

London office

1B(c) Yukon Road
London
SW12 9PZ
Tel: 0203 475 2280

Manchester office

105 Manchester Road
Bury
BL9 0TD
Tel: 0161 850 2280

THE NORTHERN, WEST DIDSBURY, MANCHESTER

NOISE IMPACT ASSESSMENT: PROPOSED PADEL COURTS

Report **16764-NIA-02 RevC**

Prepared on 29 November 2022

Issued For:
Northern Lawn Tennis Club Limited
Palatine Road
West Didsbury
Manchester
M20 3YA



Executive Summary

This noise impact assessment has been undertaken in order to assess use of proposed covered Padel courts at The Northern, West Didsbury, Manchester

The proposed development comprises two new covered Padel courts, to be installed adjacent to an existing indoor tennis court building.

Attended noise measurements have been undertaken of an existing covered Padel Court at Harrogate Sports and Fitness Club, in order to determine the noise levels generated by use of a similar Padel Court to that proposed at this site.

Calculations were undertaken using the proprietary noise modelling software package CadnaA for the nearest identified receivers. It should be noted that if there are closer receivers than those assessed in this report, a reassessment will be necessary, and this should therefore be confirmed by the Client.

It has been demonstrated that compliance with the established criterion is expected, dependant on the current proposed layouts, the anticipated nature of usage, and assumptions regarding boundary treatments including the proposed introduction of screening to residential gardens on Elm Road.

If there is any deviation from the above, Clement Acoustics must be informed, in order to establish whether a reassessment is necessary.

Clement Acoustics has used all reasonable skill and professional judgement when preparing this report. The report relies on the information as provided to us at the time of writing and the assumptions as made in our assessment.

Contents

1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	1
3.0	ONSITE MEASUREMENTS	2
3.1	Attended Measurements of Tennis Activity.....	2
3.2	Weather Conditions	3
3.3	Equipment	3
4.0	RESULTS.....	4
4.1	Attended Noise Measurement Results	4
5.0	NOISE CRITERIA	4
5.1	Local Authority Policy	4
5.2	British Standard 4142	5
5.3	Artificial Grass Pitches (AGP) Acoustics.....	5
5.4	BS 8233: 2014 Internal Noise Criteria	6
5.5	Adopted Criteria	6
6.0	DESCRIPTION OF PROPOSALS.....	7
6.1	Anticipated Activities.....	7
6.2	Receiver Description.....	8
6.3	3D Noise Map Model.....	9
7.0	NOISE IMPACT ASSESSMENT.....	11
7.1	Garden Noise Impact Assessment.....	11
7.2	Façade Noise Impact Assessment	12
8.0	CUMULATIVE ASSESSMENT.....	13
9.0	CONCLUSION	14

List of Attachments

16764-NIA-02-SP1	Indicative Site Plan
Appendix A	Glossary of Acoustic Terminology
Appendix B	Raw Measurement Data
Appendix C	Calibration Certificates

Document Revision	Date of Revision	Reasons for Revision	Revision By
0	15/08/2022	First Issue	Duncan Martin MIOA
RevA	26/10/2022	Amended boundary treatments to include proposed screening	Duncan Martin MIOA
RevB	17/11/2022	Amended barrier location	Duncan Martin MIOA
RevC	29/11/2022	Updated calculations following attended measurements	Duncan Martin MIOA

1.0 INTRODUCTION

Clement Acoustics has been commissioned by Northern Lawn Tennis Club Limited to undertake an assessment of proposed new Padel Courts at the existing tennis club. Measured noise levels have been used to determine the expected noise impact of a proposed development of covered Padel courts, in agreement with the planning requirements of the Manchester City Council.

This report presents the results of onsite noise measurements followed by noise impact calculations and outlines any necessary mitigation measures.

An acoustic terminology glossary is provided in Appendix A.

2.0 SITE DESCRIPTION

The existing area of the Northern Lawn Tennis Club undergoing development, currently consists of a grass court area and intermediate grass areas.

Current proposals are to develop the site to provide two covered Padel courts in the location shown in Figure 2.1. A separate application has also been made to form 3 all-weather tennis courts in an adjacent location, also shown in Figure 2.1.

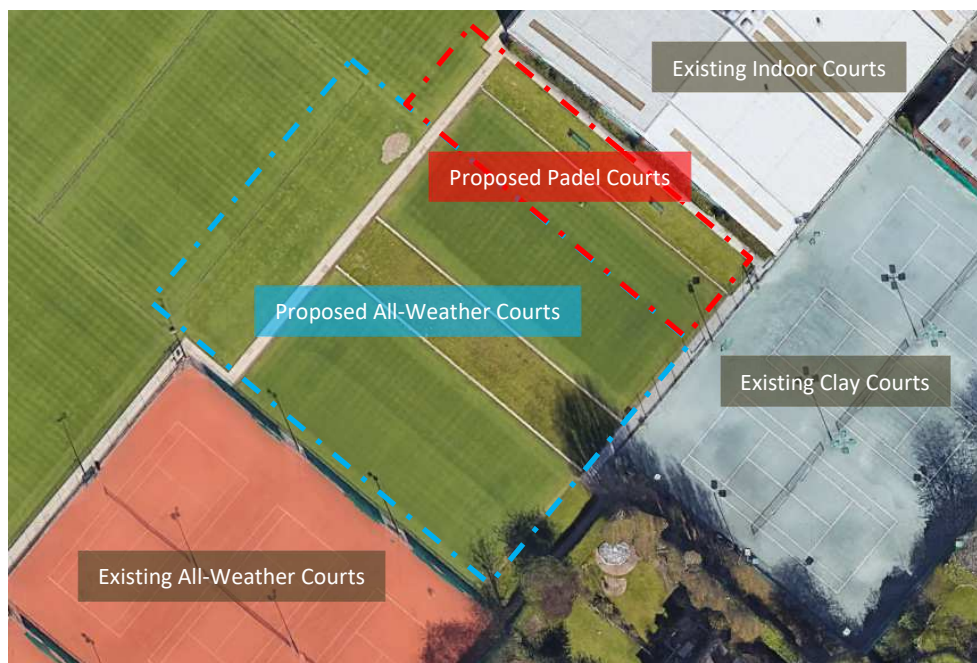


Figure 2.1: Aerial view of existing site showing development location

It should be noted that, although this report addresses only the Padel courts in detail, a cumulative assessment of the Padel and proposed all-weather pitches in combination is also provided.

The gardens and facades of residential houses on Elm Road have been identified as the nearest affected residential receivers. These nearest noise sensitive receivers were identified through site plans and on-site observations. If there are any receivers closer to that identified within this report then a further assessment will need to be carried out. Therefore, the closest noise sensitive receivers should be confirmed by the client before any work begins.

Locations are shown in attached site plan 16764-NIA-02-SP1.

3.0 ONSITE MEASUREMENTS

3.1 Attended Measurements of Tennis Activity

Attended noise measurements of an existing Padel Court were undertaken, to provide an understanding of the levels of noise generated.

Measurements were undertaken of a doubles match comprising four adult, male players. The match included racket-to-ball strikes, ball-to-floor strikes, ball-to-cage strikes and noise from conversations, shouts and competing.

Measurements were undertaken between 11:10 on and 11:30 on 25 November 2022 and were taken in single octaves between 63 Hz and 8 kHz.

At the time of the measurements, the ambient noise profile was largely dominated by noise due to activities taking place on the Padel Court.

The sound level meters were mounted approximately 1.5 m above ground level under free-field conditions at the locations described in Table 3.1.

Position No.	Description
1	The sound level meter was located at a distance of approximately 1.5 m from the edge of the net at the centre of the Padel Court. ^[1]
2	The sound level meter was located at a distance of approximately 4 m from the edge of the net at the centre of the Padel Court. ^[1]

Table 3.1: Description of attended monitoring locations

Note [1]: The position was considered to be free-field according to guidance found in BS 4142: 2014, and a correction for reflections has therefore not been applied.

The Padel Court assessed is shown in Figure 3.1.



Figure 3.1: Covered Padel Court assessed in measurements

3.2 Weather Conditions

At the time of the attended measurements, the weather conditions were dry with very low winds.

It is considered that the weather conditions did not significantly adversely affect the measurements and are therefore considered suitable for the measurement of environmental noise.

3.3 Equipment

The equipment calibration was verified, by means of a field verification check, before and after use and no abnormalities were observed.

The equipment used was as follows.

- 1 No. Svantek 957 Class 1 Sound Level Meter
- Norsonic Type 1251 Class 1 Calibrator

4.0 RESULTS

4.1 Attended Noise Measurement Results

Table 4.1 presents the results of the measurements carried out at the attended positions described in Section 3.1 above.

Position	Duration	Distance	Max $L_{eq,T}$	Noise Source Description
1	10 min	1 m	66 dB(A)	Consistent noise of balls being hit and bouncing, with talking and elevated conversation.
2	7 min	4 m	61 dB(A)	

Table 4.1: On-site measured noise levels

Full spectral data is shown in Appendix B.

5.0 NOISE CRITERIA

5.1 Local Authority Policy

The Manchester City Council document 'Planning and Noise – Technical Guidance', issued in October 2022 details appropriate criteria to be used for different types of noise source.

The proposed noise source of Padel Courts is best categorised by 'Other potentially noisy activities', which includes Multi-Use Games Areas [MUGAs], sports stadia and gymnasias.

The guidance for these types of noise sources is as follows:

"[These] types of development proposals or applications may have additional specific guidance published to review noise impacts or may otherwise be a potential source of noise."

A review has therefore been undertaken of possible applicable guidance in order to determine suitable criteria for noise emissions.

5.2 British Standard 4142

British Standard 4142:2014 +A1:2019 ‘*Methods for rating and assessing industrial and commercial sound*’ [BS 4142] is typically used to provide an assessment of proposed commercial activities and their impact on residential receptors.

BS 4142 is also stated as preferred method of assessing commercial and industrial noise in the ‘Industrial / commercial developments’ section of the City of Manchester guidance.

However, Paragraph 1.3 of BS 4142 lists a number of activities that the standard should not be applied to. This list includes ‘recreational activities’. BS 4142 therefore cannot be applied to the assessment of Padel Court noise, and alternative guidance has therefore been sought.

5.3 Artificial Grass Pitches (AGP) Acoustics

Sports facilities will be assessed according to the recommendations of Sport England document ‘Artificial Grass Pitches (AGP) Acoustics – Planning Implications’.

This document gives recommended methodologies for calculating the noise level due to AGP use at different receivers.

Although the Padel Courts do not use artificial grass, the guidance of this document is considered the most relevant applicable to a proposed noise source of sports activity. The sports mentioned in the document are Football, Rugby and Hockey, sports which all include ball impacts, particularly Hockey.

The guidance of the document with regards to setting a noise limit for noise emissions is as follows:

“The determining noise criteria for AGPs proximity to residential properties, to avoid moderate annoyance in the daytime and evenings, as set by the World Health Organisation’s ‘Guidelines for Community Noise’: 50 dB $L_{Aeq(1hour)}$ upper noise limit external to residential properties and within external living areas.”

5.4 BS 8233: 2014 Internal Noise Criteria

BS 8233: 2014: 'Guidance on sound insulation and noise reduction for buildings' describes recommended acceptable internal noise levels for residential spaces during daytime and night-time hours. These levels are shown in Table 5.1.

Activity	Location	Design range $L_{eq,T}$	
		Daytime (07:00-23:00)	Night-time (23:00-07:00)
Resting	Living Room	35 dB(A)	-
Dining	Dining Room/Area	40 dB(A)	-
Sleeping	Bedroom	35 dB(A)	30 dB(A)

Table 5.1: BS 8233: 2014 recommended internal background noise levels

The guidance of BS 8233: 2014, with regards to external amenity spaces, is as follows:

"For traditional external areas that are used for amenity space, such as gardens and patios, it is desirable that the external noise level does not exceed 50 dB $L_{Aeq,T}$, with an upper guideline value of 55 dB $L_{Aeq,T}$ which would be acceptable in noisier environments. However, it is also recognized that these guideline values are not achievable in all circumstances where development might be desirable. In higher noise areas, such as city centres or urban areas adjoining the strategic transport network, a compromise between elevated noise levels and other factors, such as the convenience of living in these locations or making efficient use of land resources to ensure development needs can be met, might be warranted. In such a situation, development should be designed to achieve the lowest practicable levels in these external amenity spaces, but should not be prohibited."

5.5 Adopted Criteria

British Standard 8233: 2014 gives recommendations for acceptable internal noise levels in residential properties. Assuming worst case conditions, of the closest window being for a bedroom, BS 8233: 2014 recommends $L_{Aeq;16hr}$ 35 dB(A) as being acceptable internal resting conditions during daytime.

With loudest external levels of 50 dB(A) at the nearest residential facade, acceptable internal conditions would be met by taking the attenuation of the window itself into consideration. According to BS 8233: 2014, a typical building facade with a partially open window offers 15 dB attenuation, resulting in an internal level of 35 dB(A).

As this is comparable to the AGP guidance, 50 dB(A) will also be adopted as the criterion to be achieved at residential facades.

As the guidance of BS 8233: 2014 for external amenity space is comparable to that of APG, we would recommend the lower guideline value of $L_{Aeq,T}$ 50 dB(A) would be an appropriate target to achieve in outdoor garden areas.

6.0 DESCRIPTION OF PROPOSALS

6.1 Anticipated Activities

The measurement results described in Section 4.1 were taken of an existing Padel Court with a doubles game under way. The measurements include talking, running and the sound of the ball hitting the racket and hitting the fence.

A seven-minute measurement of a Padel Court game provided a source noise level of L_{Aeq} 61 dB(A) at 4 m from the edge of the court. The measurement at 4 m is considered the most representative way to consider noise propagation away from the Padel Court.

It should be noted that measurements were taken at the open side, where mesh entrance doors are the only barrier into the Court. Other sides of the Court benefit from glass or canopy screening. By assuming the measured levels are apparent at all sides of the proposed Courts, a particularly robust assessment will be presented.

Measured spectral levels at Position 2 are shown in Table 6.1.

Noise Source	Sound Pressure Levels (at 1 meter, dB) in each Frequency Band								dB(A)
	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	
Padel Courts	54	53	55	57	58	53	47	38	61

Table 6.1: Padel Court Source Noise Measurement

6.2 Receiver Description

Two houses on Elm Road have been identified as the nearest affected residential receivers, as described in Table 6.2. These nearest noise sensitive receivers were identified through site plans and on-site observations.

Receiver Number	Description
1	Rear gardens and facades of 29 & 31 Elm Road - The closest part of the garden is 23 m from the closest point of the Padel Court - The closest façade is 33 m from the closest point of the Padel Court
2	Front garden and side facade of 33 Elm Road - The closest part of the garden is 41 m from the closest point of the Padel Court - The closest façade is 45 m from the closest point of the Padel Court

Table 6.2: Noise levels and criterion at noise sensitive receivers

29 & 31 Elm Road comprise ground floor and first floor flats in the position marked as Receiver 1 in attached site plan 16764-NIA-02-SP1. The boundary to the rear garden in this location comprises a hedge, which would not be expected to provide any meaningful acoustic attenuation.

Additional screening is recommended to protect rear garden areas to 29 & 31 Elm Road that face the proposed courts.

The proposed barrier location is shown in Figure 6.1, marked in a yellow line.

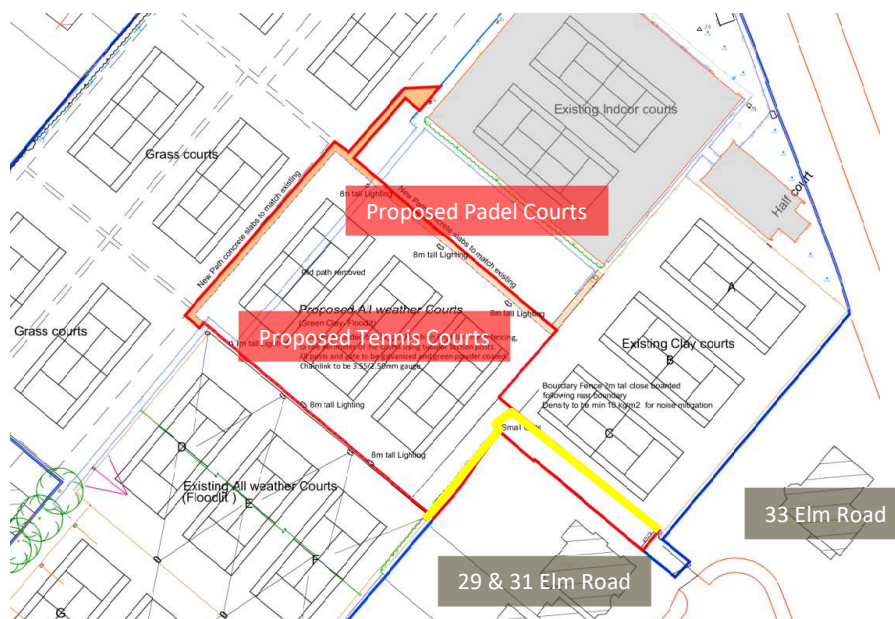


Figure 6.1: Plan view showing proposed barrier position

We would recommend a 2 m tall barrier in the position shown. The barrier should be imperforate, with no gaps around the perimeter, including between the foot of the wall and the ground below. When gates or doors are closed, a tight seal should be achieved.

The barrier should be formed of a solid material with a minimum density of 10 kg/m².

It is understood the site boundary to 33 Elm Road does not have any solid screening and the preference is to avoid adding any screening in this area.

6.3 3D Noise Map Model

In order to assess the noise impact of proposed courts, noise emissions have been assessed by developing a noise map.

The noise model was constructed using the proprietary noise modelling software package CadnaA. The noise model was constructed utilising the following assumptions and parameters:

- Noise source height is 1.5 m above ground,
- Proposed barrier is present, at the site boundaries described in Section 6.2,
 - Height of the proposed barrier is 2 m,
- Garden Assessment:
 - Receiver 1 is 1.5 m above ground in rear garden of 29 & 31 Elm Road,
 - Receiver 2 is 1.5 m above ground in front garden of 33 Elm Road,
- Façade Assessment:
 - Receiver 1A is 1.5 m above ground on rear façade of 29 & 31 Elm Road
 - Receiver 1B is 4 m above ground on rear façade of 29 & 31 Elm Road,
 - Receiver 2 is 4 m above ground on side façade of 33 Elm Road
- Topography of the site is flat and level.

Calculations are performed over single octave bands from 63 Hz to 8 kHz.

Figure 6.2 visually represents the modelled Padel court development.



Figure 6.2: 3D view of noise mapping model

7.0 NOISE IMPACT ASSESSMENT

Receiver levels have been calculated using the constructed noise model, with receiver positions placed as shown in Figure 7.1.

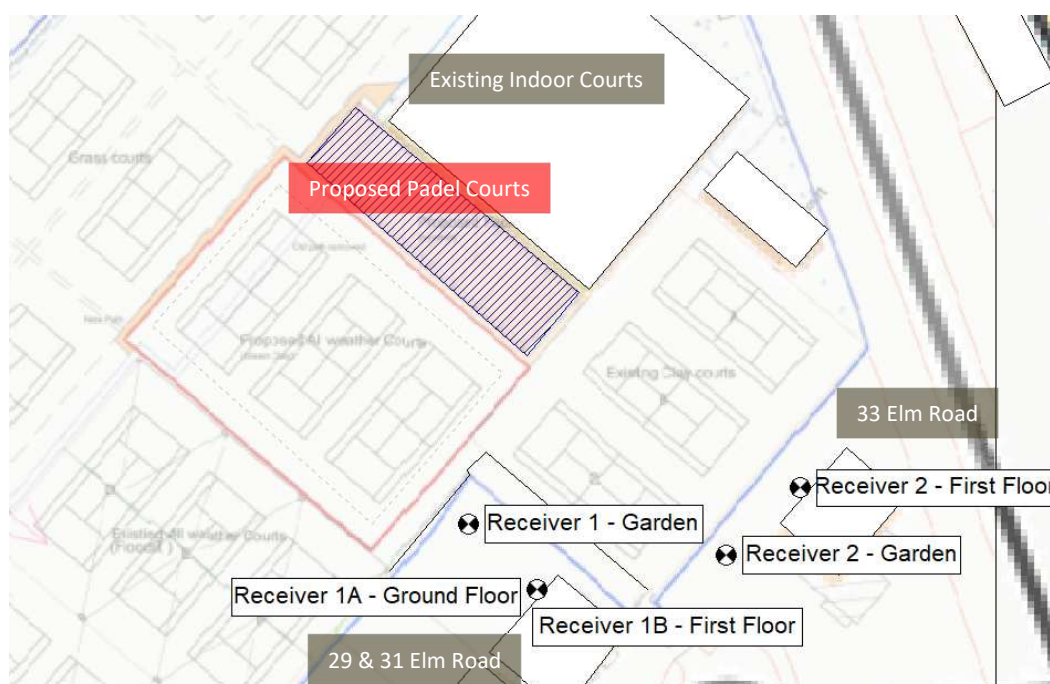


Figure 7.1: 2D View of noise map and receivers

7.1 Garden Noise Impact Assessment

Calculations have been undertaken for the Padel Courts in constant use. Calculated garden noise emission levels due to the noise emission levels are shown in Table 7.1.

Receiver	Recommended Criterion	Noise Level at Receiver (due to sports pitches)
1 - Garden (29 & 31 Elm Road)	$L_{Aeq,t}$ 50 dB(A)	$L_{Aeq,t}$ 44 dB(A)
2 - Garden (33 Elm Road)		$L_{Aeq,t}$ 45 dB(A)

Table 7.1: Noise levels and criterion at noise sensitive receivers – gardens

As shown in Table 7.1, the distance and proposed screening to the residential gardens is expected to sufficiently reduce noise emissions due to the Padel Courts, to the point where it would be below the recommended criterion at all receivers.

7.2 Façade Noise Impact Assessment

Further calculations have been undertaken to assess whether the noise emissions from the proposed courts would be expected to meet recognised British Standard recommendations, in order to further ensure the amenity of nearby noise sensitive receivers.

Calculated façade noise emission levels due to Padel Court noise emissions are shown in Table 7.2.

Receiver	Recommended Criterion	Noise Level at Receiver (due to sports pitches)
1A – Ground Floor (29 & 31 Elm Road)		$L_{Aeq,t}$ 43 dB(A)
1B – First Floor (29 & 31 Elm Road)	$L_{Aeq,t}$ 50 dB(A)	$L_{Aeq,t}$ 47 dB(A)
2 – First Floor (33 Elm Road)		$L_{Aeq,t}$ 46 dB(A)

Table 7.2: Noise levels and criterion at noise sensitive receivers – facades

As shown in Table 7.2, the distance to the residential facades and proposed screen are expected to sufficiently reduce noise emissions due to the Padel Courts, to the point where it would be below the recommended criterion at all receivers.

8.0 CUMULATIVE ASSESSMENT

As described in Section 2.0, wider proposals also include the provision of additional all-weather tennis courts. Detailed noise impact calculations are presented in Clement Acoustics report 16764-NIA-03, which accompanies the tennis court application.

Cumulative receiver noise levels have also been calculated using the constructed noise model and the source noise levels detailed in this report and report 16764-NIA-03, assuming all proposed Padel and tennis courts in simultaneous use. The calculated noise levels at the identified receivers are summarised in Table 8.1.

Receiver	Recommended Criterion	Noise Level at Receiver (due to sports pitches)
1 - Garden (29 & 31 Elm Road)		$L_{Aeq,t}$ 47 dB(A)
2 - Garden (33 Elm Road)		$L_{Aeq,t}$ 47 dB(A)
1A – Ground Floor (29 & 31 Elm Road)	$L_{Aeq,t}$ 50 dB(A)	$L_{Aeq,t}$ 45 dB(A)
1B – First Floor (29 & 31 Elm Road)		$L_{Aeq,t}$ 49 dB(A)
2 – First Floor (33 Elm Road)		$L_{Aeq,t}$ 47 dB(A)

Table 8.1: Cumulative noise levels and criterion at all receivers due to Padel and tennis applications

As shown in Table 8.1, the distance and screening to the residential gardens and facades is expected to sufficiently reduce noise emissions due to the cumulative effects of proposed Padel and tennis courts, to the point where it would comply with the criterion at all receivers.

9.0 CONCLUSION

Attended noise measurements have been undertaken at The Northern, West Didsbury, Manchester. Criteria have been set for noise emissions arising from the use of two proposed covered Padel Courts, based on the set requirements of relevant guidance documents and standards.

Calculations according to the guidance from the relevant documents indicate that internal and external noise levels are expected to comply with relevant criteria.

Further calculations have demonstrated that the cumulative effects of noise from this Padel Court application and another tennis court application would also comply with the criteria.

Author **Duncan Martin**
Director
BSc (Hons) MIOA



29 November 2022



GLOSSARY OF ACOUSTIC TERMINOLOGY

dB(A)

The human ear is less sensitive to low (below 125Hz) and high (above 16kHz) frequency sounds. A sound level meter duplicates the ear's variable sensitivity to sound of different frequencies. This is achieved by building a filter into the instrument with a similar frequency response to that of the ear. This is called an A-weighting filter. Measurements of sound made with this filter are called A-weighted sound level measurements and the unit is dB(A).

L_{eq}

The sound from noise sources often fluctuates widely during a given period of time. An average value can be measured, the equivalent sound pressure level L_{eq} . The L_{eq} is the equivalent sound level which would deliver the same sound energy as the actual fluctuating sound measured in the same time period.

L_{10}

This is the level exceeded for not more than 10% of the time. This parameter is often used as a "not to exceed" criterion for noise

L_{90}

This is the level exceeded for not more than 90% of the time. This parameter is often used as a descriptor of "background noise" for environmental impact studies.

L_{max}

This is the maximum sound pressure level that has been measured over a period.

Octave Bands

In order to completely determine the composition of a sound it is necessary to determine the sound level at each frequency individually. Usually, values are stated in octave bands. The audible frequency region is divided into 10 such octave bands whose centre frequencies are defined in accordance with international standards.

Addition of noise from several sources

Noise from different sound sources combines to produce a sound level higher than that from any individual source. Two equally intense sound sources operating together produce a sound level which is 3dB higher than one alone and 10 sources produce a 10 dB higher sound level.

Attenuation by distance

Sound which propagates from a point source in free air attenuates by 6dB for each doubling of distance from the noise source. Sound energy from line sources (e.g. stream of cars) drops off by 3 dB for each doubling of distance.

Subjective impression of noise

Sound intensity is not perceived directly at the ear; rather it is transferred by the complex hearing mechanism to the brain where acoustic sensations can be interpreted as loudness. This makes hearing perception highly individualised. Sensitivity to noise also depends on frequency content, time of occurrence, duration of sound and psychological factors such as emotion and expectations. The following table is a reasonable guide to help explain increases or decreases in sound levels for many acoustic scenarios.

Change in sound level (dB)	Change in perceived loudness
1	Imperceptible
3	Just barely perceptible
6	Clearly noticeable
10	About twice as loud
20	About 4 times as loud

Barriers

Outdoor barriers can be used to reduce environmental noises, such as traffic noise. The effectiveness of barriers is dependent on factors such as its distance from the noise source and the receiver, its height and its construction.

Reverberation control

When sound falls on the surfaces of a room, part of its energy is absorbed and part is reflected back into the room. The amount of reflected sound defines the reverberation of a room, a characteristic that is critical for spaces of different uses as it can affect the quality of audio signals such as speech or music. Excess reverberation in a room can be controlled by the effective use of sound-absorbing treatment on the surfaces, such as fibrous ceiling boards, curtains and carpets.

APPENDIX B- Raw Measurement Data

Position 1 Data

Date & time	P1 (A, Lin) LAeq [dB]	1/1 Octave LZeq [dB] 63 Hz	1/1 Octave LZeq [dB] 125 Hz	1/1 Octave LZeq [dB] 250 Hz	1/1 Octave LZeq [dB] 500 Hz	1/1 Octave LZeq [dB] 1000 Hz	1/1 Octave LZeq [dB] 2000 Hz	1/1 Octave LZeq [dB] 4000 Hz	1/1 Octave LZeq [dB] 8000 Hz
25/11/2022 11:13:47	78.6	49.8	61	66.1	78.6	73.8	68.1	59.4	46.1
25/11/2022 11:13:48	76.1	50.6	60.9	76.1	76.2	68.2	68.3	58	50.3
25/11/2022 11:13:49	75.4	52.8	68.6	76.9	76.7	61.9	69.4	56.8	51.9
25/11/2022 11:13:50	54.7	53	47.1	51	55.1	48.8	45.9	39.4	35.3
25/11/2022 11:13:51	63.1	50.3	53.6	61.4	63.2	56.5	55.6	45.2	36.3
25/11/2022 11:13:52	68.3	56.1	71.3	73.9	65.7	57.1	56.3	44.9	34.9
25/11/2022 11:13:53	56.3	50.7	48.9	50.3	55.7	50.6	49.4	41.7	34.7
25/11/2022 11:13:54	53.8	50.7	50.6	60.9	46.8	45.1	45.4	39	32.3
25/11/2022 11:13:55	56.9	52.6	47.7	50.8	55.2	50.4	51.8	42.7	36.1
25/11/2022 11:13:56	63	51	50.8	57	64.1	55.5	56.3	46.5	37.7
25/11/2022 11:13:57	65.7	48.6	48.1	56.7	66.8	60	56.5	47.3	40
25/11/2022 11:13:58	65.4	50.1	48	58.1	65.3	60.1	58	45.6	33.4
25/11/2022 11:13:59	65.8	50.3	62.1	63.5	65.5	57.6	59.7	48.3	39.4
25/11/2022 11:14:00	77.3	52.2	68.3	71.3	75.9	68.6	73.1	62	47.2
25/11/2022 11:14:01	54.2	49.4	50.8	55.1	50.5	46.2	49.7	41.2	34.1
25/11/2022 11:14:02	58.9	51.3	64.7	65.4	53.9	49.8	46.3	40.6	32.3
25/11/2022 11:14:03	47.9	49.8	49.6	45	44.1	42.3	42.1	36.2	29.2
25/11/2022 11:14:04	62.9	54.3	56.8	59.8	56	58.5	57.8	50.7	37.7
25/11/2022 11:14:05	74.4	56.1	60.7	70.1	72.9	70.8	65.1	58.3	45.5
25/11/2022 11:14:06	74.4	52.8	61	65.5	68.9	73.2	65.1	56.8	46.1
25/11/2022 11:14:07	63.1	53.7	58.5	61.2	57	60.1	55.4	52.2	44.3
25/11/2022 11:14:08	51.3	52.3	45.7	43.5	44	43.8	41.9	44.4	38.5
25/11/2022 11:14:09	53.9	51	48.5	51.9	49.3	47.7	48.5	43.3	38.2
25/11/2022 11:14:10	62.9	52.5	50.4	50.4	56.5	61.7	51.5	48.8	45
25/11/2022 11:14:11	62.4	51	55.6	52.3	60.1	58.6	54.6	49.2	41.6
25/11/2022 11:14:12	54.6	50	53.9	51.5	53.2	50.2	44.9	40	37.5
25/11/2022 11:14:13	50.9	49.4	48	47.1	51	45.7	39.9	36.5	31
25/11/2022 11:14:14	47.4	49.9	43	41.4	44.3	41.7	40.3	37.7	32.2
25/11/2022 11:14:15	54	47.8	51.3	49.3	54.4	47.3	45	38.1	30.7
25/11/2022 11:14:16	49.7	52.3	46.9	51.5	48.5	40.6	42.9	40.6	33.1
25/11/2022 11:14:17	47.9	49.9	44.5	42.5	42.7	43.1	41.4	39.2	35.2
25/11/2022 11:14:18	45.4	48.3	43.9	41.8	42.6	40.9	37.7	34.9	29.3
25/11/2022 11:14:19	64.9	54.9	55.8	61.7	61.6	60.6	58.9	52.2	42.6
25/11/2022 11:14:20	52.8	48.5	47.2	47.5	47.2	49.3	46.7	41.5	36.3
25/11/2022 11:14:21	61.3	49.2	52.6	53.3	58.5	59.6	47.4	46.3	37.7
25/11/2022 11:14:22	51.9	46.7	49.9	46	49.9	46.2	44.9	41.2	35.8
25/11/2022 11:14:23	52.7	47.8	50.6	47.5	53.2	46.6	43	39.2	30.8
25/11/2022 11:14:24	59.4	54	51.6	50.1	57.2	56.4	49.8	44.5	29.2
25/11/2022 11:14:25	54.3	48	50.2	47.5	54.4	49.9	41.7	36.7	23.4
25/11/2022 11:14:26	62.9	54.6	55.5	60	58.5	60.3	54.7	49.4	38.9
25/11/2022 11:14:27	62.5	48.7	54.1	52	53.6	56.2	56.9	56.3	49.5
25/11/2022 11:14:28	61.9	56.8	57.4	53.3	56.7	56.2	57.7	50.6	40.7
25/11/2022 11:14:29	53.9	52.8	52.1	46.9	55.2	47.4	40.5	36.1	29.2
25/11/2022 11:14:30	51.6	52.6	49.5	43.8	52.3	46.6	37.1	35.6	28.7
25/11/2022 11:14:31	61	52.1	55.8	56.7	55.9	57	55.7	45.9	34.1
25/11/2022 11:14:32	62	54.9	51.6	53.8	57.9	54.7	58.5	49.1	40.9
25/11/2022 11:14:33	63.2	51.6	55.8	58.9	59	59.4	57.4	48.3	36.9
25/11/2022 11:14:34	50.5	53.3	47.8	45.7	46	47.3	43.8	33.1	24
25/11/2022 11:14:35	52.6	53.9	53.5	52.5	49.3	48.7	44.8	35.5	25.5
25/11/2022 11:14:36	53.4	53.4	48.2	43.6	47.9	50.9	45.8	39.7	31.3
25/11/2022 11:14:37	54.6	52.8	50	43.1	49.2	50.8	48.8	42.9	33
25/11/2022 11:14:38	51.3	56	49.8	42.8	46.2	47.9	44.8	38.5	28.6
25/11/2022 11:14:39	45.8	53.5	47	42.7	45.2	40.1	35.6	32.6	27.3
25/11/2022 11:14:40	45.7	51.9	45.9	40.1	41.7	41.1	38.2	35.9	33.6
25/11/2022 11:14:41	43	50.7	43.4	39.8	40.2	39.2	34.4	30.8	25.3
25/11/2022 11:14:42	43	53.6	47.6	40.3	39.7	38.4	34.2	32.4	27.6
25/11/2022 11:14:43	42.1	49.2	42.1	40.4	39.8	38.4	32	27.9	22.9
25/11/2022 11:14:44	62.7	51.9	56.5	61.1	57.6	60.4	53.6	49	37.3
25/11/2022 11:14:45	70.6	49.6	59.9	64.3	67.2	66.9	64.3	54.3	44.7
25/11/2022 11:14:46	67.1	53.3	56.9	65.2	64.1	64.1	59.5	51.1	40
25/11/2022 11:14:47	52.1	56.4	53.7	51.3	48.1	47.6	44.7	39.8	34.8
25/11/2022 11:14:48	61.4	50.5	55.4	59	55.9	59.1	53.1	47.5	39.6

25/11/2022 11:14:49	54.8	48.6	45.8	43.6	47.7	48.4	49.4	47.5	42.2
25/11/2022 11:14:50	69.9	55.9	60.6	63.2	67.4	66.5	62	56.4	45
25/11/2022 11:14:51	63.2	52	54.1	56.6	59	60.7	55.3	49.3	42.3
25/11/2022 11:14:52	72.6	56.5	60.3	64.9	62.2	69.2	67.7	59	48.3
25/11/2022 11:14:53	73.3	52.9	52.2	55.3	71.7	70.7	59	55.6	41.5
25/11/2022 11:14:54	75	58.8	55.2	59.6	70.5	73.8	62.1	58.8	42.4
25/11/2022 11:14:55	62.3	56.1	53.1	53.1	60.4	60	49.2	44.8	34
25/11/2022 11:14:56	63.7	51.3	56.6	55.4	64.1	58.8	53.9	46	34.9
25/11/2022 11:14:57	65.4	51.4	55.4	57.4	63.5	62.7	53.9	44.6	34.3
25/11/2022 11:14:58	64.5	50.5	51.5	58.3	62.9	58.9	59.3	47.6	37.7
25/11/2022 11:14:59	61.3	49.2	51.5	53.1	59.9	56.6	54.4	43.1	38
25/11/2022 11:15:00	62	48.7	48.2	52.5	59	59.3	53.7	47.1	38.3
25/11/2022 11:15:01	56.3	51.6	46.6	48.7	55.8	47.4	50.6	44.1	35.7
25/11/2022 11:15:02	48	57.7	48.9	44.4	42.8	41.4	41.9	39.9	34
25/11/2022 11:15:03	51.5	54	46	44.9	45.8	45.5	45.7	43.7	39.1
25/11/2022 11:15:04	43.8	48.8	43.5	41.5	40.2	40	35.6	32.2	26.6
25/11/2022 11:15:05	63.9	55.2	55.2	60.6	59.7	60.8	56.7	50.4	38.2
25/11/2022 11:15:06	55.1	50.3	44.8	45.3	43	46.6	44.7	45.9	41.2
25/11/2022 11:15:07	65.4	53	59.9	64.6	62.4	63.3	54.6	48.6	38.5
25/11/2022 11:15:08	52.7	50.5	46.6	50.7	45.7	47.1	46	44.6	40.6
25/11/2022 11:15:09	69.5	55.2	59.3	60.8	63.6	67	62.3	56.4	46.9
25/11/2022 11:15:10	65.4	50.9	59	62	59.6	61.8	59.4	52.8	46.1
25/11/2022 11:15:11	50.3	47.3	42.7	42.1	42.8	46.1	44.2	41.5	37
25/11/2022 11:15:12	56.5	49.3	47.3	48.9	48.1	50.5	50.8	49.2	46.9
25/11/2022 11:15:13	67.7	53	57.1	60.2	63.7	64	61.5	54.3	46.2
25/11/2022 11:15:14	65	50.2	55.2	60.8	61.8	62.9	54.5	50.8	42.3
25/11/2022 11:15:15	62.4	49	52.1	51.6	61.2	59	53.6	46.2	33.8
25/11/2022 11:15:16	52.9	49.3	50.5	51.7	53.2	45.5	45.1	40.2	30.8
25/11/2022 11:15:17	49.7	48.1	43.6	46.3	48.9	44.8	41.8	36.6	31.1
25/11/2022 11:15:18	51.1	47.2	49.4	49.8	50.2	45.8	42.9	37.1	30.7
25/11/2022 11:15:19	47.5	47.3	41	40.8	44.8	41.6	40.9	38.4	34
25/11/2022 11:15:20	50.7	47.4	45.8	40.7	45.4	47.2	44.5	38.8	30.6
25/11/2022 11:15:21	49.3	48.3	40.7	39.1	43.8	45.7	43	38.2	33.6
25/11/2022 11:15:22	48.1	48	42.1	38.5	42.7	44.8	41.6	36.8	29.2
25/11/2022 11:15:23	44.8	48.3	48.8	43.4	43.4	40.3	35	30.2	27.2
25/11/2022 11:15:24	63	53.5	58	60.7	58.2	58.3	57.2	51.2	41.7
25/11/2022 11:15:25	65.8	58.5	57.4	61.4	62.2	61.5	59.5	55.3	45.8
25/11/2022 11:15:26	55.4	48.6	48.9	48.8	55.4	48.9	47.2	42.4	35.7
25/11/2022 11:15:27	60.1	48	50.7	50	61.1	51.5	51.4	47.6	38.6
25/11/2022 11:15:28	46.2	49.3	44.3	41.6	42.2	42.3	38.9	34.9	29.4
25/11/2022 11:15:29	50.9	49.5	44.9	45.9	45.3	47.9	43.6	39.1	33.3
25/11/2022 11:15:30	55.9	49	48.9	52.2	48.7	53.1	49.6	39.9	30.4
25/11/2022 11:15:31	46.8	50.1	46.5	45.3	43.6	43.2	37.7	33.5	30.3
25/11/2022 11:15:32	52.1	48.5	41.2	40	44.5	48.7	46	42	36
25/11/2022 11:15:33	58.1	48.7	41.8	41.6	48.8	52.6	53	50.6	43.2
25/11/2022 11:15:34	49.3	48.3	43.6	41.6	45.2	43.3	43.8	40.4	34.5
25/11/2022 11:15:35	68	55.2	55.9	62	61.8	65.2	61.7	54.1	42.7
25/11/2022 11:15:36	65.8	50.9	57.6	61.2	63	62.4	55.3	55	45.1
25/11/2022 11:15:37	57	48.4	44	45.5	53.7	53	50.2	45.3	35.5
25/11/2022 11:15:38	52.4	45.9	42.8	41.1	46	47.8	46.6	43.7	38.2
25/11/2022 11:15:39	51.8	48.5	44.5	41.4	45.5	44.9	46.9	44.2	39.1
25/11/2022 11:15:40	48.4	48.1	43.3	41.7	42.8	42.3	42.6	40.5	37.1
25/11/2022 11:15:41	49.5	48.9	43.8	41.7	46.3	45.2	42.4	38.5	34.1
25/11/2022 11:15:42	55	49.5	51.2	47.4	53.4	52.3	43.3	41.3	38.3
25/11/2022 11:15:43	53.3	52.2	47.6	47.3	52.8	49.2	41.2	40.3	37.6
25/11/2022 11:15:44	54.9	49.4	51.5	50.3	55.9	45.9	45.5	41.7	38.8
25/11/2022 11:15:45	55.4	48.9	48.6	50.9	55.3	49.4	47.3	41.9	38.3
25/11/2022 11:15:46	65.9	55.5	55.3	61.4	61.5	63.8	56.3	51	38.1
25/11/2022 11:15:47	59.5	53.1	60	62.2	56.7	52.9	51.2	46.9	42.7
25/11/2022 11:15:48	74.3	55.5	61	65.6	70.3	71.4	67.6	58.7	50.3
25/11/2022 11:15:49	69.1	56.4	58.6	61.6	63.2	67.3	60.8	54.7	44.1
25/11/2022 11:15:50	56.9	63.1	58	55.4	53	51.6	50.5	45.8	40.5
25/11/2022 11:15:51	51.7	50.4	49.2	50.2	46.2	46.8	45.6	40.9	36.2
25/11/2022 11:15:52	52.5	47.2	49.2	47.5	52	47.4	44.8	36.3	28
25/11/2022 11:15:53	61.5	51.4	56.9	57.1	54.9	57.8	56.6	45.1	33.6
25/11/2022 11:15:54	56.6	49.1	51.5	54.4	53.6	52.7	49.1	45.3	37.9
25/11/2022 11:15:55	49.9	49.2	46	48.9	45.2	45.2	43	40	33.2
25/11/2022 11:15:56	49.6	49.1	44.8	40.8	44.2	46.3	42.6	38.8	34.9
25/11/2022 11:15:57	45.3	50	42.8	40.1	42.2	42	37.1	31.8	25.9
25/11/2022 11:15:58	45.7	49	43.9	40.5	43.8	42.4	35.5	30.4	23.7
25/11/2022 11:15:59	46.5	48.8	43.9	42.1	44.6	43.1	37.3	31.5	25.1

25/11/2022 11:16:00	68.5	53.4	57.9	61.1	59.1	66.3	61.6	54.3	44.4
25/11/2022 11:16:01	54.2	52.1	47.6	44.2	45.6	49.7	48.5	44.3	39.9
25/11/2022 11:16:02	47.1	50.4	44.6	40.8	43.6	43.1	39	36.8	32.9
25/11/2022 11:16:03	47.2	48.5	47.2	50.2	45.2	42.3	35.7	30.2	24.4
25/11/2022 11:16:04	49.2	49.1	42.6	41.7	43.8	45.6	43	38.1	28.9
25/11/2022 11:16:05	61.6	51.7	55.8	58.7	53.9	57.8	56.1	49.2	39.6
25/11/2022 11:16:06	73.4	55.6	63.3	70.4	72.4	69.2	64.6	57	45.4
25/11/2022 11:16:07	53.1	56.5	54.8	50.7	46.8	48.8	46.7	42	35.2
25/11/2022 11:16:08	63.3	56.7	56.7	58.2	54.7	61.5	54.7	50.5	40.6
25/11/2022 11:16:09	54.5	57	54.4	50.6	46.2	50.2	48.2	44.1	40.3
25/11/2022 11:16:10	65	63.4	60.8	60	58.4	61.6	58.9	52.6	44.5
25/11/2022 11:16:11	54.3	60	55.4	52.6	48.5	49.5	48.2	43.3	36.7
25/11/2022 11:16:12	62.8	53.1	54.9	57.4	55.7	60.5	55.8	48	36.5
25/11/2022 11:16:13	72.3	53.5	61.5	67.4	68.3	70	63.3	56.7	47.4
25/11/2022 11:16:14	67.6	52.2	60.5	64.6	63.6	63.7	60.9	54.1	45.1
25/11/2022 11:16:15	64.6	49.8	52.8	56.7	60.5	62.4	56.1	50	37.8
25/11/2022 11:16:16	54.9	51.5	51.6	50.5	51.4	50.5	47.4	43.2	40.8
25/11/2022 11:16:17	63.7	54.2	54.7	57.6	53.9	60.5	58.5	49.8	39.1
25/11/2022 11:16:18	50	48.5	43.8	40.9	48.2	45.7	41.1	38.4	35
25/11/2022 11:16:19	52.5	47.1	48	53.2	49.8	48.3	43.9	35.9	28.8
25/11/2022 11:16:20	49.9	49.8	45.9	48.8	47.9	45.4	42.2	35.9	31.8
25/11/2022 11:16:21	72.3	53.7	57.9	62	66.9	70.2	64.5	57.8	46.2
25/11/2022 11:16:22	71.8	53.6	61	64.8	68.1	69.6	62.5	56.9	46.6
25/11/2022 11:16:23	64.1	52.5	57.8	60.1	58.5	61.6	55.7	50.7	38.2
25/11/2022 11:16:24	63.5	51.7	52.7	54.8	56	61.7	56	50.1	38.5
25/11/2022 11:16:25	66.5	50.8	56.5	62.4	60.6	62.1	61.7	52.4	41.1
25/11/2022 11:16:26	77.3	56.4	61.1	67.1	74.3	74.2	70.3	62.6	55.2
25/11/2022 11:16:27	59.4	65.1	64.7	57	53.1	55	53	47.9	38.4
25/11/2022 11:16:28	49.6	54.5	47.4	44.4	47.5	44.4	41.2	39.7	32.6
25/11/2022 11:16:29	59.2	53.1	47.6	49.5	60.2	53.5	48.5	41.6	31.4
25/11/2022 11:16:30	59.1	50.2	50.5	48.9	57.1	54.9	50.8	48.4	37.4
25/11/2022 11:16:31	51.1	48.5	49	46.7	49.9	45.8	43.8	37.8	26.6
25/11/2022 11:16:32	49.4	47.9	44	43.5	48	44.6	41.8	37.2	29
25/11/2022 11:16:33	57.3	49.3	51.5	56.7	56.5	51.5	49.7	37	30.3
25/11/2022 11:16:34	52	48.9	48.3	51.5	50.4	45.5	45	39.9	33.4
25/11/2022 11:16:35	56.6	48.6	48.6	45.3	53.8	55	44.9	40.8	36.5
25/11/2022 11:16:36	61	51.7	52.9	54.9	62.8	51.1	51.6	44.6	37.8
25/11/2022 11:16:37	56.3	48.9	51.2	52.4	57.9	49.1	46.4	38.3	28.9
25/11/2022 11:16:38	55.7	51.1	49.8	49.3	56.2	48.1	47.9	38	29.5
25/11/2022 11:16:39	49.8	50.4	48.6	51.3	44.8	45.1	42.6	36.3	29.4
25/11/2022 11:16:40	45.7	49.1	41.4	39.9	40	41	38.8	37.5	32.2
25/11/2022 11:16:41	44.3	48.2	41.6	39.5	39.7	40.1	37.2	34.7	29.3
25/11/2022 11:16:42	44.7	53.9	52.9	45.4	39.2	40.4	35.4	31.4	26.7
25/11/2022 11:16:43	45.1	48.3	42.7	43.2	45.3	39.6	34.6	32	27.5
25/11/2022 11:16:44	44	48.3	43.3	40	40.5	39.5	36	34.3	30.1
25/11/2022 11:16:45	49.2	51.3	47	47.2	45.3	44.2	42.4	38.9	32.5
25/11/2022 11:16:46	52.5	54.5	48.7	47.6	46.2	46.8	47	43.9	38.3
25/11/2022 11:16:47	53.7	47.5	42.4	41.5	44.6	45.8	48.1	48.3	41.2
25/11/2022 11:16:48	65.9	52.1	59.2	63.4	60.5	64	56.2	49.8	36.6
25/11/2022 11:16:49	57.5	55.5	54.7	48.8	48.8	51	52	51	45.1
25/11/2022 11:16:50	67.6	58.1	58	62.7	62.4	65.6	58.5	54.1	46.7
25/11/2022 11:16:51	52.2	50.5	47.4	45.7	51.6	45.6	43.8	41.8	36.4
25/11/2022 11:16:52	54.7	54.5	51.7	53	50.3	49.1	48.3	45.2	41
25/11/2022 11:16:53	62	53.4	56.8	57.1	58.8	58.8	54.5	47.9	36.8
25/11/2022 11:16:54	48.9	51.1	45.4	41.2	41.9	42.8	43.3	41.7	34.8
25/11/2022 11:16:55	54.4	50	48.9	53.3	51.8	49.6	47.6	40.9	34.8
25/11/2022 11:16:56	60.4	54.2	55.4	59.6	53.3	57.6	51.9	48.1	41.6
25/11/2022 11:16:57	60	53.7	52.8	55.7	54.2	56.2	53.3	50.6	41.7
25/11/2022 11:16:58	73.6	56.1	62	67.5	67.9	71.8	64.5	59	48.3
25/11/2022 11:16:59	56.2	52.2	46.3	42.5	47.1	50.3	51.4	48.4	42.2
25/11/2022 11:17:00	58.7	50.6	45.5	49.4	52.7	49.3	53.7	45.8	38.9
25/11/2022 11:17:01	60.2	52.7	46.7	51.7	56	52.3	56.9	48.2	39.8
25/11/2022 11:17:02	58.9	51.5	47.9	50.9	55.3	50.6	55.3	47	41
25/11/2022 11:17:03	50.7	51.3	45.4	40.7	44.8	44.5	45.7	42.6	35.3
25/11/2022 11:17:04	51.5	49.6	48.8	50.1	46.3	47.3	45.6	36.7	29.1
25/11/2022 11:17:05	49.8	50.7	47.7	49.5	45.5	46.4	42.2	34.1	27.6
25/11/2022 11:17:06	49.4	50.8	47.2	47.9	47.1	45.3	41	33.6	28.1
25/11/2022 11:17:07	62.2	51	50.2	56.7	60.4	56.3	57.3	46.2	38
25/11/2022 11:17:08	46.9	51	43.7	40.9	42.8	42.2	39.2	38.7	34
25/11/2022 11:17:09	46.5	50.7	43.9	45.1	44.2	42.8	38.1	30.3	26
25/11/2022 11:17:10	68.7	52.7	60.6	65.7	64.7	66.8	59.1	51	41

25/11/2022 11:17:11	69.3	55.3	60.1	64.8	63.4	66.7	62.1	57	46.3
25/11/2022 11:17:12	77.5	55.4	62.9	69.8	74.3	76	65.8	60.7	49.6
25/11/2022 11:17:13	68.8	52.5	59.7	63.7	62.2	67.2	60	54	42.5
25/11/2022 11:17:14	68.5	52.2	53.5	61.8	64	64.9	62.4	55.1	47
25/11/2022 11:17:15	66.1	51.1	57.4	61.1	60.5	62.6	60.7	53.2	44.3
25/11/2022 11:17:16	74.1	53.2	62.1	64.1	69.5	72.2	65.3	58.7	48
25/11/2022 11:17:17	60.7	56.8	56.7	55.9	50.8	54.9	56.1	52.3	44.6
25/11/2022 11:17:18	62.8	53	56.6	58.7	58.8	60.1	54.5	48.5	39.7
25/11/2022 11:17:19	70.5	53	61.3	64.7	62.6	68.7	62.9	56.2	43.1
25/11/2022 11:17:20	64.7	52	59.4	64	61.1	61.2	56.8	51.4	43.2
25/11/2022 11:17:21	57.4	49.5	49.3	53.1	53.1	54.4	49.7	45.1	39.5
25/11/2022 11:17:22	62.6	47.3	50.6	62.2	62.4	54.9	53.8	47.7	40.5
25/11/2022 11:17:23	61.6	51	55.9	61.6	62.1	54.5	51.9	41.6	31.6
25/11/2022 11:17:24	62.2	54	59.9	63.2	59.1	56.9	54.4	50.5	38.8
25/11/2022 11:17:25	55.6	53	51.8	48.9	55.8	50.4	45.8	39.7	30.9
25/11/2022 11:17:26	51.2	47.3	48.2	43	50.4	47.5	40.9	37.7	29.4
25/11/2022 11:17:27	53	47.3	47.4	47.8	50.7	47.2	47.3	42.8	32.1
25/11/2022 11:17:28	47.2	49.1	41.3	39.1	42	42.5	41.4	37.3	31.6
25/11/2022 11:17:29	46	47.2	42.2	40.4	41.8	41.9	38.7	36.2	32.2
25/11/2022 11:17:30	53.7	51.5	47.3	45.6	55.4	43.6	43.9	40.9	34.9
25/11/2022 11:17:31	53.4	50.2	49.2	49.1	48.8	50	46.7	41.7	33.5
25/11/2022 11:17:32	49.4	51.7	44.5	46.5	43.2	45.9	42.5	38.2	32.6
25/11/2022 11:17:33	54.6	54.5	47.1	48.4	47.5	50.3	48.8	45.5	38.5
25/11/2022 11:17:34	44.8	51.4	42.6	41.2	41.2	41.1	36.9	32.7	26.7
25/11/2022 11:17:35	44.7	54.9	41.5	41.5	42.6	40.4	36.2	33.2	27.6
25/11/2022 11:17:36	64.9	54	59.1	63	62	61.3	56.3	51	42.4
25/11/2022 11:17:37	57	50.2	46.4	49.1	53.6	52.2	50	47.9	42.9
25/11/2022 11:17:38	69.4	53.6	61	63.3	65.2	65.5	63.2	55.9	46.3
25/11/2022 11:17:39	48.6	49.6	43.6	41	43.2	42.6	42.5	40.6	37.1
25/11/2022 11:17:40	58.4	50.1	48.1	53.9	51.7	50.8	53.1	51.5	46.1
25/11/2022 11:17:41	66.7	53.8	59.7	62	59.6	65.6	54.9	50.9	42
25/11/2022 11:17:42	59.5	50.5	48.7	54.3	55	57.9	49.4	44.5	38.8
25/11/2022 11:17:43	58.3	51.4	44.6	39.7	45.4	49.8	54.3	51.5	45.1
25/11/2022 11:17:44	76	53.8	62.8	65.8	72.4	74.5	64.7	58.4	46.9
25/11/2022 11:17:45	56.3	58.9	58.5	53.9	48.4	52.3	50.6	43.7	37.8
25/11/2022 11:17:46	64.8	58.1	57.7	59.7	59.9	62.4	57.4	49.3	39.9
25/11/2022 11:17:47	78.1	55.1	64.2	68.2	72.9	76.6	68.3	63.4	52.1
25/11/2022 11:17:48	49.3	52.4	45.8	41.7	45.2	45.5	42.8	38.1	30.3
25/11/2022 11:17:49	46.3	50.5	42.9	40.2	41.7	42	39.5	37	30.7
25/11/2022 11:17:50	51	50.1	49.8	42.9	46.2	44.6	44.1	44.2	38.9
25/11/2022 11:17:51	50.5	52.7	51.8	44.9	46.2	44.6	42.5	43.6	38.3
25/11/2022 11:17:52	50.3	52.4	45.4	46.6	50.5	42.6	42.7	39.5	34.7
25/11/2022 11:17:53	51.9	53.6	53.4	55.2	51.7	45	42.4	37.6	31.6
25/11/2022 11:17:54	51.6	50.7	52.3	51.3	47	47.1	44.4	39.7	37.4
25/11/2022 11:17:55	49.5	49.8	45.4	48.3	43.5	45.3	43.1	37.3	31.8
25/11/2022 11:17:56	50	50.4	44.8	46.4	43	46.2	43.8	38.5	34.2
25/11/2022 11:17:57	53.7	51.3	49.3	50.8	48.2	49.7	47.8	40.2	33.6
25/11/2022 11:17:58	46.7	50.5	44	43.9	42.7	43.1	39.3	34	28.9
25/11/2022 11:17:59	46.4	48.3	42.7	43.9	43.5	42.2	38.8	33.5	27.8
25/11/2022 11:18:00	70.1	53.8	60.2	65.4	66.2	66.9	63.3	54.4	37.8
25/11/2022 11:18:01	70.7	53.5	61.3	67.7	67.6	67.2	62.6	57.5	47.8
25/11/2022 11:18:02	75.4	57.2	65.2	67.2	71.2	72.8	67.6	61.2	49.3
25/11/2022 11:18:03	65.5	53.4	56.8	60.7	59.8	62.5	58.4	54	44.9
25/11/2022 11:18:04	51.4	53	45.7	42.8	44.7	46.6	44.8	43.4	40.9
25/11/2022 11:18:05	71.4	54.4	60.4	64.1	65.5	69.7	63	54.5	45.7
25/11/2022 11:18:06	69.4	54.9	59.7	64.3	66.5	66.1	61.9	53	41.6
25/11/2022 11:18:07	49.9	55.9	45	43.8	46.8	42.8	43.1	42.5	37.9
25/11/2022 11:18:08	52.5	53.2	50.1	51.2	48.3	48.2	44.6	41.7	37.8
25/11/2022 11:18:09	63.3	53	55.2	57.9	61.1	60	54.3	48.4	41
25/11/2022 11:18:10	46.2	50	43.1	40	40.4	41.3	39.1	38.5	34.7
25/11/2022 11:18:11	52	49.5	47.5	53.9	49.6	45.9	44.8	38.4	31.4
25/11/2022 11:18:12	49.8	53.4	49.6	45.1	45.1	43.5	43.3	42.1	37.2
25/11/2022 11:18:13	62.7	57.1	56.5	57.8	58.8	59.4	55.8	47.8	37.5
25/11/2022 11:18:14	55.1	56.1	53.1	54.2	50.1	48.9	48.7	46.3	39
25/11/2022 11:18:15	61.8	58.2	56.6	56.9	55.5	59.6	53.5	48.5	39.8
25/11/2022 11:18:16	76.5	54.7	64	66.4	70.7	75.1	67.2	61	49.1
25/11/2022 11:18:17	66.2	53.7	58.1	61.4	59	63.2	60.4	51.4	44.3
25/11/2022 11:18:18	61.3	51.4	50.5	56.4	55.8	58.8	54.7	47.2	38.5
25/11/2022 11:18:19	67.3	52.5	59.8	64.8	60.6	65	58.7	54.4	44
25/11/2022 11:18:20	54.3	57.3	55.5	53.1	46.2	49.2	49.2	41.9	35.4
25/11/2022 11:18:21	67.2	60.8	61.1	63.5	66.8	62.6	57.8	50.4	38.3

25/11/2022 11:18:22	60.5	54.8	58.7	61.6	53.8	52.9	55.2	51	41.9
25/11/2022 11:18:23	53	52.6	45.9	45.9	45.5	46	48.1	45.4	41.2
25/11/2022 11:18:24	62.7	51.8	53	56.9	61.5	57.5	55.2	46.9	39.9
25/11/2022 11:18:25	59	50.5	52.2	53.4	52.4	54.2	53.9	49.1	41.9
25/11/2022 11:18:26	76.8	52.4	59.8	69.3	71.1	76	64.3	58.5	48.6
25/11/2022 11:18:27	59.8	64.4	62.6	57.4	53.5	56.6	51.3	48.5	44.2
25/11/2022 11:18:28	58.4	56.3	51.7	54.1	52.4	53.7	53	47.4	42.9
25/11/2022 11:18:29	58.8	58	55.5	55.5	49.8	56.2	51.7	45.9	37.2
25/11/2022 11:18:30	61.7	53.2	55	55.3	54.9	58.5	56.1	48.9	39.3
25/11/2022 11:18:31	54.1	58.4	55.4	52.5	51	49.1	46.6	42.7	38.3
25/11/2022 11:18:32	62	52.8	58	59.7	56.3	59.5	53.8	48.4	40.9
25/11/2022 11:18:33	68.8	53.4	60.8	66.1	62.7	66.1	61.7	54.6	44.9
25/11/2022 11:18:34	71.2	54.5	62.6	67.5	67.4	67.8	64.4	57.1	48.2
25/11/2022 11:18:35	54.1	50.8	46.7	47.5	46.9	50	49.1	42.7	33.8
25/11/2022 11:18:36	69.3	55.1	60.8	64.2	64.3	66.6	62.1	55.2	43.8
25/11/2022 11:18:37	75.1	53.7	55.2	60	74.8	71.2	61.8	52.8	41.1
25/11/2022 11:18:38	61.7	53.4	51.3	53.1	60.9	55.9	51.6	41.6	37.6
25/11/2022 11:18:39	60	52	50.6	48.7	60	51.1	50.1	44.4	37.3
25/11/2022 11:18:40	48.8	51.8	43.3	41.7	45.4	45.3	42.3	35.5	26.8
25/11/2022 11:18:41	44.8	51.2	43.5	40.5	41	40.8	37.3	34.5	26.2
25/11/2022 11:18:42	60.2	51.5	46.9	51.2	57.1	54	55.6	47.9	38.6
25/11/2022 11:18:43	47.4	51.3	42.2	40.6	41.4	42	42.4	37.9	29.6
25/11/2022 11:18:44	47.6	50.3	43.1	44.9	42.5	42.9	40.8	38.4	35
25/11/2022 11:18:45	47.8	51.3	44.9	45.4	42.7	44.8	40.2	34.9	29.8
25/11/2022 11:18:46	51.2	50.8	44.3	42.7	43.3	45.3	45.3	41.1	37.2
25/11/2022 11:18:47	48.8	50.7	47.4	47.7	45.8	42.6	41.9	39.3	34.8
25/11/2022 11:18:48	54.5	51	51.6	56.2	54.9	47.2	43.3	37.5	30.3
25/11/2022 11:18:49	50.8	51.4	46.9	49.7	45.1	48.1	42.8	35.9	29.5
25/11/2022 11:18:50	44.7	50	40.4	38.9	39.1	39.6	38.1	36.8	32.2
25/11/2022 11:18:51	48.2	52.2	43	40.4	42.4	40.9	42.8	41.1	35.3
25/11/2022 11:18:52	62.9	51.1	45.8	56.2	60.9	57.1	58.3	47.1	38.3
25/11/2022 11:18:53	50.5	54.1	48.8	49.4	46.7	46.6	43.6	33.9	28.4
25/11/2022 11:18:54	44.6	52	45.2	43	41.7	40.1	35.9	34.4	29.8
25/11/2022 11:18:55	44	52.6	43.8	44	40.4	39.9	34.8	32.2	27.2
25/11/2022 11:18:56	64	55.7	58.6	62.7	62	59.9	55.5	47.1	34.3
25/11/2022 11:18:57	70	55.8	58.9	64.1	64.3	67.7	62.1	57.5	45.3
25/11/2022 11:18:58	61.6	56.5	46.4	48.9	53.4	58.4	55.6	51.8	43.9
25/11/2022 11:18:59	72.9	56.8	61.4	65.8	69.8	70.8	63.1	54.1	42.2
25/11/2022 11:19:00	66.8	55.6	56	60.9	57.5	64.7	59.4	54.5	43
25/11/2022 11:19:01	54.9	52.1	42.9	44.9	45.4	50.7	49.7	46.1	38.1
25/11/2022 11:19:02	52.1	52.1	46.8	48.7	45.9	47.9	46	41.4	35.9
25/11/2022 11:19:03	70.1	55	59.1	64.1	65.2	67.9	61.3	54.2	41.9
25/11/2022 11:19:04	68.5	56.2	60.1	64	63.2	65	62.4	56.3	47.4
25/11/2022 11:19:05	53.6	51.9	46.8	48.2	47.3	50.2	47.3	42.6	36.7
25/11/2022 11:19:06	71	54.6	60.1	65.8	69.1	68	61.9	54.9	44.9
25/11/2022 11:19:07	75.8	54.7	63.3	68.6	70.3	74.2	66.1	60	50.4
25/11/2022 11:19:08	77.5	57.6	65.2	69.5	74.1	75.6	66	62.9	51.9
25/11/2022 11:19:09	71.3	53.8	60.5	65.1	69.3	68.5	62.1	56.1	43.8
25/11/2022 11:19:10	71	51.1	57.4	60.4	66.7	68.8	61.7	58.2	46.6
25/11/2022 11:19:11	71.2	53.7	59.2	63	65.3	69.2	63.8	57.7	45.4
25/11/2022 11:19:12	53.4	59.8	57.1	52.3	44.3	48.4	46.5	45.1	40.1
25/11/2022 11:19:13	60.1	54.1	51.8	58.5	54.4	53.6	54.4	52.2	42.8
25/11/2022 11:19:14	51.8	58.8	54.6	50.8	47.4	47.4	45.5	34.2	25.9
25/11/2022 11:19:15	69.8	61.8	63.2	64.9	66.4	67	61.5	54	44.2
25/11/2022 11:19:16	58.2	56.3	49	49.2	55.2	53.4	52.2	46.6	39.7
25/11/2022 11:19:17	63.4	63.4	61.9	56.6	56.7	61.2	55.6	49.9	37.7
25/11/2022 11:19:18	59.5	52.3	48.7	48.4	57.3	56.1	52	45.6	31.4
25/11/2022 11:19:19	54.8	52.5	52.6	52.9	55.1	49.7	44.3	38.8	29.1
25/11/2022 11:19:20	50.8	53	49.7	46.6	49.4	45.7	40.8	40	33.1
25/11/2022 11:19:21	46	50.6	43.2	39.5	40.1	41.7	39.6	37	30.2
25/11/2022 11:19:22	48.2	50.1	43	43.5	47.5	41.8	39.8	37.9	32.9
25/11/2022 11:19:23	59.9	54.8	51.1	53	61	55.4	44.8	41.2	36.3
25/11/2022 11:19:24	49	51.4	44.7	41.8	42.6	42.4	43.9	41.3	36.9
25/11/2022 11:19:25	63.7	53.1	49.7	47.9	55	59.6	59.6	50.1	43.4
25/11/2022 11:19:26	61.9	53.5	62.1	59.8	59.4	56.3	55.9	46.1	38.2
25/11/2022 11:19:27	64.2	57.8	62.9	62.3	63.8	59	55.9	48.5	41.3
25/11/2022 11:19:28	73.4	54.5	69.9	74.2	71.7	68.6	64.4	56.6	42.4
25/11/2022 11:19:29	69.6	55.8	65	67.6	70	64.2	58.7	50.7	40.1
25/11/2022 11:19:30	64.1	52.2	62.9	63.1	64.4	57.9	54.7	49.3	41.8
25/11/2022 11:19:31	69.1	52.8	66.5	68.1	69.4	56.3	63.2	54.3	42.1
25/11/2022 11:19:32	63	55.1	64.3	63.6	63.9	54.7	54.1	45.7	38.4

25/11/2022 11:19:33	59.9	59.2	60.4	60	57.5	52.5	53.6	47.2	40.6
25/11/2022 11:19:34	60.2	57.4	61.3	61.1	60.4	51.1	52.7	44.4	38.7
25/11/2022 11:19:35	72.8	56.6	66.8	69.3	71.2	62.5	68.8	57.9	45.1
25/11/2022 11:19:36	53.1	54.4	50.5	45.9	48.2	48.1	47.4	43.5	35.6
25/11/2022 11:19:37	47.4	56.9	44	41.6	44.8	42.4	40.9	36.3	28.2
25/11/2022 11:19:38	47.7	53.6	41.3	50	44.3	41.7	40.2	36.1	32.6
25/11/2022 11:19:39	50.8	50.1	42.6	42.2	43.9	45.5	46.5	39.9	33.5
25/11/2022 11:19:40	50.2	50	42	42.4	44.1	44.4	44.7	42.1	38.4
25/11/2022 11:19:41	55.6	51.2	43.9	43	48.6	51.7	50.8	42.3	37.5
25/11/2022 11:19:42	64.3	51.3	51	48.2	54.4	59.2	59.7	55.8	47.7
25/11/2022 11:19:43	62.8	51.9	65.8	58.6	58.5	56.5	57.2	52.7	46
25/11/2022 11:19:44	58.1	53.6	47.2	44.9	49.7	52.2	53.3	51.2	45.4
25/11/2022 11:19:45	65.8	53.4	53	51.5	54.3	59.7	59.8	59.7	55.3
25/11/2022 11:19:46	60.1	52.9	48.8	45.3	53.7	56.8	54.4	47.9	40.8
25/11/2022 11:19:47	50	54.9	45.2	40.9	42.5	46.4	44.3	39.7	34.4
25/11/2022 11:19:48	46.2	52.6	44.7	41.9	44.7	41	37.9	35.6	30.1
25/11/2022 11:19:49	51.8	52.4	50.9	48.8	53	44.5	39.5	35.3	33.9
25/11/2022 11:19:50	54.4	52.6	48.9	45.2	54.7	50.2	39.8	36.9	31.3
25/11/2022 11:19:51	52.7	53.2	48.4	43.8	50	46	46.2	44.3	39.5
25/11/2022 11:19:52	49.9	56.1	48.4	42.7	48.4	46.4	39.6	37.2	33.2
25/11/2022 11:19:53	46.9	54.8	48.4	42.2	45.2	42.5	37.4	35.6	32.3
25/11/2022 11:19:54	47.9	55.9	47.9	40.9	42.6	43.3	41.2	37.8	36.8
25/11/2022 11:19:55	51.1	53.1	49.4	46.7	47.4	44.8	44.6	42.7	39.1
25/11/2022 11:19:56	54.9	52.1	49.9	50.6	48.2	52.1	48.1	41	37.2
25/11/2022 11:19:57	50.6	51.6	43.5	46.6	47.3	45.7	43.7	40.3	36.1
25/11/2022 11:19:58	44.9	51.7	42.9	40.6	41.4	40.9	38.1	32.8	25.9
25/11/2022 11:19:59	68.5	54.1	58.9	63.9	63.1	66	60.1	56.3	40.1
25/11/2022 11:20:00	65.8	50.9	49.2	54.5	61.8	63.7	57.3	50.7	39.4
25/11/2022 11:20:01	64.5	58	58.4	58.5	59.2	58.2	60.9	51.7	40.1
25/11/2022 11:20:02	51.3	52.1	44.3	43.8	47.7	44.3	47	40.4	35.6
25/11/2022 11:20:03	45.6	52.4	43.2	40.3	39.7	40.5	39.2	37.3	31.8
25/11/2022 11:20:04	49.2	53.5	48.5	48.7	42.4	44.2	42.5	40.8	34.5
25/11/2022 11:20:05	45.6	51.6	43.1	42	40.2	40.7	38.7	36.8	33
25/11/2022 11:20:06	66.3	55.5	57.1	61.2	60.9	64.2	57.8	51.3	37.1
25/11/2022 11:20:07	67.1	55.5	63.4	66.8	62.5	62.4	61.2	54.9	46.3
25/11/2022 11:20:08	55.1	52.3	47.5	49.7	49	50.3	49.7	45.8	41
25/11/2022 11:20:09	76.4	54.2	60.7	63.6	72.7	74.7	66.5	59.2	47.4
25/11/2022 11:20:10	57.8	50.9	46.8	48.6	52.5	55.3	50.3	45.8	40.1
25/11/2022 11:20:11	64.5	58.6	58.3	59	57	61.8	57.3	53.3	47.3
25/11/2022 11:20:12	67.9	54.1	61	65.4	62.7	64.3	61.5	53.8	44.4
25/11/2022 11:20:13	56.2	51.7	47.3	49.4	50.5	52.7	50.4	44.3	36.7
25/11/2022 11:20:14	61.9	52.1	57	59.7	58	58.3	54.8	48.5	41.1
25/11/2022 11:20:15	50.1	50.4	42.4	42.7	45.8	45	44.1	41	36.6
25/11/2022 11:20:16	71	52	61.4	65.3	65	69.6	61.5	55.8	45.3
25/11/2022 11:20:17	61.2	51.8	49.2	56.4	56.4	59.2	52.9	47.5	38.5
25/11/2022 11:20:18	71.7	54.5	60.1	63.7	67.5	69.8	62.4	57.1	44.4
25/11/2022 11:20:19	74.6	55.1	63.6	67.1	68.7	72.4	67.1	61	52
25/11/2022 11:20:20	58.8	51.7	48.7	55.4	56.9	51.6	52.5	48.2	45
25/11/2022 11:20:21	60.3	52.3	56	56.1	55.9	57.4	53	46	35.4
25/11/2022 11:20:22	60.2	52.1	47.3	47.3	60.7	54.9	47.4	43.2	36.3
25/11/2022 11:20:23	44.5	51.7	42.3	40.1	41.4	40.2	36.7	34.1	29.3
25/11/2022 11:20:24	48.5	53.6	41.9	40.4	41.2	45.2	42	37.5	32
25/11/2022 11:20:25	50.2	50.8	43.4	43.3	41.6	47.6	43.8	37.7	31
25/11/2022 11:20:26	51.6	53	47.4	48.2	45	48.3	45.2	38.1	30.2
25/11/2022 11:20:27	45.5	52.2	44.1	43.6	42.2	40.8	37.8	35.1	31.8
25/11/2022 11:20:28	44.7	52.3	42.3	41.6	41.4	40	37	35.1	30
25/11/2022 11:20:29	44.2	51.9	42.2	39.9	39.8	40.6	36.1	33.4	29.4
25/11/2022 11:20:30	44.2	52.9	42.9	40	40.1	39.5	38.1	32.6	24.9
25/11/2022 11:20:31	45.2	52.2	42.4	40.7	40.8	39.8	39.7	34.7	25.7
25/11/2022 11:20:32	46.4	52.7	41.9	44.2	44	40.8	39	36.3	28.6
25/11/2022 11:20:33	46.2	55.5	42.9	42.5	40.2	40.6	40	38	32.3
25/11/2022 11:20:34	47.7	52.8	42.8	41	43.6	41.4	41.7	39.7	33.5
25/11/2022 11:20:35	54.9	55.6	50.3	52.5	48.8	51.6	48.5	41.1	31.2
25/11/2022 11:20:36	52.1	55.6	43.9	44.1	47.8	45.4	47	43.5	37.4
25/11/2022 11:20:37	44.3	49	42.4	41.6	42.1	39.7	35.4	34.7	27.9
25/11/2022 11:20:38	65	52.7	58.6	61.7	61.9	61.9	57.4	49.6	37.5
25/11/2022 11:20:39	62.3	50.9	45.4	61.4	52.8	59.8	53.1	46.8	41.3
25/11/2022 11:20:40	64	52.8	61.2	63.6	61.3	60.8	55.2	51.7	43.5
25/11/2022 11:20:41	75.3	52.9	62.6	67.3	69.5	73.4	67.5	59.9	51.4
25/11/2022 11:20:42	68.8	53.9	60	62.7	65.4	66.3	59.6	52.8	43.6
25/11/2022 11:20:43	57.7	50.3	45.9	49.8	53.6	55.5	48.3	45.2	39.3

25/11/2022 11:20:44	60.5	62.9	60	58.7	52.2	55.1	55	51.2	43.7
25/11/2022 11:20:45	57.9	50.4	45.7	45.7	46.4	52.6	52.6	48.1	42.1
25/11/2022 11:20:46	73.7	54	61.5	64.8	69.2	70.7	67	59.8	51.8
25/11/2022 11:20:47	69.4	52.5	55.1	61.1	63.4	66.9	63.3	57.1	47
25/11/2022 11:20:48	62.4	52.3	57.4	61	59.1	55.6	56.8	52	45.1
25/11/2022 11:20:49	72.9	57.3	59.4	64.2	68.4	71.1	63.1	58.4	47.7
25/11/2022 11:20:50	59.7	59.7	58	57.4	54.1	55.5	53.3	49.2	42.5
25/11/2022 11:20:51	60.1	57.6	56.8	58.1	55	56.4	53.9	47.1	41.2
25/11/2022 11:20:52	61.5	52.6	47	54.9	58.5	55.1	57.4	47.1	41
25/11/2022 11:20:53	62.8	51.8	49.2	56.2	59.7	56.8	58.5	49.1	42.5
25/11/2022 11:20:54	63.9	58.9	58.1	59.2	59	61.5	56.1	49.9	41
25/11/2022 11:20:55	50.6	55.5	45.7	43.4	44.5	46	44.5	41.8	37.3
25/11/2022 11:20:56	54.6	57.7	54.9	51.9	47.7	50.1	48.5	44.3	37.6
25/11/2022 11:20:57	61.6	54.5	55.9	57.1	57.5	58.2	54.3	49.3	44.1
25/11/2022 11:20:58	77.4	54.7	63.4	67.4	69.7	76.9	64.6	59.6	51.8
25/11/2022 11:20:59	57.9	59.4	56.4	58.3	49.4	52.2	51.5	48.9	46.2
25/11/2022 11:21:00	65.3	51.9	54.7	54.4	57.4	59.3	58.5	59.9	52
25/11/2022 11:21:01	61.4	52.5	54.3	54.3	61.9	54.6	53.4	45.1	36.6
25/11/2022 11:21:02	58.6	51.7	49.9	53.8	58.3	52	50.1	47.8	41
25/11/2022 11:21:03	52.1	51.4	49.8	47	51.5	46.5	43.1	40.6	33.1
25/11/2022 11:21:04	52.3	51.4	48	47.9	52.1	45.9	44.7	39.3	35.3
25/11/2022 11:21:05	52.7	50.1	43.3	44.1	53.5	43.8	45.2	42.2	37.8
25/11/2022 11:21:06	50.9	49.8	47.6	44.9	46.8	44.4	45.6	41.4	36.5
25/11/2022 11:21:07	50.4	49.7	46.3	46.5	50.7	43.1	41.6	37.9	33.4
25/11/2022 11:21:08	47.1	50.5	41.6	44.9	46.8	42.4	37.3	34	27.9
25/11/2022 11:21:09	62.4	52.2	57	59.9	57	59	55	50.6	38.5
25/11/2022 11:21:10	62.9	51.4	50.4	56.4	58.7	60.5	54.4	49.1	40.7
25/11/2022 11:21:11	74.4	53.9	64.5	69.1	71.6	72	65.2	58.1	48.2
25/11/2022 11:21:12	60.2	52.6	55.3	60.7	57.3	53	53.6	50.3	45.1
25/11/2022 11:21:13	58.9	53.3	56.5	51.6	55.1	56.4	49.9	44.1	37.2
25/11/2022 11:21:14	53.7	51.3	53.4	48.9	53.2	49.8	42.5	36.8	30.7
25/11/2022 11:21:15	51.4	52.6	49.3	46.6	52	44.3	42.1	37.5	34.3
25/11/2022 11:21:16	51.1	53.8	51.4	48	50.2	45.9	41.6	38.4	33.2
25/11/2022 11:21:17	50.3	52.3	48.8	50.3	45	44.3	43.7	40.9	36.4
25/11/2022 11:21:18	56.1	52.5	51	49.9	56.2	50.5	44.3	43.2	39.4
25/11/2022 11:21:19	46.6	52.5	43.3	41.2	42	41.6	39.1	38.3	31.5
25/11/2022 11:21:20	57.2	51.8	47.6	55.8	56.1	52.9	49.1	42.3	35.8
25/11/2022 11:21:21	58.7	52.7	50.9	55.9	61.4	49.2	48.4	39.5	31
25/11/2022 11:21:22	51.2	52.5	47.7	44.2	51.5	44.8	43.5	37.6	32
25/11/2022 11:21:23	62.6	51.3	44.3	50.8	53.6	53.5	60.2	50.8	35.7
25/11/2022 11:21:24	62.9	52.3	46.5	54.9	58.1	56.3	59.5	49.5	36.4
25/11/2022 11:21:25	58.7	56	52.1	54.5	59.1	53	49.9	39.4	28.2
25/11/2022 11:21:26	61.6	54.3	55.3	58.6	63.1	53.5	53.1	43.4	32.3
25/11/2022 11:21:27	60.3	54.5	51.4	52.1	57.5	51.7	56.3	48.7	37.6
25/11/2022 11:21:28	54.8	56.1	47.7	48.7	50	46.7	51.6	42.1	32.4
25/11/2022 11:21:29	65.3	55.9	59.6	64.1	63.4	62	56	49.2	37.4
25/11/2022 11:21:30	66.5	55.3	60.8	66.1	59.9	61.9	61	51.2	43.7
25/11/2022 11:21:31	68	53.8	57.7	62.6	64.1	64.2	61.1	57	45.6
25/11/2022 11:21:32	63.3	53.6	51.7	57.5	58.2	59.9	56.6	53.8	46.4
25/11/2022 11:21:33	71.5	55.8	60.3	64.3	64.7	69.4	64.5	57.1	45.1
25/11/2022 11:21:34	63.9	52	46.9	55.5	59.3	59	59.6	50.2	42.2
25/11/2022 11:21:35	47.8	50.8	43	40	41	42	42.8	39.3	33.5
25/11/2022 11:21:36	50	51.5	45	42.4	48.9	46.3	38.3	37.5	33
25/11/2022 11:21:37	59.6	52.1	45.4	50.3	51.4	52.6	56.9	44.2	35.9
25/11/2022 11:21:38	58.5	50.6	45	54.2	58.6	52.3	52	43.5	39.9
25/11/2022 11:21:39	54.2	50.1	47.8	47.2	51.6	47.2	47.7	45.5	41.3
25/11/2022 11:21:40	48.3	49.1	41.7	40.8	44.6	42.3	41.9	40.1	34.7
25/11/2022 11:21:41	46.3	48.8	42.1	45.2	46.7	40	36.9	31.2	25.1
25/11/2022 11:21:42	46.6	50.9	43.1	43	39.7	42.7	40.2	36.1	31.4
25/11/2022 11:21:43	66.2	54.2	58.5	61.7	60.5	63.9	58	52.1	41.9
25/11/2022 11:21:44	76	54.2	65.4	70.6	73.4	73.2	67.6	61.8	49.3
25/11/2022 11:21:45	74.9	54.1	62.5	66.4	69.8	72.7	67.8	57.3	49.3
25/11/2022 11:21:46	56.1	56.9	56.1	51.6	45.9	49.4	51	47	41.4
25/11/2022 11:21:47	64.4	53.6	56.4	57.1	58.4	61.6	58.4	50.6	42.7
25/11/2022 11:21:48	62.8	70.5	66.7	63.6	59	58.5	54.7	47.6	36.4
25/11/2022 11:21:49	56	59	52.3	52.6	52.5	50.3	50.4	44.8	36.8
25/11/2022 11:21:50	58.7	52.1	48.9	49	55.4	54.1	52.2	47.5	42.6
25/11/2022 11:21:51	50.1	52.7	50.1	46	43.2	47.1	43.4	36.6	31.8
25/11/2022 11:21:52	44.6	52.1	45.2	40.5	40.4	40.2	37.9	33.9	28.7
25/11/2022 11:21:53	49.2	50.8	46.6	44.7	45.9	44.2	43	38.5	32.8
25/11/2022 11:21:54	60.9	51.5	56.5	57.3	56.6	58.7	51.1	44.7	38.4

25/11/2022 11:21:55	49.9	50.5	45.6	46.4	47	45.5	42.7	38	34.5
25/11/2022 11:21:56	47.3	51.9	44.2	42.5	41.1	42.6	40.2	38.4	37.4
25/11/2022 11:21:57	45.9	53.8	51.3	45.5	42.2	40.9	37.5	34.8	29.4
25/11/2022 11:21:58	45.2	50.7	49.9	42.9	40.3	39.8	37.7	36.7	32.7
25/11/2022 11:21:59	46.9	51.5	44.6	39.6	40.5	41.3	41.9	37.7	32.7
25/11/2022 11:22:00	47.9	51.4	43.9	40.2	40.7	41.5	42.9	40.1	34.8
25/11/2022 11:22:01	43.1	52.3	43.8	40.4	41	38.7	34.1	31.1	26.5
25/11/2022 11:22:02	48.6	52	44.5	46.3	48.1	41.9	39.7	37.8	33.8
25/11/2022 11:22:03	44.3	54.4	45.9	38.8	39.2	39.9	37.2	34.4	29.7
25/11/2022 11:22:04	45.5	53.2	45.3	41.9	44.6	39.8	36.4	35.3	31.2
25/11/2022 11:22:05	46.5	53.4	43.1	44.3	44.2	42.2	38.4	33.5	30.9
25/11/2022 11:22:06	66.7	54.4	54.8	61.5	61.9	64.6	58.5	50	42.6
25/11/2022 11:22:07	51.6	57.8	57.4	52.7	43.5	46.3	44.7	41.5	36.2
25/11/2022 11:22:08	53	52.3	44.6	41.8	41.1	48.8	46.3	45.6	41.3
25/11/2022 11:22:09	51.2	51.8	43	40.8	43.7	48.7	43.4	40.5	34.9
25/11/2022 11:22:10	45.3	52	42.9	39.6	39.9	39.6	39.1	36.7	33.5
25/11/2022 11:22:11	43.7	52.3	41.7	39	38.3	38.8	36.8	35.1	30.8
25/11/2022 11:22:12	41.8	53.6	42.1	38.7	38.8	38.1	33.1	28.8	23
25/11/2022 11:22:13	66.2	55.2	54.1	60.2	60.8	64.4	57.8	50.1	41.1
25/11/2022 11:22:14	61.5	54.7	56.3	60.4	55.5	57.1	54.9	52	41.7
25/11/2022 11:22:15	51.3	50	46	43	43.6	45.7	45.8	43.4	40
25/11/2022 11:22:16	57	49.8	53.8	53	51.9	50.3	51.8	48.1	42.8
25/11/2022 11:22:17	55.3	53.3	52.1	54.2	49.3	48.6	49.8	47.1	42.4
25/11/2022 11:22:18	51.1	52	47.4	44.4	43.7	44.9	43.9	41	36.6
25/11/2022 11:22:19	54.5	51.2	47	54.5	51.7	49.1	47.6	42.3	34.6
25/11/2022 11:22:20	57.5	50	52.7	55.3	50.6	53.9	50.9	45.8	41.2
25/11/2022 11:22:21	56.1	51.1	48.7	51.6	53.3	50.9	48.9	45.9	41.7
25/11/2022 11:22:22	47.9	49.6	47.5	44	41.7	43.1	42.3	37.7	32.5
25/11/2022 11:22:23	51.3	51.2	45.8	45.7	44.3	47.1	45.9	40.5	34.3
25/11/2022 11:22:24	49.5	51.7	47.3	47.7	45.1	45.5	43	35.6	28.4
25/11/2022 11:22:25	45.4	54	47.4	43.5	40.1	41.1	39.5	30.4	25.3
25/11/2022 11:22:26	46.3	54.6	46.3	41.7	43.4	41.9	38.9	34.6	29.1
25/11/2022 11:22:27	44.2	52.6	42.4	40.3	40.3	40.6	36.5	32.8	26.8
25/11/2022 11:22:28	43.6	49.1	41.6	39.6	40	40.1	34.9	32.2	27.2
25/11/2022 11:22:29	45.3	50.9	47.2	40.5	42.8	42.4	34.2	29.7	24.1
25/11/2022 11:22:30	66.3	52.8	58	60.7	56.9	64.6	58.4	49	37.7
25/11/2022 11:22:31	51.6	59.4	56.7	50.3	44.6	47	44.8	39.8	35
25/11/2022 11:22:32	52.7	64.4	57.7	52.2	46.9	48.7	45.1	39.8	33.9
25/11/2022 11:22:33	44.2	54.1	52.6	42	40	39.4	34.7	32.5	27.5
25/11/2022 11:22:34	45.8	53.6	47.1	43.6	41	42.5	37.4	32.1	30.4
25/11/2022 11:22:35	62	52.8	55.4	59	58.3	59.2	53.4	45.5	33.8
25/11/2022 11:22:36	72.9	55.9	57.3	67.3	67.8	70.6	65.2	58.1	44.7
25/11/2022 11:22:37	77.1	54.2	62.5	70.3	72.6	74.4	69.4	65.3	52
25/11/2022 11:22:38	70.9	54.4	62.1	66.3	65.5	68.1	64	57.6	45.5
25/11/2022 11:22:39	69.4	51.4	54.8	55.6	59.6	63.5	62.8	64	58.2
25/11/2022 11:22:40	65.6	56	55.8	55.8	59	61.8	59.8	56.1	48.3
25/11/2022 11:22:41	56.7	55.7	51.8	50.6	54.9	53.4	47.9	40.8	34.4
25/11/2022 11:22:42	50.8	56.5	49.1	49.5	46.8	46.6	43.2	39.6	35.4
25/11/2022 11:22:43	47.2	56.3	47.7	42.8	41.2	42.4	40.4	38.5	34.6
25/11/2022 11:22:44	45.9	52.5	47.5	43.3	42	42.3	38.1	32.8	27.5
25/11/2022 11:22:45	45.6	53.2	44.3	40.5	40.4	41.4	39.1	35.2	31.5
25/11/2022 11:22:46	45.6	50.9	45.3	40.1	40.6	41.1	38.8	36.4	32.7
25/11/2022 11:22:47	44	55.2	45.4	40.4	39.4	40.4	35.7	32.9	28.2
25/11/2022 11:22:48	44.9	55.7	47.2	39.9	40.7	40.8	36.8	35.2	31.1
25/11/2022 11:22:49	64.8	56.5	52.9	60.3	58.8	60.5	60.2	49.1	37.6
25/11/2022 11:22:50	63	52.8	53.2	56	54.3	58.8	58.7	50.2	42.6
25/11/2022 11:22:51	67.7	54.2	60.3	62.9	62.4	64.6	59.6	58.6	50.1
25/11/2022 11:22:52	48.9	51.4	43.8	40.1	40	45.8	43.2	36.5	28.1
25/11/2022 11:22:53	44.2	50.2	44.3	40.5	38.9	41.6	35.6	32.2	27.7
25/11/2022 11:22:54	66.3	51.4	55	61.3	62.4	63.1	59.9	50	39.7
25/11/2022 11:22:55	63.7	53.6	56.3	63.7	58.7	59.6	55.1	53.8	47.4
25/11/2022 11:22:56	68.5	57.3	61.5	65	62.8	64.8	63.2	54.9	44.8
25/11/2022 11:22:57	58	55.4	50.4	48.6	49.4	53.3	52.6	49.1	44.2
25/11/2022 11:22:58	67.1	59	59	62.7	61.6	64.1	60.1	54.1	45.2
25/11/2022 11:22:59	56.5	56.8	51.2	46.9	47	52.8	51.1	46.4	37.5
25/11/2022 11:23:00	66.5	65.9	65.2	62.3	61.1	62.8	60.2	54.6	44
25/11/2022 11:23:01	57.5	57.8	52	53.4	54.3	52.9	49.2	47	43.8
25/11/2022 11:23:02	74.1	55.8	58.2	66.8	65.8	73.1	63.9	57.2	46.3
25/11/2022 11:23:03	59.4	60	59.7	55.3	52.1	54.3	54.1	49.3	44
25/11/2022 11:23:04	57.8	58.4	50.9	49.7	47.3	52.4	53.9	47.1	43.4
25/11/2022 11:23:05	59.7	61.5	55.9	52.6	56.8	55	52.7	48.9	39.6

25/11/2022 11:23:06	57.8	55.8	52	53	48.7	53.5	52.6	47.9	40.7
25/11/2022 11:23:07	51.9	53.1	51.5	50.6	45.7	47.6	45.5	40.9	35.8
25/11/2022 11:23:08	50.5	56.6	55.4	51.4	44.6	44.4	43	40.9	36.3
25/11/2022 11:23:09	56.4	50.6	52	50.3	55.7	52.4	47.1	38.5	30.7

Position 2 Data

25/11/2022 11:23:21	60.9	58.7	53.8	57.1	56.4	58	53.8	47	35.8
25/11/2022 11:23:22	69.3	58.6	60.8	62	65.7	67.6	58	53.6	38.9
25/11/2022 11:23:23	50.8	52.1	43.6	41.6	43.7	44.2	46	43.1	37.2
25/11/2022 11:23:24	58.1	53.1	52.8	50.6	53	56	48.5	44.3	34.7
25/11/2022 11:23:25	56.8	53.2	47.9	47.2	53.3	54.6	47.5	41.1	30.3
25/11/2022 11:23:26	44.5	53.5	43.4	38.7	39.3	39.6	37.2	36.4	32.8
25/11/2022 11:23:27	57	56.2	51.9	56.8	57.5	50.5	48.5	37.4	27.1
25/11/2022 11:23:28	64.3	50.8	55.6	58.4	57.5	61.2	58.8	50.4	41.2
25/11/2022 11:23:29	75.2	53.6	60	68.6	71.7	73	66.1	60.6	48.6
25/11/2022 11:23:30	55.2	49.3	51.2	52.5	52.7	50.8	47	43.8	34.1
25/11/2022 11:23:31	54.4	50.5	47.5	47.4	54	50.1	45	36	25
25/11/2022 11:23:32	53.2	49.8	47.3	45.5	54.4	43.8	46.4	37.7	25.2
25/11/2022 11:23:33	53.2	48.5	48.1	47.6	52.8	49	43.6	36.1	23.8
25/11/2022 11:23:34	53.3	50.3	48.7	46.1	53.1	48.6	44.1	37.1	28
25/11/2022 11:23:35	54.8	48.4	47.8	47.1	55.7	47.9	46.3	39.8	32.6
25/11/2022 11:23:36	45.7	50.8	45.8	41	42	41.1	38.9	35.2	31.5
25/11/2022 11:23:37	55.6	51.5	46.2	46.3	48	53.3	48.7	44	34.3
25/11/2022 11:23:38	43.8	49.4	44.8	40.6	39.2	40	36.6	32.8	27.9
25/11/2022 11:23:39	43	50.8	41.5	39.5	37.7	37.8	36.1	35	29.2
25/11/2022 11:23:40	44.1	49.8	45	40.8	41	38.7	37.1	34.8	29.4
25/11/2022 11:23:41	43.8	49.3	44.8	42.1	39.7	40.4	36.3	26.3	19.7
25/11/2022 11:23:42	63.9	52.6	55.6	60.2	58.8	61	56.8	50	42.8
25/11/2022 11:23:43	63	57.8	59.3	57.4	56.8	61.1	54.9	48.6	38.6
25/11/2022 11:23:44	49.4	50.4	44.6	43.9	41.5	42.7	44.2	42.3	36.3
25/11/2022 11:23:45	60.2	52.5	54.4	56	51.4	55.9	55.7	47	39.3
25/11/2022 11:23:46	66.6	52.8	56.2	59.2	61	64.5	58.7	52.3	42.6
25/11/2022 11:23:47	48.5	53.4	43	40.9	42.5	45.9	41	36.8	30.8
25/11/2022 11:23:48	45.5	52.1	43.1	39	40.4	39.6	38.6	38.2	34.6
25/11/2022 11:23:49	52.9	53.2	47	50.3	49.5	48.7	45.5	41.3	38.5
25/11/2022 11:23:50	62.8	55.2	54	59.6	59.3	60.1	54.3	47.6	41.2
25/11/2022 11:23:51	59.2	60.8	59.2	55.6	52.4	55.9	53.1	44.1	38.5
25/11/2022 11:23:52	58.9	52.4	51.5	53	55.6	56.1	51.1	42.9	37.3
25/11/2022 11:23:53	66.5	52.1	54.3	60	58.2	63.1	61.7	50.4	40.7
25/11/2022 11:23:54	52.2	50.8	45.1	45	45.5	45.9	47.2	43.7	39.9
25/11/2022 11:23:55	66.7	51.5	57	60.3	59.4	65.6	56.8	49.5	37.8
25/11/2022 11:23:56	49.6	54	50.1	46.2	42.1	44.5	44.1	39.8	35.1
25/11/2022 11:23:57	66	53.6	57.2	60.4	62.5	63.8	57	49.1	40.4
25/11/2022 11:23:58	70.4	52.8	60.8	66	68	68.1	59.2	51.9	40.9
25/11/2022 11:23:59	61.9	52.6	55.7	56.7	56.7	60	52.4	46.3	36.4
25/11/2022 11:24:00	54.2	49.3	45.7	45.9	47.9	52.4	46.2	40.7	33.9
25/11/2022 11:24:01	71	51.5	56.8	64.1	65.9	69.7	59.3	53.9	44.7
25/11/2022 11:24:02	68.7	51.6	59	61.9	64.9	66.5	59.6	51.3	42.4
25/11/2022 11:24:03	67.3	50.7	54.6	57.5	60.3	66.1	57.5	51.8	40.2
25/11/2022 11:24:04	66.2	53	54.5	57.7	62.7	64.1	57	50.2	38.6
25/11/2022 11:24:05	61.8	53.5	56.3	59	59.2	54.5	56.3	52.7	45.1
25/11/2022 11:24:06	50.8	50.5	43.5	44.8	51.8	44	42.2	35.9	28.6
25/11/2022 11:24:07	47.5	48.9	42	40.1	42.3	42	41.2	39.8	36
25/11/2022 11:24:08	45.1	50.8	42.7	39.3	40.8	40.3	38	36.5	31.1
25/11/2022 11:24:09	44.1	52.3	45	41.1	42.6	39.4	35.5	33.1	26.7
25/11/2022 11:24:10	53.2	56.4	47	46.5	54.1	45.3	44.9	39.2	28.8
25/11/2022 11:24:11	49.3	57.3	48.5	47.1	47.1	45.8	39.4	35.3	27.8
25/11/2022 11:24:12	43.6	56.3	45.6	40.1	38.2	39.5	36.5	32.7	27.6
25/11/2022 11:24:13	43.4	55.6	52.8	40.1	39.5	38.5	33.7	32.2	26.8
25/11/2022 11:24:14	50.9	53	48.5	47.3	53.3	41.6	39.9	35.2	29.5
25/11/2022 11:24:15	42.9	54.7	46	39.8	40.5	38.7	34.2	31.4	26.3
25/11/2022 11:24:16	41.7	55.2	44.6	37.1	38	38.7	33	27	20.3
25/11/2022 11:24:17	41.7	54.7	44.3	37.7	37.6	38.3	33.3	29.4	25.1
25/11/2022 11:24:18	42.1	54.2	43.5	38	37.9	39.1	33.1	29.9	24.2
25/11/2022 11:24:19	42.8	54.6	41.5	37.7	38.4	39.3	34.9	31.9	26.2
25/11/2022 11:24:20	41.8	53.9	43	39.1	38	39.2	31.8	24	24.8
25/11/2022 11:24:21	65.4	53.1	53.7	56.5	58.1	64	56.7	48.1	35.1
25/11/2022 11:24:22	68.4	56.9	62.4	63.1	64.5	66.4	59	53.7	41.6
25/11/2022 11:24:23	68.6	54.6	55.9	61.2	65.1	65	61.5	58.5	48.1
25/11/2022 11:24:24	55.9	55.8	49.2	49.8	50.2	51.6	50.2	46	38.6

25/11/2022 11:24:25	66.9	57.1	58.2	61.6	61.2	65.3	57.6	52.4	43.4
25/11/2022 11:24:26	52	59	56.7	49.5	44.8	47.7	45.6	39.7	35.9
25/11/2022 11:24:27	59.8	54.5	57.3	57.1	56.6	55.8	53.1	46.6	38.3
25/11/2022 11:24:28	53.2	54.6	49.3	41.5	48.1	46.6	47.2	46.2	38.8
25/11/2022 11:24:29	44.9	52.9	45	40.8	40.8	41.4	36.1	32.7	28.3
25/11/2022 11:24:30	54	53.2	44.9	41.6	48	51.8	46.5	35.7	26
25/11/2022 11:24:31	50.9	54.6	48.4	47.4	46.7	47.3	44.1	35.7	25
25/11/2022 11:24:32	45.4	53.1	44.9	43.1	40.8	41.7	38.2	32.7	27.3
25/11/2022 11:24:33	44.3	53.9	45.3	41.4	39.3	40.9	36.9	29.9	24
25/11/2022 11:24:34	43.7	53.9	44	39.6	38	40.3	36.3	31.9	26.1
25/11/2022 11:24:35	46.5	53.3	47.1	44.5	40.5	41.5	40.5	36.8	32.3
25/11/2022 11:24:36	58.8	53.4	46.1	43.4	48.2	54.3	55.2	44	34.8
25/11/2022 11:24:37	46.9	53.9	45	40	40.1	41.2	37.5	41.7	36.7
25/11/2022 11:24:38	45.2	53.8	44.7	40.4	39.5	40.4	38.4	36.8	31.1
25/11/2022 11:24:39	43.3	54.7	44.6	39.2	38.6	38.7	35.4	34.7	30.6
25/11/2022 11:24:40	42.1	52.2	45.5	39.3	38.3	38.1	32.8	31.6	28.1
25/11/2022 11:24:41	42.9	53	46.4	39.2	39.1	39.4	34.4	30.7	26.6
25/11/2022 11:24:42	47.7	53.8	47.4	42.5	47.7	41.9	40.1	33.6	25.9
25/11/2022 11:24:43	45	54.8	48.2	42.5	43.4	40.5	36.3	28.6	23.5
25/11/2022 11:24:44	49.9	53.3	44.4	45.9	48.6	46.3	40.3	36.2	29.7
25/11/2022 11:24:45	52.8	53.3	47.9	49.6	54.6	46.8	41.2	34.5	28.1
25/11/2022 11:24:46	51	54.2	48.9	47.2	51.8	44.9	40.8	34.1	29
25/11/2022 11:24:47	46.9	52.8	44.8	40.3	45.1	40.3	39.2	40	29.2
25/11/2022 11:24:48	43.5	52.9	44.2	38.4	38.1	39	36	35.4	28.4
25/11/2022 11:24:49	56.4	55.3	53.4	51.4	54.6	52.6	48.5	41.7	36.4
25/11/2022 11:24:50	45.5	51.6	46.7	39	43.6	41.6	36.7	32.5	27.4
25/11/2022 11:24:51	44.3	53.7	45	38.4	39.4	39.5	36.8	35.7	33
25/11/2022 11:24:52	52.6	57.7	50.9	43.7	50	47.2	46.9	39.4	33.4
25/11/2022 11:24:53	51.4	56.4	48.7	44.7	44.3	46.6	46.9	39.4	33.5
25/11/2022 11:24:54	49.8	53.6	48.3	47.4	49.7	42.9	41.2	35.3	27.8
25/11/2022 11:24:55	48	54.3	49.5	42	48	41.8	39.3	32.9	27
25/11/2022 11:24:56	47.3	53.3	47.4	41.4	46.5	43.4	36.4	31.4	25
25/11/2022 11:24:57	49.8	54.1	43.5	38.3	42.5	44.5	44.2	41.9	35.7
25/11/2022 11:24:58	47.7	54.5	43.5	43.1	44.6	42.1	41.5	38	30.5
25/11/2022 11:24:59	47.9	52.8	50.2	46	48.7	42	36.5	32.7	26.7
25/11/2022 11:25:00	50.2	54.8	51.6	45.5	50.8	45	39	32.7	26.4
25/11/2022 11:25:01	47	56.3	49.4	43.9	46.8	41.7	37.7	32.6	27.9
25/11/2022 11:25:02	47.9	55.6	50.4	42.7	47	42.7	38.5	36.5	31
25/11/2022 11:25:03	44.9	56.2	45.1	40.7	42.4	40.1	36.6	34	28
25/11/2022 11:25:04	52.8	56	51.5	50.2	52.1	45.3	46.3	38.5	29.3
25/11/2022 11:25:05	50.1	53.1	47.6	46.4	46.4	45.3	44.6	34.5	27
25/11/2022 11:25:06	43.3	53.8	45.4	38.3	42	39	34	29.1	22.9
25/11/2022 11:25:07	45.6	54.7	44.3	38	41.7	40.5	39.3	35.7	30.1
25/11/2022 11:25:08	45	57.1	44.2	38.1	41.8	40	38.1	34.9	27.8
25/11/2022 11:25:09	46.7	54.9	44.6	38.7	41	41	40.6	38.7	33.7
25/11/2022 11:25:10	44.4	55.8	45.1	38.7	40.7	41.4	35.5	31.5	26.1
25/11/2022 11:25:11	61.7	58.6	54.7	58.7	57.7	59.1	53.6	47.7	35.3
25/11/2022 11:25:12	58.2	52.9	52.7	54.6	54.4	54.1	51.7	46.9	38.8
25/11/2022 11:25:13	52.4	53.1	46.3	41.1	44.3	47.9	47.4	42.9	35.6
25/11/2022 11:25:14	56	55.7	49.9	45.2	52.9	52.8	47.8	42.8	36.2
25/11/2022 11:25:15	56.1	55.9	50	49.3	56.8	49.9	47.6	39	32.3
25/11/2022 11:25:16	57	58	51.1	50.4	57.3	53.5	44.2	38.1	34.9
25/11/2022 11:25:17	58.2	54.1	52	48.9	56.6	54.4	50.3	40.6	29.9
25/11/2022 11:25:18	50.5	52.7	50.8	48.1	49.2	45.8	42.6	34.3	23
25/11/2022 11:25:19	46	51.1	48.8	43.6	42	42.5	38.2	31.8	24.2
25/11/2022 11:25:20	45.3	50.9	47.9	43.4	41.8	42.4	35.8	29.4	21
25/11/2022 11:25:21	45.6	51.7	48.1	44.7	42.9	42.3	35.1	29	21.7
25/11/2022 11:25:22	45.8	52.5	50.8	44.2	42.6	41.9	37.1	30.4	21.8
25/11/2022 11:25:23	46	51.6	48.7	43.6	42.8	42.3	36.5	33.6	29.1
25/11/2022 11:25:24	48.1	52	51.7	44	47.2	43.6	36.8	33	30
25/11/2022 11:25:25	44.6	52.1	48.7	43.1	42.9	40.2	34.2	28.5	22
25/11/2022 11:25:26	44.5	52.4	49.9	42.6	41.5	40.3	35	31.7	26.4
25/11/2022 11:25:27	43.6	50.9	50.5	43.4	40.2	40.2	31.4	23.6	23.3
25/11/2022 11:25:28	58.1	53.5	53.7	54.1	53.7	55.8	49.6	44.3	28.4
25/11/2022 11:25:29	52.1	52.9	50.4	46.2	44.7	49.3	44.7	41.1	35.8
25/11/2022 11:25:30	70.4	55.5	62.9	64.6	66	68.6	60.9	54.3	43.3
25/11/2022 11:25:31	59.8	52.5	52.9	53.3	55.1	57.3	52.2	47	41
25/11/2022 11:25:32	55.2	51.9	52.8	51.5	49.9	50.3	49.7	45	34.6
25/11/2022 11:25:33	49.8	52.1	49.6	44.5	43.7	46.1	43.4	39.1	29.9
25/11/2022 11:25:34	55.3	53.1	50.5	50	51.2	52.5	47.9	39.1	27.8
25/11/2022 11:25:35	48.8	52	49.6	44.4	43.9	45.2	41.3	36.8	34.6

25/11/2022 11:25:36	46.5	49.5	45.8	40.4	40.9	43.3	39	36.5	29.7
25/11/2022 11:25:37	46.2	51	45.6	40.1	40.7	43.1	38.7	35.6	28.7
25/11/2022 11:25:38	47.8	51.1	46.8	46.7	45.8	44.2	38.1	33	27.4
25/11/2022 11:25:39	46.4	51.5	47.8	42.2	45	41.5	37.6	35.4	30.8
25/11/2022 11:25:40	43.2	51.2	46.2	41.8	41.6	39.5	32.9	27.8	21.8
25/11/2022 11:25:41	62	53.7	54.9	58.6	58.3	59.1	53.9	47.2	35.7
25/11/2022 11:25:42	67.7	53.1	58.8	62.8	65.2	65.3	57.6	48.4	37.2
25/11/2022 11:25:43	69.1	51.3	55.4	61.6	65.3	65.7	63.3	52.4	43.3
25/11/2022 11:25:44	53.2	56	56.6	48.1	43.6	48.1	48.1	43.5	37.9
25/11/2022 11:25:45	62.1	52.7	55.2	57.6	55.5	55.9	57.6	53	43.5
25/11/2022 11:25:46	50.8	55.7	52.8	45.5	43	44.8	45.6	42	35.4
25/11/2022 11:25:47	57.1	58.8	57.6	53.9	51.3	53.9	50.6	43.4	35.1
25/11/2022 11:25:48	50.9	60.4	52.2	47.3	45.3	45.3	44.5	42.1	38.4
25/11/2022 11:25:49	62.2	56	52.4	54.8	58.7	60.6	50.1	44.7	38.2
25/11/2022 11:25:50	52	53.2	48.9	47.7	52.5	44.8	43.6	39.6	26.9
25/11/2022 11:25:51	53	51.2	46.5	47.1	53.6	46.3	45.1	34.9	26.5
25/11/2022 11:25:52	45.9	52.1	43.4	39.9	42.9	42.2	38.3	33.7	28.9
25/11/2022 11:25:53	47.7	52.2	51	44.5	47.5	42.8	36.9	31.9	25.9
25/11/2022 11:25:54	42.9	52.4	44.7	39.1	40.3	39.3	33.5	30.7	27.2
25/11/2022 11:25:55	41.6	51.7	44.2	38.7	38.1	38.2	32.5	28.5	23.2
25/11/2022 11:25:56	48.5	49.9	45.7	42.8	45.6	42.2	42	39.7	32.4
25/11/2022 11:25:57	43.1	50.9	44.9	38.7	40.7	39.6	33.9	29.9	24.6
25/11/2022 11:25:58	47.4	50.5	43.9	40.4	44	43.6	40	36	30.8
25/11/2022 11:25:59	42.8	51.2	43.6	38.9	40.5	39.3	33.4	28.8	24.3
25/11/2022 11:26:00	41.9	49.3	44.3	38.1	40.3	38.2	31.4	26.4	21.2
25/11/2022 11:26:01	41.3	50.4	43.9	37.6	39.6	38	30.1	24.6	19.8
25/11/2022 11:26:02	59.8	52.9	53.1	54.8	55.8	57.2	52	45.9	33.6
25/11/2022 11:26:03	52.3	52.2	51.4	45.4	45.4	47.1	46.5	43.9	38.8
25/11/2022 11:26:04	61.9	52.9	54.6	57.1	56.4	59.3	55.3	45.4	32.9
25/11/2022 11:26:05	58.9	50.7	46.9	44.2	51.2	54.5	53.9	49	42.4
25/11/2022 11:26:06	51	52.3	45.6	39.3	45.8	46.4	44.5	42.9	35.8
25/11/2022 11:26:07	51.5	51.9	49.5	43.1	51.2	43.5	43.8	41.4	29.4
25/11/2022 11:26:08	43.7	51.8	47.8	40.1	41.3	39.5	34.2	31.2	26.4
25/11/2022 11:26:09	51.7	49.2	50.7	45.2	51.1	48	39.6	32.8	25.5
25/11/2022 11:26:10	48.6	48.9	46.4	40.1	46.8	43.1	41.9	36.3	28.3
25/11/2022 11:26:11	45.1	49.4	46.5	40.8	43.5	40.9	36.2	31.6	25.5
25/11/2022 11:26:12	45.8	50.9	43.4	37.9	42.5	41.8	38.6	35	29.6
25/11/2022 11:26:13	48.7	51.3	42.5	37.5	42.6	42.8	44.2	39.1	31.3
25/11/2022 11:26:14	42.9	51.2	41.8	36.8	40.5	38.6	34.4	32	28.1
25/11/2022 11:26:15	42.6	54.9	43.5	38.5	38.5	39.2	34.6	28.7	22.7
25/11/2022 11:26:16	63.3	56.1	54.2	58.9	58.6	61.3	53.6	48.6	35
25/11/2022 11:26:17	68	53.3	58.1	62.5	65	65.6	58.7	52.8	40.4
25/11/2022 11:26:18	66.4	52.6	50.7	49.6	55.2	59.4	61.2	60.4	54.4
25/11/2022 11:26:19	58	54.6	52.6	48.2	53	53.6	52.5	47.8	38
25/11/2022 11:26:20	51.4	53.4	49.2	46.1	49.2	46.1	45.4	39.9	28.8
25/11/2022 11:26:21	61.4	53.4	54.3	55.4	61.2	57.2	51.3	44.2	34.3
25/11/2022 11:26:22	52.9	53.3	51.2	44.3	49	48.3	46.4	43.1	32.7
25/11/2022 11:26:23	57.6	51.6	54.7	54.8	49.7	55.6	50.2	42.5	30.1
25/11/2022 11:26:24	50	51	46.1	40.9	43.7	45.3	45.2	39.5	34.9
25/11/2022 11:26:25	43.2	51.2	45	39.2	41.3	38.5	34.5	32.6	29.9
25/11/2022 11:26:26	46.8	51.1	44.2	40.8	46.7	39.7	37.8	38.4	32.7
25/11/2022 11:26:27	58.1	52.8	50.4	52.1	48.6	56.8	49.1	43.3	29.8
25/11/2022 11:26:28	41.9	56.1	45.1	37.2	38.5	38.8	32.2	28.5	26
25/11/2022 11:26:29	49.2	56.9	46.5	48.3	46.5	44.9	42.2	31.8	24.9
25/11/2022 11:26:30	44.8	55.2	43.1	41.9	43.5	40.7	36.4	29.7	24.2
25/11/2022 11:26:31	43.6	54.7	42.6	37.8	40.7	38.7	35.5	34.9	29.9
25/11/2022 11:26:32	49.6	54.2	47.5	46.3	45.5	45.2	43.1	38.5	31.7
25/11/2022 11:26:33	55.5	52.8	48	46	49.5	47.7	49.4	50.3	38.7
25/11/2022 11:26:34	43.4	52.5	42.8	40.2	39.3	39.4	36	32.5	22.8
25/11/2022 11:26:35	64.1	54	57.5	60.8	61.9	60.9	55.2	47.6	34.4
25/11/2022 11:26:36	58.4	57.2	54.6	47.7	51.2	50.3	48.2	49.2	41.1
25/11/2022 11:26:37	63.7	53.9	54.1	59	60.3	61	56.6	54	45
25/11/2022 11:26:38	55.8	53.4	45.8	44.3	43.7	48.7	51.8	48.2	40.1
25/11/2022 11:26:39	60.9	53.2	55	54.9	54.6	59.1	52.8	46.8	38.3
25/11/2022 11:26:40	55.8	58.8	56.6	52.6	48.5	51.4	50.4	43.9	36.7
25/11/2022 11:26:41	53.8	49.5	44.5	42.8	47.8	50.4	47.6	42.9	36.5
25/11/2022 11:26:42	47.8	51	45.6	40.5	44.4	43.1	41.3	38	31.8
25/11/2022 11:26:43	45.4	52.6	46.2	42.3	43.5	40.7	37.2	34.2	29.6
25/11/2022 11:26:44	46.5	49.9	45	41.7	46.3	40.8	37.7	35.6	29.1
25/11/2022 11:26:45	48.7	49.2	48.6	45	46.6	45.4	38.6	35.3	29
25/11/2022 11:26:46	47	49.9	47	43	47.4	41.3	36.9	33.6	26.4

25/11/2022 11:26:47	52.1	51.8	47.3	46.4	49.7	49.3	42.9	35.4	27.7
25/11/2022 11:26:48	55.8	50.5	49.8	49.4	54.3	52.3	46	41.5	36.2
25/11/2022 11:26:49	54.5	51.1	51.1	50.5	54.8	48.3	45.1	40.2	30.7
25/11/2022 11:26:50	55.5	49.8	49.8	47.6	54.5	52	44.5	42	32.6
25/11/2022 11:26:51	57.5	51	49.7	51.2	56.8	51.9	50.9	43	34.5
25/11/2022 11:26:52	51.3	51.4	48.2	45.1	50.6	46.2	42.6	36.4	33.2
25/11/2022 11:26:53	52.8	50.3	51.6	49.5	49.2	48.6	46.4	36.3	29.5
25/11/2022 11:26:54	47.8	51.3	45.1	44.6	48.6	40.9	38.6	34.3	28.4
25/11/2022 11:26:55	45.7	49.5	46.8	43	44.9	41.5	35.8	28.9	23.4
25/11/2022 11:26:56	65.9	53.2	60.5	63.2	61.8	62.7	58.9	50.1	36.2
25/11/2022 11:26:57	58.4	54.8	55.9	54.9	54	55.9	50.3	43.9	36.2
25/11/2022 11:26:58	53.8	51.9	46.9	44.6	46.1	49.9	48.5	43.1	35.2
25/11/2022 11:26:59	65	52.8	58.2	60.5	59.8	61.5	58.5	52	40.1
25/11/2022 11:27:00	52.1	51.5	47.2	42.4	47.8	46.6	45.9	43.8	37.7
25/11/2022 11:27:01	52.2	52.8	48.2	42.4	46.2	46.7	47.1	43.6	34
25/11/2022 11:27:02	44	48.5	44.1	39.3	41.3	39.9	35.7	33.6	27.7
25/11/2022 11:27:03	53.8	51.2	51.8	50.6	44.1	50.3	48.7	39.1	29.2
25/11/2022 11:27:04	49.6	51.4	45.2	46.4	47.5	44.7	42.1	38.2	33.5
25/11/2022 11:27:05	44.8	51.1	43.2	39.4	40.6	40.2	37.8	35.6	30.5
25/11/2022 11:27:06	46.8	52.2	45	44.7	42	44	38.6	32.2	27.8
25/11/2022 11:27:07	47.1	51.6	44.6	45.2	43.1	43.7	39.5	33.7	28.5
25/11/2022 11:27:08	43.5	52.9	42.8	40	40.3	39.9	34.2	32.3	27.4
25/11/2022 11:27:09	44.3	51.9	42.3	42.6	39.9	40.7	36.3	33.4	26.8
25/11/2022 11:27:10	65.1	54.1	56.1	60.3	61.6	63.1	55	48	38.2
25/11/2022 11:27:11	71.5	53	59.6	61.8	67.8	68.9	63.5	58.6	43.6
25/11/2022 11:27:12	46.7	52	44.1	38.8	44.5	42.4	39.6	32.3	23.9
25/11/2022 11:27:13	49.1	52	48.6	47.2	43.7	45.4	42.7	33.9	26.3
25/11/2022 11:27:14	49.3	52.2	46.9	44.6	44	45	42.8	39.5	34
25/11/2022 11:27:15	47.1	49.4	43.5	43.5	42.9	43.3	40.2	35.1	27.9
25/11/2022 11:27:16	45.6	49.8	43.4	43.7	40.5	42.7	37.7	31.3	28.7
25/11/2022 11:27:17	45.2	51.4	43.1	43.6	40.7	42.4	36.8	31.1	26.6
25/11/2022 11:27:18	42.7	50.9	41.2	40.2	40.3	39.5	32	28.7	27
25/11/2022 11:27:19	60.3	52.7	56.3	58.4	54.6	58.3	51	46.3	36.6
25/11/2022 11:27:20	69.1	55.1	56.5	62.7	66.2	66	61.4	53.1	43.7
25/11/2022 11:27:21	62.3	52	45.8	50.2	57.5	59.4	55.9	48.4	42.4
25/11/2022 11:27:22	56	56.5	56.3	52.7	48.3	51.3	50.5	44.5	42.8
25/11/2022 11:27:23	52.9	56.7	48.3	44	43.1	46.3	48.2	44.6	42.9
25/11/2022 11:27:24	48.2	54.2	44.9	40.1	45.2	43.7	39	37.5	38.9
25/11/2022 11:27:25	45.7	52.1	43.1	38.6	43.9	40.6	34.8	31.7	39.1
25/11/2022 11:27:26	43	53.1	46.4	39	41.2	38.4	33.2	30.3	32.4
25/11/2022 11:27:27	43.9	51.1	42.1	37	38.3	39.7	33.4	28.3	39.5
25/11/2022 11:27:28	49.3	50.7	45.2	42.9	50.4	43.5	33.6	31.8	30.1
25/11/2022 11:27:29	41.6	49.6	43.1	38	37.7	38.3	31.9	26.3	32.3
25/11/2022 11:27:30	41.9	49.3	42.7	38.8	38.5	38.6	32.8	27.6	27.9
25/11/2022 11:27:31	43.4	50.3	42.4	38.7	38.5	39.2	36.1	33.9	28.2
25/11/2022 11:27:32	43.1	49	42.4	38.3	38.7	39.1	35.7	32.9	29.2
25/11/2022 11:27:33	42.6	49.3	42.7	39.9	39	39.8	33.5	27.6	21.9
25/11/2022 11:27:34	47.5	50.2	46.2	45.9	43.1	44.9	38.6	31.1	25.7
25/11/2022 11:27:35	48.6	50.3	46.8	45.7	44.2	45	41.4	35.2	29.2
25/11/2022 11:27:36	43.4	50.7	42.8	40	39.7	40.1	34.1	32.3	28.4
25/11/2022 11:27:37	45.3	50.8	43.2	41.6	41.8	43	35.3	27.9	23.7
25/11/2022 11:27:38	64.2	51.6	59.1	61.2	60.4	62.1	55.2	47	34.2
25/11/2022 11:27:39	64.7	54.6	58.7	59.9	61.6	62.3	55.5	48.3	38.8
25/11/2022 11:27:40	68.9	54.5	60.4	62.3	63.9	67	60.1	55	44.3
25/11/2022 11:27:41	67.5	52.1	58.6	62	63.5	65.5	58.3	51.3	43.9
25/11/2022 11:27:42	67.7	53.5	55.6	62.6	64.2	65.6	58.6	53.3	40.6
25/11/2022 11:27:43	62.5	52.3	54.7	57.9	57.7	59.4	55.6	49.7	43.9
25/11/2022 11:27:44	52.7	52.9	48.2	46.2	48.9	49.2	45.9	40.9	33.2
25/11/2022 11:27:45	67.4	55.1	58.5	61.2	62.7	65.4	58.5	51.8	40.4
25/11/2022 11:27:46	51	54	46.1	42.6	45.1	48.1	43.8	40.3	34.8
25/11/2022 11:27:47	50	55.6	46	49	46.6	46.3	42.1	36.4	30.7
25/11/2022 11:27:48	63.5	54.7	56.6	54.5	56.8	61.1	56.7	50.5	40.9
25/11/2022 11:27:49	54.1	53.9	46.2	45.5	48.7	51.4	46.9	42.5	35.5
25/11/2022 11:27:50	49.9	48.6	44.5	49.2	48.3	45.7	40.6	34.9	28.3
25/11/2022 11:27:51	48	47.9	42.1	43.5	44.1	42.8	41.9	38.5	33.5
25/11/2022 11:27:52	65.4	50.8	55	58.8	58.2	63.8	56.7	49.6	39.3
25/11/2022 11:27:53	71.4	52.8	59.9	63.1	68.8	68.4	62.6	58.3	48.1
25/11/2022 11:27:54	56	50	43.8	41.8	49.5	50.7	50.8	48	39.9
25/11/2022 11:27:55	49	50.3	47.5	41.2	48.1	45.1	39.4	30.5	24.4
25/11/2022 11:27:56	51.3	48.4	46	43.2	52.3	44.3	39.4	33.8	26.4
25/11/2022 11:27:57	48.4	49.3	43.3	40.3	47.8	44.7	36.9	32.8	25.3

25/11/2022 11:27:58	44.9	51.2	44.8	40.2	43.5	40.6	35.3	30.9	25.1
25/11/2022 11:27:59	45.4	50.9	42.3	39.4	41.1	41	39.2	34.3	26.7
25/11/2022 11:28:00	44.7	50.5	43.6	39.7	40.2	41.1	37.7	32.6	26.7
25/11/2022 11:28:01	54.5	49.1	45.6	45.7	48.3	46.3	49.4	47.6	42.5
25/11/2022 11:28:02	60.2	50.3	52.5	53.2	51.6	54.1	56.1	50.8	45.2
25/11/2022 11:28:03	53.6	51.3	50.4	43.3	46.3	49	49.4	40.5	33.3
25/11/2022 11:28:04	49.2	52	49.9	46.1	44	44	42.8	39.6	35.1
25/11/2022 11:28:05	45.1	53.7	49.6	45.6	41.7	39.9	36.2	34.2	30.2
25/11/2022 11:28:06	44	49	42.4	40	39.9	39.7	36.7	34.1	29.1
25/11/2022 11:28:07	44.4	48.9	42.6	39.4	40.1	40	37	35.4	30.3
25/11/2022 11:28:08	53.5	50.2	42.3	40.4	42.4	44.2	47.9	48.3	44.2
25/11/2022 11:28:09	49.3	49.3	42.4	40.1	42.3	42.1	43.4	43.1	38.4
25/11/2022 11:28:10	49.8	48.6	46.3	44.9	45.8	45.9	41.9	39.7	31.6
25/11/2022 11:28:11	53.4	50.1	49	49.6	47.8	49.9	46.8	41.3	33.7
25/11/2022 11:28:12	49.5	51	47.9	47.3	44.4	46.1	42.8	36.4	31.6
25/11/2022 11:28:13	45.9	50.1	47.2	43.1	44.1	41.1	37.1	34.3	29.6
25/11/2022 11:28:14	55.4	52	45.4	44.9	47	51	51.5	41	33.1
25/11/2022 11:28:15	58.1	53	48.6	47.5	51.8	54	53	46	39.5
25/11/2022 11:28:16	59.7	52.7	51.4	48.1	51.5	53.8	56	48.9	39.1
25/11/2022 11:28:17	47.5	49.8	48.3	42.5	45	42.4	40.8	36.1	29.7
25/11/2022 11:28:18	48.8	50.9	46	44.3	43.1	45.8	42.1	33.8	27.6
25/11/2022 11:28:19	45.5	49.6	42.6	40.6	42.2	40.5	38.7	35.3	29.2
25/11/2022 11:28:20	45.2	50.3	44.2	41.6	42.8	40.7	36.4	33.8	31.6
25/11/2022 11:28:21	46.2	49.5	44.3	42.5	42.3	40.4	38.3	38.5	35.6
25/11/2022 11:28:22	62.8	50.7	53.1	56.1	58.3	60.6	54.1	46.7	34.8
25/11/2022 11:28:23	63.2	50.5	52	54.9	59.3	61.5	53.4	48.4	36
25/11/2022 11:28:24	72.3	56.1	65	67.5	68.5	69.5	64.7	55.7	44.1
25/11/2022 11:28:25	70.1	53.6	61	65.6	66.6	67.9	60.1	54.5	44.6
25/11/2022 11:28:26	69.3	53.3	58.1	64.6	66.8	66.8	60.3	54.1	42.4
25/11/2022 11:28:27	54.3	50.4	46.3	47.5	50.5	51.4	46.7	42.6	36.1
25/11/2022 11:28:28	50.8	54	52	50.3	45.5	45.4	43.5	41.8	39
25/11/2022 11:28:29	58.3	52.5	52.4	53.8	52.4	54.8	51.3	48.1	42.4
25/11/2022 11:28:30	50.5	50.5	44	43.8	44.4	46.1	44.5	41.3	36.6
25/11/2022 11:28:31	69.1	52.7	58.5	61.6	61.9	66.7	62.4	56.1	46.6
25/11/2022 11:28:32	60.3	52.3	56.6	57.9	56.2	56.3	52.8	49.6	41.3
25/11/2022 11:28:33	58.6	51.7	52.5	53.8	53	55.6	51.9	47.6	40.2
25/11/2022 11:28:34	51.8	59	57.9	50	47.5	47	44.5	40.8	33.9
25/11/2022 11:28:35	43.1	51.1	43.4	40.3	41.4	38.1	32.3	33.6	31.8
25/11/2022 11:28:36	55.9	51.3	52.5	52.1	50	53	49.5	41.7	29.1
25/11/2022 11:28:37	55	48.2	44.4	48.9	56.1	49.9	43.6	38.3	31.2
25/11/2022 11:28:38	46.2	50.1	45.2	42.8	42.9	41.8	39.1	34.7	26.3
25/11/2022 11:28:39	50.5	50.6	47.7	46.8	44.1	47.4	43.4	38.8	32.7
25/11/2022 11:28:40	50	48.7	45.2	42.5	47.6	43.5	43.3	40.7	36.4
25/11/2022 11:28:41	54.4	51.2	50.5	47.6	53.8	49.1	45.6	42.4	37
25/11/2022 11:28:42	55.8	50.1	48.1	49.6	51.2	51.4	49.6	44.8	38.5
25/11/2022 11:28:43	54.9	51.4	44.9	43.7	45.6	48.1	52	42.2	35.6
25/11/2022 11:28:44	44	51.3	42.6	39.9	40.3	39.5	37.3	32.8	24.2
25/11/2022 11:28:45	60.4	49.5	51.7	60.2	57.3	56	53.4	42.5	32.4
25/11/2022 11:28:46	62	54	53.9	58.9	57.2	59.6	54	47.6	40.3
25/11/2022 11:28:47	69.4	59.6	64.6	65.5	67.2	66.9	59.3	52.1	41.8
25/11/2022 11:28:48	61.6	52.5	54.1	59.8	60.1	54	54.6	52.6	44.8
25/11/2022 11:28:49	53.7	52.3	45.9	43	45.6	46.8	49.6	45.3	38.8
25/11/2022 11:28:50	61.9	58.3	58.9	57.6	58.4	58.6	54.8	47.7	37.2
25/11/2022 11:28:51	52.3	50.1	45.2	46.2	47.9	48	46.2	41.8	36.4
25/11/2022 11:28:52	72.4	54.5	59.1	66	69.3	69.5	64.9	58	49.2
25/11/2022 11:28:53	64.2	63.7	63.4	58.9	60.9	60.9	56.8	51	41
25/11/2022 11:28:54	48.8	51.6	48.1	44.7	45.4	44.6	42.3	36.2	27.9
25/11/2022 11:28:55	48.9	50.2	47.5	45.8	50.6	42.1	37.2	34.7	25.8
25/11/2022 11:28:56	44.8	50.1	41.8	41.5	44.8	39.5	35.1	31.8	28.6
25/11/2022 11:28:57	50.7	54.7	51	43.9	48.6	46.5	41.9	36.4	27.8
25/11/2022 11:28:58	47	50.1	45.2	43.3	44.4	41.5	39.8	36.2	34.1
25/11/2022 11:28:59	57.7	50.1	44.4	46.3	50.6	50.3	54.9	43.8	29.6
25/11/2022 11:29:00	51.9	51.7	47.9	48.1	47.8	49	44.5	34.6	25.8
25/11/2022 11:29:01	45	50.9	44.2	40.7	42.8	41.6	35.4	31	24.3
25/11/2022 11:29:02	44.2	51	42.3	39.8	40.8	40.3	36.3	32.9	31.1
25/11/2022 11:29:03	53.1	53.1	47.8	48.7	47.7	50.9	45	36.6	30.6
25/11/2022 11:29:04	51.9	51	47.2	47	47.3	48.8	44.7	38.3	33.4
25/11/2022 11:29:05	53.6	52.7	46.3	45	46.8	51.5	45.8	41.7	35.6
25/11/2022 11:29:06	46.8	60.4	45.6	40.8	43.6	41.5	40	36.2	30.3
25/11/2022 11:29:07	65.3	60	54.9	58.4	59.6	63.6	56.7	49.7	37.9
25/11/2022 11:29:08	59.3	59.6	48.6	49.4	53.6	57.7	50.2	44.8	37.8

25/11/2022 11:29:09	55.8	62.2	58.8	52.1	52.5	53.2	45.5	39.9	31.2
25/11/2022 11:29:10	45.1	58.9	46.2	41.6	40.3	40.6	37.9	34.9	30.8
25/11/2022 11:29:11	46.5	56.2	44.7	41.9	41	42.1	39.8	36.9	31.5
25/11/2022 11:29:12	59.6	60.2	51.1	53.3	56.1	57.2	51.1	42.4	31.7
25/11/2022 11:29:13	47.6	61.1	45.1	42.7	41.8	44	40.7	36.1	31.6
25/11/2022 11:29:14	69.4	60.6	60	65.6	65.8	67.1	59.8	55.3	45.4
25/11/2022 11:29:15	58.9	61.4	61	57.6	52.9	52.2	53.9	48.9	41
25/11/2022 11:29:16	57.1	50.6	48.6	44.1	52.2	54.6	49.6	42.3	35.1
25/11/2022 11:29:17	59.4	50	55.2	54.6	56.3	55.8	52	44.9	35.1
25/11/2022 11:29:18	49.3	49.4	49.2	50	49.1	43	39.7	34	28
25/11/2022 11:29:19	51.6	50.3	47.9	49	49.4	47.6	43.3	36	28.4
25/11/2022 11:29:20	52.6	49.2	47	47.3	45.7	48.6	47.4	41.2	33.6
25/11/2022 11:29:21	47.2	52.7	47.4	46.6	40.8	43.3	40.9	32.9	21.7
25/11/2022 11:29:22	48.4	51	43.9	41.1	42.9	43	43.9	36.8	27.1
25/11/2022 11:29:23	55.6	52.4	46.6	46.8	51.9	52.7	48.7	42.1	33.4
25/11/2022 11:29:24	54.2	53.9	49.3	46.7	53.3	48.5	47	41.1	35.2
25/11/2022 11:29:25	52.1	52.9	43.3	41.9	43.9	46.5	47	43.8	38.1
25/11/2022 11:29:26	50.2	54.3	44.6	41.3	43.6	43.7	45.3	42	37.4
25/11/2022 11:29:27	46.6	52.2	43.6	41.7	39.9	41.1	41.9	36.3	28.4
25/11/2022 11:29:28	64.2	53.4	56.1	60.5	61.5	61.2	55.8	46.8	35.6
25/11/2022 11:29:29	51.9	51.5	53.2	46.7	47.7	47	45.1	43	35.5
25/11/2022 11:29:30	50.9	55.8	54.4	49.2	45.3	46.6	44	39.6	33.1
25/11/2022 11:29:31	49.5	53.2	49.8	45.9	43.3	45.4	42.9	38.8	35.3
25/11/2022 11:29:32	44.9	51.9	44.9	41.5	40.5	41.4	37	33.3	27.9
25/11/2022 11:29:33	42.9	54.5	46.4	42.1	40.2	39	32.6	30.1	23.9
25/11/2022 11:29:34	54.5	51.9	43.6	42.6	44	47.7	47.5	40.8	29.5
25/11/2022 11:29:35	61.5	53.6	55.4	58.4	59.8	57.8	53.9	47.7	40.4
25/11/2022 11:29:36	63.2	51.9	56.3	59.6	55.5	59.2	58.2	50.4	38.1
25/11/2022 11:29:37	69.5	53.4	58.2	61.2	65	67.2	61.2	56	43.3
25/11/2022 11:29:38	53.9	51.6	45.8	44.2	47.5	51.1	47.6	42.2	35.3
25/11/2022 11:29:39	47.7	51.5	47.8	48.9	45.3	42.5	39.1	35.9	31.5
25/11/2022 11:29:40	59.5	53.6	51.6	52.5	55.5	56.6	52.1	45.4	39.7
25/11/2022 11:29:41	44.8	51.4	42.7	40.5	43.5	39.4	36.6	33.5	28.3
25/11/2022 11:29:42	73.3	52.5	58.9	62.1	68.6	71.5	63.9	58.3	45.6
25/11/2022 11:29:43	59.5	53.1	54	54.8	56.6	56.7	50.9	45.8	39.1
25/11/2022 11:29:44	62.3	56.6	57.4	56.4	58.1	60.3	52.9	45.7	35.1
25/11/2022 11:29:45	71.5	55.8	62.1	67.6	68.1	69.4	60.5	58.1	46.1
25/11/2022 11:29:46	55.6	52.9	49.3	48.6	52.9	52.7	46.6	43.1	38
25/11/2022 11:29:47	58.8	57.1	57	56	55.5	55.9	49.4	44.9	36.9
25/11/2022 11:29:48	66.4	52.5	57.2	62.2	61.3	63.4	59.3	54.2	44.2
25/11/2022 11:29:49	58.3	53.8	49	53.9	53.5	55.9	50.5	45.6	37.9
25/11/2022 11:29:50	48.8	53	45.8	41.3	44	43.1	43.3	39.9	31.9
25/11/2022 11:29:51	53.8	50.2	44.1	48.4	57.8	40.6	36.4	33.2	27.3
25/11/2022 11:29:52	50.7	51	43.9	47.4	53.3	42.7	42.1	36.5	30.6
25/11/2022 11:29:53	43.1	49.2	43.3	39.5	38.6	39	35.5	32.7	29.2
25/11/2022 11:29:54	52.3	50.1	45.8	47.9	51.4	45.5	45.9	39.2	33.8
25/11/2022 11:29:55	52.7	52.5	46.8	42.7	51.4	48.3	44.8	37.7	28.4
25/11/2022 11:29:56	48.8	51.6	45.9	42.2	46.7	42	41.8	39.8	34.8
25/11/2022 11:29:57	50.2	49.8	49.1	46.2	50.4	43.2	41.8	33.3	24.2
25/11/2022 11:29:58	50.8	50.9	46.9	44.2	47.9	47.3	44.3	32.8	20.8
25/11/2022 11:29:59	52.2	50.8	46.8	47.9	52.9	45.8	43.5	35.4	28.6
25/11/2022 11:30:00	51.8	49.8	49.3	49	53.3	44.2	40	34.6	28.7
25/11/2022 11:30:01	54.2	50.9	48.7	47.9	53.8	49.1	44.6	43.4	36.4
25/11/2022 11:30:02	51.8	49.4	51.8	46.7	50.6	47	43.7	38.6	30.2
25/11/2022 11:30:03	48.5	50.5	43.4	43.8	46.6	44.5	39.8	35.8	31.7
25/11/2022 11:30:04	56	51	45.8	47.1	58.6	47.7	41	36.5	28.7
25/11/2022 11:30:05	53.4	49.3	48.6	48.7	53	48.6	44.1	39.3	33.2
		54	53	55	57	58	53	47	38

61.00

Appendix C

Calibration Certificates



Noise, Vibration & Air Quality

CALIBRATION CERTIFICATE

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 1/8

OBJECT OF CALIBRATION

Manufacturer: **SVANTEK**
Model: **SVAN 957**
Serial No.: 28006
Description: Sound Level Meter

SENSOR

Manufacturer:	ACO	SVANTEK
Model:	7052E	SV12L
Serial No.:	75643	47603
Description:	Microphone	Preamplifier

APPLICANT

Clement Acoustics
1B (C) Yukon Road, London SW12 9PZ

ENVIRONMENTAL CONDITIONS

Temperature:	21.5 – 22.1	°C
Humidity:	30 – 32	%
Pressure:	101.4 – 101.4	kPa

DATE OF CALIBRATION 26-04-2021

APPROVED BY B. Hunt



Noise, Vibration & Air Quality

AcSoft Calibration | Bedford Technology Park
Thurleigh | Bedford | MK44 2YA

+44 (0) 1234 639550

www.acsoft.co.uk

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurleigh, Bedford, MK44 2YA.

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 2/8

CALIBRATION METHOD Method described in instruction IN-02 "Calibration of the sound level meter", issue number 11 date 27.01.2016, written on the basis of international standard EN IEC 61672-3:2013 Electroacoustics. Part 3: Periodic tests.

CALIBRATION RESULTS The sound level meter submitted for testing has successfully completed the Class 1 periodic tests of IEC 61672-3:2013 (BS EN 61672-3:2013), for the environmental conditions under which the tests were performed.

The results are presented on pages 3 to 8 of this certificate (including measurement uncertainty).

CONFORMITY WITH REQUIREMENTS On the basis of the calibration results, it has been found that, the sound level meter meets metrological requirements specified in the standard IEC 61672-1:2013 Electroacoustics – Sound level meters. Part 1: Specifications, for class 1.

UNCERTAINTY OF MEASUREMENTS Uncertainty of measurement has been evaluated in compliance with EA-4/02:2013. The expanded uncertainty assigned corresponds to a coverage probability of 95 % and the coverage factor $k = 2$.

NOTES

1. The information appearing on this certificate has been compiled specifically for this instrument. This calibration certificate is produced with traceable and advanced equipment which permit comprehensive quality assurance verification of all data supplied herein.
2. The measurements in this document are traceable to GUM (Central Office of Measures), Poland
3. This calibration certificate shall not be reproduced except in full, without written permission from AcSoft Ltd.

REFERENCE EQUIPMENT

Description	Manufacturer	Model	Serial Number	Last Calibrated
Signal Generator	Svantek	SV401	124	14.09.20
Sound & Vibration Analyser	Svantek	SV912AE	15940	15.09.20
Thermo-Barometer	LAB-EL	LB-706B	912	15.09.20
Acoustical Calibrator	Svantek	SV30A	44775	15.09.20

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurleigh, Bedford, MK44 2YA.

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 3/8

CALIBRATION RESULTS

Calibration results are as follows:

1. Indication at the calibration check frequency

The sound level meter was calibrated in compliance with the instruction manual. During this process, the indication of this SLM was adjusted to the sound pressure level of the sound level calibrator type SV 30A, No 44775, from SVANTEK. The sound pressure level was corrected by the free-field factor.

Deviation of the acoustic pressure measurement of the A-weighted sound level using the sound calibrator type SV 30A, No 44775, from SVANTEK, was made according to the standard reference conditions: for static pressure 1003 hPa, for temperature 24 °C and for relative humidity 60 %, results:

0.0 ± 0.2 dB

The deviation was determined as a difference between the measured sound level and the sound level corrected by the free-field factor appropriate to mentioned sound calibrator.

2. Self-generated noise with microphone installed

Frequency weighting	A
Indication [dB]	n/a

3. Self-generated noise with microphone replaced by the electrical input signal device

Frequency weighting	A	C	Z
Level of self-generated noise [dB]	19.0	19.0	19.0

4. Acoustical signal tests of a frequency weighting C

Frequency	Relative frequency-weighted free-field response	Design-goal frequency weighting	The deviation of frequency weighting	Expanded uncertainty	Acceptable limits
Hz	dB	dB	dB	dB	dB
125.0	-0.26	-0,2	-0.1	0.3	±1.5
1000.0	0.00	0,0	0.0	0.3	±1.1
4000.0	-0.15	-0,8	0.7	0.4	±1.6
8000.0	-1.91	-3,0	1.1	0.4	-3.1; +2.5

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 4/8

5. Electrical signal tests of frequency weightings

Frequency	Design-goal frequency weighting			The deviation of frequency weighting			Expanded uncertainty	Acceptable limits
	A	C	Z	A	C	Z		
Hz	dB	dB	dB	dB	dB	dB	dB	dB
63	-26,2	-0,8	0,0	0,0	0,0	0,0	0,3	±1,5
125	-16,1	-0,2	0,0	0,0	0,0	0,0	0,3	±1,5
250	-8,6	0,0	0,0	0,0	0,0	0,0	0,3	±1,4
500	-3,2	0,0	0,0	0,0	0,0	0,0	0,3	±1,4
1000	0,0	0,0	0,0	0,0	0,0	0,0	0,3	±1,1
2000	1,2	-0,2	0,0	0,0	0,1	0,0	0,3	±1,6
4000	1,0	-0,8	0,0	0,0	0,1	0,0	0,3	±1,6
8000	-1,1	-3,0	0,0	0,1	0,1	0,0	0,4	-3,1; +2,1
16000	-6,6	-8,5	0,0	-0,2	-0,2	0,0	0,6	-17,0; +3,5

6. Frequency and time weightings at 1 kHz

	Sound level				Time-averaged sound level
	A	A	C	Z	A
Frequency weighting	Fast	Slow	Fast	Fast	-
Indication [dB]	114.0	114.0	114.0	114.0	114.0
The deviation of indication from the indication of A-weighted sound level with Fast time weighting [dB]		0.0	0.0	0.0	0.0
Expanded uncertainty [dB]		0.1			
Acceptable limits [dB]		±0.3	±0.4	±0.4	±0.3

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurleigh, Bedford, MK44 2YA.

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 5/8

7. Level linearity

Reference level range: HIGH

Expected sound level	Indication	Level linearity error	Expanded uncertainty	Acceptable limits
dB	dB	dB	dB	dB
140.0	140.0	0.0	0.2	±1.1
139.0	139.0	0.0		
138.0	138.0	0.0		
137.0	137.0	0.0		
136.0	136.0	0.0		
135.0	135.0	0.0		
134.0	134.0	0.0		
129.0	129.0	0.0		
124.0	124.0	0.0		
119.0	119.0	0.0		
114.0	114.0	0.0		
109.0	109.0	0.0		
104.0	104.0	0.0		
99.0	99.0	0.0		
94.0	94.0	0.0		
89.0	89.0	0.0		
84.0	84.0	0.0		
79.0	79.0	0.0		
74.0	74.0	0.0		
69.0	69.0	0.0		
64.0	64.0	0.0		
59.0	59.0	0.0		
54.0	54.0	0.0		
49.0	49.0	0.0		
44.0	44.0	0.0		
43.0	43.0	0.0		
42.0	42.0	0.0		
41.0	41.0	0.0		
40.0	40.0	0.0		

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurlleigh, Bedford, MK44 2YA.

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 6/8

Level range: LOW

Expected sound level	Indication	Level linearity error	Expanded uncertainty	Acceptable limits
dB	dB	dB	dB	dB
125.0	124.3	-0.7	0.2	±1.1
124.0	123.8	-0.2		
123.0	123.0	0.0		
122.0	122.0	0.0		
121.0	121.0	0.0		
120.0	120.0	0.0		
119.0	119.0	0.0		
114.0	114.0	0.0		
109.0	109.0	0.0		
104.0	104.0	0.0		
99.0	99.0	0.0		
94.0	94.0	0.0		
89.0	89.0	0.0		
84.0	84.0	0.0		
79.0	79.0	0.0		
74.0	74.0	0.0		
69.0	69.0	0.0		
64.0	64.0	0.0		
59.0	59.0	0.0		
54.0	54.0	0.0		
49.0	49.0	0.0		
44.0	43.9	-0.1		
39.0	39.0	0.0	0.3	
34.0	33.9	-0.1		
33.0	33.0	0.0		
32.0	32.0	0.0		
31.0	31.0	0.0		
30.0	30.1	0.1		

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurleigh, Bedford, MK44 2YA.

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 7/8

8. Level linearity including the level range control

Level range	HIGH	LOW
Indication for the reference sound pressure level [dB]	114.0	114.0
The deviation of indication [dB]		0.0
Anticipated level that is 5 dB less than the upper limit specified in the instruction manual for level range at 1 kHz [dB]	135.0	122.0
Indication [dB]	135.0	122.0
The deviation of indication [dB]	0.0	0.0
Expanded uncertainty [dB]	0.2	
Acceptable limits [dB]	±1.1	

9. Toneburst response

Measurement quantity	Time weighting	Toneburst duration	The indications in response to toneburst relative to steady sound level	Reference toneburst response relative to steady sound level	Deviation of measured toneburst response from reference toneburst	Expanded uncertainty	Acceptable limits
		ms	dB	dB	dB	dB	dB
Time-weighted sound level	Fast	200	-1.0	-1.0	0.0	0.2	±0.8
		2	-18.1	-18.0	-0.1		-1.8; +1.3
		0.25	-27.2	-27.0	-0.2		-3.3; +1.3
Time-weighted sound level	Slow	200	-7.5	-7.4	-0.1		±0.8
		2	-27.0	-27.0	0.0		-1.8; +1.3
							±0.8
Sound exposure level	-	200	-7.0	-7.0	0.0		-1.8; +1.3
		2	-27.0	-27.0	0.0		-3.3; +1.3
		0.25	-36.1	-36.0	-0.1		

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurleigh, Bedford, MK44 2YA.

Date of issue: 26-04-2021

Certificate No: 1500207-1

Page: 8/8

10. Peak C sound level

Numbers of cycles in test signal	Frequency of test signal	The deviation of indication	Expanded uncertainty	Acceptable limits
	Hz	dB	dB	dB
One	8000	-0.9	0.2	±2.4
Positive half-cycle	500	0.0		±1.4
Negative half-cycle	500	0.0		

11. Overload indication

Frequency weighting A

The difference between the levels of the positive and negative one-half-cycles input signals that first cause the displays of overload indication	Expanded uncertainty	Maximum value of the difference
dB	dB	dB
0.0	0.3	1.8

This calibration was performed by AcSoft Calibration.
AcSoft Calibration is a trading name of AcSoft Ltd, Bedford Technology Park, Thurleigh, Bedford, MK44 2YA.



CERTIFICATE OF CALIBRATION



0653

Date of Issue: 12 July 2022

Certificate Number: UCRT22/1866

Calibrated at & Certificate issued by:

ANV Measurement Systems

Beaufort Court

17 Roebuck Way

Milton Keynes MK5 8HL

Telephone 01908 642846 Fax 01908 642814

E-Mail: info@noise-and-vibration.co.uk

Web: www.noise-and-vibration.co.uk

Acoustics Noise and Vibration Ltd trading as ANV Measurement Systems

Page 1 of 2 Pages
Approved Signatory

B. Bogdan

CUSTOMER

Clement Acoustics Ltd

1B© Yukon Road

London

SW12 9PZ

ORDER No

2207040104

Job No

UKAS22/07441

DATE OF RECEIPT 06 July 2022

PROCEDURE

Procedure TP 1 Calibration of Sound Calibrators

IDENTIFICATION

Sound Calibrator Norsonic type 1251 serial number 31716 with one-inch housing and adapter type 1443 for half-inch microphone

CALIBRATED ON

12 July 2022

PREVIOUS
CALIBRATION

Calibrated on 08 July 2021, Certificate No. UCRT21/1834 issued by this laboratory.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION

UKAS ACCREDITED CALIBRATION LABORATORY No 0653

Certificate No UCRT22/1866

Page 2 of 2 Pages

MEASUREMENTS

The sound pressure level generated by the Sound Calibrator in its half-inch configuration was measured using a B&K type 4134 microphone with the protective grid in position. The microphone sensitivity was traceable to National Standards.

RESULTS

The mean level of the calibrator output was

114.20 ± 0.10 dB rel 20 μ Pa

The fundamental frequency of the sound output was 1001.82 ± 0.12 Hz,
and its total distortion was (0.11 ± 0.02) %.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

During the measurements the laboratory environmental conditions were:

Temperature: 20 to 22 °C

Atmospheric pressure: 101.2 to 101.3 kPa

Relative humidity: 50 to 60 %

The tests carried out were as specified in Annex B of BS EN 60942:2003, but with five determinations of sound pressure level, and limited to the above level(s) & freq(s). The sound calibrator has been shown to conform to the class 1 requirements for periodic testing in Annex B of IEC 60942:2003 for the sound pressure level and frequency stated, for the environmental conditions under which the tests were performed. However, as public evidence was not available, from a testing organisation responsible for pattern approval, to demonstrate that the model of sound calibrator conformed to the requirements for pattern evaluation described in Annex A of IEC 60942:2003, no general statement or conclusion can be made about conformance of the sound calibrator to the requirements of IEC 60942:2003. However it has successfully undergone pattern evaluation to the earlier Standard IEC 942:1988

The results on this certificate only relate to the items calibrated as identified above.

Calibrator adjusted No END

R 1