:16						06:00 - 08:28	06:00 - 11:27	06:00 - 14:03		06:00 - 07:30		06:00 - 07:54	06:00 - 10:06	06:00 - 07:40	06:00 - 10:13	11:06 - 11:44		06:00 - 08:39		06:00 - 08:34	06:00 - 10:17	
	07:21 - 07:29									06:00 - 07:13				10:06 - 11:04			11:58 - 12:06					10:17 - 14:11	
	08:46 - 09:20																13:25 - 13:32					14:14 - 14:18	
	09:28 - 09:33																13:48 - 14:09						
	09:53 - 10:01						08:28 - 08:38	11:27 - 11:44	14:03 - 14:20		07:30 - 07:36		07:54 - 16:44	13:19 - 14:25	07:40 - 07:55	10:13 - 11:50	14:42 - 14:46						
	10:04 - 10:06									07:13 - 08:00							15:24 - 15:32		08:39 - 12:02		08:34 - 10:02	14:33 - 14:55	06:00 - 18:00
	10:33 - 10:38	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00	06:00 - 18:00						06:00 - 18:00		15:23 - 15:38			16:08 - 16:12	06:00 - 18:00		06:00 - 18:00			
	10:41 - 10:45						08:38 - 11:01	15:37 - 16:47	14:20 - 14:52		08:29 - 14:27		16:47 - 16:54	15:38 - 16:28	08:05 - 13:26	11:50 - 13:00	16:30 - 16:44					14:55 - 15:55	
	10:53 - 11:10																16:48 - 16:53						
	11:15 - 11:20																17:10 - 17:17					16:14 - 17:08	
	12:00 - 12:05									17:31 - 18:00				16:46 - 17:45			17:34 - 17:39		12:02 - 18:00	11:56 - 18:00			
	12:28 - 12:34						11:01 - 18:00	16:47 - 18:00	14:52 - 18:00		14:27 - 18:00		16:54 - 18:00		17:40 - 18:00	13:00 - 18:00	17:59 - 18:00					17:08 - 18:00	
	17:44 - 18:00													17:45 - 18:00									
Shift Change at 6pm	18:00 - 18:42				18:00 - 21:55			18:00 - 00:42		18:00 - 19:07	18:00 - 20:49	18:00 - 19:22	18:00 - 20:10	18:00 - 21:30	18:00 - 22:20		18:00 - 18:54	18:00 - 22:09					18:00 - 21:05
					21:56 - 22:03			00:42 - 01:09		19:46 - 21:53			20:10 - 02:25	03:20 - 03:29	22:20 - 22:50			22:09 - 23:14			18:00 - 04:12		21:05 - 21:15
		18:00 - 06:00	18:00 - 06:00	18:00 - 06:00	22:34 - 23:23	18:00 - 06:00	18:00 - 06:00	01:18 - 01:25	18:00 - 06:00	21:56 - 22:13	20:49 - 03:06	19:22 - 20:12	02:30 - 02:35	03:29 - 04:39	23:52 - 02:21	18:00 - 06:00	21:04 - 23:10	00:46 - 01:03	18:00 - 06:00	18:00 - 06:00		18:00 - 06:00	21:15 - 22:07
	05:29 - 06:00				01:09 - 01:19			01:33 - 02:02		01:13 - 02:42			02:57 - 03:04		04:57 - 05:19					04:12 - 06:00			22:07 - 06:00
					01:19 - 06:00			02:02 - 06:00		03:10 - 05:34	03:06 - 06:00	21:42 - 06:00	03:04 - 06:00	04:39 - 06:00	05:19 - 06:00		23:10 - 06:00	01:03 - 06:00					

Plant off

[illegible]

A P P E N D I X D

Wind speed and direction data from unattended survey



Note: 0/360 degrees is North

A P P E N D I X E

Noise data from unattended survey

Raw data and central tendencies for location NSR 1: 3 Wern

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	61	52	73
Mean	60	51	73
Mean - 1 s.d.	58	47	-
Log Average	61	-	-

Table 2: Daytime period (07:00 to 23:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	14:00	62	55	73	241	1.21
25/11/2024	14:15	62	55	75	232	1.13
25/11/2024	14:30	61	53	73	228	0.74
25/11/2024	14:45	62	56	72	247	0.94
25/11/2024	15:00	62	56	72	224	1.31
25/11/2024	15:15	62	56	75	215	0.97
25/11/2024	17:15	63	57	70	211	0.62
25/11/2024	20:00	60	51	71	225	0.49
25/11/2024	20:15	59	51	70	183	0.30
25/11/2024	20:30	60	52	72	184	0.90
25/11/2024	20:45	58	51	68	232	0.69
25/11/2024	21:00	58	51	73	231	0.54
25/11/2024	21:15	57	51	68	199	0.54
25/11/2024	21:30	57	50	75	220	0.44
25/11/2024	21:45	57	50	71	238	0.29
25/11/2024	22:00	55	44	69	206	0.44
25/11/2024	22:15	55	49	70	180	0.70
25/11/2024	22:30	56	50	68	181	0.87
25/11/2024	22:45	58	50	70	185	0.54
26/11/2024	07:00	62	53	73	192	0.52
26/11/2024	07:15	62	54	70	189	0.37
26/11/2024	07:30	63	54	73	223	0.21
26/11/2024	07:45	64	59	74	236	0.25
26/11/2024	08:00	64	59	72	196	0.31
26/11/2024	08:15	64	59	75	201	0.15
26/11/2024	08:30	64	59	75	187	0.23
26/11/2024	08:45	64	59	78	294	0.26
26/11/2024	09:00	63	56	72	174	0.79
26/11/2024	09:15	63	56	73	177	0.71
26/11/2024	09:30	62	51	78	237	0.60
26/11/2024	09:45	62	53	76	202	0.45
26/11/2024	10:00	62	52	82	175	0.55
26/11/2024	10:15	61	52	75	186	0.43
26/11/2024	10:30	61	51	73	202	0.29
26/11/2024	10:45	60	51	72	193	0.28
26/11/2024	11:00	61	53	73	222	0.59
26/11/2024	11:15	62	53	78	226	0.62
26/11/2024	11:30	61	54	72	245	0.58
26/11/2024	11:45	63	53	81	225	0.76
26/11/2024	12:00	62	53	74	230	0.88
26/11/2024	12:15	61	51	75	238	0.76

26/11/2024	12:30	60	51	72	200	0.67
26/11/2024	12:45	60	52	76	192	0.62
26/11/2024	13:00	63	54	84	184	0.73
26/11/2024	13:15	60	51	71	197	0.58
26/11/2024	13:30	60	51	77	305	0.41
26/11/2024	13:45	60	49	72	313	0.38
26/11/2024	14:00	60	49	74	279	0.32
26/11/2024	14:15	60	51	73	296	0.39
26/11/2024	14:30	60	49	71	291	0.29
26/11/2024	14:45	61	53	70	308	0.28
26/11/2024	15:00	61	52	72	315	0.23
26/11/2024	15:15	61	55	71	279	0.25
26/11/2024	15:30	63	56	79	279	0.27
26/11/2024	15:45	62	56	74	246	0.21
26/11/2024	16:00	62	55	74	289	0.18
26/11/2024	16:15	62	55	75	249	0.29
26/11/2024	16:30	65	55	87	242	0.22
26/11/2024	16:45	62	55	73	270	0.17
26/11/2024	17:00	63	57	77	307	0.24
26/11/2024	17:15	62	56	75	253	0.36
26/11/2024	17:30	63	58	73	250	0.23
26/11/2024	17:45	62	56	70	282	0.19
26/11/2024	18:00	62	55	75	211	0.40
26/11/2024	18:15	61	54	71	276	0.21
26/11/2024	18:30	61	54	70	216	0.25
26/11/2024	18:45	61	53	73	310	0.22
26/11/2024	19:00	59	51	70	298	0.27
26/11/2024	19:15	60	52	69	324	0.27
26/11/2024	19:30	59	50	72	217	0.20
26/11/2024	19:45	58	48	70	264	0.19
26/11/2024	20:00	60	50	68	299	0.21
26/11/2024	20:15	61	54	72	304	0.21
26/11/2024	20:30	61	50	74	300	0.23
26/11/2024	20:45	61	50	74	302	0.18
26/11/2024	21:00	61	50	72	271	0.14
26/11/2024	21:15	61	53	71	292	0.32
26/11/2024	21:30	61	49	73	307	0.21
26/11/2024	21:45	60	49	78	279	0.17
26/11/2024	22:00	60	52	69	311	0.27
26/11/2024	22:15	61	51	73	288	0.13
26/11/2024	22:30	59	48	75	306	0.20
26/11/2024	22:45	58	49	71	303	0.21
27/11/2024	08:00	63	57	73	336	0.35
27/11/2024	08:15	63	55	74	340	0.34
27/11/2024	08:30	63	56	73	341	0.41
27/11/2024	08:45	62	53	72	331	0.33
27/11/2024	09:00	62	53	73	339	0.21
27/11/2024	09:15	62	54	73	327	0.24
27/11/2024	09:30	62	55	75	335	0.30
27/11/2024	09:45	61	51	73	347	0.46
27/11/2024	10:00	62	49	72	342	0.59
27/11/2024	10:15	61	50	71	338	0.54
27/11/2024	10:30	61	50	74	330	1.07
27/11/2024	10:45	62	53	75	327	0.92
27/11/2024	11:00	64	55	77	327	0.80
27/11/2024	11:15	61	51	71	330	0.91

27/11/2024	11:30	60	48	71	327	0.77
27/11/2024	11:45	62	51	72	329	0.70
27/11/2024	12:00	60	48	81	327	0.96
27/11/2024	12:15	61	51	72	327	0.97
27/11/2024	12:30	61	53	73	326	1.00
27/11/2024	12:45	61	52	76	327	1.18
27/11/2024	13:00	63	52	83	328	1.39
27/11/2024	13:15	62	51	84	326	0.91
27/11/2024	13:30	60	51	77	327	1.10
27/11/2024	13:45	60	52	72	326	1.35
27/11/2024	14:00	60	49	72	325	1.25
27/11/2024	14:15	61	53	71	326	1.02
27/11/2024	14:30	61	54	73	326	1.07
27/11/2024	14:45	61	52	73	327	0.90
27/11/2024	15:00	61	55	73	330	0.58
27/11/2024	15:15	62	52	77	323	0.50
27/11/2024	15:30	62	55	76	326	0.45
27/11/2024	15:45	62	55	73	317	0.40
27/11/2024	16:00	62	56	75	322	0.34
27/11/2024	16:15	61	54	70	313	0.38
27/11/2024	16:30	62	56	77	314	0.35
27/11/2024	16:45	62	56	73	282	0.23
27/11/2024	17:00	62	56	75	222	0.26
27/11/2024	17:15	63	58	72	218	0.21
27/11/2024	17:30	62	57	69	187	0.25
27/11/2024	17:45	62	56	71	198	0.22
27/11/2024	18:00	63	55	72	189	0.29
27/11/2024	18:15	62	54	74	213	0.18
27/11/2024	18:30	61	52	74	309	0.22
27/11/2024	18:45	60	50	73	320	0.21
27/11/2024	19:00	60	52	69	207	0.17
27/11/2024	19:15	60	51	71	269	0.15
27/11/2024	19:30	61	51	72	232	0.17
27/11/2024	19:45	59	47	72	299	0.23
27/11/2024	20:00	59	51	70	293	0.14
27/11/2024	20:15	59	52	70	284	0.18
27/11/2024	20:30	59	50	76	278	0.26
27/11/2024	20:45	58	50	71	296	0.18
27/11/2024	21:00	58	47	70	216	0.15
27/11/2024	21:15	56	47	69	269	0.20
27/11/2024	21:30	57	45	73	222	0.15
27/11/2024	21:45	55	45	66	187	0.14
27/11/2024	22:00	57	50	70	245	0.18
27/11/2024	22:15	56	51	70	300	0.25
27/11/2024	22:30	57	49	73	303	0.28
27/11/2024	22:45	54	46	68	288	0.20
28/11/2024	07:00	62	54	74	231	0.16
28/11/2024	07:15	62	54	71	292	0.18
28/11/2024	07:30	63	56	76	248	0.13
28/11/2024	07:45	63	57	75	183	0.24
28/11/2024	08:00	63	58	72	230	0.18
28/11/2024	08:15	64	57	73	236	0.13
28/11/2024	08:30	63	57	78	197	0.23
28/11/2024	08:45	63	57	75	213	0.19
28/11/2024	09:00	62	56	74	316	0.23
28/11/2024	09:15	62	55	73	311	0.25

28/11/2024	09:30	61	53	70	264	0.13
28/11/2024	09:45	62	56	74	224	0.15
28/11/2024	10:00	61	54	72	197	0.35
28/11/2024	10:15	63	55	73	185	0.55
28/11/2024	10:30	61	54	73	179	0.44
28/11/2024	10:45	61	54	72	181	0.49
28/11/2024	11:00	62	55	73	177	0.54
28/11/2024	11:15	62	55	74	175	0.74
28/11/2024	11:30	61	54	70	174	0.65
28/11/2024	11:45	62	52	75	177	0.72
28/11/2024	12:00	61	54	74	181	0.62
28/11/2024	12:15	62	54	82	177	0.79
28/11/2024	12:30	62	53	72	183	0.60
28/11/2024	12:45	61	52	72	182	0.60
28/11/2024	13:00	62	53	73	187	0.45
28/11/2024	13:15	62	52	78	183	0.88
28/11/2024	13:30	62	53	79	186	0.65
28/11/2024	13:45	62	54	78	180	0.74
28/11/2024	14:00	62	54	71	182	0.96
28/11/2024	14:15	62	56	72	178	0.81
28/11/2024	14:30	62	54	71	183	0.77
28/11/2024	14:45	62	54	69	179	0.74
28/11/2024	15:00	63	57	74	184	0.79
28/11/2024	15:15	63	56	73	181	0.72
28/11/2024	15:30	62	56	81	186	0.67
28/11/2024	15:45	63	56	77	179	0.69
28/11/2024	16:00	63	57	81	178	0.82
28/11/2024	16:15	62	57	74	180	0.96
28/11/2024	16:30	62	56	71	182	0.57
28/11/2024	16:45	61	55	70	188	0.44
28/11/2024	17:00	63	58	73	182	0.60
28/11/2024	17:15	62	57	71	186	0.83
28/11/2024	17:30	62	56	72	181	0.79
28/11/2024	17:45	61	54	69	180	0.61
28/11/2024	18:00	61	56	71	178	0.84
28/11/2024	18:15	61	54	72	178	0.96
28/11/2024	18:30	61	53	73	180	0.77
28/11/2024	18:45	63	52	81	182	1.00
28/11/2024	19:00	63	52	85	180	0.95
28/11/2024	19:15	60	52	73	178	1.13
28/11/2024	19:30	59	51	68	180	1.10
28/11/2024	19:45	59	50	70	185	0.89
28/11/2024	20:00	59	50	70	186	0.81
28/11/2024	20:15	60	51	77	187	0.92
28/11/2024	20:30	60	50	78	185	0.87
28/11/2024	20:45	64	50	86	184	0.97
28/11/2024	21:00	58	49	73	187	0.70
28/11/2024	21:15	58	49	72	178	0.59
28/11/2024	21:30	57	48	69	177	0.47
28/11/2024	21:45	56	49	72	177	0.48
28/11/2024	22:00	56	47	69	181	0.52
28/11/2024	22:15	54	46	67	183	0.35
28/11/2024	22:30	55	46	69	203	0.34
28/11/2024	22:45	55	45	70	190	0.40
29/11/2024	07:00	60	50	75	182	0.63
29/11/2024	07:15	61	53	73	186	1.11

29/11/2024	07:30	62	54	80	185	1.24
29/11/2024	07:45	63	57	79	189	0.98
29/11/2024	08:00	63	58	74	190	0.92
29/11/2024	08:15	63	56	74	185	0.76
29/11/2024	08:30	63	57	73	187	0.63
29/11/2024	08:45	63	57	73	183	0.59
29/11/2024	09:00	61	54	73	183	0.54
29/11/2024	09:15	62	52	72	185	0.43
29/11/2024	09:30	61	52	71	189	0.49
29/11/2024	09:45	61	51	73	185	0.68
29/11/2024	10:00	61	53	75	182	0.87
29/11/2024	10:15	61	53	73	180	1.16
29/11/2024	10:30	61	52	77	188	0.65
29/11/2024	10:45	61	52	77	178	0.81
29/11/2024	11:00	61	55	75	176	0.80
29/11/2024	11:15	61	52	72	182	0.99
29/11/2024	11:30	61	53	73	177	1.07
29/11/2024	11:45	61	53	80	179	0.96
29/11/2024	12:00	61	54	73	182	0.72
29/11/2024	12:15	61	52	72	184	0.57
29/11/2024	12:30	61	53	70	188	0.58
29/11/2024	12:45	61	52	74	193	0.67
29/11/2024	13:00	61	55	74	187	1.01
29/11/2024	13:15	62	55	74	182	1.29
29/11/2024	13:30	62	55	74	178	1.34
29/11/2024	13:45	66	54	91	187	1.00
29/11/2024	14:00	62	55	77	178	0.92
29/11/2024	14:15	62	56	72	180	1.01
29/11/2024	14:30	61	53	69	188	0.83
29/11/2024	14:45	62	56	75	178	1.26
29/11/2024	15:00	63	57	74	178	1.37
29/11/2024	15:15	63	57	78	184	1.61
29/11/2024	15:30	63	57	73	183	1.61
29/11/2024	15:45	62	57	76	181	1.32
29/11/2024	16:00	63	56	77	177	1.49
29/11/2024	16:15	62	57	78	175	1.51
29/11/2024	16:30	62	57	71	183	1.20
29/11/2024	20:30	57	49	74	171	0.93
29/11/2024	20:45	58	49	75	177	1.14
29/11/2024	21:00	57	49	67	175	1.21
29/11/2024	21:15	58	49	71	198	0.69
29/11/2024	21:30	57	47	70	184	0.51
29/11/2024	21:45	57	48	70	177	0.99
29/11/2024	22:00	56	49	70	179	1.10
29/11/2024	22:15	56	47	68	188	0.54
29/11/2024	22:30	56	48	69	182	0.76
29/11/2024	22:45	55	49	70	186	0.88
30/11/2024	07:00	58	51	71	182	0.72
30/11/2024	07:15	57	48	70	253	0.36
30/11/2024	07:30	57	44	69	237	0.28
30/11/2024	07:45	57	45	74	215	0.43
30/11/2024	08:00	60	46	77	241	0.31
30/11/2024	08:15	60	49	71	294	0.26
30/11/2024	08:30	61	50	82	317	0.23
30/11/2024	08:45	60	51	70	228	0.27
30/11/2024	09:00	61	53	72	175	0.84

30/11/2024	09:15	62	55	72	175	1.01
30/11/2024	09:30	61	53	70	173	0.93
30/11/2024	09:45	61	52	73	175	0.86
30/11/2024	10:00	60	54	74	188	0.75
30/11/2024	10:15	60	51	75	194	0.72
30/11/2024	10:30	61	55	70	192	0.71
30/11/2024	10:45	62	55	71	186	0.92
30/11/2024	11:00	61	55	70	178	1.17
30/11/2024	11:15	61	55	71	179	1.09
30/11/2024	11:30	61	55	73	185	1.20
30/11/2024	11:45	61	55	74	189	1.24
30/11/2024	12:00	61	56	74	190	1.18
30/11/2024	12:15	61	55	73	188	0.86
30/11/2024	12:30	61	54	70	180	1.00
30/11/2024	12:45	61	54	70	181	1.29
30/11/2024	13:00	61	55	68	183	1.34
30/11/2024	13:15	61	54	69	181	1.14
30/11/2024	13:30	60	54	71	182	1.28
30/11/2024	13:45	60	53	70	182	1.03
30/11/2024	14:00	60	54	71	186	1.61
30/11/2024	14:15	61	54	86	182	1.31
30/11/2024	14:30	60	54	69	181	1.22
30/11/2024	14:45	60	53	71	182	1.28
30/11/2024	15:00	61	56	71	182	1.60
30/11/2024	15:15	60	54	74	184	1.19
30/11/2024	15:30	59	52	72	178	1.09
30/11/2024	15:45	59	52	68	177	1.05
30/11/2024	16:00	60	53	67	176	0.96
30/11/2024	16:15	59	52	70	179	1.04
30/11/2024	16:30	60	54	70	184	1.24
30/11/2024	16:45	59	51	72	182	1.03
30/11/2024	17:00	60	50	79	182	1.20
30/11/2024	17:15	59	52	74	180	1.07
30/11/2024	17:30	59	51	75	178	0.79
30/11/2024	17:45	59	50	74	202	0.51
30/11/2024	18:00	60	50	78	187	0.47
30/11/2024	18:15	58	50	70	184	0.49
30/11/2024	18:30	59	52	75	178	0.56
30/11/2024	18:45	59	52	68	184	1.23
30/11/2024	19:00	59	51	68	185	1.22
30/11/2024	19:15	59	51	70	186	0.91
30/11/2024	19:30	58	50	69	188	0.94
30/11/2024	19:45	57	48	73	185	0.66
30/11/2024	20:00	57	47	66	190	0.57
30/11/2024	20:15	57	48	74	201	0.33
30/11/2024	20:30	57	46	71	187	0.42
30/11/2024	20:45	57	49	68	181	0.80
30/11/2024	21:00	56	49	65	184	1.00
30/11/2024	21:15	57	50	75	177	1.20
30/11/2024	21:30	55	48	75	181	0.97
30/11/2024	21:45	55	47	68	179	0.64
30/11/2024	22:00	56	47	74	177	0.57
30/11/2024	22:15	56	48	75	179	0.78
30/11/2024	22:30	55	46	67	180	0.53
30/11/2024	22:45	54	47	67	177	0.71
01/12/2024	09:15	58	48	75	194	0.44

01/12/2024	09:30	60	51	72	213	0.41
01/12/2024	09:45	60	53	68	181	0.63
01/12/2024	10:00	59	49	68	184	0.52
01/12/2024	10:15	60	49	68	177	0.75
01/12/2024	10:30	61	51	71	181	0.85
01/12/2024	10:45	60	52	73	184	0.93
01/12/2024	11:00	61	53	71	183	0.91
01/12/2024	11:15	61	54	71	180	0.94
01/12/2024	11:30	60	52	74	182	0.95
01/12/2024	11:45	61	54	76	193	0.72
01/12/2024	12:00	61	53	71	212	0.76
01/12/2024	12:15	60	52	72	218	0.89
01/12/2024	12:30	61	52	70	225	0.77
01/12/2024	12:45	61	56	69	214	0.91
01/12/2024	13:00	61	54	68	201	0.69
01/12/2024	13:15	60	55	78	208	0.63
01/12/2024	13:30	60	53	68	186	1.20
01/12/2024	13:45	61	53	70	188	1.27
01/12/2024	14:00	61	54	69	183	1.14
01/12/2024	14:15	60	52	69	186	1.16
01/12/2024	14:30	60	53	68	180	1.06
01/12/2024	17:45	59	51	71	224	0.93
01/12/2024	18:00	61	53	71	218	0.75
01/12/2024	19:30	57	49	71	215	0.59
01/12/2024	19:45	57	48	69	215	0.71
01/12/2024	20:00	58	49	69	195	0.60
01/12/2024	20:15	57	48	69	189	0.58
01/12/2024	20:30	58	47	72	207	0.37
01/12/2024	20:45	57	45	72	184	0.43
01/12/2024	21:00	78	50	100	184	0.57
01/12/2024	22:30	53	48	69	223	0.26
01/12/2024	22:45	54	47	69	315	0.44
02/12/2024	07:00	62	50	73	322	1.66
02/12/2024	07:15	62	54	74	313	1.82
02/12/2024	07:30	62	54	81	325	1.68
02/12/2024	07:45	63	56	74	328	1.50
02/12/2024	08:00	63	58	72	322	1.17
02/12/2024	08:15	63	55	73	322	1.45
02/12/2024	08:30	63	54	84	332	1.29
02/12/2024	08:45	63	56	76	329	1.46
02/12/2024	09:00	64	53	94	330	0.67
02/12/2024	09:15	62	53	77	324	1.04
02/12/2024	09:30	61	52	70	311	0.94
02/12/2024	09:45	62	51	87	315	1.22
02/12/2024	10:00	62	53	76	311	1.62
02/12/2024	10:15	61	52	72	318	1.50
02/12/2024	10:30	61	50	74	305	1.29
02/12/2024	10:45	62	52	72	279	1.44
02/12/2024	11:00	63	55	72	273	1.75
02/12/2024	11:15	63	57	73	292	1.66
02/12/2024	11:30	61	54	71	259	1.80
02/12/2024	11:45	63	55	80	291	1.78
02/12/2024	12:00	62	54	70	307	1.34
02/12/2024	12:15	61	55	75	298	1.04
02/12/2024	12:30	61	51	74	291	1.07
02/12/2024	12:45	61	52	75	331	1.02

02/12/2024	13:00	60	50	70	330	1.15
02/12/2024	13:15	60	51	74	327	1.10
02/12/2024	13:30	61	52	73	323	1.31
02/12/2024	13:45	62	54	71	331	1.76
02/12/2024	14:00	61	52	73	346	1.53
02/12/2024	16:30	63	56	74	328	0.83
02/12/2024	16:45	61	53	72	325	0.65
02/12/2024	17:00	63	57	71	332	0.66
02/12/2024	17:15	63	56	82	330	0.61
02/12/2024	17:30	62	55	71	327	0.78
02/12/2024	17:45	61	53	70	328	0.63
02/12/2024	18:00	62	52	70	336	0.58
02/12/2024	18:15	61	51	76	338	0.55
02/12/2024	18:30	60	48	73	332	0.41
02/12/2024	18:45	59	45	71	333	0.47
02/12/2024	19:00	59	44	70	326	0.51
02/12/2024	19:15	58	45	69	340	0.91
02/12/2024	19:30	57	40	70	329	0.61
02/12/2024	19:45	57	43	69	324	0.48
02/12/2024	20:00	57	43	70	327	0.32
02/12/2024	20:15	57	42	68	299	0.25
02/12/2024	20:30	56	40	67	340	0.31
02/12/2024	20:45	56	40	74	325	0.37
02/12/2024	21:00	56	44	73	265	0.15
02/12/2024	21:15	57	45	69	278	0.24
02/12/2024	21:30	55	45	68	290	0.17
02/12/2024	21:45	56	44	69	197	0.22
02/12/2024	22:00	56	43	72	302	0.19
02/12/2024	22:15	54	41	71	331	0.30
02/12/2024	22:30	54	39	71	316	0.30
02/12/2024	22:45	57	45	70	230	0.16
03/12/2024	07:00	62	48	76	242	0.21
03/12/2024	07:15	62	54	82	217	0.28
03/12/2024	07:30	62	53	73	315	0.33
03/12/2024	07:45	63	57	73	236	0.15
03/12/2024	08:00	63	57	75	247	0.25
03/12/2024	08:15	63	56	73	224	0.16
03/12/2024	08:30	63	56	70	185	0.40
03/12/2024	08:45	62	54	79	199	0.40
03/12/2024	09:00	62	53	80	188	0.59
03/12/2024	09:15	61	50	77	193	0.39
03/12/2024	09:30	61	50	76	309	0.30
03/12/2024	09:45	61	51	71	257	0.34
03/12/2024	10:00	61	52	76	198	0.55
03/12/2024	10:15	60	50	72	189	0.46
03/12/2024	10:30	61	53	71	189	0.52
03/12/2024	10:45	61	52	78	192	0.40
03/12/2024	11:00	61	49	71	198	0.38
03/12/2024	11:15	60	48	73	228	0.35
03/12/2024	11:30	60	49	76	271	0.24
03/12/2024	11:45	61	50	72	324	0.21
03/12/2024	12:00	61	52	73	333	0.32
03/12/2024	12:15	60	52	73	264	0.47
03/12/2024	12:30	61	53	74	204	0.50
03/12/2024	12:45	60	51	77	185	0.71
03/12/2024	13:00	61	51	75	227	0.48

03/12/2024	13:15	61	51	75	216	0.41
03/12/2024	13:30	61	53	71	199	0.65
03/12/2024	13:45	61	50	70	191	0.86
03/12/2024	14:00	61	52	73	184	0.99
03/12/2024	14:15	61	54	81	180	0.98
03/12/2024	14:30	62	53	74	181	0.99
03/12/2024	14:45	61	54	73	185	0.87
03/12/2024	15:00	62	54	71	224	0.55
03/12/2024	15:15	62	55	74	226	0.49
03/12/2024	15:30	63	57	74	201	0.71
03/12/2024	15:45	62	55	71	199	0.55
03/12/2024	16:00	62	56	75	227	0.36
03/12/2024	16:15	62	55	74	223	0.42
03/12/2024	16:30	62	56	75	219	0.50
03/12/2024	16:45	62	56	76	231	0.46
03/12/2024	17:00	62	57	72	232	0.53
03/12/2024	17:15	62	56	70	234	0.43
03/12/2024	17:30	62	56	71	220	0.57
03/12/2024	17:45	61	54	72	207	0.51
03/12/2024	18:00	62	55	73	197	0.56
03/12/2024	18:15	61	54	73	194	0.60
03/12/2024	18:30	62	54	75	210	0.69
03/12/2024	18:45	61	55	71	222	0.69
03/12/2024	19:00	61	55	69	205	0.54
03/12/2024	19:15	60	53	70	183	0.63
03/12/2024	19:30	59	50	68	188	0.61
03/12/2024	19:45	59	49	72	182	0.51
03/12/2024	20:00	59	51	70	215	0.31
03/12/2024	20:15	57	47	70	265	0.25
03/12/2024	20:30	58	49	72	182	0.50
03/12/2024	20:45	58	49	68	179	0.54
03/12/2024	21:00	56	49	68	179	0.56
03/12/2024	21:15	57	50	71	180	0.73
03/12/2024	21:30	56	51	66	194	0.46
03/12/2024	21:45	58	53	72	184	0.80
03/12/2024	22:00	59	52	68	175	0.98
03/12/2024	22:15	57	49	69	173	0.92
03/12/2024	22:30	55	48	71	172	0.99
03/12/2024	22:45	57	49	68	173	0.98
04/12/2024	07:00	62	55	73	271	0.25
04/12/2024	07:15	63	56	79	233	0.21
04/12/2024	07:30	63	58	74	193	0.28
04/12/2024	07:45	64	58	75	182	0.45
04/12/2024	08:00	64	59	74	321	0.24
04/12/2024	08:15	64	58	74	307	0.20
04/12/2024	08:30	63	57	71	277	0.32
04/12/2024	08:45	63	57	74	208	0.24
04/12/2024	09:00	63	58	76	246	0.25
04/12/2024	09:15	62	54	73	193	0.59
04/12/2024	09:30	62	53	75	250	0.40
04/12/2024	09:45	62	55	78	233	0.25
04/12/2024	10:00	62	54	73	194	0.47
04/12/2024	10:15	60	52	72	186	0.58
04/12/2024	10:30	60	51	70	189	0.41
04/12/2024	10:45	61	53	71	193	0.36
04/12/2024	11:00	61	52	72	182	0.54

04/12/2024	11:15	61	54	73	182	0.53
04/12/2024	11:30	61	52	72	178	0.80
04/12/2024	11:45	61	53	72	176	0.62
04/12/2024	12:00	62	54	73	180	0.89
04/12/2024	12:15	62	52	74	179	0.89
04/12/2024	12:30	61	52	73	176	0.99
04/12/2024	12:45	61	52	71	178	0.89
04/12/2024	13:00	62	52	76	176	0.65
04/12/2024	13:15	62	54	70	187	0.48
04/12/2024	13:30	62	53	73	184	0.46
04/12/2024	13:45	62	54	73	182	0.44
04/12/2024	14:00	63	55	75	180	0.81
04/12/2024	14:15	62	55	74	178	1.00
04/12/2024	14:30	62	54	76	186	0.71
04/12/2024	14:45	62	55	71	223	0.46
04/12/2024	15:00	63	55	82	207	0.58
04/12/2024	15:15	63	57	73	182	1.00
04/12/2024	19:30	61	52	72	182	1.66
04/12/2024	19:45	60	51	73	181	1.62
04/12/2024	20:00	60	52	72	183	1.17
04/12/2024	20:15	60	51	72	187	1.23
04/12/2024	20:30	59	49	71	179	0.88
04/12/2024	20:45	58	47	71	183	0.67
04/12/2024	21:00	58	48	73	181	0.77
04/12/2024	21:15	58	48	69	186	0.73
04/12/2024	21:30	59	48	71	180	0.81
04/12/2024	21:45	59	49	76	194	0.64
04/12/2024	22:00	58	52	71	182	1.27
04/12/2024	22:15	58	52	70	189	1.43
04/12/2024	22:30	57	51	74	187	1.48
04/12/2024	22:45	58	52	68	186	1.47
05/12/2024	07:00	62	52	73	223	0.85
05/12/2024	07:15	63	54	80	222	1.24
05/12/2024	07:30	63	56	72	266	1.34
05/12/2024	07:45	64	59	75	259	1.33
05/12/2024	08:00	64	58	73	273	0.88
05/12/2024	08:15	63	57	76	252	0.87
05/12/2024	08:30	63	57	75	243	0.99
05/12/2024	08:45	63	56	71	232	0.79
05/12/2024	09:00	61	55	69	251	0.64
05/12/2024	09:15	62	54	71	258	0.90
05/12/2024	09:30	62	55	77	255	0.94
05/12/2024	09:45	62	54	75	243	0.71
05/12/2024	10:00	61	51	74	312	0.51
05/12/2024	10:15	62	53	71	244	0.56
05/12/2024	10:30	62	54	74	255	0.69
05/12/2024	10:45	62	55	71	224	0.91
05/12/2024	11:00	64	56	73	229	1.03
05/12/2024	11:15	61	54	75	214	0.82
05/12/2024	11:30	61	53	75	184	0.96
05/12/2024	11:45	61	55	72	180	1.18
05/12/2024	12:00	61	54	70	185	1.04
05/12/2024	19:45	62	54	71	318	2.25
05/12/2024	20:00	61	51	74	303	1.87
05/12/2024	20:15	60	51	70	319	1.95
05/12/2024	20:30	61	52	70	317	2.08

05/12/2024	20:45	61	52	75	319	2.17
05/12/2024	21:00	60	51	82	323	2.90
05/12/2024	21:15	59	51	73	323	2.55
05/12/2024	21:30	61	52	74	320	2.67
06/12/2024	07:00	62	50	74	245	0.66
06/12/2024	07:15	61	52	71	253	0.76
06/12/2024	07:30	62	53	70	321	0.99
06/12/2024	07:45	63	57	74	299	1.21
06/12/2024	08:00	63	57	73	271	0.51
06/12/2024	08:15	63	56	76	245	0.74
06/12/2024	08:30	63	56	76	251	0.60
06/12/2024	08:45	62	56	71	293	0.83
06/12/2024	09:00	63	57	75	228	0.81
06/12/2024	09:15	63	56	73	227	1.00
06/12/2024	09:30	62	53	74	224	0.91
06/12/2024	09:45	62	54	72	217	0.59
06/12/2024	10:00	62	55	73	235	0.56
06/12/2024	10:15	63	55	73	239	0.64
06/12/2024	10:30	61	54	72	210	0.58
06/12/2024	10:45	62	56	72	199	0.50
06/12/2024	11:00	62	56	72	244	0.53
06/12/2024	11:15	64	55	92	206	0.47
06/12/2024	11:30	61	54	70	208	0.51
06/12/2024	11:45	62	56	71	182	0.83
06/12/2024	12:00	62	55	77	177	1.06
06/12/2024	12:15	62	56	75	175	0.94
06/12/2024	12:30	62	55	71	177	0.99
06/12/2024	12:45	62	55	80	182	0.94
06/12/2024	13:00	62	54	69	188	0.64
06/12/2024	13:15	62	55	81	200	0.59
06/12/2024	13:30	62	55	72	198	0.56
06/12/2024	13:45	62	56	76	184	1.03
06/12/2024	15:45	63	57	72	183	1.07
06/12/2024	16:00	63	58	73	180	1.31
06/12/2024	16:15	63	57	76	176	1.46
06/12/2024	16:30	64	59	83	180	1.74
06/12/2024	16:45	63	57	74	179	2.09
06/12/2024	17:00	64	58	76	180	1.79
06/12/2024	17:15	63	56	76	176	1.48
08/12/2024	07:00	54	43	69	342	1.60
08/12/2024	07:15	54	43	70	345	1.49
08/12/2024	07:30	57	45	72	343	1.62
08/12/2024	07:45	55	45	68	343	1.62
08/12/2024	08:00	57	46	70	343	1.94
08/12/2024	08:15	56	46	70	346	1.61
08/12/2024	08:30	57	46	71	341	1.47
08/12/2024	08:45	58	48	72	338	1.61
08/12/2024	09:00	58	47	71	343	1.61
08/12/2024	09:15	58	47	70	343	1.54
08/12/2024	09:30	60	50	76	342	1.78
08/12/2024	09:45	60	52	73	345	1.81
08/12/2024	10:00	60	51	74	342	1.92
08/12/2024	10:15	60	52	70	341	1.94
08/12/2024	10:30	60	52	70	345	1.92
08/12/2024	10:45	61	52	71	344	1.83
08/12/2024	11:00	61	53	79	339	1.86

08/12/2024	11:15	61	54	76	338	1.95
08/12/2024	11:30	61	53	70	340	1.77
08/12/2024	11:45	61	55	73	336	2.24
08/12/2024	12:00	61	54	74	337	2.10
08/12/2024	12:15	60	52	74	338	1.79
08/12/2024	12:30	61	52	73	340	1.67
08/12/2024	12:45	61	54	72	339	1.87
08/12/2024	13:00	60	53	77	336	1.99
08/12/2024	13:15	60	51	73	339	1.53
08/12/2024	13:30	60	53	69	341	1.52
08/12/2024	13:45	60	51	72	341	1.80
08/12/2024	14:00	60	52	71	338	1.86
08/12/2024	14:15	60	52	74	336	2.08
08/12/2024	14:30	60	52	71	338	1.92
08/12/2024	14:45	60	53	72	332	2.20
08/12/2024	15:00	61	54	71	338	1.88
08/12/2024	15:15	60	52	75	342	1.73
08/12/2024	15:30	62	52	86	336	1.87
08/12/2024	15:45	60	53	76	335	2.02
08/12/2024	16:00	60	53	69	336	1.85
08/12/2024	16:15	60	53	70	336	1.81
08/12/2024	16:30	61	51	76	341	1.77
08/12/2024	16:45	59	52	69	343	1.72
08/12/2024	17:00	58	49	69	343	1.77
08/12/2024	18:30	58	47	69	344	1.44
08/12/2024	18:45	58	46	71	343	1.67
08/12/2024	19:00	59	45	82	344	1.62
08/12/2024	19:15	56	44	69	345	1.40
08/12/2024	19:30	56	44	71	343	1.33
08/12/2024	19:45	56	44	68	344	1.50
08/12/2024	20:00	56	44	69	345	1.31
08/12/2024	20:15	54	41	68	339	1.50
08/12/2024	20:30	56	43	69	343	1.65
08/12/2024	20:45	56	41	70	346	1.56
08/12/2024	21:00	56	40	75	344	1.46
08/12/2024	21:15	53	41	70	346	1.50
08/12/2024	21:30	56	42	72	342	1.55
08/12/2024	21:45	54	40	68	343	1.31
08/12/2024	22:00	57	39	75	341	1.25
08/12/2024	22:15	51	36	68	341	1.02
08/12/2024	22:30	53	37	72	346	1.06
08/12/2024	22:45	50	36	69	343	0.83
09/12/2024	07:00	60	48	71	343	0.91
09/12/2024	09:15	61	51	74	344	1.01
09/12/2024	09:30	60	49	71	343	0.94
09/12/2024	09:45	61	52	73	341	0.97
09/12/2024	10:00	60	50	73	342	0.76
09/12/2024	10:15	61	51	73	345	0.95
09/12/2024	10:30	60	52	72	344	1.07
09/12/2024	10:45	62	52	78	343	1.32
09/12/2024	11:00	60	50	71	344	1.26
09/12/2024	11:15	61	52	74	346	1.48
09/12/2024	11:30	61	50	69	347	1.31
09/12/2024	11:45	61	51	75	342	1.14
09/12/2024	12:00	61	53	71	344	1.17
09/12/2024	12:15	61	50	70	342	1.25

09/12/2024	12:30	61	52	73	345	1.49
09/12/2024	12:45	62	54	76	344	1.48
09/12/2024	13:00	60	51	74	341	1.39
09/12/2024	13:15	61	51	73	343	1.36
09/12/2024	13:30	61	51	74	340	1.24
09/12/2024	13:45	61	53	74	342	1.19
09/12/2024	14:00	61	51	78	340	1.27
09/12/2024	14:15	61	53	75	339	1.17
09/12/2024	14:30	60	52	75	343	1.19
09/12/2024	14:45	62	52	83	338	1.16
09/12/2024	15:00	62	55	73	341	1.24
09/12/2024	15:15	61	53	71	345	1.08
09/12/2024	15:30	62	55	73	337	0.94
09/12/2024	15:45	61	53	71	337	0.95
09/12/2024	16:00	61	53	76	346	1.08
09/12/2024	16:15	61	53	83	341	1.06
09/12/2024	16:30	61	53	70	339	0.95
09/12/2024	16:45	63	55	78	343	0.92
09/12/2024	17:00	61	55	69	345	1.06
09/12/2024	17:15	64	55	87	344	1.07
09/12/2024	17:30	70	54	93	342	0.96
09/12/2024	17:45	61	54	71	343	1.07
09/12/2024	18:00	61	53	73	345	1.13
09/12/2024	18:15	58	48	71	342	1.16
09/12/2024	18:30	60	50	72	343	1.10
09/12/2024	18:45	59	46	75	346	1.17
09/12/2024	19:00	60	47	77	341	0.99
09/12/2024	19:15	58	46	73	342	0.90
09/12/2024	19:30	58	44	77	342	1.01
09/12/2024	19:45	57	45	77	342	0.93
09/12/2024	20:00	57	45	68	341	1.00
09/12/2024	20:15	57	43	71	344	0.88
09/12/2024	20:30	57	42	70	344	1.20
09/12/2024	20:45	56	40	70	343	0.96
09/12/2024	21:00	56	41	75	341	1.08
09/12/2024	21:15	55	39	71	342	0.96
09/12/2024	21:30	54	39	67	336	0.62
09/12/2024	21:45	54	38	67	340	0.70
09/12/2024	22:00	55	39	72	337	0.69
09/12/2024	22:15	52	36	69	342	0.66
09/12/2024	22:30	54	36	73	341	0.69
09/12/2024	22:45	53	35	69	343	0.92
10/12/2024	07:00	60	47	76	342	0.77
10/12/2024	07:15	60	47	70	342	0.85
10/12/2024	07:30	61	52	76	340	0.76
10/12/2024	07:45	62	54	72	340	0.68
10/12/2024	08:00	62	56	73	342	0.75
10/12/2024	08:15	62	54	72	340	0.83
10/12/2024	08:30	61	52	69	340	0.72
10/12/2024	08:45	61	51	72	337	0.72
10/12/2024	09:00	61	51	73	345	0.61
10/12/2024	09:15	60	50	71	340	0.68
10/12/2024	09:30	60	49	70	343	0.83
10/12/2024	09:45	60	47	70	339	0.61
10/12/2024	10:00	60	50	74	339	0.67
10/12/2024	10:15	61	50	76	340	0.82

10/12/2024	10:30	60	50	73	338	0.86
10/12/2024	10:45	59	48	76	342	0.95
10/12/2024	11:00	60	51	73	338	0.89
10/12/2024	11:15	60	47	73	341	0.80
10/12/2024	11:30	59	47	72	341	0.70
10/12/2024	11:45	61	53	75	338	0.66
10/12/2024	12:00	60	50	73	338	0.77
10/12/2024	12:15	60	51	76	338	0.82
10/12/2024	12:30	60	53	73	334	0.60
10/12/2024	12:45	60	52	72	329	0.61
10/12/2024	13:00	61	52	75	330	0.70
10/12/2024	13:15	59	49	70	326	0.55
10/12/2024	13:30	60	50	72	320	0.62
10/12/2024	13:45	60	52	72	338	0.55
10/12/2024	14:00	61	50	75	333	0.63
10/12/2024	14:15	60	51	76	336	0.55
10/12/2024	14:30	61	52	75	327	0.55
10/12/2024	14:45	61	52	72	334	0.56
10/12/2024	15:00	61	53	75	320	0.39
10/12/2024	15:15	60	53	74	327	0.38
10/12/2024	15:30	62	53	78	326	0.35
10/12/2024	15:45	61	53	70	347	0.48
10/12/2024	16:00	61	53	73	343	0.57
10/12/2024	16:15	61	52	78	332	0.34
10/12/2024	16:30	61	53	74	344	0.58
10/12/2024	16:45	62	53	79	339	0.41
10/12/2024	17:00	61	54	69	341	0.39
10/12/2024	17:15	61	54	74	341	0.63
10/12/2024	17:30	61	53	75	339	0.59
10/12/2024	17:45	60	52	72	340	0.76
10/12/2024	18:00	61	53	74	341	0.62
10/12/2024	18:15	59	50	75	341	0.62
10/12/2024	18:30	60	51	70	341	0.42
10/12/2024	18:45	59	48	71	338	0.65
10/12/2024	19:00	59	48	68	341	0.82
10/12/2024	19:15	59	45	78	341	0.64
10/12/2024	19:30	57	42	72	335	0.47
10/12/2024	19:45	56	39	69	343	0.73
10/12/2024	20:00	57	41	69	331	0.44
10/12/2024	20:15	55	39	68	319	0.38
10/12/2024	20:30	55	38	67	327	0.39
10/12/2024	20:45	56	38	76	343	0.48
10/12/2024	21:00	56	39	79	333	0.41
10/12/2024	21:15	55	35	68	340	0.53
10/12/2024	21:30	56	40	68	338	0.53
10/12/2024	21:45	63	38	91	338	0.53
10/12/2024	22:00	55	37	68	249	0.27
10/12/2024	22:15	55	38	73	324	0.33
10/12/2024	22:30	54	36	72	335	0.42
10/12/2024	22:45	55	35	70	334	0.37
11/12/2024	07:00	60	46	77	306	0.37
11/12/2024	07:15	60	50	73	290	0.28
11/12/2024	07:30	61	51	71	315	0.39
11/12/2024	07:45	62	55	73	305	0.31
11/12/2024	08:00	61	54	73	294	0.24
11/12/2024	08:15	61	53	72	331	0.29

11/12/2024	08:30	60	52	72	330	0.25
11/12/2024	08:45	61	52	71	284	0.25
11/12/2024	09:00	61	51	74	299	0.32
11/12/2024	09:15	61	49	77	315	0.31
11/12/2024	09:30	60	51	75	286	0.25
11/12/2024	09:45	61	50	72	241	0.22
11/12/2024	10:00	60	50	77	284	0.23
11/12/2024	10:15	61	52	79	307	0.27
11/12/2024	10:30	59	51	72	306	0.31
11/12/2024	10:45	60	52	75	316	0.33
11/12/2024	11:00	61	53	79	296	0.24
11/12/2024	11:15	62	54	78	328	0.36
11/12/2024	11:30	60	51	76	320	0.30
11/12/2024	11:45	60	49	70	325	0.34
11/12/2024	12:00	61	51	73	312	0.36
11/12/2024	12:15	61	54	69	304	0.35
11/12/2024	12:30	61	50	71	305	0.37
11/12/2024	12:45	59	49	73	312	0.39
11/12/2024	13:00	60	50	71	279	0.41
11/12/2024	13:15	61	52	70	263	0.32
11/12/2024	13:30	60	51	76	288	0.28
11/12/2024	13:45	62	51	78	302	0.37
11/12/2024	14:00	60	52	74	266	0.26
11/12/2024	14:15	61	52	75	297	0.28
11/12/2024	14:30	61	52	74	290	0.31
11/12/2024	14:45	61	53	71	268	0.28
11/12/2024	15:00	60	50	73	301	0.35
11/12/2024	15:15	61	52	70	243	0.23
11/12/2024	15:30	61	51	72	308	0.28
11/12/2024	15:45	61	54	75	250	0.27
11/12/2024	16:00	61	53	72	280	0.28
11/12/2024	16:15	60	52	72	233	0.17
11/12/2024	16:30	61	53	69	274	0.16
11/12/2024	16:45	60	53	68	246	0.22
11/12/2024	17:00	61	53	71	249	0.21
11/12/2024	17:15	61	55	69	279	0.24
11/12/2024	17:30	61	54	70	248	0.27
11/12/2024	17:45	59	51	70	263	0.29
11/12/2024	18:00	62	52	79	245	0.29
11/12/2024	18:15	60	52	73	282	0.25
11/12/2024	18:30	59	47	69	261	0.33
11/12/2024	18:45	58	47	69	251	0.36
11/12/2024	19:00	60	47	77	245	0.29
11/12/2024	19:15	58	44	71	271	0.31
11/12/2024	19:30	58	44	69	247	0.26
11/12/2024	19:45	59	46	79	255	0.37
11/12/2024	20:00	57	41	71	256	0.22
11/12/2024	20:15	57	41	68	262	0.27
11/12/2024	20:30	57	42	69	225	0.37
11/12/2024	20:45	56	41	67	228	0.25
11/12/2024	21:00	56	40	75	265	0.27
11/12/2024	21:15	57	40	69	261	0.35
11/12/2024	21:30	57	42	72	274	0.30
11/12/2024	21:45	55	38	71	211	0.31
11/12/2024	22:00	56	40	69	193	0.35
11/12/2024	22:15	55	41	69	209	0.25

11/12/2024	22:30	52	39	66	245	0.17
11/12/2024	22:45	56	40	70	241	0.13
12/12/2024	07:00	60	47	71	320	0.27
12/12/2024	07:15	60	50	71	315	0.19
12/12/2024	07:30	61	51	73	280	0.14
12/12/2024	07:45	61	52	70	296	0.13
12/12/2024	08:00	62	56	74	334	0.27
12/12/2024	08:15	62	53	71	330	0.19
12/12/2024	08:30	61	51	70	327	0.22
12/12/2024	08:45	62	52	76	288	0.16
12/12/2024	09:00	61	52	73	324	0.22
12/12/2024	09:15	61	49	75	320	0.19
12/12/2024	09:30	61	48	70	335	0.35
12/12/2024	09:45	61	52	73	330	0.26
12/12/2024	10:00	60	48	77	316	0.26
12/12/2024	10:15	60	48	73	311	0.22
12/12/2024	10:30	60	48	74	328	0.28
12/12/2024	10:45	60	50	70	321	0.31
12/12/2024	11:00	61	51	74	324	0.37
12/12/2024	11:15	60	51	70	323	0.39
12/12/2024	11:30	61	50	76	326	0.40
12/12/2024	11:45	61	50	73	334	0.36
12/12/2024	12:00	61	52	72	335	0.37
12/12/2024	12:15	60	51	74	322	0.42
12/12/2024	12:30	60	50	69	322	0.38
12/12/2024	12:45	61	51	75	329	0.38
12/12/2024	13:00	61	53	76	342	0.35
12/12/2024	13:15	61	52	70	341	0.43
12/12/2024	13:30	62	51	76	332	0.25
12/12/2024	13:45	60	50	74	322	0.39
12/12/2024	14:00	62	53	73	305	0.26
12/12/2024	14:15	61	53	72	337	0.43
12/12/2024	14:30	61	53	76	341	0.39
12/12/2024	14:45	62	55	71	329	0.33
12/12/2024	15:00	62	56	71	333	0.25
12/12/2024	15:15	63	55	71	329	0.21
12/12/2024	15:30	62	55	77	301	0.14
12/12/2024	15:45	62	54	72	334	0.31
12/12/2024	16:00	62	55	71	330	0.27
12/12/2024	16:15	62	53	72	324	0.27
12/12/2024	16:30	62	55	73	323	0.33
12/12/2024	16:45	62	56	70	326	0.31
12/12/2024	17:00	63	56	70	327	0.27
12/12/2024	17:15	62	56	70	333	0.26
12/12/2024	17:30	62	53	70	331	0.37
12/12/2024	17:45	62	53	84	324	0.30
12/12/2024	18:00	62	51	75	325	0.29
12/12/2024	18:15	61	51	72	323	0.29
12/12/2024	18:30	61	51	70	306	0.27
12/12/2024	18:45	61	54	70	334	0.36
12/12/2024	19:00	61	51	73	318	0.30
12/12/2024	19:15	60	49	71	334	0.34
12/12/2024	19:30	59	46	69	336	0.38
12/12/2024	19:45	59	43	73	330	0.35
12/12/2024	20:00	59	42	75	329	0.33
12/12/2024	20:15	58	42	70	322	0.21

12/12/2024	20:30	59	43	72	320	0.24
12/12/2024	20:45	57	40	71	335	0.35
12/12/2024	21:00	56	38	72	342	0.43
12/12/2024	21:15	57	39	71	340	0.38
12/12/2024	21:30	57	40	68	320	0.23
12/12/2024	21:45	56	37	72	277	0.21
12/12/2024	22:00	55	37	72	267	0.22
12/12/2024	22:15	55	38	70	267	0.20
12/12/2024	22:30	55	37	67	284	0.21
12/12/2024	22:45	56	37	70	241	0.20

Raw data and central tendencies for location NSR 1: 3 Wern

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	53	47	70
Mean	53	44	70
Mean - 1 s.d.	49	38	-
Log Average	55	-	-

Table 4: Night-time period (23:00 to 07:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	23:00	53	42	68	206	0.45
25/11/2024	23:15	54	46	76	187	0.50
25/11/2024	23:30	54	49	68	184	0.69
25/11/2024	23:45	54	50	72	197	0.54
26/11/2024	00:00	54	50	71	221	0.55
26/11/2024	00:15	53	47	70	191	0.41
26/11/2024	00:30	51	48	65	201	0.38
26/11/2024	00:45	53	50	69	196	0.59
26/11/2024	01:00	54	51	69	183	0.43
26/11/2024	01:15	52	50	64	178	0.58
26/11/2024	01:30	54	51	70	182	0.52
26/11/2024	01:45	54	51	72	177	0.62
26/11/2024	02:00	54	51	68	188	0.58
26/11/2024	02:15	53	50	68	200	0.28
26/11/2024	02:30	51	49	66	188	0.40
26/11/2024	02:45	53	49	72	185	0.57
26/11/2024	03:00	55	49	72	188	0.41
26/11/2024	03:15	56	50	72	180	0.81
26/11/2024	03:30	53	50	75	178	0.82
26/11/2024	03:45	54	50	70	175	0.82
26/11/2024	04:00	55	50	70	179	0.72
26/11/2024	04:15	56	50	70	178	0.62
26/11/2024	04:30	58	49	72	181	0.57
26/11/2024	04:45	57	51	72	184	0.54
26/11/2024	05:00	58	50	71	203	0.53
26/11/2024	05:15	60	50	74	241	0.20
26/11/2024	05:30	61	51	72	174	0.41
26/11/2024	05:45	59	50	70	189	0.41
26/11/2024	06:00	61	52	70	177	0.55
26/11/2024	06:15	61	54	76	330	0.21
26/11/2024	06:30	62	54	75	203	0.27
26/11/2024	06:45	62	55	76	192	0.41
26/11/2024	23:00	57	45	73	315	0.33
26/11/2024	23:15	58	44	78	265	0.31
26/11/2024	23:30	55	48	67	272	0.17
26/11/2024	23:45	54	46	75	304	0.25
27/11/2024	00:00	52	41	67	287	0.22
27/11/2024	00:15	50	40	65	267	0.19
27/11/2024	00:30	46	40	64	311	0.23
27/11/2024	00:45	48	41	66	233	0.13
27/11/2024	01:00	47	39	69	203	0.20

27/11/2024	01:15	48	41	63	302	0.25
27/11/2024	01:30	51	37	69	238	0.15
27/11/2024	01:45	52	39	73	328	0.32
27/11/2024	02:00	48	35	68	327	0.23
27/11/2024	02:15	53	36	75	289	0.23
27/11/2024	23:00	55	45	72	293	0.20
27/11/2024	23:15	52	46	67	229	0.16
27/11/2024	23:30	53	48	70	229	0.18
27/11/2024	23:45	53	47	67	320	0.22
28/11/2024	00:00	54	48	72	254	0.11
28/11/2024	00:15	53	47	72	219	0.21
28/11/2024	00:30	51	48	68	207	0.15
28/11/2024	00:45	51	49	62	309	0.23
28/11/2024	01:00	51	48	68	289	0.21
28/11/2024	01:15	51	44	68	221	0.22
28/11/2024	01:30	49	43	69	268	0.23
28/11/2024	01:45	50	43	70	304	0.18
28/11/2024	02:00	54	43	70	190	0.23
28/11/2024	02:15	48	43	68	219	0.15
28/11/2024	02:30	53	48	70	240	0.12
28/11/2024	02:45	53	49	68	329	0.21
28/11/2024	03:00	48	44	65	230	0.21
28/11/2024	03:15	51	45	69	298	0.13
28/11/2024	03:30	53	44	73	214	0.14
28/11/2024	03:45	51	46	71	287	0.14
28/11/2024	04:00	55	48	71	236	0.12
28/11/2024	04:15	56	48	70	247	0.13
28/11/2024	04:30	56	47	73	263	0.13
28/11/2024	04:45	57	47	69	229	0.16
28/11/2024	05:00	57	48	72	314	0.18
28/11/2024	05:15	59	47	70	302	0.16
28/11/2024	05:30	59	48	70	291	0.12
28/11/2024	05:45	60	48	72	301	0.17
28/11/2024	06:00	60	49	74	303	0.17
28/11/2024	06:15	60	49	71	210	0.24
28/11/2024	06:30	62	51	82	245	0.18
28/11/2024	06:45	61	52	76	297	0.20
28/11/2024	23:00	53	46	67	185	0.56
28/11/2024	23:15	54	48	68	182	0.98
28/11/2024	23:30	53	47	67	185	1.04
28/11/2024	23:45	54	48	72	185	1.00
29/11/2024	00:00	53	48	70	184	1.11
29/11/2024	00:15	53	48	64	187	1.01
29/11/2024	00:30	55	47	72	187	0.84
29/11/2024	00:45	51	47	65	185	0.69
29/11/2024	01:00	51	47	67	181	0.79
29/11/2024	01:15	54	49	70	180	0.85
29/11/2024	01:30	55	50	75	178	0.80
29/11/2024	01:45	51	49	64	175	0.69
29/11/2024	02:00	54	50	69	178	0.80
29/11/2024	02:15	51	48	66	180	0.70
29/11/2024	02:30	53	48	67	179	0.69
29/11/2024	02:45	54	49	73	182	0.89
29/11/2024	03:00	50	49	55	181	0.74
29/11/2024	03:15	54	47	70	185	0.69
29/11/2024	03:30	53	47	73	185	0.68

29/11/2024	03:45	54	46	72	186	0.50
29/11/2024	04:00	51	46	66	188	0.51
29/11/2024	04:15	55	44	74	272	0.16
29/11/2024	04:30	55	47	69	207	0.41
29/11/2024	04:45	56	47	70	178	1.07
29/11/2024	05:00	58	46	70	181	0.79
29/11/2024	05:15	59	46	73	177	0.55
29/11/2024	05:30	59	48	72	186	0.55
29/11/2024	05:45	57	46	72	204	0.30
29/11/2024	06:00	60	47	75	190	0.46
29/11/2024	06:15	59	48	72	203	0.41
29/11/2024	06:30	60	47	72	190	0.35
29/11/2024	06:45	61	49	74	185	0.74
29/11/2024	23:00	56	49	69	190	0.84
29/11/2024	23:15	57	47	70	185	0.70
29/11/2024	23:30	53	47	65	184	0.73
29/11/2024	23:45	54	47	67	179	0.90
30/11/2024	00:00	55	49	67	171	0.88
30/11/2024	00:15	54	49	70	182	0.61
30/11/2024	00:30	55	50	69	180	0.65
30/11/2024	00:45	54	49	69	170	0.87
30/11/2024	01:00	55	50	72	181	0.59
30/11/2024	01:15	55	49	72	179	0.68
30/11/2024	01:30	53	48	66	178	0.78
30/11/2024	01:45	51	46	69	176	0.68
30/11/2024	02:00	51	46	70	178	0.84
30/11/2024	02:15	51	49	66	170	1.16
30/11/2024	02:30	53	48	70	174	1.22
30/11/2024	02:45	50	48	65	174	1.19
30/11/2024	03:00	54	49	74	179	0.80
30/11/2024	03:15	50	47	64	185	0.56
30/11/2024	03:30	54	48	70	177	0.79
30/11/2024	03:45	51	48	66	174	0.94
30/11/2024	04:00	53	48	70	175	0.71
30/11/2024	04:15	50	48	66	187	0.61
30/11/2024	04:30	54	46	74	195	0.56
30/11/2024	04:45	54	46	70	185	0.62
30/11/2024	05:00	51	38	65	209	0.48
30/11/2024	05:15	53	38	69	210	0.40
30/11/2024	05:30	56	47	71	206	0.36
30/11/2024	05:45	54	45	66	190	0.48
30/11/2024	06:00	58	47	71	225	0.27
30/11/2024	06:15	56	47	71	187	0.48
30/11/2024	06:30	56	48	69	177	0.66
30/11/2024	06:45	57	50	75	176	0.95
30/11/2024	23:00	54	47	67	178	0.92
30/11/2024	23:15	53	47	67	176	1.05
30/11/2024	23:30	55	47	69	180	1.12
30/11/2024	23:45	55	48	70	181	1.02
01/12/2024	00:00	53	47	65	182	0.91
01/12/2024	00:15	54	47	68	181	0.80
01/12/2024	00:30	52	47	66	183	0.84
01/12/2024	00:45	52	46	66	179	0.82
01/12/2024	01:00	50	45	66	185	0.69
01/12/2024	01:15	53	45	68	180	0.84
01/12/2024	01:30	49	45	67	176	1.02

01/12/2024	01:45	51	46	65	182	1.06
01/12/2024	02:00	48	46	63	176	1.19
01/12/2024	02:15	49	45	68	179	1.15
01/12/2024	02:30	50	46	65	177	1.26
01/12/2024	02:45	51	47	66	176	1.30
01/12/2024	05:45	54	47	69	173	0.71
01/12/2024	06:00	58	48	73	173	0.73
01/12/2024	06:15	54	47	69	184	0.58
01/12/2024	23:00	54	47	69	228	0.67
01/12/2024	23:15	52	46	65	239	0.58
01/12/2024	23:30	52	46	68	233	0.79
01/12/2024	23:45	54	47	71	224	0.71
02/12/2024	00:00	53	47	70	239	0.87
02/12/2024	00:15	48	45	59	233	0.77
02/12/2024	00:30	48	41	63	229	0.49
02/12/2024	00:45	49	41	70	240	0.39
02/12/2024	01:00	45	39	66	273	0.24
02/12/2024	01:15	51	40	71	192	0.47
02/12/2024	01:30	48	39	68	236	0.37
02/12/2024	01:45	48	42	68	203	0.45
02/12/2024	02:00	52	47	68	195	0.55
02/12/2024	02:15	51	47	70	190	0.70
02/12/2024	02:30	51	47	69	180	0.94
02/12/2024	02:45	51	49	63	185	0.74
02/12/2024	03:00	54	48	71	188	0.61
02/12/2024	03:15	54	49	73	185	0.76
02/12/2024	03:30	53	47	72	197	0.61
02/12/2024	05:30	60	47	72	320	1.45
02/12/2024	05:45	59	45	72	326	1.95
02/12/2024	06:00	61	45	72	316	1.52
02/12/2024	06:15	58	47	71	311	1.02
02/12/2024	06:30	61	48	76	311	1.19
02/12/2024	06:45	61	49	73	323	1.50
02/12/2024	23:00	51	38	66	264	0.16
02/12/2024	23:15	55	39	70	259	0.20
02/12/2024	23:30	51	45	66	321	0.24
02/12/2024	23:45	51	46	67	321	0.25
03/12/2024	00:00	53	46	71	338	0.30
03/12/2024	00:15	48	39	67	239	0.18
03/12/2024	00:30	51	40	70	179	0.35
03/12/2024	00:45	51	42	76	319	0.20
03/12/2024	01:00	48	41	66	235	0.17
03/12/2024	01:15	47	39	67	240	0.27
03/12/2024	01:30	48	41	68	241	0.23
03/12/2024	01:45	50	42	68	259	0.15
03/12/2024	02:00	52	41	70	261	0.25
03/12/2024	02:15	48	41	68	230	0.18
03/12/2024	02:30	50	43	68	275	0.25
03/12/2024	02:45	47	42	67	276	0.13
03/12/2024	03:00	49	40	70	283	0.20
03/12/2024	03:15	51	40	71	200	0.19
03/12/2024	03:30	53	41	71	233	0.17
03/12/2024	03:45	53	40	68	263	0.17
03/12/2024	04:00	54	43	71	194	0.18
03/12/2024	04:15	57	44	71	257	0.10
03/12/2024	04:30	56	45	74	216	0.25

03/12/2024	04:45	58	45	77	305	0.13
03/12/2024	05:00	56	46	71	322	0.26
03/12/2024	05:15	59	43	71	247	0.16
03/12/2024	05:30	60	44	75	305	0.24
03/12/2024	05:45	59	44	73	228	0.14
03/12/2024	06:00	60	43	72	264	0.16
03/12/2024	06:15	59	44	70	252	0.13
03/12/2024	06:30	62	50	75	329	0.25
03/12/2024	06:45	60	45	73	312	0.17
03/12/2024	23:00	55	47	69	179	1.16
03/12/2024	23:15	53	45	72	182	0.76
03/12/2024	23:30	51	44	64	204	0.56
04/12/2024	01:00	51	46	67	195	0.64
04/12/2024	01:15	50	42	68	246	0.35
04/12/2024	01:30	50	45	66	212	0.51
04/12/2024	01:45	53	45	69	201	0.31
04/12/2024	02:00	52	46	70	198	0.41
04/12/2024	02:15	51	48	66	189	0.53
04/12/2024	02:30	53	49	71	185	0.46
04/12/2024	02:45	53	50	68	178	0.57
04/12/2024	03:00	56	50	74	184	0.34
04/12/2024	03:15	53	48	70	218	0.23
04/12/2024	03:30	55	49	73	269	0.22
04/12/2024	03:45	55	49	71	302	0.21
04/12/2024	04:00	55	49	74	279	0.25
04/12/2024	04:15	56	49	77	180	0.19
04/12/2024	04:30	57	50	72	211	0.33
04/12/2024	04:45	58	49	75	204	0.33
04/12/2024	05:00	57	50	69	300	0.28
04/12/2024	05:15	60	51	73	277	0.20
04/12/2024	05:30	60	52	72	250	0.31
04/12/2024	05:45	59	51	70	322	0.35
04/12/2024	06:00	61	51	72	220	0.21
04/12/2024	06:15	61	52	74	188	0.38
04/12/2024	06:30	61	53	70	180	0.29
04/12/2024	06:45	62	53	81	199	0.16
04/12/2024	23:00	57	50	70	183	1.27
04/12/2024	23:15	56	49	70	181	1.08
04/12/2024	23:30	54	49	70	181	1.13
04/12/2024	23:45	53	49	66	180	0.93
05/12/2024	00:00	57	48	71	184	0.61
05/12/2024	00:15	54	48	72	178	0.74
05/12/2024	02:00	54	48	72	183	1.04
05/12/2024	02:15	53	48	69	181	1.03
05/12/2024	02:30	49	47	70	181	0.80
05/12/2024	02:45	53	48	71	176	0.85
05/12/2024	03:00	52	48	66	177	0.70
05/12/2024	03:15	51	49	62	188	1.04
05/12/2024	03:30	53	48	70	195	1.03
05/12/2024	03:45	55	49	73	197	0.84
05/12/2024	04:00	55	49	72	191	0.67
05/12/2024	04:15	58	51	73	211	0.66
05/12/2024	06:00	61	49	72	259	0.90
05/12/2024	06:15	61	50	71	244	1.05
05/12/2024	06:30	61	51	72	253	0.98
05/12/2024	06:45	61	51	73	239	1.07

05/12/2024	23:45	57	50	73	327	2.71
06/12/2024	00:00	55	49	69	326	2.99
06/12/2024	00:15	53	47	66	326	2.92
06/12/2024	00:30	54	47	70	326	2.79
06/12/2024	00:45	52	45	69	326	2.41
06/12/2024	01:00	49	44	67	325	2.05
06/12/2024	01:15	50	45	69	326	2.36
06/12/2024	01:30	50	45	64	325	2.21
06/12/2024	01:45	51	45	68	326	2.37
06/12/2024	02:00	55	45	76	322	1.84
06/12/2024	02:15	52	46	68	321	1.82
06/12/2024	02:30	54	46	71	321	2.01
06/12/2024	02:45	53	46	71	326	2.31
06/12/2024	03:00	54	46	73	326	2.22
06/12/2024	03:15	50	43	70	324	1.67
06/12/2024	03:30	52	42	67	328	1.89
06/12/2024	03:45	53	43	70	321	1.58
06/12/2024	04:00	54	45	70	309	0.98
06/12/2024	04:15	53	41	71	316	1.11
06/12/2024	04:30	56	41	76	199	0.63
06/12/2024	04:45	55	42	75	223	0.55
06/12/2024	05:00	57	43	74	282	0.90
06/12/2024	05:15	57	44	69	314	1.15
06/12/2024	05:30	60	47	72	325	2.06
06/12/2024	05:45	59	46	77	325	2.00
06/12/2024	06:00	61	48	74	285	1.07
06/12/2024	06:15	60	47	70	287	0.96
06/12/2024	06:30	60	48	74	321	1.16
06/12/2024	06:45	62	49	76	321	1.18
07/12/2024	00:00	58	54	74	198	2.32
07/12/2024	00:15	58	54	75	203	2.45
07/12/2024	00:30	60	54	79	197	2.86
07/12/2024	00:45	59	55	78	204	2.51
07/12/2024	01:00	59	53	83	200	2.65
07/12/2024	01:15	60	54	79	203	2.89
07/12/2024	01:30	58	54	75	203	2.46
07/12/2024	01:45	55	52	68	200	2.23
07/12/2024	02:00	53	50	67	205	1.87
07/12/2024	02:15	53	50	70	214	1.68
07/12/2024	23:30	60	53	77	337	2.71
07/12/2024	23:45	61	53	74	338	2.81
08/12/2024	00:00	58	53	76	342	2.41
08/12/2024	00:15	58	52	74	338	2.38
08/12/2024	00:30	58	52	75	340	2.34
08/12/2024	00:45	60	53	73	340	2.88
08/12/2024	01:00	57	50	76	337	2.39
08/12/2024	01:15	56	51	70	338	2.34
08/12/2024	01:30	56	51	67	340	2.18
08/12/2024	01:45	57	51	73	339	2.40
08/12/2024	02:00	57	50	72	340	2.53
08/12/2024	02:15	58	51	76	341	2.35
08/12/2024	02:30	55	50	71	340	2.20
08/12/2024	02:45	57	50	71	339	2.30
08/12/2024	03:00	58	51	72	338	2.51
08/12/2024	03:15	56	50	76	337	2.31
08/12/2024	03:30	56	50	73	338	2.41

08/12/2024	03:45	56	49	73	336	2.23
08/12/2024	04:00	55	49	70	336	2.30
08/12/2024	04:15	56	48	75	340	2.18
08/12/2024	04:30	54	47	70	338	2.16
08/12/2024	04:45	56	47	73	340	2.01
08/12/2024	05:00	54	45	70	340	1.73
08/12/2024	05:15	54	45	73	343	1.70
08/12/2024	05:30	56	44	72	345	1.76
08/12/2024	05:45	55	43	72	340	1.73
08/12/2024	06:00	58	44	74	342	1.55
08/12/2024	06:15	54	43	70	342	1.27
08/12/2024	06:30	55	42	69	337	1.21
08/12/2024	06:45	55	42	71	340	1.23
08/12/2024	23:00	50	37	69	342	0.92
08/12/2024	23:15	50	37	65	343	1.26
08/12/2024	23:30	51	36	68	347	1.14
08/12/2024	23:45	50	36	71	342	1.04
09/12/2024	00:00	48	35	68	343	1.15
09/12/2024	00:15	48	35	69	343	1.21
09/12/2024	00:30	44	35	64	338	0.91
09/12/2024	00:45	49	36	74	341	1.13
09/12/2024	01:00	43	36	60	341	1.01
09/12/2024	01:15	51	37	68	345	1.18
09/12/2024	01:30	47	37	70	342	1.22
09/12/2024	01:45	52	37	72	344	1.28
09/12/2024	02:00	52	36	70	343	1.02
09/12/2024	02:15	47	35	66	342	0.96
09/12/2024	02:30	45	35	64	346	1.09
09/12/2024	02:45	50	34	69	341	1.15
09/12/2024	03:00	54	35	72	341	1.18
09/12/2024	03:15	50	35	73	337	1.03
09/12/2024	03:30	51	35	72	344	0.77
09/12/2024	03:45	52	35	73	340	0.60
09/12/2024	04:00	52	35	72	345	0.89
09/12/2024	04:15	53	36	72	342	1.10
09/12/2024	04:30	56	37	72	345	1.06
09/12/2024	04:45	57	38	73	341	1.44
09/12/2024	05:00	55	38	74	343	1.16
09/12/2024	05:15	57	40	71	344	1.01
09/12/2024	05:30	57	43	70	343	0.86
09/12/2024	05:45	59	42	77	344	0.81
09/12/2024	06:00	60	43	70	340	0.65
09/12/2024	06:15	59	44	73	341	0.69
09/12/2024	06:30	58	44	73	343	0.95
09/12/2024	06:45	60	48	76	344	1.15
09/12/2024	23:00	52	35	68	343	0.88
09/12/2024	23:15	51	36	69	345	0.90
09/12/2024	23:30	51	35	67	340	0.97
09/12/2024	23:45	49	34	69	342	0.80
10/12/2024	00:00	44	34	64	334	0.89
10/12/2024	00:15	48	34	72	338	0.80
10/12/2024	00:30	46	33	67	342	0.97
10/12/2024	00:45	48	34	72	343	0.92
10/12/2024	01:00	47	34	67	332	0.74
10/12/2024	01:15	45	33	66	342	0.91
10/12/2024	01:30	48	33	70	341	0.91

10/12/2024	01:45	44	33	65	338	0.66
10/12/2024	02:00	48	33	66	341	1.08
10/12/2024	02:15	45	33	66	339	0.74
10/12/2024	02:30	45	33	68	341	0.83
10/12/2024	02:45	49	33	73	348	1.01
10/12/2024	03:00	49	33	69	344	1.00
10/12/2024	03:15	40	33	59	338	0.97
10/12/2024	03:30	50	33	70	342	0.80
10/12/2024	03:45	51	33	71	342	0.85
10/12/2024	04:00	50	33	70	343	1.06
10/12/2024	04:15	51	33	69	339	0.77
10/12/2024	04:30	55	35	74	341	1.10
10/12/2024	04:45	57	37	73	345	1.07
10/12/2024	05:00	57	39	71	342	0.98
10/12/2024	05:15	58	40	72	341	0.96
10/12/2024	05:30	58	40	74	343	0.90
10/12/2024	05:45	57	39	72	338	0.67
10/12/2024	06:00	60	44	73	342	0.78
10/12/2024	06:15	59	42	74	347	0.92
10/12/2024	06:30	59	44	68	344	0.79
10/12/2024	06:45	60	45	76	341	0.90
10/12/2024	23:00	50	33	70	332	0.50
10/12/2024	23:15	47	33	66	329	0.42
10/12/2024	23:30	46	33	65	315	0.36
10/12/2024	23:45	50	34	69	336	0.42
11/12/2024	00:00	49	33	71	335	0.34
11/12/2024	00:15	49	34	68	325	0.31
11/12/2024	00:30	46	33	62	335	0.43
11/12/2024	00:45	48	32	67	338	0.48
11/12/2024	01:00	47	33	65	342	0.63
11/12/2024	01:15	45	33	68	338	0.61
11/12/2024	01:30	44	33	67	341	0.46
11/12/2024	01:45	51	35	69	328	0.32
11/12/2024	02:00	49	34	68	336	0.39
11/12/2024	02:15	46	34	67	282	0.20
11/12/2024	02:30	53	35	75	229	0.21
11/12/2024	02:45	49	35	67	305	0.27
11/12/2024	03:00	49	34	69	317	0.24
11/12/2024	03:15	47	34	65	293	0.20
11/12/2024	03:30	52	34	70	303	0.26
11/12/2024	03:45	48	35	68	326	0.30
11/12/2024	04:00	51	34	71	334	0.37
11/12/2024	04:15	53	35	71	324	0.29
11/12/2024	04:30	55	35	69	323	0.38
11/12/2024	04:45	53	34	72	341	0.44
11/12/2024	05:00	57	36	69	332	0.32
11/12/2024	05:15	57	37	70	344	0.45
11/12/2024	05:30	57	39	71	316	0.37
11/12/2024	05:45	59	40	80	320	0.30
11/12/2024	06:00	59	41	71	299	0.35
11/12/2024	06:15	58	41	73	252	0.27
11/12/2024	06:30	59	42	70	265	0.24
11/12/2024	06:45	60	47	74	291	0.27
11/12/2024	23:00	52	40	70	248	0.11
11/12/2024	23:15	50	36	69	288	0.14
11/12/2024	23:30	53	34	75	276	0.17

11/12/2024	23:45	50	34	68	328	0.17
12/12/2024	00:00	50	34	70	329	0.19
12/12/2024	00:15	48	34	69	270	0.23
12/12/2024	00:30	47	34	70	316	0.24
12/12/2024	00:45	46	34	63	273	0.24
12/12/2024	01:00	48	34	71	289	0.24
12/12/2024	01:15	41	35	65	286	0.23
12/12/2024	01:30	43	35	64	286	0.19
12/12/2024	01:45	36	35	41	322	0.22
12/12/2024	02:00	48	36	66	251	0.18
12/12/2024	02:15	51	36	72	287	0.19
12/12/2024	02:30	49	36	68	217	0.19
12/12/2024	02:45	47	36	68	248	0.16
12/12/2024	03:00	46	36	68	252	0.19
12/12/2024	03:15	42	35	60	228	0.23
12/12/2024	03:30	48	35	68	271	0.25
12/12/2024	03:45	49	36	70	246	0.21
12/12/2024	04:00	54	36	71	254	0.19
12/12/2024	04:15	54	36	71	247	0.18
12/12/2024	04:30	54	36	72	243	0.23
12/12/2024	04:45	56	37	71	217	0.21
12/12/2024	05:00	56	38	71	220	0.25
12/12/2024	05:15	58	41	70	192	0.21
12/12/2024	05:30	59	41	72	255	0.18
12/12/2024	05:45	56	40	70	197	0.22
12/12/2024	06:00	60	41	72	208	0.20
12/12/2024	06:15	57	41	69	204	0.16
12/12/2024	06:30	58	43	69	240	0.14
12/12/2024	06:45	59	43	76	286	0.12
12/12/2024	23:00	55	37	69	248	0.16
12/12/2024	23:15	54	37	69	289	0.15
12/12/2024	23:30	53	36	70	288	0.19
12/12/2024	23:45	47	36	65	322	0.25
13/12/2024	00:00	57	35	79	315	0.13
13/12/2024	00:15	51	35	71	313	0.20
13/12/2024	00:30	50	35	65	332	0.24
13/12/2024	00:45	41	34	60	329	0.25
13/12/2024	01:00	37	35	59	246	0.31
13/12/2024	01:15	47	35	67	310	0.20
13/12/2024	01:30	48	36	69	320	0.21
13/12/2024	01:45	40	36	60	303	0.17
13/12/2024	02:00	52	36	69	327	0.33
13/12/2024	02:15	49	36	67	322	0.23
13/12/2024	02:30	48	35	70	321	0.24
13/12/2024	02:45	48	35	66	335	0.30
13/12/2024	03:00	49	34	69	336	0.17
13/12/2024	03:15	47	35	69	319	0.24
13/12/2024	03:30	50	37	67	244	0.14
13/12/2024	03:45	49	35	72	288	0.30
13/12/2024	04:00	51	36	69	236	0.26
13/12/2024	04:15	53	38	72	217	0.18
13/12/2024	04:30	53	39	72	272	0.19
13/12/2024	04:45	56	39	70	297	0.16
13/12/2024	05:00	56	40	70	207	0.13
13/12/2024	05:15	57	43	72	278	0.19
13/12/2024	05:30	59	42	70	297	0.25

13/12/2024	05:45	59	44	70	322	0.17
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Raw data and central tendencies for location NSR 2a: 11 Maes-Y-Waun

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	46	42	62
Mean	48	44	63
Mean - 1 s.d.	45	41	-
Log Average	50	-	-

Table 2: Daytime period (07:00 to 23:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	17:00	49	46	58	230	0.63
25/11/2024	17:15	49	46	59	211	0.62
25/11/2024	20:00	47	45	56	225	0.49
25/11/2024	20:15	46	44	56	183	0.30
25/11/2024	20:30	47	44	58	184	0.90
25/11/2024	20:45	46	44	57	232	0.69
25/11/2024	21:00	46	43	67	231	0.54
25/11/2024	21:15	46	44	64	199	0.54
25/11/2024	21:30	47	44	66	220	0.44
25/11/2024	21:45	45	40	56	238	0.29
25/11/2024	22:00	41	36	57	206	0.44
25/11/2024	22:15	40	37	51	180	0.70
25/11/2024	22:30	44	38	62	181	0.87
25/11/2024	22:45	44	42	56	185	0.54
26/11/2024	07:00	48	45	61	192	0.52
26/11/2024	07:15	48	44	61	189	0.37
26/11/2024	07:30	48	44	62	223	0.21
26/11/2024	07:45	49	46	61	236	0.25
26/11/2024	08:00	50	47	65	196	0.31
26/11/2024	08:15	51	48	62	201	0.15
26/11/2024	08:30	50	48	63	187	0.23
26/11/2024	08:45	53	51	67	294	0.26
26/11/2024	09:00	52	48	60	174	0.79
26/11/2024	09:15	48	44	63	177	0.71
26/11/2024	09:30	47	42	62	237	0.60
26/11/2024	09:45	47	41	60	202	0.45
26/11/2024	10:00	50	40	82	175	0.55
26/11/2024	10:15	48	41	71	186	0.43
26/11/2024	10:30	45	39	60	202	0.29
26/11/2024	10:45	48	39	67	193	0.28
26/11/2024	11:00	47	44	58	222	0.59
26/11/2024	11:15	48	44	62	226	0.62
26/11/2024	11:30	47	44	61	245	0.58
26/11/2024	11:45	47	43	62	225	0.76
26/11/2024	12:00	51	44	74	230	0.88
26/11/2024	12:15	47	42	64	238	0.76
26/11/2024	12:30	45	39	61	200	0.67
26/11/2024	12:45	44	37	59	192	0.62
26/11/2024	13:00	64	39	96	184	0.73
26/11/2024	13:15	44	39	59	197	0.58
26/11/2024	13:30	44	39	62	305	0.41

26/11/2024	13:45	47	41	62	313	0.38
26/11/2024	14:00	45	40	64	279	0.32
26/11/2024	14:15	46	42	65	296	0.39
26/11/2024	14:30	46	40	63	291	0.29
26/11/2024	14:45	45	40	60	308	0.28
26/11/2024	15:00	47	41	66	315	0.23
26/11/2024	15:15	45	40	62	279	0.25
26/11/2024	15:30	47	42	65	279	0.27
26/11/2024	15:45	48	46	64	246	0.21
26/11/2024	16:00	49	45	61	289	0.18
26/11/2024	16:15	50	46	70	249	0.29
26/11/2024	16:30	51	48	69	242	0.22
26/11/2024	16:45	50	47	61	270	0.17
26/11/2024	17:00	51	48	61	307	0.24
26/11/2024	17:15	51	48	60	253	0.36
26/11/2024	17:30	52	50	64	250	0.23
26/11/2024	17:45	51	49	57	282	0.19
26/11/2024	18:00	50	47	61	211	0.40
26/11/2024	18:15	50	47	58	276	0.21
26/11/2024	18:30	49	47	62	216	0.25
26/11/2024	18:45	49	48	61	310	0.22
26/11/2024	19:00	50	45	75	298	0.27
26/11/2024	19:15	54	46	82	324	0.27
26/11/2024	19:30	49	46	64	217	0.20
26/11/2024	19:45	46	43	57	264	0.19
26/11/2024	20:00	47	42	64	299	0.21
26/11/2024	20:15	49	46	57	304	0.21
26/11/2024	20:30	48	45	58	300	0.23
26/11/2024	20:45	48	44	59	302	0.18
26/11/2024	21:00	49	46	64	271	0.14
26/11/2024	21:15	47	44	58	292	0.32
26/11/2024	21:30	48	44	60	307	0.21
26/11/2024	21:45	48	45	58	279	0.17
26/11/2024	22:00	48	45	58	311	0.27
26/11/2024	22:15	48	45	62	288	0.13
26/11/2024	22:30	48	46	61	306	0.20
26/11/2024	22:45	48	45	59	303	0.21
27/11/2024	08:00	52	49	69	336	0.35
27/11/2024	08:15	50	49	62	340	0.34
27/11/2024	08:30	51	49	73	341	0.41
27/11/2024	08:45	52	50	63	331	0.33
27/11/2024	09:00	51	49	63	339	0.21
27/11/2024	09:15	51	49	64	327	0.24
27/11/2024	09:30	50	48	62	335	0.30
27/11/2024	09:45	52	48	65	347	0.46
27/11/2024	10:00	52	47	70	342	0.59
27/11/2024	10:15	49	47	63	338	0.54
27/11/2024	10:30	50	48	61	330	1.07
27/11/2024	10:45	49	47	56	327	0.92
27/11/2024	11:00	49	47	62	327	0.80
27/11/2024	11:15	49	47	59	330	0.91
27/11/2024	11:30	49	46	63	327	0.77
27/11/2024	11:45	49	46	63	329	0.70
27/11/2024	12:00	49	46	63	327	0.96
27/11/2024	12:15	49	46	62	327	0.97
27/11/2024	12:30	48	46	59	326	1.00

27/11/2024	12:45	48	46	60	327	1.18
27/11/2024	13:00	49	47	62	328	1.39
27/11/2024	13:15	48	46	59	326	0.91
27/11/2024	13:30	50	47	66	327	1.10
27/11/2024	13:45	50	47	64	326	1.35
27/11/2024	14:00	49	47	58	325	1.25
27/11/2024	14:15	49	47	61	326	1.02
27/11/2024	14:30	49	48	56	326	1.07
27/11/2024	14:45	49	48	62	327	0.90
27/11/2024	15:00	49	47	60	330	0.58
27/11/2024	15:15	49	46	63	323	0.50
27/11/2024	15:30	49	47	62	326	0.45
27/11/2024	15:45	48	46	62	317	0.40
27/11/2024	16:00	48	46	57	322	0.34
27/11/2024	16:15	50	47	65	313	0.38
27/11/2024	16:30	50	48	66	314	0.35
27/11/2024	16:45	50	48	64	282	0.23
27/11/2024	17:00	51	47	64	222	0.26
27/11/2024	17:15	50	47	58	218	0.21
27/11/2024	17:30	49	47	65	187	0.25
27/11/2024	17:45	50	48	58	198	0.22
27/11/2024	18:00	50	48	63	189	0.29
27/11/2024	18:15	50	47	58	213	0.18
27/11/2024	18:30	49	46	65	309	0.22
27/11/2024	18:45	50	48	58	320	0.21
27/11/2024	19:00	50	48	63	207	0.17
27/11/2024	19:15	49	47	61	269	0.15
27/11/2024	19:30	47	44	61	232	0.17
27/11/2024	19:45	48	44	64	299	0.23
27/11/2024	20:00	48	45	56	293	0.14
27/11/2024	20:15	48	46	60	284	0.18
27/11/2024	20:30	48	45	61	278	0.26
27/11/2024	20:45	48	46	55	296	0.18
27/11/2024	21:00	48	46	55	216	0.15
27/11/2024	21:15	48	46	59	269	0.20
27/11/2024	21:30	48	47	56	222	0.15
27/11/2024	21:45	48	45	68	187	0.14
27/11/2024	22:00	48	45	53	245	0.18
27/11/2024	22:15	48	47	54	300	0.25
27/11/2024	22:30	49	47	58	303	0.28
27/11/2024	22:45	49	47	56	288	0.20
28/11/2024	07:00	53	50	63	231	0.16
28/11/2024	07:15	50	48	59	292	0.18
28/11/2024	07:30	50	48	60	248	0.13
28/11/2024	07:45	49	46	62	183	0.24
28/11/2024	08:00	49	46	66	230	0.18
28/11/2024	08:15	48	45	61	236	0.13
28/11/2024	08:30	50	47	65	197	0.23
28/11/2024	08:45	52	49	69	213	0.19
28/11/2024	09:00	51	49	68	316	0.23
28/11/2024	09:15	51	46	65	311	0.25
28/11/2024	09:30	49	46	64	264	0.13
28/11/2024	09:45	51	47	68	224	0.15
28/11/2024	10:00	49	45	74	197	0.35
28/11/2024	10:15	50	45	66	185	0.55
28/11/2024	10:30	47	44	70	179	0.44

28/11/2024	10:45	47	43	63	181	0.49
28/11/2024	11:00	46	43	57	177	0.54
28/11/2024	11:15	46	42	63	175	0.74
28/11/2024	11:30	46	41	60	174	0.65
28/11/2024	11:45	46	41	61	177	0.72
28/11/2024	12:00	46	41	66	181	0.62
28/11/2024	12:15	46	41	62	177	0.79
28/11/2024	12:30	45	41	62	183	0.60
28/11/2024	12:45	45	40	65	182	0.60
28/11/2024	13:00	47	41	74	187	0.45
28/11/2024	13:15	47	41	62	183	0.88
28/11/2024	13:30	45	41	58	186	0.65
28/11/2024	13:45	47	42	62	180	0.74
28/11/2024	14:00	46	40	65	182	0.96
28/11/2024	14:15	46	40	60	178	0.81
28/11/2024	14:30	47	41	65	183	0.77
28/11/2024	14:45	47	41	68	179	0.74
28/11/2024	15:00	46	42	58	184	0.79
28/11/2024	15:15	46	42	60	181	0.72
28/11/2024	15:30	46	42	61	186	0.67
28/11/2024	15:45	50	42	68	179	0.69
28/11/2024	16:00	47	43	60	178	0.82
28/11/2024	16:15	46	42	57	180	0.96
28/11/2024	16:30	46	42	63	182	0.57
28/11/2024	16:45	46	42	56	188	0.44
28/11/2024	17:00	47	44	61	182	0.60
28/11/2024	17:15	47	44	59	186	0.83
28/11/2024	17:30	47	42	60	181	0.79
28/11/2024	17:45	46	42	56	180	0.61
28/11/2024	18:00	46	41	56	178	0.84
28/11/2024	18:15	46	41	56	178	0.96
28/11/2024	18:30	45	41	61	180	0.77
28/11/2024	18:45	45	40	71	182	1.00
28/11/2024	19:00	45	40	71	180	0.95
28/11/2024	19:15	45	40	63	178	1.13
28/11/2024	19:30	44	40	58	180	1.10
28/11/2024	19:45	44	40	61	185	0.89
28/11/2024	20:00	44	40	57	186	0.81
28/11/2024	20:15	44	39	62	187	0.92
28/11/2024	20:30	53	41	80	185	0.87
28/11/2024	20:45	44	39	55	184	0.97
28/11/2024	21:00	43	38	56	187	0.70
28/11/2024	21:15	43	36	57	178	0.59
28/11/2024	21:30	43	37	53	177	0.47
28/11/2024	21:45	42	36	59	177	0.48
28/11/2024	22:00	42	35	54	181	0.52
28/11/2024	22:15	42	36	53	183	0.35
28/11/2024	22:30	40	36	53	203	0.34
28/11/2024	22:45	40	35	52	190	0.40
29/11/2024	07:00	46	42	61	182	0.63
29/11/2024	07:15	46	43	58	186	1.11
29/11/2024	07:30	48	42	63	185	1.24
29/11/2024	07:45	49	44	73	189	0.98
29/11/2024	08:00	47	43	58	190	0.92
29/11/2024	08:15	47	43	57	185	0.76
29/11/2024	08:30	48	43	63	187	0.63

29/11/2024	08:45	48	43	60	183	0.59
29/11/2024	09:00	46	41	62	183	0.54
29/11/2024	09:15	46	42	59	185	0.43
29/11/2024	09:30	46	41	66	189	0.49
29/11/2024	09:45	47	41	69	185	0.68
29/11/2024	10:00	45	40	62	182	0.87
29/11/2024	10:15	45	41	61	180	1.16
29/11/2024	10:30	45	41	64	188	0.65
29/11/2024	10:45	45	41	61	178	0.81
29/11/2024	11:00	46	41	62	176	0.80
29/11/2024	11:15	45	41	62	182	0.99
29/11/2024	11:30	46	42	62	177	1.07
29/11/2024	11:45	46	42	62	179	0.96
29/11/2024	12:00	46	43	61	182	0.72
29/11/2024	12:15	46	43	67	184	0.57
29/11/2024	12:30	46	42	59	188	0.58
29/11/2024	12:45	46	42	62	193	0.67
29/11/2024	13:00	46	42	60	187	1.01
29/11/2024	13:15	46	42	66	182	1.29
29/11/2024	13:30	45	43	55	178	1.34
29/11/2024	13:45	45	42	56	187	1.00
29/11/2024	14:00	45	43	56	178	0.92
29/11/2024	14:15	46	42	63	180	1.01
29/11/2024	14:30	46	42	59	188	0.83
29/11/2024	14:45	47	43	62	178	1.26
29/11/2024	15:00	47	44	63	178	1.37
29/11/2024	15:15	47	44	61	184	1.61
29/11/2024	15:30	46	43	57	183	1.61
29/11/2024	15:45	46	43	61	181	1.32
29/11/2024	16:00	48	43	64	177	1.49
29/11/2024	16:15	47	43	60	175	1.51
29/11/2024	16:30	46	43	64	183	1.20
29/11/2024	20:30	44	39	57	171	0.93
29/11/2024	20:45	43	38	57	177	1.14
29/11/2024	21:00	41	37	56	175	1.21
29/11/2024	21:15	43	38	60	198	0.69
29/11/2024	21:30	42	39	57	184	0.51
29/11/2024	21:45	41	36	65	177	0.99
29/11/2024	22:00	41	37	55	179	1.10
29/11/2024	22:15	41	37	57	188	0.54
29/11/2024	22:30	42	38	54	182	0.76
29/11/2024	22:45	41	38	61	186	0.88
30/11/2024	07:00	46	41	65	182	0.72
30/11/2024	07:15	46	42	59	253	0.36
30/11/2024	07:30	46	40	62	237	0.28
30/11/2024	07:45	49	40	68	215	0.43
30/11/2024	08:00	48	40	67	241	0.31
30/11/2024	08:15	46	41	64	294	0.26
30/11/2024	08:30	48	41	63	317	0.23
30/11/2024	08:45	46	43	64	228	0.27
30/11/2024	09:00	47	42	60	175	0.84
30/11/2024	09:15	47	43	63	175	1.01
30/11/2024	09:30	45	41	69	173	0.93
30/11/2024	09:45	45	40	60	175	0.86
30/11/2024	10:00	45	39	70	188	0.75
30/11/2024	10:15	49	40	80	194	0.72

30/11/2024	10:30	45	42	56	192	0.71
30/11/2024	10:45	47	43	61	186	0.92
30/11/2024	11:00	48	44	76	178	1.17
30/11/2024	11:15	47	44	63	179	1.09
30/11/2024	11:30	47	44	71	185	1.20
30/11/2024	11:45	47	44	57	189	1.24
30/11/2024	12:00	47	43	59	190	1.18
30/11/2024	12:15	46	42	60	188	0.86
30/11/2024	12:30	45	42	64	180	1.00
30/11/2024	12:45	48	42	65	181	1.29
30/11/2024	13:00	46	42	59	183	1.34
30/11/2024	13:15	49	43	78	181	1.14
30/11/2024	13:30	46	43	60	182	1.28
30/11/2024	13:45	47	42	64	182	1.03
30/11/2024	14:00	52	43	76	186	1.61
30/11/2024	14:15	48	44	63	182	1.31
30/11/2024	14:30	46	42	61	181	1.22
30/11/2024	14:45	46	42	61	182	1.28
30/11/2024	15:00	46	43	66	182	1.60
30/11/2024	15:15	46	42	63	184	1.19
30/11/2024	15:30	44	41	58	178	1.09
30/11/2024	15:45	45	41	61	177	1.05
30/11/2024	16:00	46	41	59	176	0.96
30/11/2024	16:15	48	44	60	179	1.04
30/11/2024	16:30	47	43	67	184	1.24
30/11/2024	16:45	46	41	70	182	1.03
30/11/2024	17:00	48	42	71	182	1.20
30/11/2024	17:15	47	42	66	180	1.07
30/11/2024	17:30	47	42	67	178	0.79
30/11/2024	17:45	65	42	93	202	0.51
30/11/2024	18:00	68	41	97	187	0.47
30/11/2024	18:15	44	40	57	184	0.49
30/11/2024	18:30	44	40	63	178	0.56
30/11/2024	18:45	44	40	53	184	1.23
30/11/2024	19:00	44	40	61	185	1.22
30/11/2024	19:15	44	40	53	186	0.91
30/11/2024	19:30	44	39	60	188	0.94
30/11/2024	19:45	44	38	61	185	0.66
30/11/2024	20:00	44	39	62	190	0.57
30/11/2024	20:15	43	39	53	201	0.33
30/11/2024	20:30	43	37	62	187	0.42
30/11/2024	20:45	44	38	66	181	0.80
30/11/2024	21:00	43	38	58	184	1.00
30/11/2024	21:15	44	38	63	177	1.20
30/11/2024	21:30	45	38	63	181	0.97
30/11/2024	21:45	43	38	56	179	0.64
30/11/2024	22:00	41	36	53	177	0.57
30/11/2024	22:15	43	37	57	179	0.78
30/11/2024	22:30	41	35	59	180	0.53
30/11/2024	22:45	48	36	83	177	0.71
01/12/2024	09:15	46	41	63	194	0.44
01/12/2024	09:30	46	41	61	213	0.41
01/12/2024	09:45	46	40	65	181	0.63
01/12/2024	10:00	46	41	69	184	0.52
01/12/2024	10:15	47	42	67	177	0.75
01/12/2024	10:30	47	42	70	181	0.85

01/12/2024	10:45	45	41	62	184	0.93
01/12/2024	11:00	46	40	63	183	0.91
01/12/2024	11:15	46	41	62	180	0.94
01/12/2024	11:30	46	41	63	182	0.95
01/12/2024	11:45	46	42	66	193	0.72
01/12/2024	12:00	46	42	67	212	0.76
01/12/2024	12:15	48	43	68	218	0.89
01/12/2024	12:30	47	44	61	225	0.77
01/12/2024	12:45	52	44	77	214	0.91
01/12/2024	13:00	49	44	70	201	0.69
01/12/2024	13:15	48	44	65	208	0.63
01/12/2024	13:30	47	43	74	186	1.20
01/12/2024	13:45	48	44	69	188	1.27
01/12/2024	14:00	46	42	70	183	1.14
01/12/2024	14:15	45	42	56	186	1.16
01/12/2024	14:30	49	42	74	180	1.06
01/12/2024	17:45	47	44	58	224	0.93
01/12/2024	18:00	48	44	58	218	0.75
01/12/2024	19:30	46	42	62	215	0.59
01/12/2024	19:45	46	43	68	215	0.71
01/12/2024	20:00	46	42	70	195	0.60
01/12/2024	20:15	44	41	60	189	0.58
01/12/2024	20:30	49	38	74	207	0.37
01/12/2024	20:45	45	39	55	184	0.43
01/12/2024	21:00	69	41	91	184	0.57
01/12/2024	22:30	42	41	54	223	0.26
01/12/2024	22:45	44	40	62	315	0.44
02/12/2024	07:00	52	49	67	322	1.66
02/12/2024	07:15	53	50	68	313	1.82
02/12/2024	07:30	52	50	66	325	1.68
02/12/2024	07:45	52	50	69	328	1.50
02/12/2024	08:00	51	49	61	322	1.17
02/12/2024	08:15	51	48	67	322	1.45
02/12/2024	08:30	51	48	75	332	1.29
02/12/2024	08:45	51	49	62	329	1.46
02/12/2024	09:00	50	48	60	330	0.67
02/12/2024	09:15	51	47	75	324	1.04
02/12/2024	09:30	49	47	63	311	0.94
02/12/2024	09:45	51	48	70	315	1.22
02/12/2024	10:00	50	47	60	311	1.62
02/12/2024	10:15	52	49	68	318	1.50
02/12/2024	10:30	51	49	62	305	1.29
02/12/2024	10:45	51	48	61	279	1.44
02/12/2024	11:00	52	50	62	273	1.75
02/12/2024	11:15	55	52	66	292	1.66
02/12/2024	11:30	52	49	62	259	1.80
02/12/2024	11:45	52	50	64	291	1.78
02/12/2024	12:00	51	49	65	307	1.34
02/12/2024	12:15	50	48	65	298	1.04
02/12/2024	12:30	51	49	66	291	1.07
02/12/2024	12:45	50	48	60	331	1.02
02/12/2024	13:00	50	48	59	330	1.15
02/12/2024	13:15	49	48	57	327	1.10
02/12/2024	13:30	50	49	56	323	1.31
02/12/2024	13:45	52	50	63	331	1.76
02/12/2024	14:00	53	51	64	346	1.53

02/12/2024	16:30	51	49	71	328	0.83
02/12/2024	16:45	50	48	58	325	0.65
02/12/2024	17:00	51	49	61	332	0.66
02/12/2024	17:15	50	48	59	330	0.61
02/12/2024	17:30	50	48	62	327	0.78
02/12/2024	17:45	49	47	62	328	0.63
02/12/2024	18:00	49	47	59	336	0.58
02/12/2024	18:15	48	46	55	338	0.55
02/12/2024	18:30	48	45	59	332	0.41
02/12/2024	18:45	47	45	58	333	0.47
02/12/2024	19:00	48	45	61	326	0.51
02/12/2024	19:15	47	45	55	340	0.91
02/12/2024	19:30	49	44	80	329	0.61
02/12/2024	19:45	47	43	64	324	0.48
02/12/2024	20:00	50	44	82	327	0.32
02/12/2024	20:15	47	43	71	299	0.25
02/12/2024	20:30	47	44	59	340	0.31
02/12/2024	20:45	47	45	57	325	0.37
02/12/2024	21:00	49	45	67	265	0.15
02/12/2024	21:15	47	44	64	278	0.24
02/12/2024	21:30	46	43	54	290	0.17
02/12/2024	21:45	46	44	55	197	0.22
02/12/2024	22:00	45	44	54	302	0.19
02/12/2024	22:15	45	44	53	331	0.30
02/12/2024	22:30	46	44	57	316	0.30
02/12/2024	22:45	46	45	54	230	0.16
03/12/2024	07:00	46	41	61	242	0.21
03/12/2024	07:15	47	43	61	217	0.28
03/12/2024	07:30	47	42	65	315	0.33
03/12/2024	07:45	47	44	61	236	0.15
03/12/2024	08:00	48	43	63	247	0.25
03/12/2024	08:15	47	43	59	224	0.16
03/12/2024	08:30	47	41	60	185	0.40
03/12/2024	08:45	46	40	58	199	0.40
03/12/2024	09:00	52	41	70	188	0.59
03/12/2024	09:15	44	39	58	193	0.39
03/12/2024	09:30	45	40	60	309	0.30
03/12/2024	09:45	45	39	65	257	0.34
03/12/2024	10:00	44	38	61	198	0.55
03/12/2024	10:15	44	39	63	189	0.46
03/12/2024	10:30	47	40	61	189	0.52
03/12/2024	10:45	45	39	57	192	0.40
03/12/2024	11:00	49	39	67	198	0.38
03/12/2024	11:15	46	40	61	228	0.35
03/12/2024	11:30	46	40	63	271	0.24
03/12/2024	11:45	44	40	57	324	0.21
03/12/2024	12:00	47	43	63	333	0.32
03/12/2024	12:15	46	44	62	264	0.47
03/12/2024	12:30	45	42	59	204	0.50
03/12/2024	12:45	45	42	59	185	0.71
03/12/2024	13:00	47	44	59	227	0.48
03/12/2024	13:15	46	43	61	216	0.41
03/12/2024	13:30	45	41	53	199	0.65
03/12/2024	13:45	44	41	56	191	0.86
03/12/2024	14:00	46	42	60	184	0.99
03/12/2024	14:15	45	42	61	180	0.98

03/12/2024	14:30	45	41	61	181	0.99
03/12/2024	14:45	46	43	64	185	0.87
03/12/2024	15:00	46	44	59	224	0.55
03/12/2024	15:15	47	44	61	226	0.49
03/12/2024	15:30	48	45	60	201	0.71
03/12/2024	15:45	46	43	60	199	0.55
03/12/2024	16:00	49	44	69	227	0.36
03/12/2024	16:15	49	46	67	223	0.42
03/12/2024	16:30	48	45	66	219	0.50
03/12/2024	16:45	48	46	60	231	0.46
03/12/2024	17:00	49	47	62	232	0.53
03/12/2024	17:15	48	45	58	234	0.43
03/12/2024	17:30	48	45	69	220	0.57
03/12/2024	17:45	47	44	67	207	0.51
03/12/2024	18:00	47	42	60	197	0.56
03/12/2024	18:15	47	44	72	194	0.60
03/12/2024	18:30	47	44	55	210	0.69
03/12/2024	18:45	47	44	58	222	0.69
03/12/2024	19:00	46	43	56	205	0.54
03/12/2024	19:15	45	41	62	183	0.63
03/12/2024	19:30	44	41	53	188	0.61
03/12/2024	19:45	45	42	63	182	0.51
03/12/2024	20:00	45	43	55	215	0.31
03/12/2024	20:15	46	43	57	265	0.25
03/12/2024	20:30	44	40	51	182	0.50
03/12/2024	20:45	43	40	53	179	0.54
03/12/2024	21:00	47	45	59	179	0.56
03/12/2024	21:15	46	45	52	180	0.73
03/12/2024	21:30	44	42	54	194	0.46
03/12/2024	21:45	46	43	58	184	0.80
03/12/2024	22:00	43	39	55	175	0.98
03/12/2024	22:15	41	37	53	173	0.92
03/12/2024	22:30	40	35	56	172	0.99
03/12/2024	22:45	40	35	52	173	0.98
04/12/2024	07:00	51	49	65	271	0.25
04/12/2024	07:15	52	50	62	233	0.21
04/12/2024	07:30	53	50	63	193	0.28
04/12/2024	07:45	53	51	64	182	0.45
04/12/2024	08:00	54	51	61	321	0.24
04/12/2024	08:15	52	50	62	307	0.20
04/12/2024	08:30	51	49	58	277	0.32
04/12/2024	08:45	51	49	63	208	0.24
04/12/2024	09:00	52	49	59	246	0.25
04/12/2024	09:15	48	44	61	193	0.59
04/12/2024	09:30	49	47	65	250	0.40
04/12/2024	09:45	50	45	67	233	0.25
04/12/2024	10:00	47	43	62	194	0.47
04/12/2024	10:15	47	42	62	186	0.58
04/12/2024	10:30	46	43	59	189	0.41
04/12/2024	10:45	47	42	64	193	0.36
04/12/2024	11:00	48	43	61	182	0.54
04/12/2024	11:15	50	45	64	182	0.53
04/12/2024	11:30	49	42	64	178	0.80
04/12/2024	11:45	47	41	55	176	0.62
04/12/2024	12:00	46	42	64	180	0.89
04/12/2024	12:15	45	40	59	179	0.89

04/12/2024	12:30	46	41	64	176	0.99
04/12/2024	12:45	44	40	55	178	0.89
04/12/2024	13:00	45	40	57	176	0.65
04/12/2024	13:15	46	42	62	187	0.48
04/12/2024	13:30	49	44	60	184	0.46
04/12/2024	13:45	51	47	61	182	0.44
04/12/2024	14:00	48	43	62	180	0.81
04/12/2024	14:15	48	44	58	178	1.00
04/12/2024	14:30	47	43	58	186	0.71
04/12/2024	14:45	46	42	60	223	0.46
04/12/2024	15:00	47	43	61	207	0.58
04/12/2024	15:15	47	44	59	182	1.00
04/12/2024	19:30	46	43	60	182	1.66
04/12/2024	19:45	46	43	57	181	1.62
04/12/2024	20:00	46	43	62	183	1.17
04/12/2024	20:15	45	42	54	187	1.23
04/12/2024	20:30	44	40	56	179	0.88
04/12/2024	20:45	42	39	51	183	0.67
04/12/2024	21:00	42	38	59	181	0.77
04/12/2024	21:15	43	39	56	186	0.73
04/12/2024	21:30	45	40	58	180	0.81
04/12/2024	21:45	45	41	63	194	0.64
04/12/2024	22:00	44	42	58	182	1.27
04/12/2024	22:15	45	42	59	189	1.43
04/12/2024	22:30	46	42	66	187	1.48
04/12/2024	22:45	46	42	56	186	1.47
05/12/2024	07:00	49	46	58	223	0.85
05/12/2024	07:15	50	47	60	222	1.24
05/12/2024	07:30	52	50	67	266	1.34
05/12/2024	07:45	53	50	71	259	1.33
05/12/2024	08:00	51	49	60	273	0.88
05/12/2024	08:15	51	49	62	252	0.87
05/12/2024	08:30	50	47	64	243	0.99
05/12/2024	08:45	49	46	59	232	0.79
05/12/2024	09:00	49	46	61	251	0.64
05/12/2024	09:15	50	47	60	258	0.90
05/12/2024	09:30	49	46	57	255	0.94
05/12/2024	09:45	49	46	63	243	0.71
05/12/2024	10:00	49	46	65	312	0.51
05/12/2024	10:15	49	46	67	244	0.56
05/12/2024	10:30	49	46	65	255	0.69
05/12/2024	10:45	48	46	57	224	0.91
05/12/2024	11:00	49	45	68	229	1.03
05/12/2024	11:15	47	44	62	214	0.82
05/12/2024	11:30	47	43	63	184	0.96
05/12/2024	11:45	46	43	59	180	1.18
05/12/2024	12:00	46	44	59	185	1.04
05/12/2024	19:45	58	50	86	318	2.25
05/12/2024	20:00	52	50	63	303	1.87
05/12/2024	20:15	52	50	63	319	1.95
05/12/2024	20:30	54	52	69	317	2.08
05/12/2024	20:45	54	52	67	319	2.17
05/12/2024	21:00	56	51	77	323	2.90
05/12/2024	21:15	53	50	74	323	2.55
05/12/2024	21:30	56	51	81	320	2.67
06/12/2024	07:00	49	47	62	245	0.66

06/12/2024	07:15	50	47	64	253	0.76
06/12/2024	07:30	52	49	63	321	0.99
06/12/2024	07:45	52	50	61	299	1.21
06/12/2024	08:00	51	49	61	271	0.51
06/12/2024	08:15	51	49	62	245	0.74
06/12/2024	08:30	51	48	65	251	0.60
06/12/2024	08:45	53	49	76	293	0.83
06/12/2024	09:00	50	48	63	228	0.81
06/12/2024	09:15	50	47	61	227	1.00
06/12/2024	09:30	49	46	58	224	0.91
06/12/2024	09:45	49	46	67	217	0.59
06/12/2024	10:00	49	46	64	235	0.56
06/12/2024	10:15	49	47	62	239	0.64
06/12/2024	10:30	48	45	71	210	0.58
06/12/2024	10:45	47	45	58	199	0.50
06/12/2024	11:00	48	46	61	244	0.53
06/12/2024	11:15	49	44	70	206	0.47
06/12/2024	11:30	46	42	66	208	0.51
06/12/2024	11:45	45	40	62	182	0.83
06/12/2024	12:00	46	40	63	177	1.06
06/12/2024	12:15	47	42	67	175	0.94
06/12/2024	12:30	46	42	64	177	0.99
06/12/2024	12:45	46	42	62	182	0.94
06/12/2024	13:00	48	41	66	188	0.64
06/12/2024	13:15	45	40	61	200	0.59
06/12/2024	13:30	46	43	57	198	0.56
06/12/2024	13:45	47	43	62	184	1.03
06/12/2024	15:45	48	44	73	183	1.07
06/12/2024	16:00	47	44	55	180	1.31
06/12/2024	16:15	48	45	62	176	1.46
06/12/2024	16:30	48	45	60	180	1.74
06/12/2024	16:45	48	45	59	179	2.09
06/12/2024	17:00	47	45	55	180	1.79
06/12/2024	17:15	48	45	62	176	1.48
08/12/2024	07:00	49	45	73	342	1.60
08/12/2024	07:15	49	46	66	345	1.49
08/12/2024	07:30	51	47	72	343	1.62
08/12/2024	07:45	51	48	70	343	1.62
08/12/2024	08:00	52	48	68	343	1.94
08/12/2024	08:15	52	48	79	346	1.61
08/12/2024	08:30	51	48	65	341	1.47
08/12/2024	08:45	51	49	70	338	1.61
08/12/2024	09:00	52	49	71	343	1.61
08/12/2024	09:15	52	49	73	343	1.54
08/12/2024	09:30	53	50	76	342	1.78
08/12/2024	09:45	53	50	69	345	1.81
08/12/2024	10:00	54	51	71	342	1.92
08/12/2024	10:15	55	51	78	341	1.94
08/12/2024	10:30	54	51	72	345	1.92
08/12/2024	10:45	54	51	72	344	1.83
08/12/2024	11:00	54	51	78	339	1.86
08/12/2024	11:15	53	50	69	338	1.95
08/12/2024	11:30	53	51	74	340	1.77
08/12/2024	11:45	55	52	73	336	2.24
08/12/2024	12:00	54	51	73	337	2.10
08/12/2024	12:15	53	51	70	338	1.79

08/12/2024	12:30	52	51	63	340	1.67
08/12/2024	12:45	54	51	72	339	1.87
08/12/2024	13:00	54	51	73	336	1.99
08/12/2024	13:15	55	50	69	339	1.53
08/12/2024	13:30	53	50	67	341	1.52
08/12/2024	13:45	53	50	78	341	1.80
08/12/2024	14:00	52	50	66	338	1.86
08/12/2024	14:15	53	51	71	336	2.08
08/12/2024	14:30	53	51	69	338	1.92
08/12/2024	14:45	55	51	74	332	2.20
08/12/2024	15:00	54	51	75	338	1.88
08/12/2024	15:15	53	51	68	342	1.73
08/12/2024	15:30	53	51	73	336	1.87
08/12/2024	15:45	54	51	71	335	2.02
08/12/2024	16:00	60	51	84	336	1.85
08/12/2024	16:15	54	51	73	336	1.81
08/12/2024	16:30	54	51	72	341	1.77
08/12/2024	16:45	53	50	70	343	1.72
08/12/2024	17:00	52	50	68	343	1.77
08/12/2024	18:30	51	48	64	344	1.44
08/12/2024	18:45	50	48	59	343	1.67
08/12/2024	19:00	56	49	76	344	1.62
08/12/2024	19:15	55	48	78	345	1.40
08/12/2024	19:30	53	48	76	343	1.33
08/12/2024	19:45	50	48	69	344	1.50
08/12/2024	20:00	49	48	54	345	1.31
08/12/2024	20:15	49	47	59	339	1.50
08/12/2024	20:30	49	47	64	343	1.65
08/12/2024	20:45	49	47	61	346	1.56
08/12/2024	21:00	49	47	64	344	1.46
08/12/2024	21:15	49	46	64	346	1.50
08/12/2024	21:30	49	46	62	342	1.55
08/12/2024	21:45	48	46	57	343	1.31
08/12/2024	22:00	48	45	59	341	1.25
08/12/2024	22:15	46	44	67	341	1.02
08/12/2024	22:30	46	45	55	346	1.06
08/12/2024	22:45	46	45	54	343	0.83
09/12/2024	07:00	51	49	59	343	0.91
09/12/2024	09:15	51	49	61	344	1.01
09/12/2024	09:30	50	48	60	343	0.94
09/12/2024	09:45	50	48	60	341	0.97
09/12/2024	10:00	50	48	58	342	0.76
09/12/2024	10:15	51	49	64	345	0.95
09/12/2024	10:30	51	49	60	344	1.07
09/12/2024	10:45	54	49	76	343	1.32
09/12/2024	11:00	50	48	63	344	1.26
09/12/2024	11:15	50	49	62	346	1.48
09/12/2024	11:30	50	48	63	347	1.31
09/12/2024	11:45	51	48	61	342	1.14
09/12/2024	12:00	50	48	64	344	1.17
09/12/2024	12:15	51	49	62	342	1.25
09/12/2024	12:30	52	49	62	345	1.49
09/12/2024	12:45	51	49	64	344	1.48
09/12/2024	13:00	50	48	60	341	1.39
09/12/2024	13:15	51	49	65	343	1.36
09/12/2024	13:30	51	49	66	340	1.24

09/12/2024	13:45	51	49	64	342	1.19
09/12/2024	14:00	51	49	64	340	1.27
09/12/2024	14:15	53	50	69	339	1.17
09/12/2024	14:30	53	50	61	343	1.19
09/12/2024	14:45	52	50	67	338	1.16
09/12/2024	15:00	51	49	65	341	1.24
09/12/2024	15:15	52	49	65	345	1.08
09/12/2024	15:30	50	49	60	337	0.94
09/12/2024	15:45	51	49	64	337	0.95
09/12/2024	16:00	51	48	68	346	1.08
09/12/2024	16:15	51	49	68	341	1.06
09/12/2024	16:30	51	49	58	339	0.95
09/12/2024	16:45	50	48	58	343	0.92
09/12/2024	17:00	50	49	62	345	1.06
09/12/2024	17:15	50	49	63	344	1.07
09/12/2024	17:30	51	49	62	342	0.96
09/12/2024	17:45	51	49	59	343	1.07
09/12/2024	18:00	51	50	67	345	1.13
09/12/2024	18:15	58	49	79	342	1.16
09/12/2024	18:30	54	49	74	343	1.10
09/12/2024	18:45	51	48	64	346	1.17
09/12/2024	19:00	49	47	63	341	0.99
09/12/2024	19:15	49	47	58	342	0.90
09/12/2024	19:30	49	47	64	342	1.01
09/12/2024	19:45	49	47	59	342	0.93
09/12/2024	20:00	50	47	63	341	1.00
09/12/2024	20:15	51	47	69	344	0.88
09/12/2024	20:30	49	46	66	344	1.20
09/12/2024	20:45	48	46	60	343	0.96
09/12/2024	21:00	48	45	65	341	1.08
09/12/2024	21:15	48	45	58	342	0.96
09/12/2024	21:30	47	45	55	336	0.62
09/12/2024	21:45	47	45	58	340	0.70
09/12/2024	22:00	46	44	55	337	0.69
09/12/2024	22:15	46	44	56	342	0.66
09/12/2024	22:30	47	44	70	341	0.69
09/12/2024	22:45	46	44	60	343	0.92
10/12/2024	07:00	49	48	55	342	0.77
10/12/2024	07:15	51	48	66	342	0.85
10/12/2024	07:30	51	48	64	340	0.76
10/12/2024	07:45	52	48	70	340	0.68
10/12/2024	08:00	50	48	62	342	0.75
10/12/2024	08:15	50	48	62	340	0.83
10/12/2024	08:30	50	47	62	340	0.72
10/12/2024	08:45	50	48	64	337	0.72
10/12/2024	09:00	51	48	66	345	0.61
10/12/2024	09:15	51	48	62	340	0.68
10/12/2024	09:30	51	48	64	343	0.83
10/12/2024	09:45	50	47	68	339	0.61
10/12/2024	10:00	50	47	65	339	0.67
10/12/2024	10:15	50	47	62	340	0.82
10/12/2024	10:30	49	46	60	338	0.86
10/12/2024	10:45	50	47	65	342	0.95
10/12/2024	11:00	52	48	78	338	0.89
10/12/2024	11:15	49	46	60	341	0.80
10/12/2024	11:30	49	46	60	341	0.70

10/12/2024	11:45	57	47	75	338	0.66
10/12/2024	12:00	49	47	62	338	0.77
10/12/2024	12:15	50	47	61	338	0.82
10/12/2024	12:30	49	47	65	334	0.60
10/12/2024	12:45	49	46	64	329	0.61
10/12/2024	13:00	50	47	64	330	0.70
10/12/2024	13:15	50	47	63	326	0.55
10/12/2024	13:30	50	47	68	320	0.62
10/12/2024	13:45	48	46	60	338	0.55
10/12/2024	14:00	49	46	62	333	0.63
10/12/2024	14:15	49	46	61	336	0.55
10/12/2024	14:30	49	46	70	327	0.55
10/12/2024	14:45	49	46	61	334	0.56
10/12/2024	15:00	49	47	59	320	0.39
10/12/2024	15:15	50	48	65	327	0.38
10/12/2024	15:30	49	46	61	326	0.35
10/12/2024	15:45	49	47	60	347	0.48
10/12/2024	16:00	50	48	61	343	0.57
10/12/2024	16:15	51	47	76	332	0.34
10/12/2024	16:30	50	47	66	344	0.58
10/12/2024	16:45	47	45	55	339	0.41
10/12/2024	17:00	48	46	64	341	0.39
10/12/2024	17:15	49	47	62	341	0.63
10/12/2024	17:30	49	47	68	339	0.59
10/12/2024	17:45	49	47	63	340	0.76
10/12/2024	18:00	50	48	57	341	0.62
10/12/2024	18:15	49	46	58	341	0.62
10/12/2024	18:30	48	46	61	341	0.42
10/12/2024	18:45	48	46	60	338	0.65
10/12/2024	19:00	48	45	55	341	0.82
10/12/2024	19:15	48	46	58	341	0.64
10/12/2024	19:30	47	44	59	335	0.47
10/12/2024	19:45	47	44	60	343	0.73
10/12/2024	20:00	46	42	55	331	0.44
10/12/2024	20:15	46	42	58	319	0.38
10/12/2024	20:30	45	41	54	327	0.39
10/12/2024	20:45	45	42	54	343	0.48
10/12/2024	21:00	46	43	53	333	0.41
10/12/2024	21:15	45	42	52	340	0.53
10/12/2024	21:30	46	43	55	338	0.53
10/12/2024	21:45	50	43	75	338	0.53
10/12/2024	22:00	48	42	67	249	0.27
10/12/2024	22:15	45	41	57	324	0.33
10/12/2024	22:30	44	40	54	335	0.42
10/12/2024	22:45	43	39	54	334	0.37
11/12/2024	07:00	49	46	63	306	0.37
11/12/2024	07:15	48	45	62	290	0.28
11/12/2024	07:30	49	45	61	315	0.39
11/12/2024	07:45	49	46	72	305	0.31
11/12/2024	08:00	48	45	62	294	0.24
11/12/2024	08:15	49	46	63	331	0.29
11/12/2024	08:30	48	45	66	330	0.25
11/12/2024	08:45	49	46	63	284	0.25
11/12/2024	09:00	49	44	73	299	0.32
11/12/2024	09:15	55	44	84	315	0.31
11/12/2024	09:30	49	46	60	286	0.25

11/12/2024	09:45	48	45	63	241	0.22
11/12/2024	10:00	48	46	62	284	0.23
11/12/2024	10:15	48	44	63	307	0.27
11/12/2024	10:30	47	43	61	306	0.31
11/12/2024	10:45	49	43	68	316	0.33
11/12/2024	11:00	60	43	87	296	0.24
11/12/2024	11:15	52	44	80	328	0.36
11/12/2024	11:30	49	44	68	320	0.30
11/12/2024	11:45	60	43	83	325	0.34
11/12/2024	12:00	50	44	71	312	0.36
11/12/2024	12:15	48	44	67	304	0.35
11/12/2024	12:30	46	42	62	305	0.37
11/12/2024	12:45	48	44	64	312	0.39
11/12/2024	13:00	48	44	65	279	0.41
11/12/2024	13:15	46	42	74	263	0.32
11/12/2024	13:30	46	43	58	288	0.28
11/12/2024	13:45	48	43	71	302	0.37
11/12/2024	14:00	47	42	64	266	0.26
11/12/2024	14:15	46	43	60	297	0.28
11/12/2024	14:30	47	44	61	290	0.31
11/12/2024	14:45	47	44	61	268	0.28
11/12/2024	15:00	46	43	61	301	0.35
11/12/2024	15:15	47	44	55	243	0.23
11/12/2024	15:30	45	42	61	308	0.28
11/12/2024	15:45	56	43	76	250	0.27
11/12/2024	16:00	45	42	60	280	0.28
11/12/2024	16:15	47	43	60	233	0.17
11/12/2024	16:30	48	44	65	274	0.16
11/12/2024	16:45	48	45	64	246	0.22
11/12/2024	17:00	48	45	59	249	0.21
11/12/2024	17:15	47	44	56	279	0.24
11/12/2024	17:30	47	44	60	248	0.27
11/12/2024	17:45	47	44	58	263	0.29
11/12/2024	18:00	48	44	60	245	0.29
11/12/2024	18:15	47	44	61	282	0.25
11/12/2024	18:30	47	44	57	261	0.33
11/12/2024	18:45	46	42	57	251	0.36
11/12/2024	19:00	46	41	55	245	0.29
11/12/2024	19:15	45	42	57	271	0.31
11/12/2024	19:30	46	41	56	247	0.26
11/12/2024	19:45	44	39	53	255	0.37
11/12/2024	20:00	44	40	59	256	0.22
11/12/2024	20:15	43	38	57	262	0.27
11/12/2024	20:30	44	40	52	225	0.37
11/12/2024	20:45	44	40	53	228	0.25
11/12/2024	21:00	44	39	55	265	0.27
11/12/2024	21:15	45	39	57	261	0.35
11/12/2024	21:30	44	38	55	274	0.30
11/12/2024	21:45	43	37	58	211	0.31
11/12/2024	22:00	43	37	54	193	0.35
11/12/2024	22:15	42	37	57	209	0.25
11/12/2024	22:30	39	36	55	245	0.17
11/12/2024	22:45	42	36	65	241	0.13
12/12/2024	07:00	45	41	53	320	0.27
12/12/2024	07:15	46	42	59	315	0.19
12/12/2024	07:30	47	43	57	280	0.14

12/12/2024	07:45	48	44	65	296	0.13
12/12/2024	08:00	47	43	63	334	0.27
12/12/2024	08:15	48	44	60	330	0.19
12/12/2024	08:30	48	44	64	327	0.22
12/12/2024	08:45	47	44	60	288	0.16
12/12/2024	09:00	46	42	64	324	0.22
12/12/2024	09:15	46	41	62	320	0.19
12/12/2024	09:30	48	42	61	335	0.35
12/12/2024	09:45	49	42	68	330	0.26
12/12/2024	10:00	47	43	64	316	0.26
12/12/2024	10:15	47	42	64	311	0.22
12/12/2024	10:30	47	42	63	328	0.28
12/12/2024	10:45	45	42	56	321	0.31
12/12/2024	11:00	47	42	66	324	0.37
12/12/2024	11:15	47	43	61	323	0.39
12/12/2024	11:30	47	43	68	326	0.40
12/12/2024	11:45	49	45	66	334	0.36
12/12/2024	12:00	47	43	64	335	0.37
12/12/2024	12:15	47	43	67	322	0.42
12/12/2024	12:30	46	42	55	322	0.38
12/12/2024	12:45	46	43	56	329	0.38
12/12/2024	13:00	47	43	60	342	0.35
12/12/2024	13:15	46	43	59	341	0.43
12/12/2024	13:30	47	43	58	332	0.25
12/12/2024	13:45	46	43	58	322	0.39
12/12/2024	14:00	47	43	60	305	0.26
12/12/2024	14:15	50	42	78	337	0.43
12/12/2024	14:30	48	43	63	341	0.39
12/12/2024	14:45	47	43	65	329	0.33
12/12/2024	15:00	46	44	59	333	0.25
12/12/2024	15:15	46	42	57	329	0.21
12/12/2024	15:30	46	42	60	301	0.14
12/12/2024	15:45	46	42	57	334	0.31
12/12/2024	16:00	46	42	58	330	0.27
12/12/2024	16:15	47	42	68	324	0.27
12/12/2024	16:30	48	42	69	323	0.33
12/12/2024	16:45	47	43	69	326	0.31
12/12/2024	17:00	48	45	58	327	0.27
12/12/2024	17:15	47	43	58	333	0.26
12/12/2024	17:30	47	43	60	331	0.37
12/12/2024	17:45	48	44	66	324	0.30
12/12/2024	18:00	47	44	60	325	0.29
12/12/2024	18:15	48	45	69	323	0.29
12/12/2024	18:30	47	45	58	306	0.27
12/12/2024	18:45	47	44	56	334	0.36
12/12/2024	19:00	46	43	53	318	0.30
12/12/2024	19:15	46	43	57	334	0.34
12/12/2024	19:30	45	42	52	336	0.38
12/12/2024	19:45	45	42	54	330	0.35
12/12/2024	20:00	45	41	57	329	0.33
12/12/2024	20:15	45	41	60	322	0.21
12/12/2024	20:30	44	41	56	320	0.24
12/12/2024	20:45	44	41	57	335	0.35
12/12/2024	21:00	44	41	57	342	0.43
12/12/2024	21:15	46	41	68	340	0.38
12/12/2024	21:30	45	41	55	320	0.23

12/12/2024	21:45	45	42	58	277	0.21
12/12/2024	22:00	44	41	54	267	0.22
12/12/2024	22:15	41	37	52	267	0.20
12/12/2024	22:30	40	36	52	284	0.21
12/12/2024	22:45	41	37	54	241	0.20

Raw data and central tendencies for location NSR 2a: 11 Maes-Y-Waun

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	44	37	56
Mean	44	41	57
Mean - 1 s.d.	39	36	-
Log Average	48	-	-

Table 4: Night-time period (23:00 to 07:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	23:00	42	38	59	206	0.45
25/11/2024	23:15	41	38	57	187	0.50
25/11/2024	23:30	44	41	56	184	0.69
25/11/2024	23:45	45	43	56	197	0.54
26/11/2024	00:00	45	43	55	221	0.55
26/11/2024	00:15	41	39	53	191	0.41
26/11/2024	00:30	40	37	56	201	0.38
26/11/2024	00:45	42	39	56	196	0.59
26/11/2024	01:00	44	43	50	183	0.43
26/11/2024	01:15	44	42	55	178	0.58
26/11/2024	01:30	45	43	57	182	0.52
26/11/2024	01:45	45	43	49	177	0.62
26/11/2024	02:00	44	43	55	188	0.58
26/11/2024	02:15	44	43	51	200	0.28
26/11/2024	02:30	44	43	48	188	0.40
26/11/2024	02:45	45	43	57	185	0.57
26/11/2024	03:00	46	43	56	188	0.41
26/11/2024	03:15	42	40	57	180	0.81
26/11/2024	03:30	42	41	50	178	0.82
26/11/2024	03:45	41	40	51	175	0.82
26/11/2024	04:00	43	40	58	179	0.72
26/11/2024	04:15	44	42	58	178	0.62
26/11/2024	04:30	45	43	60	181	0.57
26/11/2024	04:45	46	43	58	184	0.54
26/11/2024	05:00	46	44	59	203	0.53
26/11/2024	05:15	47	45	57	241	0.20
26/11/2024	05:30	49	46	60	174	0.41
26/11/2024	05:45	49	46	59	189	0.41
26/11/2024	06:00	51	50	62	177	0.55
26/11/2024	06:15	50	48	59	330	0.21
26/11/2024	06:30	50	47	61	203	0.27
26/11/2024	06:45	49	47	56	192	0.41
26/11/2024	23:00	47	44	59	315	0.33
26/11/2024	23:15	48	45	60	265	0.31
26/11/2024	23:30	47	44	57	272	0.17
26/11/2024	23:45	48	46	54	304	0.25
27/11/2024	00:00	47	45	59	287	0.22
27/11/2024	00:15	45	41	56	267	0.19
27/11/2024	00:30	45	43	56	311	0.23
27/11/2024	00:45	44	42	55	233	0.13
27/11/2024	01:00	43	42	54	203	0.20

27/11/2024	01:15	43	42	55	302	0.25
27/11/2024	01:30	42	40	55	238	0.15
27/11/2024	01:45	42	39	56	328	0.32
27/11/2024	02:00	42	41	54	327	0.23
27/11/2024	02:15	44	42	57	289	0.23
27/11/2024	23:00	47	45	53	293	0.20
27/11/2024	23:15	48	47	53	229	0.16
27/11/2024	23:30	47	46	56	229	0.18
27/11/2024	23:45	46	45	55	320	0.22
28/11/2024	00:00	47	45	57	254	0.11
28/11/2024	00:15	45	43	59	219	0.21
28/11/2024	00:30	45	44	56	207	0.15
28/11/2024	00:45	47	45	51	309	0.23
28/11/2024	01:00	46	45	52	289	0.21
28/11/2024	01:15	45	44	57	221	0.22
28/11/2024	01:30	44	43	53	268	0.23
28/11/2024	01:45	44	42	56	304	0.18
28/11/2024	02:00	44	43	54	190	0.23
28/11/2024	02:15	44	43	58	219	0.15
28/11/2024	02:30	46	45	57	240	0.12
28/11/2024	02:45	48	46	55	329	0.21
28/11/2024	03:00	45	43	66	230	0.21
28/11/2024	03:15	46	44	60	298	0.13
28/11/2024	03:30	44	42	59	214	0.14
28/11/2024	03:45	45	43	53	287	0.14
28/11/2024	04:00	46	44	56	236	0.12
28/11/2024	04:15	47	45	58	247	0.13
28/11/2024	04:30	47	45	54	263	0.13
28/11/2024	04:45	47	45	65	229	0.16
28/11/2024	05:00	48	46	60	314	0.18
28/11/2024	05:15	49	47	57	302	0.16
28/11/2024	05:30	47	45	64	291	0.12
28/11/2024	05:45	48	45	60	301	0.17
28/11/2024	06:00	50	48	57	303	0.17
28/11/2024	06:15	50	47	58	210	0.24
28/11/2024	06:30	54	50	61	245	0.18
28/11/2024	06:45	52	48	63	297	0.20
28/11/2024	23:00	39	35	51	185	0.56
28/11/2024	23:15	41	34	59	182	0.98
28/11/2024	23:30	39	35	53	185	1.04
28/11/2024	23:45	37	34	50	185	1.00
29/11/2024	00:00	37	34	53	184	1.11
29/11/2024	00:15	37	34	49	187	1.01
29/11/2024	00:30	37	34	50	187	0.84
29/11/2024	00:45	35	33	46	185	0.69
29/11/2024	01:00	36	33	56	181	0.79
29/11/2024	01:15	37	34	51	180	0.85
29/11/2024	01:30	40	36	49	178	0.80
29/11/2024	01:45	37	35	51	175	0.69
29/11/2024	02:00	36	34	54	178	0.80
29/11/2024	02:15	38	34	59	180	0.70
29/11/2024	02:30	37	35	51	179	0.69
29/11/2024	02:45	38	36	50	182	0.89
29/11/2024	03:00	38	36	48	181	0.74
29/11/2024	03:15	38	34	52	185	0.69
29/11/2024	03:30	37	33	54	185	0.68

29/11/2024	03:45	38	34	56	186	0.50
29/11/2024	04:00	38	35	52	188	0.51
29/11/2024	04:15	39	36	55	272	0.16
29/11/2024	04:30	39	36	54	207	0.41
29/11/2024	04:45	41	36	56	178	1.07
29/11/2024	05:00	41	35	56	181	0.79
29/11/2024	05:15	41	37	56	177	0.55
29/11/2024	05:30	43	37	63	186	0.55
29/11/2024	05:45	42	37	54	204	0.30
29/11/2024	06:00	44	40	57	190	0.46
29/11/2024	06:15	44	40	56	203	0.41
29/11/2024	06:30	45	40	56	190	0.35
29/11/2024	06:45	44	39	58	185	0.74
29/11/2024	23:00	41	37	56	190	0.84
29/11/2024	23:15	40	37	52	185	0.70
29/11/2024	23:30	39	37	51	184	0.73
29/11/2024	23:45	39	36	53	179	0.90
30/11/2024	00:00	40	37	52	171	0.88
30/11/2024	00:15	38	35	52	182	0.61
30/11/2024	00:30	41	38	51	180	0.65
30/11/2024	00:45	41	39	59	170	0.87
30/11/2024	01:00	42	39	58	181	0.59
30/11/2024	01:15	40	37	58	179	0.68
30/11/2024	01:30	37	34	51	178	0.78
30/11/2024	01:45	38	34	56	176	0.68
30/11/2024	02:00	36	33	52	178	0.84
30/11/2024	02:15	37	35	48	170	1.16
30/11/2024	02:30	38	35	54	174	1.22
30/11/2024	02:45	38	36	49	174	1.19
30/11/2024	03:00	39	37	54	179	0.80
30/11/2024	03:15	38	35	54	185	0.56
30/11/2024	03:30	39	36	55	177	0.79
30/11/2024	03:45	38	35	53	174	0.94
30/11/2024	04:00	38	34	50	175	0.71
30/11/2024	04:15	38	34	56	187	0.61
30/11/2024	04:30	38	35	50	195	0.56
30/11/2024	04:45	37	33	52	185	0.62
30/11/2024	05:00	39	34	53	209	0.48
30/11/2024	05:15	41	35	58	210	0.40
30/11/2024	05:30	40	35	54	206	0.36
30/11/2024	05:45	40	36	54	190	0.48
30/11/2024	06:00	41	37	54	225	0.27
30/11/2024	06:15	40	35	56	187	0.48
30/11/2024	06:30	42	36	57	177	0.66
30/11/2024	06:45	44	40	65	176	0.95
30/11/2024	23:00	38	35	53	178	0.92
30/11/2024	23:15	38	34	60	176	1.05
30/11/2024	23:30	41	34	59	180	1.12
30/11/2024	23:45	40	36	56	181	1.02
01/12/2024	00:00	38	36	52	182	0.91
01/12/2024	00:15	41	36	56	181	0.80
01/12/2024	00:30	38	35	52	183	0.84
01/12/2024	00:45	37	33	56	179	0.82
01/12/2024	01:00	36	33	57	185	0.69
01/12/2024	01:15	38	34	53	180	0.84
01/12/2024	01:30	35	33	50	176	1.02

01/12/2024	01:45	35	33	48	182	1.06
01/12/2024	02:00	35	33	51	176	1.19
01/12/2024	02:15	35	33	49	179	1.15
01/12/2024	02:30	37	34	52	177	1.26
01/12/2024	02:45	40	35	55	176	1.30
01/12/2024	05:45	38	34	53	173	0.71
01/12/2024	06:00	39	35	53	173	0.73
01/12/2024	06:15	39	35	51	184	0.58
01/12/2024	23:00	45	43	53	228	0.67
01/12/2024	23:15	45	43	51	239	0.58
01/12/2024	23:30	44	42	54	233	0.79
01/12/2024	23:45	44	42	56	224	0.71
02/12/2024	00:00	44	42	61	239	0.87
02/12/2024	00:15	42	41	50	233	0.77
02/12/2024	00:30	38	33	54	229	0.49
02/12/2024	00:45	35	33	50	240	0.39
02/12/2024	01:00	34	32	51	273	0.24
02/12/2024	01:15	40	36	47	192	0.47
02/12/2024	01:30	35	32	52	236	0.37
02/12/2024	01:45	38	34	57	203	0.45
02/12/2024	02:00	41	38	55	195	0.55
02/12/2024	02:15	39	37	54	190	0.70
02/12/2024	02:30	38	35	54	180	0.94
02/12/2024	02:45	39	37	47	185	0.74
02/12/2024	03:00	40	37	52	188	0.61
02/12/2024	03:15	40	37	55	185	0.76
02/12/2024	03:30	39	37	50	197	0.61
02/12/2024	05:30	49	47	58	320	1.45
02/12/2024	05:45	50	48	62	326	1.95
02/12/2024	06:00	50	47	58	316	1.52
02/12/2024	06:15	48	46	64	311	1.02
02/12/2024	06:30	50	47	61	311	1.19
02/12/2024	06:45	50	48	59	323	1.50
02/12/2024	23:00	43	41	52	264	0.16
02/12/2024	23:15	45	42	59	259	0.20
02/12/2024	23:30	45	44	59	321	0.24
02/12/2024	23:45	45	44	49	321	0.25
03/12/2024	00:00	46	44	52	338	0.30
03/12/2024	00:15	42	39	48	239	0.18
03/12/2024	00:30	42	40	49	179	0.35
03/12/2024	00:45	44	42	53	319	0.20
03/12/2024	01:00	42	41	53	235	0.17
03/12/2024	01:15	41	39	52	240	0.27
03/12/2024	01:30	42	41	51	241	0.23
03/12/2024	01:45	43	41	56	259	0.15
03/12/2024	02:00	43	41	53	261	0.25
03/12/2024	02:15	42	39	49	230	0.18
03/12/2024	02:30	44	42	52	275	0.25
03/12/2024	02:45	42	40	51	276	0.13
03/12/2024	03:00	41	39	52	283	0.20
03/12/2024	03:15	42	40	51	200	0.19
03/12/2024	03:30	43	40	51	233	0.17
03/12/2024	03:45	42	40	50	263	0.17
03/12/2024	04:00	40	38	49	194	0.18
03/12/2024	04:15	42	40	54	257	0.10
03/12/2024	04:30	44	41	54	216	0.25

03/12/2024	04:45	44	43	58	305	0.13
03/12/2024	05:00	45	43	54	322	0.26
03/12/2024	05:15	45	42	56	247	0.16
03/12/2024	05:30	45	43	58	305	0.24
03/12/2024	05:45	44	40	59	228	0.14
03/12/2024	06:00	44	41	55	264	0.16
03/12/2024	06:15	45	41	55	252	0.13
03/12/2024	06:30	46	42	61	329	0.25
03/12/2024	06:45	46	42	59	312	0.17
03/12/2024	23:00	38	34	53	179	1.16
03/12/2024	23:15	39	34	50	182	0.76
03/12/2024	23:30	39	34	52	204	0.56
04/12/2024	01:00	38	37	46	195	0.64
04/12/2024	01:15	36	33	50	246	0.35
04/12/2024	01:30	36	34	49	212	0.51
04/12/2024	01:45	39	37	53	201	0.31
04/12/2024	02:00	42	40	54	198	0.41
04/12/2024	02:15	42	40	52	189	0.53
04/12/2024	02:30	42	40	52	185	0.46
04/12/2024	02:45	42	41	49	178	0.57
04/12/2024	03:00	42	41	51	184	0.34
04/12/2024	03:15	44	41	52	218	0.23
04/12/2024	03:30	47	46	54	269	0.22
04/12/2024	03:45	50	49	57	302	0.21
04/12/2024	04:00	50	48	59	279	0.25
04/12/2024	04:15	50	48	78	180	0.19
04/12/2024	04:30	50	48	59	211	0.33
04/12/2024	04:45	50	47	63	204	0.33
04/12/2024	05:00	49	48	56	300	0.28
04/12/2024	05:15	51	48	57	277	0.20
04/12/2024	05:30	48	45	54	250	0.31
04/12/2024	05:45	49	47	59	322	0.35
04/12/2024	06:00	52	50	58	220	0.21
04/12/2024	06:15	49	47	55	188	0.38
04/12/2024	06:30	50	48	61	180	0.29
04/12/2024	06:45	51	49	63	199	0.16
04/12/2024	23:00	43	40	53	183	1.27
04/12/2024	23:15	42	40	58	181	1.08
04/12/2024	23:30	42	40	57	181	1.13
04/12/2024	23:45	42	40	53	180	0.93
05/12/2024	00:00	41	39	56	184	0.61
05/12/2024	00:15	41	39	52	178	0.74
05/12/2024	02:00	39	37	51	183	1.04
05/12/2024	02:15	39	37	53	181	1.03
05/12/2024	02:30	39	37	59	181	0.80
05/12/2024	02:45	41	39	57	176	0.85
05/12/2024	03:00	42	40	54	177	0.70
05/12/2024	03:15	41	40	50	188	1.04
05/12/2024	03:30	41	40	49	195	1.03
05/12/2024	03:45	41	40	50	197	0.84
05/12/2024	04:00	42	40	57	191	0.67
05/12/2024	04:15	45	42	62	211	0.66
05/12/2024	06:00	49	47	57	259	0.90
05/12/2024	06:15	50	48	61	244	1.05
05/12/2024	06:30	50	48	63	253	0.98
05/12/2024	06:45	49	47	56	239	1.07

05/12/2024	23:45	53	51	68	327	2.71
06/12/2024	00:00	53	50	72	326	2.99
06/12/2024	00:15	52	50	62	326	2.92
06/12/2024	00:30	52	50	68	326	2.79
06/12/2024	00:45	51	49	60	326	2.41
06/12/2024	01:00	50	48	63	325	2.05
06/12/2024	01:15	50	48	67	326	2.36
06/12/2024	01:30	51	49	61	325	2.21
06/12/2024	01:45	51	49	58	326	2.37
06/12/2024	02:00	50	48	57	322	1.84
06/12/2024	02:15	51	48	65	321	1.82
06/12/2024	02:30	51	49	60	321	2.01
06/12/2024	02:45	51	49	62	326	2.31
06/12/2024	03:00	50	48	67	326	2.22
06/12/2024	03:15	49	48	60	324	1.67
06/12/2024	03:30	48	46	60	328	1.89
06/12/2024	03:45	48	47	56	321	1.58
06/12/2024	04:00	47	45	61	309	0.98
06/12/2024	04:15	45	43	54	316	1.11
06/12/2024	04:30	45	43	55	199	0.63
06/12/2024	04:45	44	42	56	223	0.55
06/12/2024	05:00	46	44	59	282	0.90
06/12/2024	05:15	47	44	58	314	1.15
06/12/2024	05:30	50	48	63	325	2.06
06/12/2024	05:45	50	48	57	325	2.00
06/12/2024	06:00	50	47	60	285	1.07
06/12/2024	06:15	48	46	57	287	0.96
06/12/2024	06:30	49	47	61	321	1.16
06/12/2024	06:45	51	48	58	321	1.18
07/12/2024	00:00	56	48	80	198	2.32
07/12/2024	00:15	54	48	74	203	2.45
07/12/2024	00:30	59	49	84	197	2.86
07/12/2024	00:45	60	51	84	204	2.51
07/12/2024	01:00	54	48	73	200	2.65
07/12/2024	01:15	57	49	83	203	2.89
07/12/2024	01:30	58	48	81	203	2.46
07/12/2024	01:45	56	48	78	200	2.23
07/12/2024	02:00	51	46	71	205	1.87
07/12/2024	02:15	51	45	72	214	1.68
07/12/2024	23:30	58	53	83	337	2.71
07/12/2024	23:45	58	53	81	338	2.81
08/12/2024	00:00	56	52	76	342	2.41
08/12/2024	00:15	57	52	74	338	2.38
08/12/2024	00:30	59	53	80	340	2.34
08/12/2024	00:45	59	53	79	340	2.88
08/12/2024	01:00	55	51	74	337	2.39
08/12/2024	01:15	56	51	77	338	2.34
08/12/2024	01:30	56	52	75	340	2.18
08/12/2024	01:45	57	52	77	339	2.40
08/12/2024	02:00	57	51	81	340	2.53
08/12/2024	02:15	57	51	80	341	2.35
08/12/2024	02:30	56	51	77	340	2.20
08/12/2024	02:45	56	51	76	339	2.30
08/12/2024	03:00	56	52	73	338	2.51
08/12/2024	03:15	55	51	73	337	2.31
08/12/2024	03:30	55	51	73	338	2.41

08/12/2024	03:45	55	51	72	336	2.23
08/12/2024	04:00	57	50	82	336	2.30
08/12/2024	04:15	54	49	72	340	2.18
08/12/2024	04:30	54	49	77	338	2.16
08/12/2024	04:45	54	49	74	340	2.01
08/12/2024	05:00	52	48	73	340	1.73
08/12/2024	05:15	52	48	70	343	1.70
08/12/2024	05:30	50	47	65	345	1.76
08/12/2024	05:45	49	46	64	340	1.73
08/12/2024	06:00	49	46	69	342	1.55
08/12/2024	06:15	48	46	64	342	1.27
08/12/2024	06:30	47	45	60	337	1.21
08/12/2024	06:45	48	45	64	340	1.23
08/12/2024	23:00	46	45	56	342	0.92
08/12/2024	23:15	47	45	56	343	1.26
08/12/2024	23:30	46	45	54	347	1.14
08/12/2024	23:45	46	44	58	342	1.04
09/12/2024	00:00	46	44	54	343	1.15
09/12/2024	00:15	46	44	57	343	1.21
09/12/2024	00:30	46	44	52	338	0.91
09/12/2024	00:45	46	45	52	341	1.13
09/12/2024	01:00	47	45	55	341	1.01
09/12/2024	01:15	47	46	55	345	1.18
09/12/2024	01:30	47	45	60	342	1.22
09/12/2024	01:45	47	45	55	344	1.28
09/12/2024	02:00	46	44	55	343	1.02
09/12/2024	02:15	46	44	52	342	0.96
09/12/2024	02:30	46	44	53	346	1.09
09/12/2024	02:45	46	44	54	341	1.15
09/12/2024	03:00	46	45	55	341	1.18
09/12/2024	03:15	46	44	56	337	1.03
09/12/2024	03:30	46	45	54	344	0.77
09/12/2024	03:45	47	45	59	340	0.60
09/12/2024	04:00	47	45	59	345	0.89
09/12/2024	04:15	47	45	58	342	1.10
09/12/2024	04:30	47	45	57	345	1.06
09/12/2024	04:45	47	45	59	341	1.44
09/12/2024	05:00	47	45	56	343	1.16
09/12/2024	05:15	48	46	59	344	1.01
09/12/2024	05:30	49	48	58	343	0.86
09/12/2024	05:45	49	47	58	344	0.81
09/12/2024	06:00	49	48	56	340	0.65
09/12/2024	06:15	49	48	59	341	0.69
09/12/2024	06:30	50	48	58	343	0.95
09/12/2024	06:45	50	49	63	344	1.15
09/12/2024	23:00	45	43	53	343	0.88
09/12/2024	23:15	46	44	57	345	0.90
09/12/2024	23:30	45	43	57	340	0.97
09/12/2024	23:45	45	43	53	342	0.80
10/12/2024	00:00	44	42	53	334	0.89
10/12/2024	00:15	44	42	58	338	0.80
10/12/2024	00:30	44	42	52	342	0.97
10/12/2024	00:45	44	42	51	343	0.92
10/12/2024	01:00	43	40	53	332	0.74
10/12/2024	01:15	43	40	54	342	0.91
10/12/2024	01:30	43	41	54	341	0.91

10/12/2024	01:45	42	39	49	338	0.66
10/12/2024	02:00	43	41	52	341	1.08
10/12/2024	02:15	44	42	55	339	0.74
10/12/2024	02:30	44	42	51	341	0.83
10/12/2024	02:45	45	43	57	348	1.01
10/12/2024	03:00	44	42	55	344	1.00
10/12/2024	03:15	44	42	57	338	0.97
10/12/2024	03:30	44	42	54	342	0.80
10/12/2024	03:45	44	42	58	342	0.85
10/12/2024	04:00	44	42	54	343	1.06
10/12/2024	04:15	44	42	52	339	0.77
10/12/2024	04:30	45	43	55	341	1.10
10/12/2024	04:45	46	44	57	345	1.07
10/12/2024	05:00	47	44	57	342	0.98
10/12/2024	05:15	46	44	54	341	0.96
10/12/2024	05:30	47	45	54	343	0.90
10/12/2024	05:45	47	45	56	338	0.67
10/12/2024	06:00	48	45	55	342	0.78
10/12/2024	06:15	48	46	57	347	0.92
10/12/2024	06:30	48	46	55	344	0.79
10/12/2024	06:45	49	47	59	341	0.90
10/12/2024	23:00	41	38	52	332	0.50
10/12/2024	23:15	41	38	54	329	0.42
10/12/2024	23:30	41	38	52	315	0.36
10/12/2024	23:45	42	40	53	336	0.42
11/12/2024	00:00	42	39	57	335	0.34
11/12/2024	00:15	41	37	54	325	0.31
11/12/2024	00:30	41	38	51	335	0.43
11/12/2024	00:45	40	38	54	338	0.48
11/12/2024	01:00	41	38	54	342	0.63
11/12/2024	01:15	41	38	51	338	0.61
11/12/2024	01:30	39	37	52	341	0.46
11/12/2024	01:45	41	39	53	328	0.32
11/12/2024	02:00	41	39	52	336	0.39
11/12/2024	02:15	40	39	49	282	0.20
11/12/2024	02:30	39	36	55	229	0.21
11/12/2024	02:45	38	36	55	305	0.27
11/12/2024	03:00	40	38	51	317	0.24
11/12/2024	03:15	39	36	51	293	0.20
11/12/2024	03:30	39	36	51	303	0.26
11/12/2024	03:45	39	36	51	326	0.30
11/12/2024	04:00	42	39	58	334	0.37
11/12/2024	04:15	42	38	57	324	0.29
11/12/2024	04:30	43	38	58	323	0.38
11/12/2024	04:45	43	39	57	341	0.44
11/12/2024	05:00	44	39	57	332	0.32
11/12/2024	05:15	45	40	57	344	0.45
11/12/2024	05:30	45	41	56	316	0.37
11/12/2024	05:45	46	41	56	320	0.30
11/12/2024	06:00	47	44	56	299	0.35
11/12/2024	06:15	46	42	56	252	0.27
11/12/2024	06:30	47	44	65	265	0.24
11/12/2024	06:45	48	45	57	291	0.27
11/12/2024	23:00	39	35	58	248	0.11
11/12/2024	23:15	39	36	57	288	0.14
11/12/2024	23:30	40	35	56	276	0.17

11/12/2024	23:45	40	37	51	328	0.17
12/12/2024	00:00	40	37	55	329	0.19
12/12/2024	00:15	38	36	47	270	0.23
12/12/2024	00:30	38	35	51	316	0.24
12/12/2024	00:45	38	35	50	273	0.24
12/12/2024	01:00	37	34	49	289	0.24
12/12/2024	01:15	37	34	51	286	0.23
12/12/2024	01:30	39	33	48	286	0.19
12/12/2024	01:45	36	34	44	322	0.22
12/12/2024	02:00	38	36	51	251	0.18
12/12/2024	02:15	39	35	53	287	0.19
12/12/2024	02:30	37	35	49	217	0.19
12/12/2024	02:45	38	35	53	248	0.16
12/12/2024	03:00	39	36	54	252	0.19
12/12/2024	03:15	38	36	48	228	0.23
12/12/2024	03:30	39	36	56	271	0.25
12/12/2024	03:45	38	36	48	246	0.21
12/12/2024	04:00	40	36	55	254	0.19
12/12/2024	04:15	40	37	56	247	0.18
12/12/2024	04:30	41	38	55	243	0.23
12/12/2024	04:45	41	37	52	217	0.21
12/12/2024	05:00	42	38	57	220	0.25
12/12/2024	05:15	42	38	56	192	0.21
12/12/2024	05:30	41	37	53	255	0.18
12/12/2024	05:45	41	37	54	197	0.22
12/12/2024	06:00	42	39	53	208	0.20
12/12/2024	06:15	43	38	55	204	0.16
12/12/2024	06:30	44	39	56	240	0.14
12/12/2024	06:45	44	39	55	286	0.12
12/12/2024	23:00	40	37	55	248	0.16
12/12/2024	23:15	40	37	54	289	0.15
12/12/2024	23:30	40	37	54	288	0.19
12/12/2024	23:45	39	38	51	322	0.25
13/12/2024	00:00	39	37	52	315	0.13
13/12/2024	00:15	39	36	54	313	0.20
13/12/2024	00:30	38	36	49	332	0.24
13/12/2024	00:45	39	36	51	329	0.25
13/12/2024	01:00	37	34	52	246	0.31
13/12/2024	01:15	39	36	47	310	0.20
13/12/2024	01:30	37	36	46	320	0.21
13/12/2024	01:45	38	36	48	303	0.17
13/12/2024	02:00	41	37	54	327	0.33
13/12/2024	02:15	40	37	54	322	0.23
13/12/2024	02:30	40	37	52	321	0.24
13/12/2024	02:45	41	37	52	335	0.30
13/12/2024	03:00	41	36	52	336	0.17
13/12/2024	03:15	41	37	53	319	0.24
13/12/2024	03:30	41	35	59	244	0.14
13/12/2024	03:45	41	34	56	288	0.30
13/12/2024	04:00	39	34	53	236	0.26
13/12/2024	04:15	39	36	50	217	0.18
13/12/2024	04:30	41	37	58	272	0.19
13/12/2024	04:45	42	38	55	297	0.16
13/12/2024	05:00	42	39	56	207	0.13
13/12/2024	05:15	42	38	59	278	0.19
13/12/2024	05:30	44	40	57	297	0.25

13/12/2024	05:45	44	41	55	322	0.17
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Raw data and central tendencies for location NSR-3: Lwyn-Y-Cil Road

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	57	46	76
Mean	54	47	74
Mean - 1 s.d.	50	44	-
Log Average	56	-	-

Table 2: Daytime period (07:00 to 23:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	14:52	57	45	83	247	0.94
25/11/2024	15:07	56	46	77	224	1.31
25/11/2024	15:22	53	46	76	215	0.97
25/11/2024	20:07	51	44	75	225	0.49
25/11/2024	20:22	53	44	78	183	0.30
25/11/2024	20:37	44	43	52	184	0.90
25/11/2024	20:52	49	44	75	232	0.69
25/11/2024	21:07	45	44	51	231	0.54
25/11/2024	21:22	46	45	50	199	0.54
25/11/2024	21:37	56	45	77	220	0.44
25/11/2024	21:52	50	46	73	238	0.29
25/11/2024	22:07	50	47	73	206	0.44
25/11/2024	22:22	48	46	61	180	0.70
25/11/2024	22:37	46	45	62	181	0.87
25/11/2024	22:52	48	45	52	185	0.54
26/11/2024	07:07	50	48	72	192	0.52
26/11/2024	07:22	52	47	75	189	0.37
26/11/2024	07:37	54	47	74	223	0.21
26/11/2024	07:52	57	48	77	236	0.25
26/11/2024	08:07	57	48	78	196	0.31
26/11/2024	08:22	55	49	78	201	0.15
26/11/2024	08:37	55	49	77	187	0.23
26/11/2024	08:52	57	47	79	294	0.26
26/11/2024	09:07	55	47	76	174	0.79
26/11/2024	09:22	55	46	79	177	0.71
26/11/2024	09:37	53	46	74	237	0.60
26/11/2024	09:52	56	45	78	202	0.45
26/11/2024	10:07	57	45	77	175	0.55
26/11/2024	10:22	55	45	76	186	0.43
26/11/2024	10:37	53	46	75	202	0.29
26/11/2024	10:52	55	45	77	193	0.28
26/11/2024	11:07	52	44	73	222	0.59
26/11/2024	11:22	50	43	70	226	0.62
26/11/2024	11:37	52	43	76	245	0.58
26/11/2024	11:52	55	44	80	225	0.76
26/11/2024	12:07	56	43	82	230	0.88
26/11/2024	12:22	48	44	72	238	0.76
26/11/2024	12:37	53	45	73	200	0.67
26/11/2024	12:52	54	45	75	192	0.62
26/11/2024	13:07	54	45	75	184	0.73
26/11/2024	13:22	54	45	76	197	0.58

26/11/2024	13:37	54	45	77	305	0.41
26/11/2024	13:52	53	46	78	313	0.38
26/11/2024	14:07	52	46	71	279	0.32
26/11/2024	14:22	54	47	75	296	0.39
26/11/2024	14:37	54	45	76	291	0.29
26/11/2024	14:52	53	45	76	308	0.28
26/11/2024	15:07	54	46	75	315	0.23
26/11/2024	15:22	54	46	75	279	0.25
26/11/2024	15:37	50	45	73	279	0.27
26/11/2024	15:52	52	45	76	246	0.21
26/11/2024	16:07	53	46	72	289	0.18
26/11/2024	16:22	56	46	76	249	0.29
26/11/2024	16:37	54	46	76	242	0.22
26/11/2024	16:52	54	46	75	270	0.17
26/11/2024	17:07	55	48	77	307	0.24
26/11/2024	17:22	52	47	76	253	0.36
26/11/2024	17:37	52	46	74	250	0.23
26/11/2024	17:52	53	47	76	282	0.19
26/11/2024	18:07	55	46	76	211	0.40
26/11/2024	18:22	55	46	75	276	0.21
26/11/2024	18:37	51	46	75	216	0.25
26/11/2024	18:52	51	46	76	310	0.22
26/11/2024	19:07	47	47	51	298	0.27
26/11/2024	19:22	51	47	73	324	0.27
26/11/2024	19:37	48	46	58	217	0.20
26/11/2024	19:52	46	45	52	264	0.19
26/11/2024	20:07	53	45	77	299	0.21
26/11/2024	20:22	47	46	51	304	0.21
26/11/2024	20:37	56	46	79	300	0.23
26/11/2024	20:52	50	46	74	302	0.18
26/11/2024	21:07	51	45	78	271	0.14
26/11/2024	21:22	46	45	49	292	0.32
26/11/2024	21:37	46	45	51	307	0.21
26/11/2024	21:52	47	46	50	279	0.17
26/11/2024	22:07	47	46	56	311	0.27
26/11/2024	22:22	48	47	52	288	0.13
26/11/2024	22:37	47	46	53	306	0.20
26/11/2024	22:52	47	46	51	303	0.21
27/11/2024	08:22	60	49	85	340	0.34
27/11/2024	08:37	56	50	75	341	0.41
27/11/2024	08:52	58	49	76	331	0.33
27/11/2024	09:07	57	49	79	339	0.21
27/11/2024	09:22	53	49	73	327	0.24
27/11/2024	09:37	55	49	76	335	0.30
27/11/2024	09:52	56	48	74	347	0.46
27/11/2024	10:07	53	47	75	342	0.59
27/11/2024	10:22	53	48	74	338	0.54
27/11/2024	10:37	51	47	74	330	1.07
27/11/2024	10:52	53	47	74	327	0.92
27/11/2024	11:07	52	47	74	327	0.80
27/11/2024	11:22	54	47	75	330	0.91
27/11/2024	11:37	54	47	71	327	0.77
27/11/2024	11:52	53	47	72	329	0.70
27/11/2024	12:07	52	47	74	327	0.96
27/11/2024	12:22	52	45	74	327	0.97
27/11/2024	12:37	52	45	76	326	1.00

27/11/2024	12:52	53	45	73	327	1.18
27/11/2024	13:07	54	47	75	328	1.39
27/11/2024	13:22	55	46	75	326	0.91
27/11/2024	13:37	54	47	75	327	1.10
27/11/2024	13:52	55	47	78	326	1.35
27/11/2024	14:07	54	47	74	325	1.25
27/11/2024	14:22	51	47	72	326	1.02
27/11/2024	14:37	53	47	73	326	1.07
27/11/2024	14:52	52	46	72	327	0.90
27/11/2024	15:07	55	45	75	330	0.58
27/11/2024	15:22	53	45	76	323	0.50
27/11/2024	15:37	51	46	71	326	0.45
27/11/2024	15:52	49	45	70	317	0.40
27/11/2024	16:07	58	46	78	322	0.34
27/11/2024	16:22	55	45	76	313	0.38
27/11/2024	16:37	52	45	76	314	0.35
27/11/2024	16:52	51	44	73	282	0.23
27/11/2024	17:07	57	46	80	222	0.26
27/11/2024	17:22	56	45	78	218	0.21
27/11/2024	17:37	56	46	76	187	0.25
27/11/2024	17:52	53	46	74	198	0.22
27/11/2024	18:07	52	45	77	189	0.29
27/11/2024	18:22	50	44	72	213	0.18
27/11/2024	18:37	53	45	77	309	0.22
27/11/2024	18:52	53	46	77	320	0.21
27/11/2024	19:07	53	44	79	207	0.17
27/11/2024	19:22	53	44	78	269	0.15
27/11/2024	19:37	52	45	73	232	0.17
27/11/2024	19:52	52	47	75	299	0.23
27/11/2024	20:07	51	46	75	293	0.14
27/11/2024	20:22	47	46	50	284	0.18
27/11/2024	20:37	49	45	73	278	0.26
27/11/2024	20:52	52	45	76	296	0.18
27/11/2024	21:07	51	45	76	216	0.15
27/11/2024	21:22	47	46	51	269	0.20
27/11/2024	21:37	46	45	50	222	0.15
27/11/2024	21:52	45	43	49	187	0.14
27/11/2024	22:07	43	42	47	245	0.18
27/11/2024	22:22	46	43	56	300	0.25
27/11/2024	22:37	49	44	73	303	0.28
27/11/2024	22:52	47	45	53	288	0.20
28/11/2024	07:07	54	48	76	231	0.16
28/11/2024	07:22	50	49	62	292	0.18
28/11/2024	07:37	57	49	78	248	0.13
28/11/2024	07:52	58	49	78	183	0.24
28/11/2024	08:07	56	48	77	230	0.18
28/11/2024	08:22	51	49	73	236	0.13
28/11/2024	08:37	57	50	78	197	0.23
28/11/2024	08:52	54	49	75	213	0.19
28/11/2024	09:07	57	50	77	316	0.23
28/11/2024	09:22	56	49	74	311	0.25
28/11/2024	09:37	54	49	74	264	0.13
28/11/2024	09:52	53	48	75	224	0.15
28/11/2024	10:07	55	48	75	197	0.35
28/11/2024	10:22	55	48	79	185	0.55
28/11/2024	10:37	52	48	73	179	0.44

28/11/2024	10:52	53	46	74	181	0.49
28/11/2024	11:07	56	46	76	177	0.54
28/11/2024	11:22	53	47	75	175	0.74
28/11/2024	11:37	52	47	72	174	0.65
28/11/2024	11:52	56	46	75	177	0.72
28/11/2024	12:07	56	46	78	181	0.62
28/11/2024	12:22	50	45	72	177	0.79
28/11/2024	12:37	55	45	79	183	0.60
28/11/2024	12:52	54	45	77	182	0.60
28/11/2024	13:07	54	46	74	187	0.45
28/11/2024	13:22	57	46	76	183	0.88
28/11/2024	13:37	56	46	77	186	0.65
28/11/2024	13:52	58	46	77	180	0.74
28/11/2024	14:07	51	46	71	182	0.96
28/11/2024	14:22	55	46	76	178	0.81
28/11/2024	14:37	48	46	63	183	0.77
28/11/2024	14:52	56	46	75	179	0.74
28/11/2024	15:07	53	45	74	184	0.79
28/11/2024	15:22	56	45	77	181	0.72
28/11/2024	15:37	57	45	76	186	0.67
28/11/2024	15:52	56	45	78	179	0.69
28/11/2024	16:07	56	45	78	178	0.82
28/11/2024	16:22	56	45	76	180	0.96
28/11/2024	16:37	52	46	75	182	0.57
28/11/2024	16:52	59	46	80	188	0.44
28/11/2024	17:07	55	45	76	182	0.60
28/11/2024	17:22	54	45	79	186	0.83
28/11/2024	17:37	51	45	71	181	0.79
28/11/2024	17:52	52	44	77	180	0.61
28/11/2024	18:07	46	45	51	178	0.84
28/11/2024	18:22	50	44	74	178	0.96
28/11/2024	18:37	45	44	59	180	0.77
28/11/2024	18:52	48	44	74	182	1.00
28/11/2024	19:07	44	43	54	180	0.95
28/11/2024	19:22	52	43	78	178	1.13
28/11/2024	19:37	54	43	78	180	1.10
28/11/2024	19:52	49	43	73	185	0.89
28/11/2024	20:07	49	43	75	186	0.81
28/11/2024	20:22	51	43	78	187	0.92
28/11/2024	20:37	54	43	79	185	0.87
28/11/2024	20:52	54	43	79	184	0.97
28/11/2024	21:07	52	43	80	187	0.70
28/11/2024	21:22	53	43	75	178	0.59
28/11/2024	21:37	44	43	49	177	0.47
28/11/2024	21:52	43	42	46	177	0.48
28/11/2024	22:07	43	42	47	181	0.52
28/11/2024	22:22	44	43	50	183	0.35
28/11/2024	22:37	43	43	47	203	0.34
28/11/2024	22:52	44	43	49	190	0.40
29/11/2024	07:07	53	44	75	182	0.63
29/11/2024	07:22	52	45	73	186	1.11
29/11/2024	07:37	54	46	76	185	1.24
29/11/2024	07:52	55	46	75	189	0.98
29/11/2024	08:07	55	46	76	190	0.92
29/11/2024	08:22	54	46	77	185	0.76
29/11/2024	08:37	54	46	74	187	0.63

29/11/2024	08:52	57	46	76	183	0.59
29/11/2024	09:07	56	46	79	183	0.54
29/11/2024	09:22	53	46	75	185	0.43
29/11/2024	09:37	52	46	74	189	0.49
29/11/2024	09:52	55	45	75	185	0.68
29/11/2024	10:07	54	44	76	182	0.87
29/11/2024	10:22	53	45	76	180	1.16
29/11/2024	10:37	53	46	74	188	0.65
29/11/2024	10:52	57	46	79	178	0.81
29/11/2024	11:07	55	46	77	176	0.80
29/11/2024	11:22	56	46	77	182	0.99
29/11/2024	11:37	53	47	75	177	1.07
29/11/2024	11:52	55	47	77	179	0.96
29/11/2024	12:07	56	46	75	182	0.72
29/11/2024	12:22	54	46	75	184	0.57
29/11/2024	12:37	60	44	85	188	0.58
29/11/2024	12:52	58	45	78	193	0.67
29/11/2024	13:07	50	44	71	187	1.01
29/11/2024	13:22	49	43	72	182	1.29
29/11/2024	13:37	58	44	83	178	1.34
29/11/2024	13:52	53	44	75	187	1.00
29/11/2024	14:07	54	44	75	178	0.92
29/11/2024	14:22	51	43	74	180	1.01
29/11/2024	14:37	52	43	76	188	0.83
29/11/2024	14:52	48	43	72	178	1.26
29/11/2024	15:07	56	44	76	178	1.37
29/11/2024	15:22	56	44	79	184	1.61
29/11/2024	15:37	49	43	71	183	1.61
29/11/2024	15:52	52	43	77	181	1.32
29/11/2024	16:07	53	44	76	177	1.49
29/11/2024	16:22	56	44	81	175	1.51
29/11/2024	16:37	50	44	74	183	1.20
29/11/2024	20:37	50	44	76	171	0.93
29/11/2024	20:52	51	44	75	177	1.14
29/11/2024	21:07	45	44	55	175	1.21
29/11/2024	21:22	49	44	75	198	0.69
29/11/2024	21:37	50	43	77	184	0.51
29/11/2024	21:52	43	42	50	177	0.99
29/11/2024	22:07	44	43	56	179	1.10
29/11/2024	22:22	45	42	55	188	0.54
29/11/2024	22:37	44	43	49	182	0.76
29/11/2024	22:52	44	43	54	186	0.88
30/11/2024	07:07	49	42	73	182	0.72
30/11/2024	07:22	54	44	76	253	0.36
30/11/2024	07:37	53	47	77	237	0.28
30/11/2024	07:52	53	46	77	215	0.43
30/11/2024	08:07	49	47	69	241	0.31
30/11/2024	08:22	56	46	78	294	0.26
30/11/2024	08:37	54	44	74	317	0.23
30/11/2024	08:52	57	43	76	228	0.27
30/11/2024	09:07	50	42	73	175	0.84
30/11/2024	09:22	57	43	78	175	1.01
30/11/2024	09:37	57	44	77	173	0.93
30/11/2024	09:52	52	45	77	175	0.86
30/11/2024	10:07	54	45	73	188	0.75
30/11/2024	10:22	59	45	82	194	0.72

30/11/2024	10:37	59	44	82	192	0.71
30/11/2024	10:52	58	44	75	186	0.92
30/11/2024	11:07	58	44	80	178	1.17
30/11/2024	11:22	58	43	75	179	1.09
30/11/2024	11:37	57	43	76	185	1.20
30/11/2024	11:52	57	43	75	189	1.24
30/11/2024	12:07	56	42	75	190	1.18
30/11/2024	12:22	59	43	78	188	0.86
30/11/2024	12:37	57	43	75	180	1.00
30/11/2024	12:52	56	43	73	181	1.29
30/11/2024	13:07	56	43	73	183	1.34
30/11/2024	13:22	58	43	77	181	1.14
30/11/2024	13:37	57	44	76	182	1.28
30/11/2024	13:52	54	43	73	182	1.03
30/11/2024	14:07	57	44	78	186	1.61
30/11/2024	14:22	55	43	74	182	1.31
30/11/2024	14:37	55	43	75	181	1.22
30/11/2024	14:52	54	43	74	182	1.28
30/11/2024	15:07	55	43	76	182	1.60
30/11/2024	15:22	53	43	74	184	1.19
30/11/2024	15:37	49	44	72	178	1.09
30/11/2024	15:52	52	44	76	177	1.05
30/11/2024	16:07	53	44	74	176	0.96
30/11/2024	16:22	58	44	82	179	1.04
30/11/2024	16:37	50	44	73	184	1.24
30/11/2024	16:52	51	44	76	182	1.03
30/11/2024	17:07	53	44	75	182	1.20
30/11/2024	17:22	53	43	76	180	1.07
30/11/2024	17:37	52	43	74	178	0.79
30/11/2024	17:52	57	44	85	202	0.51
30/11/2024	18:07	55	43	78	187	0.47
30/11/2024	18:22	53	43	75	184	0.49
30/11/2024	18:37	53	42	77	178	0.56
30/11/2024	18:52	48	42	74	184	1.23
30/11/2024	19:07	47	42	70	185	1.22
30/11/2024	19:22	47	42	73	186	0.91
30/11/2024	19:37	44	42	61	188	0.94
30/11/2024	19:52	44	43	61	185	0.66
30/11/2024	20:07	43	42	48	190	0.57
30/11/2024	20:22	43	42	48	201	0.33
30/11/2024	20:37	43	42	57	187	0.42
30/11/2024	20:52	49	42	76	181	0.80
30/11/2024	21:07	43	42	52	184	1.00
30/11/2024	21:22	48	42	75	177	1.20
30/11/2024	21:37	47	42	70	181	0.97
30/11/2024	21:52	44	42	46	179	0.64
30/11/2024	22:07	45	42	64	177	0.57
30/11/2024	22:22	43	42	46	179	0.78
30/11/2024	22:37	44	43	47	180	0.53
30/11/2024	22:52	46	43	64	177	0.71
01/12/2024	09:22	55	45	76	194	0.44
01/12/2024	09:37	54	45	80	213	0.41
01/12/2024	09:52	59	46	77	181	0.63
01/12/2024	10:07	56	45	77	184	0.52
01/12/2024	10:22	56	44	75	177	0.75
01/12/2024	10:37	58	45	77	181	0.85

01/12/2024	10:52	59	44	75	184	0.93
01/12/2024	11:07	60	44	77	183	0.91
01/12/2024	11:22	57	43	74	180	0.94
01/12/2024	11:37	57	43	76	182	0.95
01/12/2024	11:52	55	42	77	193	0.72
01/12/2024	12:07	56	42	75	212	0.76
01/12/2024	12:22	55	42	75	218	0.89
01/12/2024	12:37	55	43	78	225	0.77
01/12/2024	12:52	56	43	73	214	0.91
01/12/2024	13:07	57	42	76	201	0.69
01/12/2024	13:22	56	42	73	208	0.63
01/12/2024	13:37	56	42	74	186	1.20
01/12/2024	13:52	56	42	77	188	1.27
01/12/2024	14:07	56	42	76	183	1.14
01/12/2024	14:22	55	42	76	186	1.16
01/12/2024	14:37	54	42	76	180	1.06
01/12/2024	17:52	49	41	74	224	0.93
01/12/2024	18:07	52	42	77	218	0.75
01/12/2024	19:37	42	41	51	215	0.59
01/12/2024	19:52	46	42	65	215	0.71
01/12/2024	20:07	48	42	73	195	0.60
01/12/2024	20:22	49	43	71	189	0.58
01/12/2024	20:37	45	44	59	207	0.37
01/12/2024	20:52	47	45	61	184	0.43
01/12/2024	21:07	56	45	82	184	0.57
01/12/2024	22:37	43	42	46	223	0.26
01/12/2024	22:52	43	42	46	315	0.44
02/12/2024	07:07	51	45	75	322	1.66
02/12/2024	07:22	51	46	72	313	1.82
02/12/2024	07:37	54	46	74	325	1.68
02/12/2024	07:52	56	47	76	328	1.50
02/12/2024	08:07	49	46	72	322	1.17
02/12/2024	08:22	55	46	78	322	1.45
02/12/2024	08:37	54	47	73	332	1.29
02/12/2024	08:52	54	47	74	329	1.46
02/12/2024	09:07	54	48	75	330	0.67
02/12/2024	09:22	52	48	73	324	1.04
02/12/2024	09:37	56	47	77	311	0.94
02/12/2024	09:52	52	44	73	315	1.22
02/12/2024	10:07	59	45	85	311	1.62
02/12/2024	10:22	56	46	75	318	1.50
02/12/2024	10:37	58	46	82	305	1.29
02/12/2024	10:52	58	46	79	279	1.44
02/12/2024	11:07	60	47	77	273	1.75
02/12/2024	11:22	61	48	75	292	1.66
02/12/2024	11:37	55	47	73	259	1.80
02/12/2024	11:52	54	46	75	291	1.78
02/12/2024	12:07	54	47	73	307	1.34
02/12/2024	12:22	54	45	74	298	1.04
02/12/2024	12:37	52	45	74	291	1.07
02/12/2024	12:52	54	45	75	331	1.02
02/12/2024	13:07	51	47	72	330	1.15
02/12/2024	13:22	54	48	73	327	1.10
02/12/2024	13:37	57	49	74	323	1.31
02/12/2024	13:52	57	52	78	331	1.76
02/12/2024	14:07	57	52	76	346	1.53

02/12/2024	16:37	53	47	76	328	0.83
02/12/2024	16:52	51	47	75	325	0.65
02/12/2024	17:07	55	46	76	332	0.66
02/12/2024	17:22	51	46	77	330	0.61
02/12/2024	17:37	48	46	70	327	0.78
02/12/2024	17:52	54	46	76	328	0.63
02/12/2024	18:07	54	46	78	336	0.58
02/12/2024	18:22	51	46	74	338	0.55
02/12/2024	18:37	53	46	77	332	0.41
02/12/2024	18:52	56	46	78	333	0.47
02/12/2024	19:07	57	46	80	326	0.51
02/12/2024	19:22	54	46	77	340	0.91
02/12/2024	19:37	46	45	51	329	0.61
02/12/2024	19:52	56	46	81	324	0.48
02/12/2024	20:07	50	46	72	327	0.32
02/12/2024	20:22	49	46	70	299	0.25
02/12/2024	20:37	49	47	70	340	0.31
02/12/2024	20:52	48	47	53	325	0.37
02/12/2024	21:07	48	46	69	265	0.15
02/12/2024	21:22	46	45	51	278	0.24
02/12/2024	21:37	46	45	49	290	0.17
02/12/2024	21:52	57	45	77	197	0.22
02/12/2024	22:07	46	45	48	302	0.19
02/12/2024	22:22	47	45	51	331	0.30
02/12/2024	22:37	46	45	50	316	0.30
02/12/2024	22:52	45	45	50	230	0.16
03/12/2024	07:07	48	48	63	242	0.21
03/12/2024	07:22	53	48	76	217	0.28
03/12/2024	07:37	52	48	75	315	0.33
03/12/2024	07:52	57	48	75	236	0.15
03/12/2024	08:07	57	47	76	247	0.25
03/12/2024	08:22	53	46	75	224	0.16
03/12/2024	08:37	56	46	76	185	0.40
03/12/2024	08:52	56	46	75	199	0.40
03/12/2024	09:07	58	47	77	188	0.59
03/12/2024	09:22	59	47	80	193	0.39
03/12/2024	09:37	58	47	77	309	0.30
03/12/2024	09:52	54	46	74	257	0.34
03/12/2024	10:07	66	46	91	198	0.55
03/12/2024	10:22	57	46	77	189	0.46
03/12/2024	10:37	59	49	77	189	0.52
03/12/2024	10:52	57	49	78	192	0.40
03/12/2024	11:07	58	49	76	198	0.38
03/12/2024	11:22	55	49	74	228	0.35
03/12/2024	11:37	56	49	78	271	0.24
03/12/2024	11:52	56	48	75	324	0.21
03/12/2024	12:07	54	47	73	333	0.32
03/12/2024	12:22	56	45	76	264	0.47
03/12/2024	12:37	53	46	74	204	0.50
03/12/2024	12:52	57	46	75	185	0.71
03/12/2024	13:07	54	47	76	227	0.48
03/12/2024	13:22	55	48	74	216	0.41
03/12/2024	13:37	54	47	72	199	0.65
03/12/2024	13:52	53	49	72	191	0.86
03/12/2024	14:07	53	48	75	184	0.99
03/12/2024	14:22	56	48	78	180	0.98

03/12/2024	14:37	56	48	78	181	0.99
03/12/2024	14:52	54	44	75	185	0.87
03/12/2024	15:07	53	46	76	224	0.55
03/12/2024	15:22	55	45	75	226	0.49
03/12/2024	15:37	57	46	77	201	0.71
03/12/2024	15:52	56	46	75	199	0.55
03/12/2024	16:07	55	46	77	227	0.36
03/12/2024	16:22	55	46	77	223	0.42
03/12/2024	16:37	53	46	76	219	0.50
03/12/2024	16:52	54	45	77	231	0.46
03/12/2024	17:07	54	45	78	232	0.53
03/12/2024	17:22	52	44	74	234	0.43
03/12/2024	17:37	44	43	52	220	0.57
03/12/2024	17:52	50	44	73	207	0.51
03/12/2024	18:07	53	45	76	197	0.56
03/12/2024	18:22	47	44	71	194	0.60
03/12/2024	18:37	51	43	76	210	0.69
03/12/2024	18:52	46	43	68	222	0.69
03/12/2024	19:07	49	43	74	205	0.54
03/12/2024	19:22	50	44	77	183	0.63
03/12/2024	19:37	53	45	77	188	0.61
03/12/2024	19:52	47	46	56	182	0.51
03/12/2024	20:07	53	45	75	215	0.31
03/12/2024	20:22	50	45	73	265	0.25
03/12/2024	20:37	51	45	76	182	0.50
03/12/2024	20:52	51	46	75	179	0.54
03/12/2024	21:07	46	46	50	179	0.56
03/12/2024	21:22	52	45	78	180	0.73
03/12/2024	21:37	49	45	70	194	0.46
03/12/2024	21:52	46	45	51	184	0.80
03/12/2024	22:07	52	46	80	175	0.98
03/12/2024	22:22	47	46	51	173	0.92
03/12/2024	22:37	47	46	52	172	0.99
03/12/2024	22:52	51	45	77	173	0.98
04/12/2024	07:07	53	50	75	271	0.25
04/12/2024	07:22	58	48	84	233	0.21
04/12/2024	07:37	55	49	77	193	0.28
04/12/2024	07:52	58	49	76	182	0.45
04/12/2024	08:07	55	48	76	321	0.24
04/12/2024	08:22	53	48	76	307	0.20
04/12/2024	08:37	58	47	80	277	0.32
04/12/2024	08:52	54	48	75	208	0.24
04/12/2024	09:07	57	49	77	246	0.25
04/12/2024	09:22	53	48	72	193	0.59
04/12/2024	09:37	54	48	74	250	0.40
04/12/2024	09:52	51	48	73	233	0.25
04/12/2024	10:07	55	47	74	194	0.47
04/12/2024	10:22	55	48	76	186	0.58
04/12/2024	10:37	58	48	76	189	0.41
04/12/2024	10:52	58	48	76	193	0.36
04/12/2024	11:07	57	48	79	182	0.54
04/12/2024	11:22	54	48	74	182	0.53
04/12/2024	11:37	59	49	77	178	0.80
04/12/2024	11:52	57	48	75	176	0.62
04/12/2024	12:07	57	48	78	180	0.89
04/12/2024	12:22	55	47	75	179	0.89

04/12/2024	12:37	54	47	73	176	0.99
04/12/2024	12:52	53	47	74	178	0.89
04/12/2024	13:07	56	48	78	176	0.65
04/12/2024	13:22	55	48	75	187	0.48
04/12/2024	13:37	59	48	83	184	0.46
04/12/2024	13:52	53	47	76	182	0.44
04/12/2024	14:07	55	47	80	180	0.81
04/12/2024	14:22	54	47	77	178	1.00
04/12/2024	14:37	54	47	74	186	0.71
04/12/2024	14:52	55	48	76	223	0.46
04/12/2024	15:07	58	47	79	207	0.58
04/12/2024	15:22	51	47	73	182	1.00
04/12/2024	19:37	57	45	77	182	1.66
04/12/2024	19:52	49	44	74	181	1.62
04/12/2024	20:07	49	45	74	183	1.17
04/12/2024	20:22	48	45	70	187	1.23
04/12/2024	20:37	48	45	69	179	0.88
04/12/2024	20:52	46	45	50	183	0.67
04/12/2024	21:07	46	45	51	181	0.77
04/12/2024	21:22	46	45	52	186	0.73
04/12/2024	21:37	46	44	51	180	0.81
04/12/2024	21:52	51	44	74	194	0.64
04/12/2024	22:07	46	44	68	182	1.27
04/12/2024	22:22	49	45	72	189	1.43
04/12/2024	22:37	51	45	74	187	1.48
04/12/2024	22:52	51	44	75	186	1.47
05/12/2024	07:07	46	45	62	223	0.85
05/12/2024	07:22	53	45	76	222	1.24
05/12/2024	07:37	55	46	77	266	1.34
05/12/2024	07:52	55	46	75	259	1.33
05/12/2024	08:07	55	46	79	273	0.88
05/12/2024	08:22	53	46	75	252	0.87
05/12/2024	08:37	55	46	75	243	0.99
05/12/2024	08:52	51	46	73	232	0.79
05/12/2024	09:07	51	46	74	251	0.64
05/12/2024	09:22	53	46	73	258	0.90
05/12/2024	09:37	57	46	76	255	0.94
05/12/2024	09:52	57	46	78	243	0.71
05/12/2024	10:07	52	46	78	312	0.51
05/12/2024	10:22	54	45	74	244	0.56
05/12/2024	10:37	55	46	74	255	0.69
05/12/2024	10:52	54	46	73	224	0.91
05/12/2024	11:07	55	46	75	229	1.03
05/12/2024	11:22	57	46	77	214	0.82
05/12/2024	11:37	55	46	75	184	0.96
05/12/2024	11:52	54	46	74	180	1.18
05/12/2024	12:07	55	46	74	185	1.04
05/12/2024	19:52	49	46	59	318	2.25
05/12/2024	20:07	56	48	83	303	1.87
05/12/2024	20:22	56	48	79	319	1.95
05/12/2024	20:37	58	49	86	317	2.08
05/12/2024	20:52	52	49	65	319	2.17
05/12/2024	21:07	52	49	62	323	2.90
05/12/2024	21:22	54	49	73	323	2.55
05/12/2024	21:37	55	51	78	320	2.67
06/12/2024	07:07	52	47	81	245	0.66

06/12/2024	07:22	52	46	78	253	0.76
06/12/2024	07:37	57	46	81	321	0.99
06/12/2024	07:52	60	46	82	299	1.21
06/12/2024	08:07	55	46	78	271	0.51
06/12/2024	08:22	55	46	78	245	0.74
06/12/2024	08:37	59	46	82	251	0.60
06/12/2024	08:52	61	46	80	293	0.83
06/12/2024	09:07	57	45	80	228	0.81
06/12/2024	09:22	60	46	86	227	1.00
06/12/2024	09:37	59	46	80	224	0.91
06/12/2024	09:52	58	46	79	217	0.59
06/12/2024	10:07	59	46	82	235	0.56
06/12/2024	10:22	59	47	81	239	0.64
06/12/2024	10:37	60	47	81	210	0.58
06/12/2024	10:52	61	48	85	199	0.50
06/12/2024	11:07	61	48	80	244	0.53
06/12/2024	11:22	64	47	90	206	0.47
06/12/2024	11:37	58	48	78	208	0.51
06/12/2024	11:52	74	49	108	182	0.83
06/12/2024	12:07	57	46	79	177	1.06
06/12/2024	12:22	59	46	80	175	0.94
06/12/2024	12:37	57	45	82	177	0.99
06/12/2024	12:52	60	46	80	182	0.94
06/12/2024	13:07	56	48	80	188	0.64
06/12/2024	13:22	56	46	80	200	0.59
06/12/2024	13:37	56	46	78	198	0.56
06/12/2024	13:52	60	47	84	184	1.03
06/12/2024	15:52	57	47	80	183	1.07
06/12/2024	16:07	60	48	83	180	1.31
06/12/2024	16:22	54	48	77	176	1.46
06/12/2024	16:37	53	47	79	180	1.74
06/12/2024	16:52	58	48	80	179	2.09
06/12/2024	17:07	59	48	83	180	1.79
06/12/2024	17:22	60	47	83	176	1.48
08/12/2024	07:07	51	49	60	342	1.60
08/12/2024	07:22	53	49	75	345	1.49
08/12/2024	07:37	52	50	59	343	1.62
08/12/2024	07:52	54	50	80	343	1.62
08/12/2024	08:07	53	50	74	343	1.94
08/12/2024	08:22	58	50	82	346	1.61
08/12/2024	08:37	65	51	96	341	1.47
08/12/2024	08:52	54	51	76	338	1.61
08/12/2024	09:07	57	51	78	343	1.61
08/12/2024	09:22	55	51	74	343	1.54
08/12/2024	09:37	56	52	74	342	1.78
08/12/2024	09:52	63	52	88	345	1.81
08/12/2024	10:07	58	52	82	342	1.92
08/12/2024	10:22	56	52	75	341	1.94
08/12/2024	10:37	59	53	79	345	1.92
08/12/2024	10:52	62	53	80	344	1.83
08/12/2024	11:07	62	53	81	339	1.86
08/12/2024	11:22	63	52	91	338	1.95
08/12/2024	11:37	60	53	78	340	1.77
08/12/2024	11:52	62	54	80	336	2.24
08/12/2024	12:07	59	52	80	337	2.10
08/12/2024	12:22	61	53	79	338	1.79

08/12/2024	12:37	58	51	77	340	1.67
08/12/2024	12:52	60	53	77	339	1.87
08/12/2024	13:07	61	52	80	336	1.99
08/12/2024	13:22	59	51	80	339	1.53
08/12/2024	13:37	59	51	79	341	1.52
08/12/2024	13:52	59	51	80	341	1.80
08/12/2024	14:07	59	51	83	338	1.86
08/12/2024	14:22	60	52	81	336	2.08
08/12/2024	14:37	58	53	78	338	1.92
08/12/2024	14:52	58	53	77	332	2.20
08/12/2024	15:07	56	52	73	338	1.88
08/12/2024	15:22	58	53	77	342	1.73
08/12/2024	15:37	59	53	76	336	1.87
08/12/2024	15:52	58	53	78	335	2.02
08/12/2024	16:07	59	53	76	336	1.85
08/12/2024	16:22	58	52	78	336	1.81
08/12/2024	16:37	58	52	78	341	1.77
08/12/2024	16:52	58	52	79	343	1.72
08/12/2024	17:07	56	52	76	343	1.77
08/12/2024	18:37	58	51	80	344	1.44
08/12/2024	18:52	57	50	77	343	1.67
08/12/2024	19:07	60	51	87	344	1.62
08/12/2024	19:22	55	51	80	345	1.40
08/12/2024	19:37	53	51	75	343	1.33
08/12/2024	19:52	52	51	62	344	1.50
08/12/2024	20:07	53	50	76	345	1.31
08/12/2024	20:22	54	51	75	339	1.50
08/12/2024	20:37	52	51	58	343	1.65
08/12/2024	20:52	52	50	55	346	1.56
08/12/2024	21:07	55	50	81	344	1.46
08/12/2024	21:22	53	50	73	346	1.50
08/12/2024	21:37	51	50	60	342	1.55
08/12/2024	21:52	51	50	60	343	1.31
08/12/2024	22:07	51	49	61	341	1.25
08/12/2024	22:22	51	49	56	341	1.02
08/12/2024	22:37	52	50	74	346	1.06
08/12/2024	22:52	50	49	56	343	0.83
09/12/2024	07:07	59	52	83	343	0.91
09/12/2024	09:22	56	52	78	344	1.01
09/12/2024	09:37	58	52	78	343	0.94
09/12/2024	09:52	59	51	84	341	0.97
09/12/2024	10:07	61	51	81	342	0.76
09/12/2024	10:22	59	52	78	345	0.95
09/12/2024	10:37	55	52	76	344	1.07
09/12/2024	10:52	61	53	83	343	1.32
09/12/2024	11:07	63	53	82	344	1.26
09/12/2024	11:22	57	53	77	346	1.48
09/12/2024	11:37	57	52	75	347	1.31
09/12/2024	11:52	57	52	79	342	1.14
09/12/2024	12:07	58	52	78	344	1.17
09/12/2024	12:22	58	52	80	342	1.25
09/12/2024	12:37	56	51	77	345	1.49
09/12/2024	12:52	57	51	81	344	1.48
09/12/2024	13:07	59	52	79	341	1.39
09/12/2024	13:22	59	52	79	343	1.36
09/12/2024	13:37	60	52	79	340	1.24

09/12/2024	13:52	56	52	77	342	1.19
09/12/2024	14:07	61	53	79	340	1.27
09/12/2024	14:22	58	53	82	339	1.17
09/12/2024	14:37	57	53	76	343	1.19
09/12/2024	14:52	60	53	83	338	1.16
09/12/2024	15:07	56	52	78	341	1.24
09/12/2024	15:22	57	52	79	345	1.08
09/12/2024	15:37	56	52	78	337	0.94
09/12/2024	15:52	59	52	81	337	0.95
09/12/2024	16:07	61	52	87	346	1.08
09/12/2024	16:22	59	52	82	341	1.06
09/12/2024	16:37	59	51	84	339	0.95
09/12/2024	16:52	57	51	82	343	0.92
09/12/2024	17:07	58	51	80	345	1.06
09/12/2024	17:22	57	50	78	344	1.07
09/12/2024	17:37	57	51	79	342	0.96
09/12/2024	17:52	52	51	57	343	1.07
09/12/2024	18:07	59	51	81	345	1.13
09/12/2024	18:22	57	51	80	342	1.16
09/12/2024	18:37	60	50	82	343	1.10
09/12/2024	18:52	55	50	77	346	1.17
09/12/2024	19:07	53	50	73	341	0.99
09/12/2024	19:22	58	51	81	342	0.90
09/12/2024	19:37	54	51	76	342	1.01
09/12/2024	19:52	58	50	82	342	0.93
09/12/2024	20:07	67	51	88	341	1.00
09/12/2024	20:22	57	51	83	344	0.88
09/12/2024	20:37	52	50	68	344	1.20
09/12/2024	20:52	57	50	83	343	0.96
09/12/2024	21:07	52	50	59	341	1.08
09/12/2024	21:22	51	50	58	342	0.96
09/12/2024	21:37	51	50	59	336	0.62
09/12/2024	21:52	53	49	78	340	0.70
09/12/2024	22:07	57	50	79	337	0.69
09/12/2024	22:22	56	50	78	342	0.66
09/12/2024	22:37	55	50	80	341	0.69
09/12/2024	22:52	51	50	60	343	0.92
10/12/2024	07:07	57	52	81	342	0.77
10/12/2024	07:22	59	52	82	342	0.85
10/12/2024	07:37	57	52	78	340	0.76
10/12/2024	07:52	61	52	81	340	0.68
10/12/2024	08:07	59	52	80	342	0.75
10/12/2024	08:22	61	52	80	340	0.83
10/12/2024	08:37	58	52	81	340	0.72
10/12/2024	08:52	58	52	80	337	0.72
10/12/2024	09:07	62	52	83	345	0.61
10/12/2024	09:22	58	53	81	340	0.68
10/12/2024	09:37	57	52	78	343	0.83
10/12/2024	09:52	58	52	77	339	0.61
10/12/2024	10:07	58	51	81	339	0.67
10/12/2024	10:22	61	52	85	340	0.82
10/12/2024	10:37	59	53	79	338	0.86
10/12/2024	10:52	61	53	79	342	0.95
10/12/2024	11:07	59	53	77	338	0.89
10/12/2024	11:22	58	53	79	341	0.80
10/12/2024	11:37	61	53	81	341	0.70

10/12/2024	11:52	59	52	80	338	0.66
10/12/2024	12:07	61	52	83	338	0.77
10/12/2024	12:22	57	52	77	338	0.82
10/12/2024	12:37	57	52	76	334	0.60
10/12/2024	12:52	57	51	81	329	0.61
10/12/2024	13:07	57	52	79	330	0.70
10/12/2024	13:22	59	52	79	326	0.55
10/12/2024	13:37	58	52	82	320	0.62
10/12/2024	13:52	59	52	80	338	0.55
10/12/2024	14:07	57	52	79	333	0.63
10/12/2024	14:22	58	52	77	336	0.55
10/12/2024	14:37	58	53	79	327	0.55
10/12/2024	14:52	56	52	76	334	0.56
10/12/2024	15:07	57	51	77	320	0.39
10/12/2024	15:22	60	51	82	327	0.38
10/12/2024	15:37	60	52	84	326	0.35
10/12/2024	15:52	56	51	78	347	0.48
10/12/2024	16:07	71	51	100	343	0.57
10/12/2024	16:22	62	50	85	332	0.34
10/12/2024	16:37	57	50	78	344	0.58
10/12/2024	16:52	58	50	79	339	0.41
10/12/2024	17:07	59	49	81	341	0.39
10/12/2024	17:22	60	50	82	341	0.63
10/12/2024	17:37	51	50	56	339	0.59
10/12/2024	17:52	55	50	77	340	0.76
10/12/2024	18:07	55	49	79	341	0.62
10/12/2024	18:22	51	50	64	341	0.62
10/12/2024	18:37	57	49	80	341	0.42
10/12/2024	18:52	56	49	82	338	0.65
10/12/2024	19:07	56	49	81	341	0.82
10/12/2024	19:22	56	50	81	341	0.64
10/12/2024	19:37	58	50	80	335	0.47
10/12/2024	19:52	56	50	80	343	0.73
10/12/2024	20:07	53	50	74	331	0.44
10/12/2024	20:22	53	50	76	319	0.38
10/12/2024	20:37	54	49	76	327	0.39
10/12/2024	20:52	50	49	58	343	0.48
10/12/2024	21:07	50	49	59	333	0.41
10/12/2024	21:22	54	49	80	340	0.53
10/12/2024	21:37	50	49	56	338	0.53
10/12/2024	21:52	51	49	63	338	0.53
10/12/2024	22:07	55	49	81	249	0.27
10/12/2024	22:22	52	49	76	324	0.33
10/12/2024	22:37	51	49	58	335	0.42
10/12/2024	22:52	50	49	56	334	0.37
11/12/2024	07:07	55	52	80	306	0.37
11/12/2024	07:22	62	52	88	290	0.28
11/12/2024	07:37	60	52	79	315	0.39
11/12/2024	07:52	60	52	83	305	0.31
11/12/2024	08:07	59	52	83	294	0.24
11/12/2024	08:22	57	52	80	331	0.29
11/12/2024	08:37	63	52	87	330	0.25
11/12/2024	08:52	57	52	80	284	0.25
11/12/2024	09:07	57	51	80	299	0.32
11/12/2024	09:22	57	51	78	315	0.31
11/12/2024	09:37	61	51	83	286	0.25

11/12/2024	09:52	60	51	80	241	0.22
11/12/2024	10:07	57	51	80	284	0.23
11/12/2024	10:22	57	51	79	307	0.27
11/12/2024	10:37	60	51	80	306	0.31
11/12/2024	10:52	61	50	79	316	0.33
11/12/2024	11:07	60	50	81	296	0.24
11/12/2024	11:22	61	51	81	328	0.36
11/12/2024	11:37	59	50	82	320	0.30
11/12/2024	11:52	57	50	79	325	0.34
11/12/2024	12:07	59	50	79	312	0.36
11/12/2024	12:22	59	50	79	304	0.35
11/12/2024	12:37	56	49	76	305	0.37
11/12/2024	12:52	56	49	77	312	0.39
11/12/2024	13:07	60	50	86	279	0.41
11/12/2024	13:22	57	49	78	263	0.32
11/12/2024	13:37	58	49	79	288	0.28
11/12/2024	13:52	58	50	81	302	0.37
11/12/2024	14:07	57	50	80	266	0.26
11/12/2024	14:22	57	50	79	297	0.28
11/12/2024	14:37	55	50	76	290	0.31
11/12/2024	14:52	57	50	81	268	0.28
11/12/2024	15:07	57	50	79	301	0.35
11/12/2024	15:22	57	50	78	243	0.23
11/12/2024	15:37	59	50	83	308	0.28
11/12/2024	15:52	60	50	82	250	0.27
11/12/2024	16:07	56	50	80	280	0.28
11/12/2024	16:22	56	50	80	233	0.17
11/12/2024	16:37	51	50	64	274	0.16
11/12/2024	16:52	59	50	84	246	0.22
11/12/2024	17:07	59	50	79	249	0.21
11/12/2024	17:22	60	50	82	279	0.24
11/12/2024	17:37	53	50	76	248	0.27
11/12/2024	17:52	57	50	79	263	0.29
11/12/2024	18:07	57	50	80	245	0.29
11/12/2024	18:22	51	50	59	282	0.25
11/12/2024	18:37	55	50	79	261	0.33
11/12/2024	18:52	53	49	75	251	0.36
11/12/2024	19:07	52	49	74	245	0.29
11/12/2024	19:22	55	49	80	271	0.31
11/12/2024	19:37	56	48	80	247	0.26
11/12/2024	19:52	53	48	78	255	0.37
11/12/2024	20:07	49	48	56	256	0.22
11/12/2024	20:22	49	48	54	262	0.27
11/12/2024	20:37	53	48	79	225	0.37
11/12/2024	20:52	50	49	54	228	0.25
11/12/2024	21:07	50	49	54	265	0.27
11/12/2024	21:22	53	49	77	261	0.35
11/12/2024	21:37	55	49	81	274	0.30
11/12/2024	21:52	49	48	53	211	0.31
11/12/2024	22:07	51	48	75	193	0.35
11/12/2024	22:22	48	47	56	209	0.25
11/12/2024	22:37	49	48	56	245	0.17
11/12/2024	22:52	49	48	56	241	0.13
12/12/2024	07:07	49	48	53	320	0.27
12/12/2024	07:22	52	48	78	315	0.19
12/12/2024	07:37	56	48	79	280	0.14

12/12/2024	07:52	60	48	81	296	0.13
12/12/2024	08:07	57	49	82	334	0.27
12/12/2024	08:22	58	49	81	330	0.19
12/12/2024	08:37	56	48	79	327	0.22
12/12/2024	08:52	57	48	82	288	0.16
12/12/2024	09:07	58	48	82	324	0.22
12/12/2024	09:22	57	48	79	320	0.19
12/12/2024	09:37	58	49	84	335	0.35
12/12/2024	09:52	60	48	79	330	0.26
12/12/2024	10:07	57	48	79	316	0.26
12/12/2024	10:22	58	48	79	311	0.22
12/12/2024	10:37	60	49	82	328	0.28
12/12/2024	10:52	59	49	79	321	0.31
12/12/2024	11:07	58	49	81	324	0.37
12/12/2024	11:22	59	49	84	323	0.39
12/12/2024	11:37	59	49	79	326	0.40
12/12/2024	11:52	55	49	78	334	0.36
12/12/2024	12:07	57	49	79	335	0.37
12/12/2024	12:22	55	48	76	322	0.42
12/12/2024	12:37	58	48	81	322	0.38
12/12/2024	12:52	57	49	82	329	0.38
12/12/2024	13:07	60	50	88	342	0.35
12/12/2024	13:22	59	50	78	341	0.43
12/12/2024	13:37	57	49	77	332	0.25
12/12/2024	13:52	58	49	80	322	0.39
12/12/2024	14:07	58	49	79	305	0.26
12/12/2024	14:22	56	50	75	337	0.43
12/12/2024	14:37	56	49	78	341	0.39
12/12/2024	14:52	59	48	79	329	0.33
12/12/2024	15:07	59	49	79	333	0.25
12/12/2024	15:22	59	48	82	329	0.21
12/12/2024	15:37	51	48	75	301	0.14
12/12/2024	15:52	58	48	83	334	0.31
12/12/2024	16:07	57	48	80	330	0.27
12/12/2024	16:22	60	47	85	324	0.27
12/12/2024	16:37	55	47	82	323	0.33
12/12/2024	16:52	53	47	77	326	0.31
12/12/2024	17:07	57	47	83	327	0.27
12/12/2024	17:22	55	48	80	333	0.26
12/12/2024	17:37	56	48	77	331	0.37
12/12/2024	17:52	53	47	77	324	0.30
12/12/2024	18:07	52	48	74	325	0.29
12/12/2024	18:22	57	48	80	323	0.29
12/12/2024	18:37	53	49	77	306	0.27
12/12/2024	18:52	53	48	80	334	0.36
12/12/2024	19:07	57	48	78	318	0.30
12/12/2024	19:22	55	47	80	334	0.34
12/12/2024	19:37	51	48	75	336	0.38
12/12/2024	19:52	55	48	82	330	0.35
12/12/2024	20:07	55	47	79	329	0.33
12/12/2024	20:22	53	47	78	322	0.21
12/12/2024	20:37	49	48	54	320	0.24
12/12/2024	20:52	49	48	54	335	0.35
12/12/2024	21:07	48	48	52	342	0.43
12/12/2024	21:22	52	47	78	340	0.38
12/12/2024	21:37	49	48	54	320	0.23

12/12/2024	21:52	53	48	76	277	0.21
12/12/2024	22:07	51	48	75	267	0.22
12/12/2024	22:22	51	47	76	267	0.20
12/12/2024	22:37	48	47	52	284	0.21
12/12/2024	22:52	47	46	54	241	0.20

Raw data and central tendencies for location NSR-3: Lwyn-Y-Cil Road

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	46/51	49	50/52
Mean	48	46	57
Mean - 1 s.d.	44	43	-
Log Average	51	-	-

Table 4: Night-time period (23:00 to 07:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	23:07	49	48	57	206	0.45
25/11/2024	23:22	49	48	56	187	0.50
25/11/2024	23:37	47	46	53	184	0.69
25/11/2024	23:52	47	46	50	197	0.54
26/11/2024	00:07	47	46	54	221	0.55
26/11/2024	00:22	48	47	52	191	0.41
26/11/2024	00:37	47	46	53	201	0.38
26/11/2024	00:52	45	45	53	196	0.59
26/11/2024	01:07	46	45	54	183	0.43
26/11/2024	01:22	47	45	55	178	0.58
26/11/2024	01:37	45	43	52	182	0.52
26/11/2024	01:52	44	43	49	177	0.62
26/11/2024	02:07	45	44	49	188	0.58
26/11/2024	02:22	45	44	48	200	0.28
26/11/2024	02:37	46	45	53	188	0.40
26/11/2024	02:52	47	46	51	185	0.57
26/11/2024	03:07	47	46	54	188	0.41
26/11/2024	03:22	47	45	50	180	0.81
26/11/2024	03:37	46	45	51	178	0.82
26/11/2024	03:52	46	46	50	175	0.82
26/11/2024	04:07	47	46	52	179	0.72
26/11/2024	04:22	46	45	51	178	0.62
26/11/2024	04:37	46	45	51	181	0.57
26/11/2024	04:52	46	44	53	184	0.54
26/11/2024	05:07	45	44	51	203	0.53
26/11/2024	05:22	46	45	52	241	0.20
26/11/2024	05:37	48	47	57	174	0.41
26/11/2024	05:52	48	47	52	189	0.41
26/11/2024	06:07	55	47	78	177	0.55
26/11/2024	06:22	47	46	53	330	0.21
26/11/2024	06:37	48	46	57	203	0.27
26/11/2024	06:52	52	48	74	192	0.41
26/11/2024	23:07	48	47	51	315	0.33
26/11/2024	23:22	48	47	51	265	0.31
26/11/2024	23:37	47	46	50	272	0.17
26/11/2024	23:52	46	45	51	304	0.25
27/11/2024	00:07	47	46	51	287	0.22
27/11/2024	00:22	48	47	50	267	0.19
27/11/2024	00:37	47	46	52	311	0.23
27/11/2024	00:52	46	45	50	233	0.13
27/11/2024	01:07	46	45	50	203	0.20

27/11/2024	01:22	53	45	77	302	0.25
27/11/2024	01:37	46	45	50	238	0.15
27/11/2024	01:52	47	46	51	328	0.32
27/11/2024	02:07	47	46	52	327	0.23
27/11/2024	02:22	47	46	52	289	0.23
27/11/2024	02:37	46	45	50	231	0.13
27/11/2024	23:07	47	46	52	293	0.20
27/11/2024	23:22	48	47	52	229	0.16
27/11/2024	23:37	47	46	51	229	0.18
27/11/2024	23:52	47	46	57	320	0.22
28/11/2024	00:07	46	44	49	254	0.11
28/11/2024	00:22	46	44	50	219	0.21
28/11/2024	00:37	46	44	51	207	0.15
28/11/2024	00:52	44	43	49	309	0.23
28/11/2024	01:07	45	44	48	289	0.21
28/11/2024	01:22	47	46	51	221	0.22
28/11/2024	01:37	47	46	53	268	0.23
28/11/2024	01:52	46	45	50	304	0.18
28/11/2024	02:07	46	45	55	190	0.23
28/11/2024	02:22	46	44	51	219	0.15
28/11/2024	02:37	47	46	49	240	0.12
28/11/2024	02:52	47	46	51	329	0.21
28/11/2024	03:07	46	44	50	230	0.21
28/11/2024	03:22	48	45	70	298	0.13
28/11/2024	03:37	47	46	50	214	0.14
28/11/2024	03:52	47	46	51	287	0.14
28/11/2024	04:07	47	45	58	236	0.12
28/11/2024	04:22	47	45	51	247	0.13
28/11/2024	04:37	47	45	53	263	0.13
28/11/2024	04:52	47	45	53	229	0.16
28/11/2024	05:07	47	45	51	314	0.18
28/11/2024	05:22	46	45	53	302	0.16
28/11/2024	05:37	46	45	51	291	0.12
28/11/2024	05:52	49	47	58	301	0.17
28/11/2024	06:07	49	48	52	303	0.17
28/11/2024	06:22	51	47	74	210	0.24
28/11/2024	06:37	50	48	57	245	0.18
28/11/2024	06:52	53	49	75	297	0.20
28/11/2024	23:07	45	42	56	185	0.56
28/11/2024	23:22	43	42	47	182	0.98
28/11/2024	23:37	42	41	48	185	1.04
28/11/2024	23:52	42	41	47	185	1.00
29/11/2024	00:07	45	41	67	184	1.11
29/11/2024	00:22	42	41	52	187	1.01
29/11/2024	00:37	42	41	48	187	0.84
29/11/2024	00:52	42	41	44	185	0.69
29/11/2024	01:07	42	41	49	181	0.79
29/11/2024	01:22	41	40	44	180	0.85
29/11/2024	01:37	43	40	54	178	0.80
29/11/2024	01:52	41	40	48	175	0.69
29/11/2024	02:07	41	40	44	178	0.80
29/11/2024	02:22	41	40	44	180	0.70
29/11/2024	02:37	41	40	44	179	0.69
29/11/2024	02:52	41	40	45	182	0.89
29/11/2024	03:07	42	41	49	181	0.74
29/11/2024	03:22	42	41	49	185	0.69

29/11/2024	03:37	41	40	48	185	0.68
29/11/2024	03:52	42	40	48	186	0.50
29/11/2024	04:07	42	41	47	188	0.51
29/11/2024	04:22	41	40	46	272	0.16
29/11/2024	04:37	43	41	52	207	0.41
29/11/2024	04:52	42	41	46	178	1.07
29/11/2024	05:07	42	42	46	181	0.79
29/11/2024	05:22	43	41	50	177	0.55
29/11/2024	05:37	44	42	53	186	0.55
29/11/2024	05:52	46	43	56	204	0.30
29/11/2024	06:07	45	44	52	190	0.46
29/11/2024	06:22	44	44	50	203	0.41
29/11/2024	06:37	45	43	53	190	0.35
29/11/2024	06:52	45	44	47	185	0.74
29/11/2024	23:07	44	42	51	190	0.84
29/11/2024	23:22	49	42	75	185	0.70
29/11/2024	23:37	43	42	47	184	0.73
29/11/2024	23:52	50	42	75	179	0.90
30/11/2024	00:07	42	41	45	171	0.88
30/11/2024	00:22	42	41	45	182	0.61
30/11/2024	00:37	41	40	45	180	0.65
30/11/2024	00:52	42	40	46	170	0.87
30/11/2024	01:07	52	41	77	181	0.59
30/11/2024	01:22	45	42	68	179	0.68
30/11/2024	01:37	44	43	46	178	0.78
30/11/2024	01:52	43	43	52	176	0.68
30/11/2024	02:07	52	43	79	178	0.84
30/11/2024	02:22	43	43	49	170	1.16
30/11/2024	02:37	44	42	57	174	1.22
30/11/2024	02:52	42	41	46	174	1.19
30/11/2024	03:07	51	42	77	179	0.80
30/11/2024	03:22	44	43	46	185	0.56
30/11/2024	03:37	44	43	50	177	0.79
30/11/2024	03:52	43	42	46	174	0.94
30/11/2024	04:07	43	42	50	175	0.71
30/11/2024	04:22	44	43	47	187	0.61
30/11/2024	04:37	43	42	48	195	0.56
30/11/2024	04:52	44	43	48	185	0.62
30/11/2024	05:07	46	45	50	209	0.48
30/11/2024	05:22	45	44	49	210	0.40
30/11/2024	05:37	45	44	50	206	0.36
30/11/2024	05:52	44	43	49	190	0.48
30/11/2024	06:07	46	44	49	225	0.27
30/11/2024	06:22	47	46	54	187	0.48
30/11/2024	06:37	49	43	72	177	0.66
30/11/2024	06:52	43	42	53	176	0.95
30/11/2024	23:07	44	43	48	178	0.92
30/11/2024	23:22	47	43	70	176	1.05
30/11/2024	23:37	44	43	50	180	1.12
30/11/2024	23:52	44	43	50	181	1.02
01/12/2024	00:07	44	43	48	182	0.91
01/12/2024	00:22	50	43	74	181	0.80
01/12/2024	00:37	46	43	68	183	0.84
01/12/2024	00:52	50	43	79	179	0.82
01/12/2024	01:07	44	43	48	185	0.69
01/12/2024	01:22	44	43	48	180	0.84

01/12/2024	01:37	44	43	50	176	1.02
01/12/2024	01:52	44	43	53	182	1.06
01/12/2024	02:07	44	43	48	176	1.19
01/12/2024	02:22	44	43	49	179	1.15
01/12/2024	02:37	44	43	48	177	1.26
01/12/2024	02:52	46	43	54	176	1.30
01/12/2024	05:52	43	42	49	173	0.71
01/12/2024	06:07	43	42	48	173	0.73
01/12/2024	06:22	45	42	51	184	0.58
01/12/2024	23:07	42	41	45	228	0.67
01/12/2024	23:22	42	41	46	239	0.58
01/12/2024	23:37	43	42	48	233	0.79
01/12/2024	23:52	43	42	51	224	0.71
02/12/2024	00:07	44	43	48	239	0.87
02/12/2024	00:22	45	44	49	233	0.77
02/12/2024	00:37	48	45	68	229	0.49
02/12/2024	00:52	49	46	72	240	0.39
02/12/2024	01:07	46	44	50	273	0.24
02/12/2024	01:22	45	44	49	192	0.47
02/12/2024	01:37	45	44	48	236	0.37
02/12/2024	01:52	43	43	46	203	0.45
02/12/2024	02:07	43	42	47	195	0.55
02/12/2024	02:22	43	42	46	190	0.70
02/12/2024	02:37	43	42	48	180	0.94
02/12/2024	02:52	43	42	46	185	0.74
02/12/2024	03:07	43	42	45	188	0.61
02/12/2024	03:22	42	41	45	185	0.76
02/12/2024	03:37	43	42	46	197	0.61
02/12/2024	05:37	50	45	75	320	1.45
02/12/2024	05:52	49	45	72	326	1.95
02/12/2024	06:07	46	45	53	316	1.52
02/12/2024	06:22	47	45	59	311	1.02
02/12/2024	06:37	48	45	68	311	1.19
02/12/2024	06:52	52	45	76	323	1.50
02/12/2024	23:07	44	44	47	264	0.16
02/12/2024	23:22	45	43	59	259	0.20
02/12/2024	23:37	44	43	50	321	0.24
02/12/2024	23:52	45	44	48	321	0.25
03/12/2024	00:07	45	44	48	338	0.30
03/12/2024	00:22	46	44	67	239	0.18
03/12/2024	00:37	45	45	50	179	0.35
03/12/2024	00:52	46	44	54	319	0.20
03/12/2024	01:07	45	44	48	235	0.17
03/12/2024	01:22	45	44	47	240	0.27
03/12/2024	01:37	46	46	49	241	0.23
03/12/2024	01:52	47	46	51	259	0.15
03/12/2024	02:07	46	45	49	261	0.25
03/12/2024	02:22	45	44	49	230	0.18
03/12/2024	02:37	45	43	54	275	0.25
03/12/2024	02:52	44	43	47	276	0.13
03/12/2024	03:07	45	44	50	283	0.20
03/12/2024	03:22	45	44	47	200	0.19
03/12/2024	03:37	46	45	50	233	0.17
03/12/2024	03:52	46	45	48	263	0.17
03/12/2024	04:07	45	44	48	194	0.18
03/12/2024	04:22	45	43	49	257	0.10

03/12/2024	04:37	46	43	70	216	0.25
03/12/2024	04:52	45	43	68	305	0.13
03/12/2024	05:07	45	45	50	322	0.26
03/12/2024	05:22	46	45	51	247	0.16
03/12/2024	05:37	46	46	53	305	0.24
03/12/2024	05:52	55	46	78	228	0.14
03/12/2024	06:07	47	46	49	264	0.16
03/12/2024	06:22	47	47	56	252	0.13
03/12/2024	06:37	51	47	77	329	0.25
03/12/2024	06:52	52	47	73	312	0.17
03/12/2024	23:07	46	45	50	179	1.16
03/12/2024	23:22	46	45	53	182	0.76
03/12/2024	23:37	46	45	52	204	0.56
04/12/2024	01:07	45	44	52	195	0.64
04/12/2024	01:22	47	46	52	246	0.35
04/12/2024	01:37	46	45	50	212	0.51
04/12/2024	01:52	51	44	76	201	0.31
04/12/2024	02:07	45	44	53	198	0.41
04/12/2024	02:22	44	44	53	189	0.53
04/12/2024	02:37	44	43	49	185	0.46
04/12/2024	02:52	45	44	53	178	0.57
04/12/2024	03:07	47	46	53	184	0.34
04/12/2024	03:22	52	46	79	218	0.23
04/12/2024	03:37	48	46	54	269	0.22
04/12/2024	03:52	47	46	55	302	0.21
04/12/2024	04:07	48	47	55	279	0.25
04/12/2024	04:22	46	45	54	180	0.19
04/12/2024	04:37	47	45	53	211	0.33
04/12/2024	04:52	48	47	58	204	0.33
04/12/2024	05:07	49	47	53	300	0.28
04/12/2024	05:22	52	45	75	277	0.20
04/12/2024	05:37	55	47	81	250	0.31
04/12/2024	05:52	51	48	72	322	0.35
04/12/2024	06:07	51	49	55	220	0.21
04/12/2024	06:22	54	49	80	188	0.38
04/12/2024	06:37	50	49	55	180	0.29
04/12/2024	06:52	55	49	80	199	0.16
04/12/2024	23:07	46	44	51	183	1.27
04/12/2024	23:22	46	44	51	181	1.08
04/12/2024	23:37	46	44	51	181	1.13
04/12/2024	23:52	45	44	50	180	0.93
05/12/2024	00:07	45	43	50	184	0.61
05/12/2024	00:22	44	43	49	178	0.74
05/12/2024	02:07	45	44	50	183	1.04
05/12/2024	02:22	45	44	51	181	1.03
05/12/2024	02:37	45	43	53	181	0.80
05/12/2024	02:52	44	42	56	176	0.85
05/12/2024	03:07	46	44	51	177	0.70
05/12/2024	03:22	45	43	48	188	1.04
05/12/2024	03:37	45	44	49	195	1.03
05/12/2024	03:52	45	44	50	197	0.84
05/12/2024	04:07	45	44	50	191	0.67
05/12/2024	04:22	45	43	51	211	0.66
05/12/2024	06:07	46	45	55	259	0.90
05/12/2024	06:22	51	45	75	244	1.05
05/12/2024	06:37	47	45	52	253	0.98

05/12/2024	06:52	47	46	50	239	1.07
05/12/2024	23:52	53	50	63	327	2.71
06/12/2024	00:07	53	50	65	326	2.99
06/12/2024	00:22	51	49	58	326	2.92
06/12/2024	00:37	51	49	61	326	2.79
06/12/2024	00:52	50	48	58	326	2.41
06/12/2024	01:07	50	48	59	325	2.05
06/12/2024	01:22	51	48	71	326	2.36
06/12/2024	01:37	50	48	56	325	2.21
06/12/2024	01:52	50	48	59	326	2.37
06/12/2024	02:07	49	47	58	322	1.84
06/12/2024	02:22	49	47	59	321	1.82
06/12/2024	02:37	49	47	61	321	2.01
06/12/2024	02:52	49	47	59	326	2.31
06/12/2024	03:07	50	48	58	326	2.22
06/12/2024	03:22	55	47	82	324	1.67
06/12/2024	03:37	48	46	56	328	1.89
06/12/2024	03:52	48	46	58	321	1.58
06/12/2024	04:07	47	45	56	309	0.98
06/12/2024	04:22	47	45	52	316	1.11
06/12/2024	04:37	46	45	56	199	0.63
06/12/2024	04:52	46	44	52	223	0.55
06/12/2024	05:07	46	44	52	282	0.90
06/12/2024	05:22	56	45	82	314	1.15
06/12/2024	05:37	50	45	76	325	2.06
06/12/2024	05:52	47	46	55	325	2.00
06/12/2024	06:07	55	45	80	285	1.07
06/12/2024	06:22	46	45	51	287	0.96
06/12/2024	06:37	47	45	52	321	1.16
06/12/2024	06:52	52	47	78	321	1.18
07/12/2024	00:07	56	52	77	198	2.32
07/12/2024	00:22	56	52	69	203	2.45
07/12/2024	00:37	57	54	66	197	2.86
07/12/2024	00:52	56	53	75	204	2.51
07/12/2024	01:07	56	52	68	200	2.65
07/12/2024	01:22	57	52	77	203	2.89
07/12/2024	01:37	56	52	70	203	2.46
07/12/2024	01:52	54	49	76	200	2.23
07/12/2024	02:07	53	48	78	205	1.87
07/12/2024	02:22	51	46	67	214	1.68
07/12/2024	23:37	58	55	70	337	2.71
07/12/2024	23:52	59	56	69	338	2.81
08/12/2024	00:07	60	56	70	342	2.41
08/12/2024	00:22	60	56	78	338	2.38
08/12/2024	00:37	60	56	81	340	2.34
08/12/2024	00:52	62	57	81	340	2.88
08/12/2024	01:07	58	55	67	337	2.39
08/12/2024	01:22	58	55	69	338	2.34
08/12/2024	01:37	59	55	70	340	2.18
08/12/2024	01:52	60	55	72	339	2.40
08/12/2024	02:07	59	54	72	340	2.53
08/12/2024	02:22	58	55	70	341	2.35
08/12/2024	02:37	57	54	66	340	2.20
08/12/2024	02:52	59	55	76	339	2.30
08/12/2024	03:07	59	55	71	338	2.51
08/12/2024	03:22	58	54	73	337	2.31

08/12/2024	03:37	57	54	67	338	2.41
08/12/2024	03:52	57	53	77	336	2.23
08/12/2024	04:07	56	53	68	336	2.30
08/12/2024	04:22	56	53	70	340	2.18
08/12/2024	04:37	55	52	64	338	2.16
08/12/2024	04:52	55	52	67	340	2.01
08/12/2024	05:07	54	52	65	340	1.73
08/12/2024	05:22	52	51	61	343	1.70
08/12/2024	05:37	54	50	65	345	1.76
08/12/2024	05:52	53	50	68	340	1.73
08/12/2024	06:07	51	49	57	342	1.55
08/12/2024	06:22	50	48	56	342	1.27
08/12/2024	06:37	50	48	56	337	1.21
08/12/2024	06:52	53	48	79	340	1.23
08/12/2024	23:07	51	49	57	342	0.92
08/12/2024	23:22	51	50	58	343	1.26
08/12/2024	23:37	51	49	56	347	1.14
08/12/2024	23:52	51	50	61	342	1.04
09/12/2024	00:07	52	50	70	343	1.15
09/12/2024	00:22	51	50	64	343	1.21
09/12/2024	00:37	51	49	62	338	0.91
09/12/2024	00:52	51	50	55	341	1.13
09/12/2024	01:07	51	50	59	341	1.01
09/12/2024	01:22	51	50	61	345	1.18
09/12/2024	01:37	51	50	59	342	1.22
09/12/2024	01:52	52	50	61	344	1.28
09/12/2024	02:07	51	49	61	343	1.02
09/12/2024	02:22	51	49	57	342	0.96
09/12/2024	02:37	51	49	58	346	1.09
09/12/2024	02:52	51	49	62	341	1.15
09/12/2024	03:07	52	50	65	341	1.18
09/12/2024	03:22	51	50	60	337	1.03
09/12/2024	03:37	61	50	87	344	0.77
09/12/2024	03:52	51	50	59	340	0.60
09/12/2024	04:07	51	50	56	345	0.89
09/12/2024	04:22	51	50	61	342	1.10
09/12/2024	04:37	51	50	59	345	1.06
09/12/2024	04:52	51	50	64	341	1.44
09/12/2024	05:07	52	50	59	343	1.16
09/12/2024	05:22	55	51	78	344	1.01
09/12/2024	05:37	52	51	58	343	0.86
09/12/2024	05:52	52	51	58	344	0.81
09/12/2024	06:07	54	52	76	340	0.65
09/12/2024	06:22	55	52	79	341	0.69
09/12/2024	06:37	53	52	60	343	0.95
09/12/2024	06:52	54	52	70	344	1.15
09/12/2024	23:07	51	50	57	343	0.88
09/12/2024	23:22	51	50	59	345	0.90
09/12/2024	23:37	51	49	61	340	0.97
09/12/2024	23:52	51	50	57	342	0.80
10/12/2024	00:07	52	50	59	334	0.89
10/12/2024	00:22	52	49	74	338	0.80
10/12/2024	00:37	53	50	75	342	0.97
10/12/2024	00:52	51	50	57	343	0.92
10/12/2024	01:07	51	49	56	332	0.74
10/12/2024	01:22	51	49	56	342	0.91

10/12/2024	01:37	50	49	57	341	0.91
10/12/2024	01:52	51	49	58	338	0.66
10/12/2024	02:07	50	49	58	341	1.08
10/12/2024	02:22	50	49	60	339	0.74
10/12/2024	02:37	50	49	58	341	0.83
10/12/2024	02:52	50	49	58	348	1.01
10/12/2024	03:07	51	49	60	344	1.00
10/12/2024	03:22	50	49	56	338	0.97
10/12/2024	03:37	50	49	57	342	0.80
10/12/2024	03:52	51	49	57	342	0.85
10/12/2024	04:07	50	49	54	343	1.06
10/12/2024	04:22	50	49	63	339	0.77
10/12/2024	04:37	50	49	60	341	1.10
10/12/2024	04:52	51	49	58	345	1.07
10/12/2024	05:07	51	50	56	342	0.98
10/12/2024	05:22	51	49	56	341	0.96
10/12/2024	05:37	51	49	59	343	0.90
10/12/2024	05:52	52	50	56	338	0.67
10/12/2024	06:07	53	51	58	342	0.78
10/12/2024	06:22	55	52	80	347	0.92
10/12/2024	06:37	53	52	58	344	0.79
10/12/2024	06:52	53	52	58	341	0.90
10/12/2024	23:07	50	49	60	332	0.50
10/12/2024	23:22	55	49	82	329	0.42
10/12/2024	23:37	50	49	56	315	0.36
10/12/2024	23:52	50	49	53	336	0.42
11/12/2024	00:07	50	49	58	335	0.34
11/12/2024	00:22	50	49	56	325	0.31
11/12/2024	00:37	50	49	57	335	0.43
11/12/2024	00:52	50	49	55	338	0.48
11/12/2024	01:07	50	49	54	342	0.63
11/12/2024	01:22	50	49	56	338	0.61
11/12/2024	01:37	50	49	61	341	0.46
11/12/2024	01:52	49	48	53	328	0.32
11/12/2024	02:07	49	48	55	336	0.39
11/12/2024	02:22	50	49	59	282	0.20
11/12/2024	02:37	50	49	60	229	0.21
11/12/2024	02:52	49	48	55	305	0.27
11/12/2024	03:07	49	48	55	317	0.24
11/12/2024	03:22	49	48	56	293	0.20
11/12/2024	03:37	50	49	61	303	0.26
11/12/2024	03:52	50	49	55	326	0.30
11/12/2024	04:07	50	49	54	334	0.37
11/12/2024	04:22	50	49	63	324	0.29
11/12/2024	04:37	51	49	60	323	0.38
11/12/2024	04:52	51	50	55	341	0.44
11/12/2024	05:07	51	49	70	332	0.32
11/12/2024	05:22	51	49	62	344	0.45
11/12/2024	05:37	51	49	59	316	0.37
11/12/2024	05:52	52	50	56	320	0.30
11/12/2024	06:07	52	51	59	299	0.35
11/12/2024	06:22	52	51	62	252	0.27
11/12/2024	06:37	54	51	75	265	0.24
11/12/2024	06:52	56	52	79	291	0.27
11/12/2024	23:07	47	47	50	248	0.11
11/12/2024	23:22	54	47	82	288	0.14

11/12/2024	23:37	50	49	53	276	0.17
11/12/2024	23:52	51	50	56	328	0.17
12/12/2024	00:07	50	49	57	329	0.19
12/12/2024	00:22	50	49	53	270	0.23
12/12/2024	00:37	50	49	54	316	0.24
12/12/2024	00:52	50	49	53	273	0.24
12/12/2024	01:07	48	47	51	289	0.24
12/12/2024	01:22	48	47	52	286	0.23
12/12/2024	01:37	48	47	52	286	0.19
12/12/2024	01:52	48	47	52	322	0.22
12/12/2024	02:07	49	48	53	251	0.18
12/12/2024	02:22	48	47	52	287	0.19
12/12/2024	02:37	48	47	53	217	0.19
12/12/2024	02:52	49	47	54	248	0.16
12/12/2024	03:07	49	48	52	252	0.19
12/12/2024	03:22	49	48	53	228	0.23
12/12/2024	03:37	49	48	52	271	0.25
12/12/2024	03:52	49	48	52	246	0.21
12/12/2024	04:07	49	48	52	254	0.19
12/12/2024	04:22	49	48	52	247	0.18
12/12/2024	04:37	49	48	53	243	0.23
12/12/2024	04:52	49	48	52	217	0.21
12/12/2024	05:07	49	48	52	220	0.25
12/12/2024	05:22	49	48	52	192	0.21
12/12/2024	05:37	49	48	52	255	0.18
12/12/2024	05:52	56	47	80	197	0.22
12/12/2024	06:07	49	48	52	208	0.20
12/12/2024	06:22	49	49	55	204	0.16
12/12/2024	06:37	52	49	76	240	0.14
12/12/2024	06:52	55	49	79	286	0.12
12/12/2024	23:07	47	46	51	248	0.16
12/12/2024	23:22	47	46	51	289	0.15
12/12/2024	23:37	47	46	51	288	0.19
12/12/2024	23:52	47	46	51	322	0.25

Raw data and central tendencies for location NSR-4: New Hall Farm

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	50	44	67
Mean	49	43	67
Mean - 1 s.d.	44	40	-
Log Average	53	-	-

Table 2: Daytime period (07:00 to 23:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	16:30	50	42	65	254	0.77
25/11/2024	16:45	43	38	66	262	0.69
25/11/2024	17:00	54	40	71	230	0.63
25/11/2024	17:15	43	39	67	211	0.62
25/11/2024	20:00	44	40	67	225	0.49
25/11/2024	20:15	49	37	72	183	0.30
25/11/2024	20:30	41	38	53	184	0.90
25/11/2024	20:45	42	40	54	232	0.69
25/11/2024	21:00	39	37	49	231	0.54
25/11/2024	21:15	42	40	55	199	0.54
25/11/2024	21:30	43	40	65	220	0.44
25/11/2024	21:45	41	37	62	238	0.29
25/11/2024	22:00	46	40	57	206	0.44
25/11/2024	22:15	47	46	63	180	0.70
25/11/2024	22:30	47	44	64	181	0.87
25/11/2024	22:45	43	41	51	185	0.54
26/11/2024	07:00	59	40	79	192	0.52
26/11/2024	07:15	47	44	68	189	0.37
26/11/2024	07:30	49	44	70	223	0.21
26/11/2024	07:45	51	48	71	236	0.25
26/11/2024	08:00	54	49	72	196	0.31
26/11/2024	08:15	52	47	69	201	0.15
26/11/2024	08:30	50	46	71	187	0.23
26/11/2024	08:45	51	38	78	294	0.26
26/11/2024	09:00	48	38	68	174	0.79
26/11/2024	09:15	53	38	78	177	0.71
26/11/2024	09:30	47	41	68	237	0.60
26/11/2024	09:45	48	43	67	202	0.45
26/11/2024	10:00	48	44	67	175	0.55
26/11/2024	10:15	47	44	65	186	0.43
26/11/2024	10:30	50	43	68	202	0.29
26/11/2024	10:45	52	39	73	193	0.28
26/11/2024	11:00	47	37	68	222	0.59
26/11/2024	11:15	53	37	78	226	0.62
26/11/2024	11:30	44	37	67	245	0.58
26/11/2024	11:45	50	37	72	225	0.76
26/11/2024	12:00	53	37	81	230	0.88
26/11/2024	12:15	42	37	64	238	0.76
26/11/2024	12:30	48	39	70	200	0.67
26/11/2024	12:45	47	41	69	192	0.62
26/11/2024	13:00	48	43	72	184	0.73

26/11/2024	13:15	46	42	64	197	0.58
26/11/2024	13:30	46	41	67	305	0.41
26/11/2024	13:45	46	42	69	313	0.38
26/11/2024	14:00	47	44	63	279	0.32
26/11/2024	14:15	51	44	78	296	0.39
26/11/2024	14:30	49	45	65	291	0.29
26/11/2024	14:45	48	44	70	308	0.28
26/11/2024	15:00	46	44	65	315	0.23
26/11/2024	15:15	50	46	67	279	0.25
26/11/2024	15:30	50	45	72	279	0.27
26/11/2024	15:45	50	48	65	246	0.21
26/11/2024	16:00	49	46	69	289	0.18
26/11/2024	16:15	48	45	66	249	0.29
26/11/2024	16:30	50	46	67	242	0.22
26/11/2024	16:45	50	47	67	270	0.17
26/11/2024	17:00	48	46	64	307	0.24
26/11/2024	17:15	48	45	57	253	0.36
26/11/2024	17:30	49	47	65	250	0.23
26/11/2024	17:45	46	44	64	282	0.19
26/11/2024	18:00	49	46	67	211	0.40
26/11/2024	18:15	49	47	62	276	0.21
26/11/2024	18:30	47	45	65	216	0.25
26/11/2024	18:45	49	47	66	310	0.22
26/11/2024	19:00	48	46	64	298	0.27
26/11/2024	19:15	51	47	72	324	0.27
26/11/2024	19:30	48	46	57	217	0.20
26/11/2024	19:45	49	46	58	264	0.19
26/11/2024	20:00	48	45	66	299	0.21
26/11/2024	20:15	49	46	57	304	0.21
26/11/2024	20:30	51	48	70	300	0.23
26/11/2024	20:45	51	47	71	302	0.18
26/11/2024	21:00	49	46	59	271	0.14
26/11/2024	21:15	49	47	63	292	0.32
26/11/2024	21:30	50	47	67	307	0.21
26/11/2024	21:45	48	47	60	279	0.17
26/11/2024	22:00	49	47	63	311	0.27
26/11/2024	22:15	50	47	56	288	0.13
26/11/2024	22:30	46	45	53	306	0.20
26/11/2024	22:45	45	44	55	303	0.21
27/11/2024	08:00	50	41	71	336	0.35
27/11/2024	08:15	49	40	70	340	0.34
27/11/2024	08:30	53	42	69	341	0.41
27/11/2024	08:45	54	43	72	331	0.33
27/11/2024	09:00	52	42	76	339	0.21
27/11/2024	09:15	50	42	73	327	0.24
27/11/2024	09:30	46	38	67	335	0.30
27/11/2024	09:45	50	38	71	347	0.46
27/11/2024	10:00	48	38	70	342	0.59
27/11/2024	10:15	53	35	81	338	0.54
27/11/2024	10:30	50	36	73	330	1.07
27/11/2024	10:45	50	36	78	327	0.92
27/11/2024	11:00	48	35	72	327	0.80
27/11/2024	11:15	52	36	75	330	0.91
27/11/2024	11:30	53	36	83	327	0.77
27/11/2024	11:45	56	35	83	329	0.70
27/11/2024	12:00	54	35	78	327	0.96

27/11/2024	12:15	49	35	74	327	0.97
27/11/2024	12:30	56	34	89	326	1.00
27/11/2024	12:45	51	36	70	327	1.18
27/11/2024	13:00	49	35	75	328	1.39
27/11/2024	13:15	50	36	74	326	0.91
27/11/2024	13:30	45	36	71	327	1.10
27/11/2024	13:45	47	35	71	326	1.35
27/11/2024	14:00	46	34	65	325	1.25
27/11/2024	14:15	50	34	72	326	1.02
27/11/2024	14:30	42	35	60	326	1.07
27/11/2024	14:45	46	35	67	327	0.90
27/11/2024	15:00	48	37	68	330	0.58
27/11/2024	15:15	42	35	64	323	0.50
27/11/2024	15:30	50	36	75	326	0.45
27/11/2024	15:45	48	36	68	317	0.40
27/11/2024	16:00	48	36	67	322	0.34
27/11/2024	16:15	51	37	78	313	0.38
27/11/2024	16:30	60	38	81	314	0.35
27/11/2024	16:45	51	39	72	282	0.23
27/11/2024	17:00	48	40	70	222	0.26
27/11/2024	17:15	47	41	67	218	0.21
27/11/2024	17:30	46	42	64	187	0.25
27/11/2024	17:45	45	40	66	198	0.22
27/11/2024	18:00	52	40	67	189	0.29
27/11/2024	18:15	47	43	61	213	0.18
27/11/2024	18:30	51	43	74	309	0.22
27/11/2024	18:45	43	40	65	320	0.21
27/11/2024	19:00	40	38	60	207	0.17
27/11/2024	19:15	42	35	70	269	0.15
27/11/2024	19:30	43	36	67	232	0.17
27/11/2024	19:45	46	43	62	299	0.23
27/11/2024	20:00	46	42	61	293	0.14
27/11/2024	20:15	46	45	58	284	0.18
27/11/2024	20:30	45	43	54	278	0.26
27/11/2024	20:45	46	44	63	296	0.18
27/11/2024	21:00	44	40	52	216	0.15
27/11/2024	21:15	42	40	55	269	0.20
27/11/2024	21:30	41	39	54	222	0.15
27/11/2024	21:45	41	40	55	187	0.14
27/11/2024	22:00	42	37	65	245	0.18
27/11/2024	22:15	41	38	60	300	0.25
27/11/2024	22:30	43	38	56	303	0.28
27/11/2024	22:45	45	40	55	288	0.20
28/11/2024	07:00	50	48	68	231	0.16
28/11/2024	07:15	50	48	61	292	0.18
28/11/2024	07:30	53	50	67	248	0.13
28/11/2024	07:45	51	46	71	183	0.24
28/11/2024	08:00	52	48	78	230	0.18
28/11/2024	08:15	53	49	68	236	0.13
28/11/2024	08:30	52	47	70	197	0.23
28/11/2024	08:45	53	47	73	213	0.19
28/11/2024	09:00	51	46	76	316	0.23
28/11/2024	09:15	53	47	70	311	0.25
28/11/2024	09:30	49	46	67	264	0.13
28/11/2024	09:45	51	45	71	224	0.15
28/11/2024	10:00	55	46	79	197	0.35

28/11/2024	10:15	52	48	66	185	0.55
28/11/2024	10:30	50	47	65	179	0.44
28/11/2024	10:45	50	48	66	181	0.49
28/11/2024	11:00	50	47	66	177	0.54
28/11/2024	11:15	60	47	80	175	0.74
28/11/2024	11:30	50	47	65	174	0.65
28/11/2024	11:45	51	48	67	177	0.72
28/11/2024	12:00	59	47	79	181	0.62
28/11/2024	12:15	50	46	65	177	0.79
28/11/2024	12:30	54	47	66	183	0.60
28/11/2024	12:45	50	45	72	182	0.60
28/11/2024	13:00	50	46	72	187	0.45
28/11/2024	13:15	48	45	67	183	0.88
28/11/2024	13:30	50	46	70	186	0.65
28/11/2024	13:45	49	46	67	180	0.74
28/11/2024	14:00	50	45	70	182	0.96
28/11/2024	14:15	50	46	73	178	0.81
28/11/2024	14:30	53	46	73	183	0.77
28/11/2024	14:45	50	46	66	179	0.74
28/11/2024	15:00	52	46	76	184	0.79
28/11/2024	15:15	55	47	74	181	0.72
28/11/2024	15:30	49	46	64	186	0.67
28/11/2024	15:45	56	45	76	179	0.69
28/11/2024	16:00	49	45	68	178	0.82
28/11/2024	16:15	52	46	69	180	0.96
28/11/2024	16:30	49	47	65	182	0.57
28/11/2024	16:45	52	46	78	188	0.44
28/11/2024	17:00	49	46	65	182	0.60
28/11/2024	17:15	48	46	65	186	0.83
28/11/2024	17:30	47	45	66	181	0.79
28/11/2024	17:45	50	46	73	180	0.61
28/11/2024	18:00	48	47	65	178	0.84
28/11/2024	18:15	47	46	56	178	0.96
28/11/2024	18:30	48	45	64	180	0.77
28/11/2024	18:45	47	46	63	182	1.00
28/11/2024	19:00	46	45	56	180	0.95
28/11/2024	19:15	47	45	63	178	1.13
28/11/2024	19:30	48	46	66	180	1.10
28/11/2024	19:45	48	46	65	185	0.89
28/11/2024	20:00	47	45	57	186	0.81
28/11/2024	20:15	48	46	68	187	0.92
28/11/2024	20:30	47	46	58	185	0.87
28/11/2024	20:45	47	45	62	184	0.97
28/11/2024	21:00	48	46	65	187	0.70
28/11/2024	21:15	47	45	59	178	0.59
28/11/2024	21:30	48	46	63	177	0.47
28/11/2024	21:45	47	45	59	177	0.48
28/11/2024	22:00	46	45	59	181	0.52
28/11/2024	22:15	47	45	60	183	0.35
28/11/2024	22:30	47	46	63	203	0.34
28/11/2024	22:45	46	44	57	190	0.40
29/11/2024	07:00	45	43	59	182	0.63
29/11/2024	07:15	49	44	66	186	1.11
29/11/2024	07:30	51	45	70	185	1.24
29/11/2024	07:45	51	47	64	189	0.98
29/11/2024	08:00	52	47	73	190	0.92

29/11/2024	08:15	52	47	71	185	0.76
29/11/2024	08:30	50	46	70	187	0.63
29/11/2024	08:45	53	46	79	183	0.59
29/11/2024	09:00	52	46	71	183	0.54
29/11/2024	09:15	51	46	68	185	0.43
29/11/2024	09:30	56	46	77	189	0.49
29/11/2024	09:45	49	46	65	185	0.68
29/11/2024	10:00	48	45	66	182	0.87
29/11/2024	10:15	47	45	65	180	1.16
29/11/2024	10:30	53	45	81	188	0.65
29/11/2024	10:45	47	45	64	178	0.81
29/11/2024	11:00	49	45	68	176	0.80
29/11/2024	11:15	51	45	77	182	0.99
29/11/2024	11:30	53	46	72	177	1.07
29/11/2024	11:45	52	46	76	179	0.96
29/11/2024	12:00	49	46	66	182	0.72
29/11/2024	12:15	48	45	68	184	0.57
29/11/2024	12:30	52	45	75	188	0.58
29/11/2024	12:45	51	44	71	193	0.67
29/11/2024	13:00	50	45	71	187	1.01
29/11/2024	13:15	48	45	69	182	1.29
29/11/2024	13:30	50	45	72	178	1.34
29/11/2024	13:45	48	44	67	187	1.00
29/11/2024	14:00	47	44	65	178	0.92
29/11/2024	14:15	46	44	64	180	1.01
29/11/2024	14:30	47	44	68	188	0.83
29/11/2024	14:45	50	45	67	178	1.26
29/11/2024	15:00	51	45	70	178	1.37
29/11/2024	15:15	52	46	71	184	1.61
29/11/2024	15:30	50	45	68	183	1.61
29/11/2024	15:45	48	45	66	181	1.32
29/11/2024	16:00	51	45	75	177	1.49
29/11/2024	16:15	47	45	58	175	1.51
29/11/2024	16:30	47	45	65	183	1.20
29/11/2024	20:30	44	42	60	171	0.93
29/11/2024	20:45	44	43	59	177	1.14
29/11/2024	21:00	46	43	67	175	1.21
29/11/2024	21:15	46	44	58	198	0.69
29/11/2024	21:30	44	42	57	184	0.51
29/11/2024	21:45	44	43	57	177	0.99
29/11/2024	22:00	47	44	67	179	1.10
29/11/2024	22:15	46	45	62	188	0.54
29/11/2024	22:30	46	43	58	182	0.76
29/11/2024	22:45	45	43	59	186	0.88
30/11/2024	07:00	45	40	65	182	0.72
30/11/2024	07:15	48	41	72	253	0.36
30/11/2024	07:30	52	42	76	237	0.28
30/11/2024	07:45	53	46	75	215	0.43
30/11/2024	08:00	50	46	68	241	0.31
30/11/2024	08:15	49	47	67	294	0.26
30/11/2024	08:30	51	44	77	317	0.23
30/11/2024	08:45	50	44	71	228	0.27
30/11/2024	09:00	50	42	70	175	0.84
30/11/2024	09:15	53	41	78	175	1.01
30/11/2024	09:30	50	43	68	173	0.93
30/11/2024	09:45	54	43	74	175	0.86

30/11/2024	10:00	46	43	63	188	0.75
30/11/2024	10:15	48	44	67	194	0.72
30/11/2024	10:30	47	43	63	192	0.71
30/11/2024	10:45	47	43	63	186	0.92
30/11/2024	11:00	48	43	63	178	1.17
30/11/2024	11:15	77	42	94	179	1.09
30/11/2024	11:30	61	43	77	185	1.20
30/11/2024	11:45	45	42	61	189	1.24
30/11/2024	12:00	48	41	64	190	1.18
30/11/2024	12:15	45	41	63	188	0.86
30/11/2024	12:30	49	42	73	180	1.00
30/11/2024	12:45	47	42	71	181	1.29
30/11/2024	13:00	47	42	70	183	1.34
30/11/2024	13:15	48	42	68	181	1.14
30/11/2024	13:30	51	43	73	182	1.28
30/11/2024	13:45	49	43	71	182	1.03
30/11/2024	14:00	48	43	63	186	1.61
30/11/2024	14:15	48	43	67	182	1.31
30/11/2024	14:30	47	43	62	181	1.22
30/11/2024	14:45	48	44	67	182	1.28
30/11/2024	15:00	53	44	69	182	1.60
30/11/2024	15:15	64	44	90	184	1.19
30/11/2024	15:30	48	44	63	178	1.09
30/11/2024	15:45	50	44	62	177	1.05
30/11/2024	16:00	50	44	67	176	0.96
30/11/2024	16:15	52	45	73	179	1.04
30/11/2024	16:30	49	44	69	184	1.24
30/11/2024	16:45	46	44	61	182	1.03
30/11/2024	17:00	51	44	63	182	1.20
30/11/2024	17:15	45	43	60	180	1.07
30/11/2024	17:30	48	43	67	178	0.79
30/11/2024	17:45	48	43	69	202	0.51
30/11/2024	18:00	53	44	83	187	0.47
30/11/2024	18:15	45	43	68	184	0.49
30/11/2024	18:30	47	43	72	178	0.56
30/11/2024	18:45	45	43	58	184	1.23
30/11/2024	19:00	45	43	61	185	1.22
30/11/2024	19:15	45	43	60	186	0.91
30/11/2024	19:30	46	43	63	188	0.94
30/11/2024	19:45	45	44	59	185	0.66
30/11/2024	20:00	44	43	59	190	0.57
30/11/2024	20:15	44	43	56	201	0.33
30/11/2024	20:30	44	43	56	187	0.42
30/11/2024	20:45	45	43	61	181	0.80
30/11/2024	21:00	46	44	67	184	1.00
30/11/2024	21:15	46	44	59	177	1.20
30/11/2024	21:30	46	44	55	181	0.97
30/11/2024	21:45	45	44	55	179	0.64
30/11/2024	22:00	45	43	64	177	0.57
30/11/2024	22:15	45	43	58	179	0.78
30/11/2024	22:30	45	43	54	180	0.53
30/11/2024	22:45	45	43	62	177	0.71
01/12/2024	09:15	52	43	75	194	0.44
01/12/2024	09:30	52	48	75	213	0.41
01/12/2024	09:45	53	51	63	181	0.63
01/12/2024	10:00	52	51	65	184	0.52

01/12/2024	10:15	51	46	68	177	0.75
01/12/2024	10:30	49	45	64	181	0.85
01/12/2024	10:45	49	44	66	184	0.93
01/12/2024	11:00	50	44	68	183	0.91
01/12/2024	11:15	49	43	70	180	0.94
01/12/2024	11:30	48	42	67	182	0.95
01/12/2024	11:45	45	41	62	193	0.72
01/12/2024	12:00	48	40	68	212	0.76
01/12/2024	12:15	49	40	75	218	0.89
01/12/2024	12:30	45	40	63	225	0.77
01/12/2024	12:45	44	41	65	214	0.91
01/12/2024	13:00	50	42	76	201	0.69
01/12/2024	13:15	48	42	67	208	0.63
01/12/2024	13:30	45	41	64	186	1.20
01/12/2024	13:45	53	41	82	188	1.27
01/12/2024	14:00	49	42	70	183	1.14
01/12/2024	14:15	48	42	70	186	1.16
01/12/2024	14:30	45	41	65	180	1.06
01/12/2024	17:45	43	39	66	224	0.93
01/12/2024	18:00	45	39	65	218	0.75
01/12/2024	19:30	41	39	54	215	0.59
01/12/2024	19:45	42	38	65	215	0.71
01/12/2024	20:00	42	38	64	195	0.60
01/12/2024	20:15	44	38	65	189	0.58
01/12/2024	20:30	42	40	54	207	0.37
01/12/2024	20:45	42	40	53	184	0.43
01/12/2024	21:00	46	43	60	184	0.57
01/12/2024	22:30	37	36	48	223	0.26
01/12/2024	22:45	39	36	48	315	0.44
02/12/2024	07:00	44	38	63	322	1.66
02/12/2024	07:15	47	38	71	313	1.82
02/12/2024	07:30	51	41	68	325	1.68
02/12/2024	07:45	50	41	70	328	1.50
02/12/2024	08:00	47	41	69	322	1.17
02/12/2024	08:15	48	41	68	322	1.45
02/12/2024	08:30	51	40	71	332	1.29
02/12/2024	08:45	51	38	71	329	1.46
02/12/2024	09:00	53	39	77	330	0.67
02/12/2024	09:15	49	46	63	324	1.04
02/12/2024	09:30	51	45	71	311	0.94
02/12/2024	09:45	45	42	64	315	1.22
02/12/2024	10:00	47	37	70	311	1.62
02/12/2024	10:15	46	39	68	318	1.50
02/12/2024	10:30	50	37	72	305	1.29
02/12/2024	10:45	44	37	61	279	1.44
02/12/2024	11:00	49	42	67	273	1.75
02/12/2024	11:15	53	44	73	292	1.66
02/12/2024	11:30	50	44	67	259	1.80
02/12/2024	11:45	51	45	74	291	1.78
02/12/2024	12:00	52	47	70	307	1.34
02/12/2024	12:15	51	48	64	298	1.04
02/12/2024	12:30	53	47	78	291	1.07
02/12/2024	12:45	46	39	63	331	1.02
02/12/2024	13:00	46	37	68	330	1.15
02/12/2024	13:15	50	36	76	327	1.10
02/12/2024	13:30	51	36	77	323	1.31

02/12/2024	13:45	53	42	71	331	1.76
02/12/2024	14:00	55	47	74	346	1.53
02/12/2024	16:30	48	35	72	328	0.83
02/12/2024	16:45	43	36	65	325	0.65
02/12/2024	17:00	41	38	56	332	0.66
02/12/2024	17:15	45	37	69	330	0.61
02/12/2024	17:30	47	38	70	327	0.78
02/12/2024	17:45	46	37	68	328	0.63
02/12/2024	18:00	46	37	70	336	0.58
02/12/2024	18:15	40	38	50	338	0.55
02/12/2024	18:30	43	38	66	332	0.41
02/12/2024	18:45	43	40	57	333	0.47
02/12/2024	19:00	52	41	80	326	0.51
02/12/2024	19:15	49	38	71	340	0.91
02/12/2024	19:30	37	35	45	329	0.61
02/12/2024	19:45	38	35	46	324	0.48
02/12/2024	20:00	41	37	62	327	0.32
02/12/2024	20:15	39	37	48	299	0.25
02/12/2024	20:30	43	38	65	340	0.31
02/12/2024	20:45	44	40	63	325	0.37
02/12/2024	21:00	40	36	61	265	0.15
02/12/2024	21:15	42	37	67	278	0.24
02/12/2024	21:30	37	35	45	290	0.17
02/12/2024	21:45	38	35	50	197	0.22
02/12/2024	22:00	38	36	49	302	0.19
02/12/2024	22:15	39	37	49	331	0.30
02/12/2024	22:30	38	34	50	316	0.30
02/12/2024	22:45	39	32	65	230	0.16
03/12/2024	07:00	47	45	60	242	0.21
03/12/2024	07:15	52	47	62	217	0.28
03/12/2024	07:30	54	46	67	315	0.33
03/12/2024	07:45	49	46	65	236	0.15
03/12/2024	08:00	48	45	70	247	0.25
03/12/2024	08:15	50	45	68	224	0.16
03/12/2024	08:30	48	44	69	185	0.40
03/12/2024	08:45	51	43	71	199	0.40
03/12/2024	09:00	50	43	66	188	0.59
03/12/2024	09:15	51	45	69	193	0.39
03/12/2024	09:30	53	46	77	309	0.30
03/12/2024	09:45	54	45	76	257	0.34
03/12/2024	10:00	47	44	65	198	0.55
03/12/2024	10:15	51	44	70	189	0.46
03/12/2024	10:30	52	45	69	189	0.52
03/12/2024	10:45	48	45	66	192	0.40
03/12/2024	11:00	52	45	74	198	0.38
03/12/2024	11:15	47	45	62	228	0.35
03/12/2024	11:30	47	43	61	271	0.24
03/12/2024	11:45	50	43	72	324	0.21
03/12/2024	12:00	46	43	63	333	0.32
03/12/2024	12:15	50	42	68	264	0.47
03/12/2024	12:30	45	40	64	204	0.50
03/12/2024	12:45	47	42	65	185	0.71
03/12/2024	13:00	47	40	64	227	0.48
03/12/2024	13:15	45	40	65	216	0.41
03/12/2024	13:30	47	39	69	199	0.65
03/12/2024	13:45	50	41	77	191	0.86

03/12/2024	14:00	48	43	73	184	0.99
03/12/2024	14:15	47	43	66	180	0.98
03/12/2024	14:30	52	43	73	181	0.99
03/12/2024	14:45	50	41	71	185	0.87
03/12/2024	15:00	47	38	66	224	0.55
03/12/2024	15:15	48	38	67	226	0.49
03/12/2024	15:30	48	37	68	201	0.71
03/12/2024	15:45	49	35	75	199	0.55
03/12/2024	16:00	41	35	65	227	0.36
03/12/2024	16:15	47	37	76	223	0.42
03/12/2024	16:30	50	37	78	219	0.50
03/12/2024	16:45	46	36	71	231	0.46
03/12/2024	17:00	42	37	62	232	0.53
03/12/2024	17:15	41	39	56	234	0.43
03/12/2024	17:30	40	38	48	220	0.57
03/12/2024	17:45	43	37	66	207	0.51
03/12/2024	18:00	41	38	54	197	0.56
03/12/2024	18:15	44	38	64	194	0.60
03/12/2024	18:30	41	39	48	210	0.69
03/12/2024	18:45	44	40	64	222	0.69
03/12/2024	19:00	46	43	65	205	0.54
03/12/2024	19:15	44	42	56	183	0.63
03/12/2024	19:30	46	43	62	188	0.61
03/12/2024	19:45	47	36	71	182	0.51
03/12/2024	20:00	41	35	65	215	0.31
03/12/2024	20:15	37	34	51	265	0.25
03/12/2024	20:30	40	37	54	182	0.50
03/12/2024	20:45	43	40	57	179	0.54
03/12/2024	21:00	37	36	48	179	0.56
03/12/2024	21:15	38	35	50	180	0.73
03/12/2024	21:30	40	39	53	194	0.46
03/12/2024	21:45	43	40	51	184	0.80
03/12/2024	22:00	44	42	61	175	0.98
03/12/2024	22:15	45	43	65	173	0.92
03/12/2024	22:30	44	43	57	172	0.99
03/12/2024	22:45	45	44	62	173	0.98
04/12/2024	07:00	52	48	69	271	0.25
04/12/2024	07:15	50	45	64	233	0.21
04/12/2024	07:30	48	45	68	193	0.28
04/12/2024	07:45	51	45	69	182	0.45
04/12/2024	08:00	50	43	72	321	0.24
04/12/2024	08:15	43	40	60	307	0.20
04/12/2024	08:30	49	40	75	277	0.32
04/12/2024	08:45	50	37	78	208	0.24
04/12/2024	09:00	49	41	69	246	0.25
04/12/2024	09:15	49	43	67	193	0.59
04/12/2024	09:30	51	47	70	250	0.40
04/12/2024	09:45	49	46	64	233	0.25
04/12/2024	10:00	48	44	67	194	0.47
04/12/2024	10:15	50	46	66	186	0.58
04/12/2024	10:30	51	48	69	189	0.41
04/12/2024	10:45	50	46	70	193	0.36
04/12/2024	11:00	54	48	81	182	0.54
04/12/2024	11:15	54	45	72	182	0.53
04/12/2024	11:30	50	47	68	178	0.80
04/12/2024	11:45	50	47	62	176	0.62

04/12/2024	12:00	52	47	67	180	0.89
04/12/2024	12:15	53	48	68	179	0.89
04/12/2024	12:30	52	47	75	176	0.99
04/12/2024	12:45	61	46	84	178	0.89
04/12/2024	13:00	62	47	82	176	0.65
04/12/2024	13:15	51	47	70	187	0.48
04/12/2024	13:30	49	45	69	184	0.46
04/12/2024	13:45	48	45	64	182	0.44
04/12/2024	14:00	48	45	68	180	0.81
04/12/2024	14:15	50	46	72	178	1.00
04/12/2024	14:30	54	46	77	186	0.71
04/12/2024	14:45	51	46	73	223	0.46
04/12/2024	15:00	50	46	70	207	0.58
04/12/2024	15:15	48	46	63	182	1.00
04/12/2024	19:30	51	46	70	182	1.66
04/12/2024	19:45	46	44	63	181	1.62
04/12/2024	20:00	51	44	72	183	1.17
04/12/2024	20:15	46	44	66	187	1.23
04/12/2024	20:30	46	44	64	179	0.88
04/12/2024	20:45	47	45	58	183	0.67
04/12/2024	21:00	46	44	64	181	0.77
04/12/2024	21:15	46	44	62	186	0.73
04/12/2024	21:30	46	44	66	180	0.81
04/12/2024	21:45	45	44	55	194	0.64
04/12/2024	22:00	46	43	56	182	1.27
04/12/2024	22:15	47	44	58	189	1.43
04/12/2024	22:30	47	44	64	187	1.48
04/12/2024	22:45	47	44	66	186	1.47
05/12/2024	07:00	46	38	66	223	0.85
05/12/2024	07:15	49	39	68	222	1.24
05/12/2024	07:30	46	37	70	266	1.34
05/12/2024	07:45	46	38	67	259	1.33
05/12/2024	08:00	49	37	70	273	0.88
05/12/2024	08:15	49	36	70	252	0.87
05/12/2024	08:30	50	38	70	243	0.99
05/12/2024	08:45	48	38	69	232	0.79
05/12/2024	09:00	50	37	74	251	0.64
05/12/2024	09:15	48	38	67	258	0.90
05/12/2024	09:30	49	38	68	255	0.94
05/12/2024	09:45	49	38	71	243	0.71
05/12/2024	10:00	45	39	69	312	0.51
05/12/2024	10:15	47	40	67	244	0.56
05/12/2024	10:30	45	38	66	255	0.69
05/12/2024	10:45	48	38	68	224	0.91
05/12/2024	11:00	46	39	66	229	1.03
05/12/2024	11:15	49	40	73	214	0.82
05/12/2024	11:30	51	42	74	184	0.96
05/12/2024	11:45	47	42	63	180	1.18
05/12/2024	12:00	48	42	70	185	1.04
05/12/2024	19:45	50	39	72	318	2.25
05/12/2024	20:00	47	41	67	303	1.87
05/12/2024	20:15	47	41	70	319	1.95
05/12/2024	20:30	52	45	70	317	2.08
05/12/2024	20:45	53	44	79	319	2.17
05/12/2024	21:00	53	45	71	323	2.90
05/12/2024	21:15	52	43	77	323	2.55

05/12/2024	21:30	51	45	67	320	2.67
06/12/2024	07:00	44	37	68	245	0.66
06/12/2024	07:15	42	37	65	253	0.76
06/12/2024	07:30	39	35	56	321	0.99
06/12/2024	07:45	46	36	66	299	1.21
06/12/2024	08:00	52	37	72	271	0.51
06/12/2024	08:15	51	37	80	245	0.74
06/12/2024	08:30	46	37	66	251	0.60
06/12/2024	08:45	48	37	68	293	0.83
06/12/2024	09:00	50	37	70	228	0.81
06/12/2024	09:15	52	36	74	227	1.00
06/12/2024	09:30	52	36	74	224	0.91
06/12/2024	09:45	52	39	70	217	0.59
06/12/2024	10:00	58	39	84	235	0.56
06/12/2024	10:15	51	37	77	239	0.64
06/12/2024	10:30	52	36	76	210	0.58
06/12/2024	10:45	45	41	62	199	0.50
06/12/2024	11:00	56	39	79	244	0.53
06/12/2024	11:15	49	38	70	206	0.47
06/12/2024	11:30	50	38	74	208	0.51
06/12/2024	11:45	50	44	67	182	0.83
06/12/2024	12:00	48	45	67	177	1.06
06/12/2024	12:15	53	43	77	175	0.94
06/12/2024	12:30	48	43	73	177	0.99
06/12/2024	12:45	54	43	77	182	0.94
06/12/2024	13:00	50	44	70	188	0.64
06/12/2024	13:15	56	45	78	200	0.59
06/12/2024	13:30	48	44	67	198	0.56
06/12/2024	13:45	49	44	68	184	1.03
06/12/2024	15:45	52	46	76	183	1.07
06/12/2024	16:00	51	46	75	180	1.31
06/12/2024	16:15	50	47	68	176	1.46
06/12/2024	16:30	49	46	66	180	1.74
06/12/2024	16:45	52	47	70	179	2.09
06/12/2024	17:00	53	48	69	180	1.79
06/12/2024	17:15	49	46	63	176	1.48
08/12/2024	07:00	48	44	65	342	1.60
08/12/2024	07:15	51	45	68	345	1.49
08/12/2024	07:30	52	45	69	343	1.62
08/12/2024	07:45	56	47	76	343	1.62
08/12/2024	08:00	55	47	81	343	1.94
08/12/2024	08:15	56	47	76	346	1.61
08/12/2024	08:30	54	46	72	341	1.47
08/12/2024	08:45	55	48	71	338	1.61
08/12/2024	09:00	57	50	77	343	1.61
08/12/2024	09:15	58	49	78	343	1.54
08/12/2024	09:30	59	50	78	342	1.78
08/12/2024	09:45	60	50	76	345	1.81
08/12/2024	10:00	59	50	80	342	1.92
08/12/2024	10:15	56	48	71	341	1.94
08/12/2024	10:30	61	51	82	345	1.92
08/12/2024	10:45	62	51	82	344	1.83
08/12/2024	11:00	63	51	82	339	1.86
08/12/2024	11:15	59	50	78	338	1.95
08/12/2024	11:30	57	47	75	340	1.77
08/12/2024	11:45	60	50	79	336	2.24

08/12/2024	12:00	62	49	83	337	2.10
08/12/2024	12:15	58	49	77	338	1.79
08/12/2024	12:30	60	47	78	340	1.67
08/12/2024	12:45	60	50	83	339	1.87
08/12/2024	13:00	60	50	84	336	1.99
08/12/2024	13:15	58	48	74	339	1.53
08/12/2024	13:30	53	44	72	341	1.52
08/12/2024	13:45	57	46	75	341	1.80
08/12/2024	14:00	57	46	78	338	1.86
08/12/2024	14:15	60	48	81	336	2.08
08/12/2024	14:30	59	48	84	338	1.92
08/12/2024	14:45	57	50	74	332	2.20
08/12/2024	15:00	58	49	75	338	1.88
08/12/2024	15:15	58	50	76	342	1.73
08/12/2024	15:30	60	51	83	336	1.87
08/12/2024	15:45	60	51	79	335	2.02
08/12/2024	16:00	59	51	79	336	1.85
08/12/2024	16:15	59	50	77	336	1.81
08/12/2024	16:30	56	49	75	341	1.77
08/12/2024	16:45	56	49	73	343	1.72
08/12/2024	17:00	58	49	77	343	1.77
08/12/2024	18:30	52	46	69	344	1.44
08/12/2024	18:45	51	47	72	343	1.67
08/12/2024	19:00	53	47	69	344	1.62
08/12/2024	19:15	53	46	72	345	1.40
08/12/2024	19:30	50	45	73	343	1.33
08/12/2024	19:45	52	45	71	344	1.50
08/12/2024	20:00	52	45	69	345	1.31
08/12/2024	20:15	49	44	64	339	1.50
08/12/2024	20:30	49	44	69	343	1.65
08/12/2024	20:45	48	43	71	346	1.56
08/12/2024	21:00	47	42	66	344	1.46
08/12/2024	21:15	50	44	70	346	1.50
08/12/2024	21:30	46	43	65	342	1.55
08/12/2024	21:45	46	43	59	343	1.31
08/12/2024	22:00	45	42	59	341	1.25
08/12/2024	22:15	44	41	56	341	1.02
08/12/2024	22:30	43	41	52	346	1.06
08/12/2024	22:45	42	40	51	343	0.83
09/12/2024	07:00	46	43	66	343	0.91
09/12/2024	09:15	50	44	71	344	1.01
09/12/2024	09:30	47	43	69	343	0.94
09/12/2024	09:45	49	43	73	341	0.97
09/12/2024	10:00	51	43	71	342	0.76
09/12/2024	10:15	48	42	70	345	0.95
09/12/2024	10:30	51	42	76	344	1.07
09/12/2024	10:45	49	43	69	343	1.32
09/12/2024	11:00	50	43	66	344	1.26
09/12/2024	11:15	57	45	66	346	1.48
09/12/2024	11:30	52	43	72	347	1.31
09/12/2024	11:45	52	44	72	342	1.14
09/12/2024	12:00	54	44	78	344	1.17
09/12/2024	12:15	53	45	72	342	1.25
09/12/2024	12:30	51	45	68	345	1.49
09/12/2024	12:45	53	45	69	344	1.48
09/12/2024	13:00	51	48	68	341	1.39

09/12/2024	13:15	55	46	79	343	1.36
09/12/2024	13:30	49	45	68	340	1.24
09/12/2024	13:45	49	45	72	342	1.19
09/12/2024	14:00	53	45	75	340	1.27
09/12/2024	14:15	53	46	82	339	1.17
09/12/2024	14:30	49	45	71	343	1.19
09/12/2024	14:45	52	46	73	338	1.16
09/12/2024	15:00	54	47	67	341	1.24
09/12/2024	15:15	48	46	65	345	1.08
09/12/2024	15:30	53	46	76	337	0.94
09/12/2024	15:45	50	45	67	337	0.95
09/12/2024	16:00	50	45	71	346	1.08
09/12/2024	16:15	48	45	66	341	1.06
09/12/2024	16:30	50	44	71	339	0.95
09/12/2024	16:45	53	44	78	343	0.92
09/12/2024	17:00	47	44	65	345	1.06
09/12/2024	17:15	46	44	61	344	1.07
09/12/2024	17:30	48	44	67	342	0.96
09/12/2024	17:45	46	44	53	343	1.07
09/12/2024	18:00	49	44	73	345	1.13
09/12/2024	18:15	47	44	67	342	1.16
09/12/2024	18:30	56	44	82	343	1.10
09/12/2024	18:45	46	44	66	346	1.17
09/12/2024	19:00	52	44	78	341	0.99
09/12/2024	19:15	50	44	71	342	0.90
09/12/2024	19:30	45	44	60	342	1.01
09/12/2024	19:45	46	44	65	342	0.93
09/12/2024	20:00	45	43	57	341	1.00
09/12/2024	20:15	45	43	55	344	0.88
09/12/2024	20:30	45	43	55	344	1.20
09/12/2024	20:45	46	43	66	343	0.96
09/12/2024	21:00	45	44	57	341	1.08
09/12/2024	21:15	45	43	56	342	0.96
09/12/2024	21:30	44	42	52	336	0.62
09/12/2024	21:45	44	42	55	340	0.70
09/12/2024	22:00	45	41	64	337	0.69
09/12/2024	22:15	44	42	63	342	0.66
09/12/2024	22:30	43	41	53	341	0.69
09/12/2024	22:45	44	42	54	343	0.92
10/12/2024	07:00	46	43	65	342	0.77
10/12/2024	07:15	45	43	62	342	0.85
10/12/2024	07:30	49	44	66	340	0.76
10/12/2024	07:45	47	43	68	340	0.68
10/12/2024	08:00	51	44	73	342	0.75
10/12/2024	08:15	52	45	69	340	0.83
10/12/2024	08:30	52	44	77	340	0.72
10/12/2024	08:45	51	44	69	337	0.72
10/12/2024	09:00	52	44	76	345	0.61
10/12/2024	09:15	55	44	75	340	0.68
10/12/2024	09:30	53	44	75	343	0.83
10/12/2024	09:45	49	44	66	339	0.61
10/12/2024	10:00	48	44	69	339	0.67
10/12/2024	10:15	48	44	67	340	0.82
10/12/2024	10:30	51	45	71	338	0.86
10/12/2024	10:45	53	45	76	342	0.95
10/12/2024	11:00	49	45	64	338	0.89

10/12/2024	11:15	49	45	66	341	0.80
10/12/2024	11:30	57	45	84	341	0.70
10/12/2024	11:45	50	45	67	338	0.66
10/12/2024	12:00	50	46	67	338	0.77
10/12/2024	12:15	52	46	77	338	0.82
10/12/2024	12:30	51	45	76	334	0.60
10/12/2024	12:45	48	45	71	329	0.61
10/12/2024	13:00	52	45	72	330	0.70
10/12/2024	13:15	51	47	72	326	0.55
10/12/2024	13:30	47	45	59	320	0.62
10/12/2024	13:45	47	45	60	338	0.55
10/12/2024	14:00	49	45	72	333	0.63
10/12/2024	14:15	49	45	73	336	0.55
10/12/2024	14:30	50	45	73	327	0.55
10/12/2024	14:45	48	45	64	334	0.56
10/12/2024	15:00	50	45	72	320	0.39
10/12/2024	15:15	51	45	79	327	0.38
10/12/2024	15:30	59	45	77	326	0.35
10/12/2024	15:45	48	45	63	347	0.48
10/12/2024	16:00	50	46	66	343	0.57
10/12/2024	16:15	55	47	75	332	0.34
10/12/2024	16:30	53	45	71	344	0.58
10/12/2024	16:45	49	44	70	339	0.41
10/12/2024	17:00	47	45	67	341	0.39
10/12/2024	17:15	46	43	64	341	0.63
10/12/2024	17:30	46	44	66	339	0.59
10/12/2024	17:45	47	44	66	340	0.76
10/12/2024	18:00	46	44	52	341	0.62
10/12/2024	18:15	47	44	68	341	0.62
10/12/2024	18:30	51	44	69	341	0.42
10/12/2024	18:45	45	43	66	338	0.65
10/12/2024	19:00	46	43	64	341	0.82
10/12/2024	19:15	48	43	73	341	0.64
10/12/2024	19:30	47	44	66	335	0.47
10/12/2024	19:45	49	44	72	343	0.73
10/12/2024	20:00	46	44	62	331	0.44
10/12/2024	20:15	45	43	54	319	0.38
10/12/2024	20:30	47	43	61	327	0.39
10/12/2024	20:45	45	42	54	343	0.48
10/12/2024	21:00	44	42	61	333	0.41
10/12/2024	21:15	43	41	50	340	0.53
10/12/2024	21:30	44	42	64	338	0.53
10/12/2024	21:45	44	42	55	338	0.53
10/12/2024	22:00	44	42	64	249	0.27
10/12/2024	22:15	44	42	57	324	0.33
10/12/2024	22:30	45	43	55	335	0.42
10/12/2024	22:45	46	43	68	334	0.37
11/12/2024	07:00	48	45	59	306	0.37
11/12/2024	07:15	48	45	71	290	0.28
11/12/2024	07:30	55	45	86	315	0.39
11/12/2024	07:45	50	44	71	305	0.31
11/12/2024	08:00	49	45	67	294	0.24
11/12/2024	08:15	51	46	71	331	0.29
11/12/2024	08:30	54	46	78	330	0.25
11/12/2024	08:45	50	47	70	284	0.25
11/12/2024	09:00	50	46	70	299	0.32

11/12/2024	09:15	50	45	70	315	0.31
11/12/2024	09:30	52	48	73	286	0.25
11/12/2024	09:45	52	46	71	241	0.22
11/12/2024	10:00	48	44	68	284	0.23
11/12/2024	10:15	49	45	65	307	0.27
11/12/2024	10:30	48	45	63	306	0.31
11/12/2024	10:45	53	45	74	316	0.33
11/12/2024	11:00	50	44	69	296	0.24
11/12/2024	11:15	50	44	69	328	0.36
11/12/2024	11:30	46	43	60	320	0.30
11/12/2024	11:45	52	44	73	325	0.34
11/12/2024	12:00	48	45	66	312	0.36
11/12/2024	12:15	48	44	72	304	0.35
11/12/2024	12:30	46	43	64	305	0.37
11/12/2024	12:45	49	44	74	312	0.39
11/12/2024	13:00	51	44	75	279	0.41
11/12/2024	13:15	48	44	66	263	0.32
11/12/2024	13:30	47	44	66	288	0.28
11/12/2024	13:45	49	43	68	302	0.37
11/12/2024	14:00	55	44	76	266	0.26
11/12/2024	14:15	48	44	68	297	0.28
11/12/2024	14:30	50	44	72	290	0.31
11/12/2024	14:45	51	45	71	268	0.28
11/12/2024	15:00	50	44	72	301	0.35
11/12/2024	15:15	50	45	66	243	0.23
11/12/2024	15:30	49	45	67	308	0.28
11/12/2024	15:45	48	44	64	250	0.27
11/12/2024	16:00	56	45	78	280	0.28
11/12/2024	16:15	48	44	64	233	0.17
11/12/2024	16:30	53	44	75	274	0.16
11/12/2024	16:45	47	44	68	246	0.22
11/12/2024	17:00	47	45	69	249	0.21
11/12/2024	17:15	47	45	65	279	0.24
11/12/2024	17:30	47	44	66	248	0.27
11/12/2024	17:45	46	44	59	263	0.29
11/12/2024	18:00	50	44	67	245	0.29
11/12/2024	18:15	47	45	66	282	0.25
11/12/2024	18:30	47	44	65	261	0.33
11/12/2024	18:45	46	44	64	251	0.36
11/12/2024	19:00	46	44	53	245	0.29
11/12/2024	19:15	46	44	54	271	0.31
11/12/2024	19:30	45	43	64	247	0.26
11/12/2024	19:45	45	43	51	255	0.37
11/12/2024	20:00	45	43	61	256	0.22
11/12/2024	20:15	45	43	49	262	0.27
11/12/2024	20:30	45	43	59	225	0.37
11/12/2024	20:45	45	43	65	228	0.25
11/12/2024	21:00	44	43	49	265	0.27
11/12/2024	21:15	44	43	51	261	0.35
11/12/2024	21:30	44	43	52	274	0.30
11/12/2024	21:45	45	42	64	211	0.31
11/12/2024	22:00	45	43	56	193	0.35
11/12/2024	22:15	45	43	50	209	0.25
11/12/2024	22:30	44	43	50	245	0.17
11/12/2024	22:45	46	44	68	241	0.13
12/12/2024	07:00	46	45	52	320	0.27

12/12/2024	07:15	46	42	65	315	0.19
12/12/2024	07:30	46	42	64	280	0.14
12/12/2024	07:45	46	43	65	296	0.13
12/12/2024	08:00	50	43	72	334	0.27
12/12/2024	08:15	53	45	79	330	0.19
12/12/2024	08:30	49	44	70	327	0.22
12/12/2024	08:45	50	46	66	288	0.16
12/12/2024	09:00	52	43	72	324	0.22
12/12/2024	09:15	50	43	70	320	0.19
12/12/2024	09:30	50	44	73	335	0.35
12/12/2024	09:45	47	43	66	330	0.26
12/12/2024	10:00	46	41	63	316	0.26
12/12/2024	10:15	48	42	66	311	0.22
12/12/2024	10:30	51	42	72	328	0.28
12/12/2024	10:45	49	43	69	321	0.31
12/12/2024	11:00	46	42	64	324	0.37
12/12/2024	11:15	46	41	67	323	0.39
12/12/2024	11:30	50	42	75	326	0.40
12/12/2024	11:45	49	42	69	334	0.36
12/12/2024	12:00	48	42	71	335	0.37
12/12/2024	12:15	46	41	66	322	0.42
12/12/2024	12:30	49	41	70	322	0.38
12/12/2024	12:45	47	42	66	329	0.38
12/12/2024	13:00	54	43	78	342	0.35
12/12/2024	13:15	46	43	66	341	0.43
12/12/2024	13:30	46	42	65	332	0.25
12/12/2024	13:45	50	43	73	322	0.39
12/12/2024	14:00	50	44	68	305	0.26
12/12/2024	14:15	52	44	74	337	0.43
12/12/2024	14:30	48	43	67	341	0.39
12/12/2024	14:45	47	42	67	329	0.33
12/12/2024	15:00	48	43	71	333	0.25
12/12/2024	15:15	49	44	66	329	0.21
12/12/2024	15:30	48	44	66	301	0.14
12/12/2024	15:45	51	44	75	334	0.31
12/12/2024	16:00	47	44	70	330	0.27
12/12/2024	16:15	49	44	71	324	0.27
12/12/2024	16:30	53	44	78	323	0.33
12/12/2024	16:45	49	44	69	326	0.31
12/12/2024	17:00	50	45	69	327	0.27
12/12/2024	17:15	52	45	70	333	0.26
12/12/2024	17:30	51	47	74	331	0.37
12/12/2024	17:45	51	48	67	324	0.30
12/12/2024	18:00	61	45	82	325	0.29
12/12/2024	18:15	49	46	69	323	0.29
12/12/2024	18:30	53	47	70	306	0.27
12/12/2024	18:45	49	46	66	334	0.36
12/12/2024	19:00	48	46	64	318	0.30
12/12/2024	19:15	48	45	65	334	0.34
12/12/2024	19:30	48	45	70	336	0.38
12/12/2024	19:45	48	45	66	330	0.35
12/12/2024	20:00	47	45	65	329	0.33
12/12/2024	20:15	46	44	53	322	0.21
12/12/2024	20:30	46	44	54	320	0.24
12/12/2024	20:45	47	45	58	335	0.35
12/12/2024	21:00	46	45	53	342	0.43

12/12/2024	21:15	46	43	64	340	0.38
12/12/2024	21:30	46	44	62	320	0.23
12/12/2024	21:45	45	44	59	277	0.21
12/12/2024	22:00	45	43	56	267	0.22
12/12/2024	22:15	45	43	57	267	0.20
12/12/2024	22:30	44	42	56	284	0.21
12/12/2024	22:45	44	43	56	241	0.20
13/12/2024	07:00	48	46	58		
13/12/2024	07:15	51	43	67		
13/12/2024	07:30	45	42	63		
13/12/2024	07:45	50	44	71		
13/12/2024	08:00	52	45	76		
13/12/2024	08:15	48	43	69		
13/12/2024	08:30	52	44	70		
13/12/2024	08:45	48	44	63		
13/12/2024	09:00	52	42	70		
13/12/2024	09:15	50	42	75		
13/12/2024	09:30	48	43	71		
13/12/2024	09:45	48	42	65		
13/12/2024	10:00	50	41	71		
13/12/2024	10:15	48	42	69		
13/12/2024	10:30	48	44	67		
13/12/2024	10:45	51	44	75		
13/12/2024	11:00	48	43	69		
13/12/2024	11:15	48	44	66		
13/12/2024	11:30	48	42	64		
13/12/2024	11:45	54	43	75		
13/12/2024	12:00	48	42	67		
13/12/2024	12:15	50	42	70		
13/12/2024	12:30	53	41	75		
13/12/2024	12:45	48	40	71		
13/12/2024	13:00	47	41	65		
13/12/2024	13:15	46	40	64		
13/12/2024	13:30	53	40	76		
13/12/2024	13:45	55	42	79		
13/12/2024	14:00	51	42	73		
13/12/2024	14:15	46	43	64		
13/12/2024	14:30	49	44	69		
13/12/2024	14:45	52	43	75		
13/12/2024	15:00	51	44	70		
13/12/2024	15:15	51	43	74		
13/12/2024	15:30	47	43	67		
13/12/2024	15:45	50	43	71		
13/12/2024	16:00	51	45	75		
13/12/2024	16:15	47	45	66		
13/12/2024	16:30	45	44	65		
13/12/2024	16:45	45	43	55		
13/12/2024	17:00	47	42	66		
13/12/2024	17:15	44	39	64		
13/12/2024	17:30	44	38	68		
13/12/2024	17:45	47	41	66		
13/12/2024	18:00	45	37	70		
13/12/2024	18:15	43	37	64		
13/12/2024	18:30	41	39	51		
13/12/2024	18:45	41	39	59		
13/12/2024	19:00	44	40	57		

13/12/2024	19:15	43	41	60		
13/12/2024	19:30	41	40	52		
13/12/2024	19:45	42	39	66		
13/12/2024	20:00	42	37	67		
13/12/2024	20:15	36	32	51		
13/12/2024	20:30	33	31	45		
13/12/2024	20:45	34	31	46		
13/12/2024	21:00	43	31	71		
13/12/2024	21:15	35	33	43		
13/12/2024	21:30	35	34	42		
13/12/2024	21:45	35	31	50		
13/12/2024	22:00	36	31	59		
13/12/2024	22:15	32	30	46		
13/12/2024	22:30	33	30	48		
13/12/2024	22:45	34	32	39		
14/12/2024	07:00	38	35	55		
14/12/2024	07:15	43	38	68		
14/12/2024	07:30	49	36	71		
14/12/2024	07:45	43	39	63		
14/12/2024	08:00	51	37	72		
14/12/2024	08:15	46	35	67		
14/12/2024	08:30	48	35	70		
14/12/2024	08:45	49	35	67		
14/12/2024	09:00	52	36	72		
14/12/2024	09:15	50	35	76		
14/12/2024	09:30	53	36	76		
14/12/2024	09:45	47	36	71		
14/12/2024	10:00	46	35	68		
14/12/2024	10:15	45	35	65		
14/12/2024	10:30	49	37	69		
14/12/2024	10:45	47	38	70		
14/12/2024	11:00	45	37	67		
14/12/2024	11:15	51	37	72		
14/12/2024	11:30	52	36	75		
14/12/2024	11:45	47	36	68		
14/12/2024	12:00	48	38	67		
14/12/2024	12:15	48	36	75		
14/12/2024	12:30	48	36	67		
14/12/2024	12:45	50	36	72		
14/12/2024	13:00	50	38	68		
14/12/2024	13:15	49	36	74		
14/12/2024	13:30	50	37	74		
14/12/2024	13:45	49	37	75		
14/12/2024	14:00	52	37	74		
14/12/2024	14:15	49	38	65		
14/12/2024	14:30	44	35	67		
14/12/2024	14:45	50	35	74		
14/12/2024	15:00	52	35	85		
14/12/2024	15:15	47	36	71		
14/12/2024	15:30	48	38	68		
14/12/2024	15:45	44	35	71		
14/12/2024	16:00	47	36	66		
14/12/2024	16:15	48	36	71		
14/12/2024	16:30	49	35	75		
14/12/2024	16:45	44	34	64		
14/12/2024	17:00	47	34	71		

14/12/2024	17:15	50	35	74		
14/12/2024	17:30	46	35	69		
14/12/2024	17:45	46	37	68		
14/12/2024	18:00	41	38	53		
14/12/2024	18:15	42	35	67		
14/12/2024	18:30	40	35	62		
14/12/2024	18:45	44	37	69		
14/12/2024	19:00	45	37	71		
14/12/2024	19:15	42	37	64		
14/12/2024	19:30	42	36	67		
14/12/2024	19:45	46	35	73		
14/12/2024	20:00	36	34	43		
14/12/2024	20:15	36	34	45		
14/12/2024	20:30	37	34	48		
14/12/2024	20:45	36	33	46		
14/12/2024	21:00	38	35	49		
14/12/2024	21:15	38	34	49		
14/12/2024	21:30	38	35	47		
14/12/2024	21:45	37	35	50		
14/12/2024	22:00	37	34	44		
14/12/2024	22:15	40	36	66		
14/12/2024	22:30	40	36	63		
14/12/2024	22:45	38	36	47		
15/12/2024	07:00	38	35	49		
15/12/2024	07:15	46	35	72		
15/12/2024	07:30	45	35	67		
15/12/2024	07:45	44	37	67		
15/12/2024	08:00	50	39	70		
15/12/2024	08:15	45	37	68		
15/12/2024	08:30	46	38	66		
15/12/2024	08:45	52	37	76		
15/12/2024	09:00	47	38	67		
15/12/2024	09:15	51	38	77		
15/12/2024	09:30	63	38	85		
15/12/2024	09:45	49	37	75		
15/12/2024	10:00	45	37	65		
15/12/2024	10:15	52	39	74		
15/12/2024	10:30	50	40	74		
15/12/2024	10:45	47	39	65		
15/12/2024	11:00	49	39	70		
15/12/2024	11:15	47	37	67		
15/12/2024	11:30	47	39	65		
15/12/2024	11:45	50	39	72		
15/12/2024	12:00	48	38	70		
15/12/2024	12:15	47	38	65		
15/12/2024	12:30	47	38	72		
15/12/2024	12:45	53	38	74		
15/12/2024	13:00	49	39	67		
15/12/2024	13:15	51	39	77		
15/12/2024	13:30	49	39	68		
15/12/2024	13:45	49	41	72		
15/12/2024	14:00	50	40	77		
15/12/2024	14:15	46	38	70		
15/12/2024	14:30	48	38	72		
15/12/2024	14:45	48	39	69		
15/12/2024	15:00	47	40	65		

15/12/2024	15:15	47	39	64		
15/12/2024	15:30	44	39	59		
15/12/2024	15:45	47	40	64		
15/12/2024	16:00	46	41	65		
15/12/2024	16:15	46	41	64		
15/12/2024	16:30	45	39	65		
15/12/2024	16:45	42	38	70		
15/12/2024	17:00	46	38	67		
15/12/2024	17:15	42	38	62		
15/12/2024	17:30	43	40	61		
15/12/2024	17:45	45	39	66		
15/12/2024	18:00	43	39	63		
15/12/2024	18:15	41	37	55		
15/12/2024	18:30	44	39	67		
15/12/2024	18:45	42	41	51		
15/12/2024	19:00	44	40	53		
15/12/2024	19:15	44	39	60		
15/12/2024	19:30	44	40	60		
15/12/2024	19:45	44	40	65		
15/12/2024	20:00	43	38	60		
15/12/2024	20:15	42	37	60		
15/12/2024	20:30	44	37	60		
15/12/2024	20:45	42	37	58		
15/12/2024	21:00	42	37	57		
15/12/2024	21:15	39	36	54		
15/12/2024	21:30	42	36	66		
15/12/2024	21:45	45	38	61		
15/12/2024	22:00	40	38	52		
15/12/2024	22:15	42	38	60		
15/12/2024	22:30	41	38	51		
15/12/2024	22:45	41	38	53		
16/12/2024	07:00	39	36	48		
16/12/2024	07:15	48	36	73		
16/12/2024	07:30	53	40	70		
16/12/2024	07:45	48	39	69		
16/12/2024	08:00	53	37	78		
16/12/2024	08:15	52	39	76		
16/12/2024	08:30	51	41	70		
16/12/2024	08:45	51	39	70		
16/12/2024	09:00	50	38	67		
16/12/2024	09:15	52	38	73		
16/12/2024	09:30	45	37	64		
16/12/2024	09:45	53	37	78		
16/12/2024	10:00	48	38	74		
16/12/2024	10:15	52	39	73		
16/12/2024	10:30	49	37	70		
16/12/2024	10:45	50	37	74		
16/12/2024	11:00	48	37	71		
16/12/2024	11:15	43	39	59		
16/12/2024	11:30	52	39	76		
16/12/2024	11:45	52	39	77		
16/12/2024	12:00	49	39	74		
16/12/2024	12:15	52	39	75		
16/12/2024	12:30	49	41	70		
16/12/2024	12:45	50	40	71		
16/12/2024	13:00	61	42	84		

16/12/2024	13:15	63	41	89		
16/12/2024	13:30	46	41	75		
16/12/2024	13:45	53	40	77		
16/12/2024	14:00	54	39	74		
16/12/2024	14:15	51	37	73		
16/12/2024	14:30	53	38	81		
16/12/2024	14:45	51	38	76		
16/12/2024	15:00	48	37	70		
16/12/2024	15:15	49	38	70		
16/12/2024	15:30	49	38	72		
16/12/2024	15:45	51	41	66		
16/12/2024	16:00	41	38	55		
16/12/2024	16:15	47	38	68		
16/12/2024	16:30	49	39	74		
16/12/2024	16:45	53	38	76		
16/12/2024	17:00	43	38	63		
16/12/2024	17:15	46	37	69		
16/12/2024	17:30	50	38	75		
16/12/2024	17:45	45	39	64		
16/12/2024	18:00	43	39	64		
16/12/2024	18:15	51	40	81		
16/12/2024	18:30	43	40	65		
16/12/2024	18:45	42	37	62		
16/12/2024	19:00	43	38	64		
16/12/2024	19:15	41	37	63		
16/12/2024	19:30	42	37	59		
16/12/2024	19:45	48	42	60		
16/12/2024	20:00	46	39	52		
16/12/2024	20:15	44	38	62		
16/12/2024	20:30	46	38	71		
16/12/2024	20:45	41	38	57		
16/12/2024	21:00	41	38	59		
16/12/2024	21:15	42	37	66		
16/12/2024	21:30	41	37	65		
16/12/2024	21:45	40	37	49		
16/12/2024	22:00	40	38	49		
16/12/2024	22:15	41	40	48		
16/12/2024	22:30	41	40	47		
16/12/2024	22:45	40	38	48		
17/12/2024	07:00	47	44	69		
17/12/2024	07:00	53	42	75		
17/12/2024	07:15	47	43	68		
17/12/2024	07:30	51	44	72		
17/12/2024	07:45	55	44	78		
17/12/2024	08:00	52	44	70		
17/12/2024	08:15	54	45	72		
17/12/2024	08:30	48	45	69		
17/12/2024	08:45	52	45	70		
17/12/2024	09:00	52	44	74		
17/12/2024	09:15	54	46	75		
17/12/2024	09:30	58	47	81		
17/12/2024	09:45	50	44	67		
17/12/2024	10:00	55	45	74		
17/12/2024	10:15	54	45	75		
17/12/2024	10:30	50	45	68		
17/12/2024	10:45	51	45	69		

17/12/2024	11:00	49	45	65		
17/12/2024	11:15	50	45	68		
17/12/2024	11:30	56	45	78		
17/12/2024	11:45	53	45	72		
17/12/2024	12:00	50	45	67		
17/12/2024	12:15	62	45	90		

Raw data and central tendencies for location NSR-4: New Hall Farm

Measure of central tendency	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)
Modes	45	43	56
Mean	46	43	60
Mean - 1 s.d.	41	39	-
Log Average	52	-	-

Table 4: Night-time period (23:00 to 07:00)

Date	Time	L_{Aeq} (dB)	L_{A90} (dB)	L_{AFMax} (dB)	Wind direction (°)	Wind speed (m/s)
25/11/2024	23:00	42	38	49	206	0.45
25/11/2024	23:15	46	44	60	187	0.50
25/11/2024	23:30	42	40	51	184	0.69
25/11/2024	23:45	42	41	51	197	0.54
26/11/2024	00:00	42	41	50	221	0.55
26/11/2024	00:15	41	40	51	191	0.41
26/11/2024	00:30	47	43	58	201	0.38
26/11/2024	00:45	47	43	58	196	0.59
26/11/2024	01:00	43	41	51	183	0.43
26/11/2024	01:15	43	41	51	178	0.58
26/11/2024	01:30	42	41	52	182	0.52
26/11/2024	01:45	43	42	53	177	0.62
26/11/2024	02:00	45	43	58	188	0.58
26/11/2024	02:15	45	42	56	200	0.28
26/11/2024	02:30	43	41	53	188	0.40
26/11/2024	02:45	39	36	54	185	0.57
26/11/2024	03:00	38	36	48	188	0.41
26/11/2024	03:15	41	39	54	180	0.81
26/11/2024	03:30	46	44	55	178	0.82
26/11/2024	03:45	45	42	57	175	0.82
26/11/2024	04:00	47	46	61	179	0.72
26/11/2024	04:15	47	44	61	178	0.62
26/11/2024	04:30	45	43	56	181	0.57
26/11/2024	04:45	44	41	56	184	0.54
26/11/2024	05:00	43	41	53	203	0.53
26/11/2024	05:15	46	44	58	241	0.20
26/11/2024	05:30	45	43	57	174	0.41
26/11/2024	05:45	40	38	57	189	0.41
26/11/2024	06:00	41	37	57	177	0.55
26/11/2024	06:15	45	36	66	330	0.21
26/11/2024	06:30	50	44	65	203	0.27
26/11/2024	06:45	52	38	70	192	0.41
26/11/2024	23:00	47	45	56	315	0.33
26/11/2024	23:15	48	44	61	265	0.31
26/11/2024	23:30	48	46	61	272	0.17
26/11/2024	23:45	47	45	57	304	0.25
27/11/2024	00:00	45	44	55	287	0.22
27/11/2024	00:15	45	42	63	267	0.19
27/11/2024	00:30	46	44	59	311	0.23
27/11/2024	00:45	45	44	54	233	0.13
27/11/2024	01:00	48	45	65	203	0.20

27/11/2024	01:15	48	45	60	302	0.25
27/11/2024	01:30	45	43	55	238	0.15
27/11/2024	01:45	47	45	59	328	0.32
27/11/2024	02:00	44	42	55	327	0.23
27/11/2024	02:15	41	39	53	289	0.23
27/11/2024	23:00	45	40	68	293	0.20
27/11/2024	23:15	39	37	48	229	0.16
27/11/2024	23:30	40	38	52	229	0.18
27/11/2024	23:45	44	41	56	320	0.22
28/11/2024	00:00	44	43	54	254	0.11
28/11/2024	00:15	46	44	56	219	0.21
28/11/2024	00:30	45	41	70	207	0.15
28/11/2024	00:45	45	40	66	309	0.23
28/11/2024	01:00	43	40	53	289	0.21
28/11/2024	01:15	42	40	53	221	0.22
28/11/2024	01:30	43	42	56	268	0.23
28/11/2024	01:45	45	43	56	304	0.18
28/11/2024	02:00	44	43	56	190	0.23
28/11/2024	02:15	45	43	62	219	0.15
28/11/2024	02:30	47	46	61	240	0.12
28/11/2024	02:45	46	45	58	329	0.21
28/11/2024	03:00	46	44	57	230	0.21
28/11/2024	03:15	45	44	58	298	0.13
28/11/2024	03:30	46	45	61	214	0.14
28/11/2024	03:45	46	45	58	287	0.14
28/11/2024	04:00	47	45	62	236	0.12
28/11/2024	04:15	47	45	59	247	0.13
28/11/2024	04:30	48	46	60	263	0.13
28/11/2024	04:45	47	45	60	229	0.16
28/11/2024	05:00	47	45	64	314	0.18
28/11/2024	05:15	46	43	58	302	0.16
28/11/2024	05:30	47	43	64	291	0.12
28/11/2024	05:45	45	43	53	301	0.17
28/11/2024	06:00	47	45	63	303	0.17
28/11/2024	06:15	47	45	56	210	0.24
28/11/2024	06:30	49	47	60	245	0.18
28/11/2024	06:45	48	46	60	297	0.20
28/11/2024	23:00	47	45	63	185	0.56
28/11/2024	23:15	48	45	62	182	0.98
28/11/2024	23:30	46	44	58	185	1.04
28/11/2024	23:45	45	43	58	185	1.00
29/11/2024	00:00	45	44	59	184	1.11
29/11/2024	00:15	45	43	56	187	1.01
29/11/2024	00:30	44	43	61	187	0.84
29/11/2024	00:45	45	43	58	185	0.69
29/11/2024	01:00	44	42	61	181	0.79
29/11/2024	01:15	45	43	62	180	0.85
29/11/2024	01:30	45	42	60	178	0.80
29/11/2024	01:45	45	43	62	175	0.69
29/11/2024	02:00	45	43	60	178	0.80
29/11/2024	02:15	44	43	55	180	0.70
29/11/2024	02:30	44	43	54	179	0.69
29/11/2024	02:45	44	42	54	182	0.89
29/11/2024	03:00	45	43	58	181	0.74
29/11/2024	03:15	44	42	61	185	0.69
29/11/2024	03:30	43	41	60	185	0.68

29/11/2024	03:45	44	42	61	186	0.50
29/11/2024	04:00	43	41	58	188	0.51
29/11/2024	04:15	44	42	59	272	0.16
29/11/2024	04:30	44	43	55	207	0.41
29/11/2024	04:45	45	44	66	178	1.07
29/11/2024	05:00	44	43	55	181	0.79
29/11/2024	05:15	44	43	56	177	0.55
29/11/2024	05:30	46	43	59	186	0.55
29/11/2024	05:45	46	44	57	204	0.30
29/11/2024	06:00	45	44	58	190	0.46
29/11/2024	06:15	45	43	58	203	0.41
29/11/2024	06:30	44	43	60	190	0.35
29/11/2024	06:45	46	43	66	185	0.74
29/11/2024	23:00	45	43	58	190	0.84
29/11/2024	23:15	45	43	61	185	0.70
29/11/2024	23:30	44	42	61	184	0.73
29/11/2024	23:45	44	42	57	179	0.90
30/11/2024	00:00	43	41	61	171	0.88
30/11/2024	00:15	42	41	58	182	0.61
30/11/2024	00:30	42	41	57	180	0.65
30/11/2024	00:45	42	41	61	170	0.87
30/11/2024	01:00	42	41	56	181	0.59
30/11/2024	01:15	42	41	59	179	0.68
30/11/2024	01:30	44	43	58	178	0.78
30/11/2024	01:45	45	42	59	176	0.68
30/11/2024	02:00	43	40	62	178	0.84
30/11/2024	02:15	44	41	59	170	1.16
30/11/2024	02:30	41	40	56	174	1.22
30/11/2024	02:45	42	41	59	174	1.19
30/11/2024	03:00	43	42	54	179	0.80
30/11/2024	03:15	43	42	56	185	0.56
30/11/2024	03:30	43	41	54	177	0.79
30/11/2024	03:45	44	42	57	174	0.94
30/11/2024	04:00	43	41	57	175	0.71
30/11/2024	04:15	43	42	55	187	0.61
30/11/2024	04:30	43	42	59	195	0.56
30/11/2024	04:45	43	41	55	185	0.62
30/11/2024	05:00	45	43	55	209	0.48
30/11/2024	05:15	47	45	57	210	0.40
30/11/2024	05:30	45	43	56	206	0.36
30/11/2024	05:45	44	42	57	190	0.48
30/11/2024	06:00	44	42	57	225	0.27
30/11/2024	06:15	44	43	58	187	0.48
30/11/2024	06:30	44	41	56	177	0.66
30/11/2024	06:45	42	40	55	176	0.95
30/11/2024	23:00	45	43	55	178	0.92
30/11/2024	23:15	45	43	60	176	1.05
30/11/2024	23:30	45	43	60	180	1.12
30/11/2024	23:45	45	44	55	181	1.02
01/12/2024	00:00	46	44	59	182	0.91
01/12/2024	00:15	45	44	62	181	0.80
01/12/2024	00:30	46	44	59	183	0.84
01/12/2024	00:45	46	44	61	179	0.82
01/12/2024	01:00	46	44	64	185	0.69
01/12/2024	01:15	46	44	59	180	0.84
01/12/2024	01:30	46	45	61	176	1.02

01/12/2024	01:45	46	45	59	182	1.06
01/12/2024	02:00	46	44	58	176	1.19
01/12/2024	02:15	46	44	61	179	1.15
01/12/2024	02:30	46	44	59	177	1.26
01/12/2024	02:45	47	45	61	176	1.30
01/12/2024	03:00	49	47	59	176	1.40
01/12/2024	05:45	45	43	56	173	0.71
01/12/2024	06:00	45	43	61	173	0.73
01/12/2024	06:15	47	44	57	184	0.58
01/12/2024	23:00	36	34	47	228	0.67
01/12/2024	23:15	37	35	48	239	0.58
01/12/2024	23:30	38	35	52	233	0.79
01/12/2024	23:45	39	35	54	224	0.71
02/12/2024	00:00	38	35	48	239	0.87
02/12/2024	00:15	38	36	44	233	0.77
02/12/2024	00:30	41	38	47	229	0.49
02/12/2024	00:45	43	40	50	240	0.39
02/12/2024	01:00	45	42	68	273	0.24
02/12/2024	01:15	41	38	47	192	0.47
02/12/2024	01:30	43	41	49	236	0.37
02/12/2024	01:45	45	43	64	203	0.45
02/12/2024	02:00	43	38	49	195	0.55
02/12/2024	02:15	39	37	56	190	0.70
02/12/2024	02:30	41	38	51	180	0.94
02/12/2024	02:45	43	40	63	185	0.74
02/12/2024	03:00	42	41	53	188	0.61
02/12/2024	03:15	44	43	59	185	0.76
02/12/2024	03:30	43	38	59	197	0.61
02/12/2024	05:30	46	36	65	320	1.45
02/12/2024	05:45	46	38	65	326	1.95
02/12/2024	06:00	42	36	59	316	1.52
02/12/2024	06:15	39	36	60	311	1.02
02/12/2024	06:30	43	36	71	311	1.19
02/12/2024	06:45	49	37	72	323	1.50
02/12/2024	23:00	37	34	58	264	0.16
02/12/2024	23:15	41	35	56	259	0.20
02/12/2024	23:30	38	36	50	321	0.24
02/12/2024	23:45	36	34	47	321	0.25
03/12/2024	00:00	34	33	45	338	0.30
03/12/2024	00:15	37	34	50	239	0.18
03/12/2024	00:30	39	37	52	179	0.35
03/12/2024	00:45	45	41	61	319	0.20
03/12/2024	01:00	46	44	64	235	0.17
03/12/2024	01:15	45	43	56	240	0.27
03/12/2024	01:30	44	41	62	241	0.23
03/12/2024	01:45	45	42	59	259	0.15
03/12/2024	02:00	48	46	60	261	0.25
03/12/2024	02:15	46	43	62	230	0.18
03/12/2024	02:30	44	41	55	275	0.25
03/12/2024	02:45	43	40	51	276	0.13
03/12/2024	03:00	43	41	58	283	0.20
03/12/2024	03:15	44	41	59	200	0.19
03/12/2024	03:30	41	38	58	233	0.17
03/12/2024	03:45	44	42	60	263	0.17
03/12/2024	04:00	45	43	56	194	0.18
03/12/2024	04:15	45	44	59	257	0.10

03/12/2024	04:30	45	42	59	216	0.25
03/12/2024	04:45	45	42	62	305	0.13
03/12/2024	05:00	40	38	52	322	0.26
03/12/2024	05:15	43	40	55	247	0.16
03/12/2024	05:30	45	42	62	305	0.24
03/12/2024	05:45	51	44	69	228	0.14
03/12/2024	06:00	46	43	63	264	0.16
03/12/2024	06:15	45	44	58	252	0.13
03/12/2024	06:30	48	45	66	329	0.25
03/12/2024	06:45	50	45	67	312	0.17
03/12/2024	23:00	45	43	64	179	1.16
03/12/2024	23:15	47	46	54	182	0.76
03/12/2024	23:30	47	45	54	204	0.56
04/12/2024	01:00	49	48	65	195	0.64
04/12/2024	01:15	47	45	61	246	0.35
04/12/2024	01:30	48	46	58	212	0.51
04/12/2024	01:45	47	45	63	201	0.31
04/12/2024	02:00	47	44	61	198	0.41
04/12/2024	02:15	46	45	61	189	0.53
04/12/2024	02:30	46	44	60	185	0.46
04/12/2024	02:45	46	44	54	178	0.57
04/12/2024	03:00	48	44	62	184	0.34
04/12/2024	03:15	47	43	56	218	0.23
04/12/2024	03:30	43	41	56	269	0.22
04/12/2024	03:45	41	36	53	302	0.21
04/12/2024	04:00	47	41	71	279	0.25
04/12/2024	04:15	39	34	50	180	0.19
04/12/2024	04:30	35	34	44	211	0.33
04/12/2024	04:45	40	36	55	204	0.33
04/12/2024	05:00	42	40	55	300	0.28
04/12/2024	05:15	41	38	52	277	0.20
04/12/2024	05:30	47	39	66	250	0.31
04/12/2024	05:45	45	42	53	322	0.35
04/12/2024	06:00	47	41	68	220	0.21
04/12/2024	06:15	48	44	65	188	0.38
04/12/2024	06:30	48	45	58	180	0.29
04/12/2024	06:45	48	47	58	199	0.16
04/12/2024	23:00	45	43	58	183	1.27
04/12/2024	23:15	46	44	59	181	1.08
04/12/2024	23:30	46	43	59	181	1.13
04/12/2024	23:45	46	44	66	180	0.93
05/12/2024	00:00	45	43	63	184	0.61
05/12/2024	00:15	44	43	61	178	0.74
05/12/2024	02:00	45	44	64	183	1.04
05/12/2024	02:15	45	43	62	181	1.03
05/12/2024	02:30	45	43	60	181	0.80
05/12/2024	02:45	44	43	61	176	0.85
05/12/2024	03:00	44	42	59	177	0.70
05/12/2024	03:15	44	42	56	188	1.04
05/12/2024	03:30	44	42	60	195	1.03
05/12/2024	03:45	43	41	57	197	0.84
05/12/2024	04:00	40	39	53	191	0.67
05/12/2024	04:15	40	39	54	211	0.66
05/12/2024	05:45	40	35	54	293	1.18
05/12/2024	06:00	43	38	56	259	0.90
05/12/2024	06:15	43	36	62	244	1.05

05/12/2024	06:30	43	36	66	253	0.98
05/12/2024	06:45	49	37	71	239	1.07
05/12/2024	23:45	55	46	74	327	2.71
06/12/2024	00:00	53	46	71	326	2.99
06/12/2024	00:15	50	43	65	326	2.92
06/12/2024	00:30	49	41	71	326	2.79
06/12/2024	00:45	47	41	63	326	2.41
06/12/2024	01:00	47	40	63	325	2.05
06/12/2024	01:15	50	40	69	326	2.36
06/12/2024	01:30	49	40	66	325	2.21
06/12/2024	01:45	48	40	66	326	2.37
06/12/2024	02:00	44	38	65	322	1.84
06/12/2024	02:15	44	38	60	321	1.82
06/12/2024	02:30	45	38	61	321	2.01
06/12/2024	02:45	47	39	70	326	2.31
06/12/2024	03:00	47	40	69	326	2.22
06/12/2024	03:15	45	38	63	324	1.67
06/12/2024	03:30	48	37	72	328	1.89
06/12/2024	03:45	43	36	65	321	1.58
06/12/2024	04:00	39	37	57	309	0.98
06/12/2024	04:15	41	37	59	316	1.11
06/12/2024	04:30	40	38	49	199	0.63
06/12/2024	04:45	41	38	58	223	0.55
06/12/2024	05:00	39	37	55	282	0.90
06/12/2024	05:15	38	34	50	314	1.15
06/12/2024	05:30	45	34	68	325	2.06
06/12/2024	05:45	44	38	62	325	2.00
06/12/2024	06:00	42	37	56	285	1.07
06/12/2024	06:15	45	36	70	287	0.96
06/12/2024	06:30	37	35	49	321	1.16
06/12/2024	06:45	45	37	70	321	1.18
07/12/2024	00:00	59	51	78	198	2.32
07/12/2024	00:15	60	52	74	203	2.45
07/12/2024	00:30	57	51	73	197	2.86
07/12/2024	00:45	59	54	74	204	2.51
07/12/2024	01:00	57	51	70	200	2.65
07/12/2024	01:15	58	52	76	203	2.89
07/12/2024	01:30	59	51	77	203	2.46
07/12/2024	01:45	54	48	68	200	2.23
07/12/2024	02:00	50	46	63	205	1.87
07/12/2024	02:15	52	45	66	214	1.68
07/12/2024	23:30	65	53	87	337	2.71
07/12/2024	23:45	65	53	87	338	2.81
08/12/2024	00:00	66	54	85	342	2.41
08/12/2024	00:15	63	53	83	338	2.38
08/12/2024	00:30	64	53	85	340	2.34
08/12/2024	00:45	65	54	83	340	2.88
08/12/2024	01:00	66	54	86	337	2.39
08/12/2024	01:15	64	53	82	338	2.34
08/12/2024	01:30	67	54	89	340	2.18
08/12/2024	01:45	66	53	86	339	2.40
08/12/2024	02:00	63	51	82	340	2.53
08/12/2024	02:15	66	54	87	341	2.35
08/12/2024	02:30	65	52	86	340	2.20
08/12/2024	02:45	66	52	88	339	2.30
08/12/2024	03:00	63	52	82	338	2.51

08/12/2024	03:15	63	53	83	337	2.31
08/12/2024	03:30	62	52	82	338	2.41
08/12/2024	03:45	61	49	90	336	2.23
08/12/2024	04:00	61	50	82	336	2.30
08/12/2024	04:15	58	49	78	340	2.18
08/12/2024	04:30	62	49	83	338	2.16
08/12/2024	04:45	61	50	83	340	2.01
08/12/2024	05:00	60	51	81	340	1.73
08/12/2024	05:15	58	48	77	343	1.70
08/12/2024	05:30	53	46	72	345	1.76
08/12/2024	05:45	55	46	71	340	1.73
08/12/2024	06:00	51	46	70	342	1.55
08/12/2024	06:15	52	45	67	342	1.27
08/12/2024	06:30	52	44	75	337	1.21
08/12/2024	06:45	49	44	68	340	1.23
08/12/2024	23:00	44	40	58	342	0.92
08/12/2024	23:15	46	42	61	343	1.26
08/12/2024	23:30	45	41	57	347	1.14
08/12/2024	23:45	43	41	57	342	1.04
09/12/2024	00:00	45	42	61	343	1.15
09/12/2024	00:15	44	41	60	343	1.21
09/12/2024	00:30	43	40	54	338	0.91
09/12/2024	00:45	45	40	64	341	1.13
09/12/2024	01:00	45	41	60	341	1.01
09/12/2024	01:15	47	42	63	345	1.18
09/12/2024	01:30	45	41	62	342	1.22
09/12/2024	01:45	46	42	58	344	1.28
09/12/2024	02:00	47	42	65	343	1.02
09/12/2024	02:15	44	40	63	342	0.96
09/12/2024	02:30	46	42	60	346	1.09
09/12/2024	02:45	44	40	61	341	1.15
09/12/2024	03:00	46	42	62	341	1.18
09/12/2024	03:15	43	40	55	337	1.03
09/12/2024	03:30	44	40	58	344	0.77
09/12/2024	03:45	43	41	55	340	0.60
09/12/2024	04:00	43	41	56	345	0.89
09/12/2024	04:15	43	41	57	342	1.10
09/12/2024	04:30	44	42	57	345	1.06
09/12/2024	04:45	44	42	57	341	1.44
09/12/2024	05:00	45	42	63	343	1.16
09/12/2024	05:15	46	42	62	344	1.01
09/12/2024	05:30	46	42	60	343	0.86
09/12/2024	05:45	45	42	55	344	0.81
09/12/2024	06:00	46	42	58	340	0.65
09/12/2024	06:15	45	42	58	341	0.69
09/12/2024	06:30	44	42	57	343	0.95
09/12/2024	06:45	46	43	61	344	1.15
09/12/2024	23:00	44	42	56	343	0.88
09/12/2024	23:15	45	42	56	345	0.90
09/12/2024	23:30	44	43	57	340	0.97
09/12/2024	23:45	44	42	62	342	0.80
10/12/2024	00:00	45	43	56	334	0.89
10/12/2024	00:15	45	43	54	338	0.80
10/12/2024	00:30	45	43	54	342	0.97
10/12/2024	00:45	45	43	57	343	0.92
10/12/2024	01:00	45	43	56	332	0.74

10/12/2024	01:15	45	42	61	342	0.91
10/12/2024	01:30	45	43	58	341	0.91
10/12/2024	01:45	45	43	57	338	0.66
10/12/2024	02:00	44	42	57	341	1.08
10/12/2024	02:15	44	42	55	339	0.74
10/12/2024	02:30	43	41	53	341	0.83
10/12/2024	02:45	43	41	59	348	1.01
10/12/2024	03:00	44	43	56	344	1.00
10/12/2024	03:15	45	42	60	338	0.97
10/12/2024	03:30	44	42	56	342	0.80
10/12/2024	03:45	43	41	55	342	0.85
10/12/2024	04:00	44	42	61	343	1.06
10/12/2024	04:15	44	42	53	339	0.77
10/12/2024	04:30	44	42	57	341	1.10
10/12/2024	04:45	43	42	55	345	1.07
10/12/2024	05:00	44	42	57	342	0.98
10/12/2024	05:15	45	42	54	341	0.96
10/12/2024	05:30	44	43	56	343	0.90
10/12/2024	05:45	44	42	55	338	0.67
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10/12/2024	23:45	44	42	50	336	0.42
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11/12/2024	01:15	45	43	54	338	0.61
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11/12/2024	01:45	44	43	50	328	0.32
11/12/2024	02:00	44	42	51	336	0.39
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11/12/2024	03:00	44	42	59	317	0.24
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11/12/2024	03:30	45	43	54	303	0.26
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11/12/2024	06:30	48	45	60	265	0.24
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