



Investigation of reports of a Low Frequency noise at Bannel Lane, Penymynydd, Flintshire

GPMS Category	OFFICIAL
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Foreword

In keeping with Natural Resources Wales document entitled 'Classifying and handling sensitive information' this report is marked OFFICIAL due to the redaction of sensitive information (the residential address of the noise monitoring location and personal information gathered during a questionnaire).

This report has been written as internal advice to be used within Natural Resources Wales.

The interpretation of this report outside of Natural Resources Wales is beyond of its intended scope.

The guidance and advice that this report presents does not represent any final decisions or actions by Natural Resources Wales.

1. Executive Summary

- 1.1 Noise Monitoring was undertaken inside a residential property on Bannel Lane, Penymyndd, Flintshire over the period 15th – 20th September 2022. A sound level meter was installed in the property in a location where the noise is audible.
- 1.2 The meter was set up to record environmental noise parameters such as LAeq but was also to continually record 1/3 octave band data and full audio throughout the monitoring period. This would enable an assessment to the Defra NNR45 low frequency noise procedure.
- 1.3 The daytime and night-time acoustic environment is impacted by low frequency industrial type noise, however during the daytime extraneous sound such as traffic noise and activity in or local to the property may have a masking effect.
- 1.4 Daytime sound levels (0700 hrs – 2300 hrs) within the room during the monitoring period ranged from 44 to 60 dB LAeq16hrs, averaging at 50 dB LAeq16hrs.
- 1.5 Night-time sound levels (2300 hrs – 0700 hrs) within the room during the measurement period ranged from 38 to 61 dB LAeq8hrs, averaging at 44 dB LAeq8hrs.
- 1.6 There is an audible low frequency drone during all the noise events logged by the resident. During logged events the following 1/3 octave bands exceed the criteria - 31.5Hz, 40Hz, 63Hz, 80Hz, 100Hz, 125Hz & 160Hz.
- 1.7 During all logged events the 125Hz 1/3 octave band exceeded the criteria curve by the greatest margin or jointly exceeded with other 1/3 octave bands. Correlating exceedance of the criteria curve were identified during the assessment.
- 1.8 The assessment positively identified low frequency noise within the property attributable to a source of an industrial nature. Based on the NRW officer's experience of the locality it is considered that the source of the low frequency noise is Padeswood Cement Works.
- 1.9 NRW believes that the operator of Padeswood Cement Works should conduct plant specific investigations to identify and remediate the potential of the 125 Hz tone being generated on their installation. The operator should also consider abating noise identified in the other 1/3 octave bands that exceeded the criteria curve.

2. Background Information

- 2.1 Residents of a property in Bannel Lane, Penymyndd, Flintshire have been reporting disturbance by a low frequency sound since 2019 to Natural Resources Wales (NRW). The residents believe the droning, pulsing and throbbing sounds that they experience are generated by the adjacent permitted installation, Padeswood Cement Works.. These sounds are perceived to have become more disturbing five years ago. The resident also reported that a new clattering noise that they believe is generated by the installation's vibrator plate which, has started in the previous four weeks.
- 2.2 The property was visited on 15th September 2022 by two officers from NRW's Northeast Wales Industry Regulation Team. A sound level meter was deployed in the property for the purposes of gathering data for a low frequency noise investigation in accordance with NANR45 -Procedure for the investigation of low frequency noise complaints.
- 2.3 Two previous deployments of the sound level meter were made at the property between 2nd - 7th and 9th - 15th September with the objective of completing a NANR45 assessment. During these deployments the residents did not experience or log any significant low frequency noise events and therefore NANR45 assessments were not completed. However, in support of this NANR45 assessment the data was reviewed and analysed for the presence of low frequency sound, the results of which are presented in charts within Appendix 6.
- 2.4 The residents report that the low frequency sound is present for most of the time but identified that the evenings and night-time are usually the most disturbing. The sound is reported to be present in several rooms within the property. The residents report that the sound does not vary with position within any of the rooms. All residents in the house can hear the low frequency sound. The residents report that the low frequency sound has stopped completely when they believe that the installation is not running.
- 2.5 Several occupants of the property are disturbed by the reported noise.
- 2.6 Earlier visits to the property by NRW officers positively identified droning and vibrating sounds from the direction of the installation. During the retrieval of the sound level meter on the 20th September 2022 at 1650 hrs onwards, the officers could perceive a low-level fan noise from the direction of the installation in addition to traffic noise from the nearby A55.

3. Methodology

- 3.1 The method for assessing whether a low frequency tonal noise is present within the residence is Defra procedure NANR45¹. This methodology is an evidenced based objective analysis of the acoustic environment within the resident's property. This procedure was specifically developed for these types of noise complaints.
- 3.2 The procedure uses a criterion reference curve to assess if any tonal noises exist which would account for the observations made by the resident.
- 3.3 The criterion curve from NANR45 is shown below as Figure 1 and the levels in Table 1 below.

Hz	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
dB, Leq	92	87	83	74	64	56	49	43	42	40	38	36	34

Table 1: Reference Curve for the assessment of low frequency noise

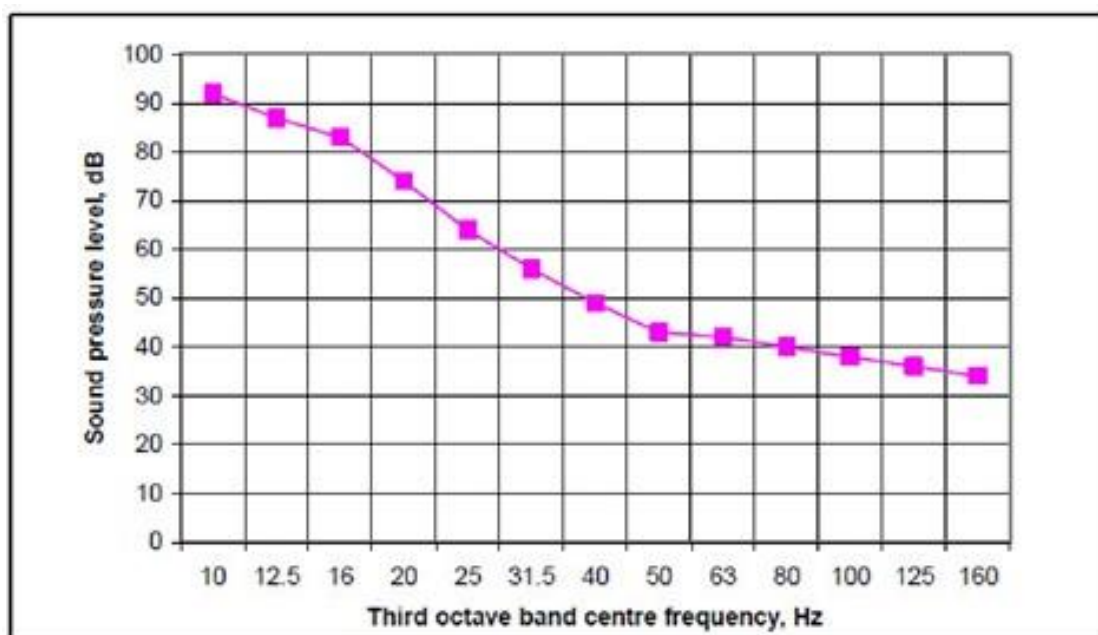


Figure 1: Criterion curve for the assessment of low Frequency noise

- 3.4 A copy of the procedure was given to the resident prior to commencing the monitoring.
- 3.5 The sound level meter was not configured for the recording of the 10 Hz 1/3 octave band upon deployment. Therefore, the 10 Hz 1/3 octave band data was not available for analysis

¹ [Proposed criteria and procedure for assessing low frequency noise \(salford.ac.uk\)](http://proposed.criteria.and.procedure.for.assessing.low.frequency.noise.salford.ac.uk)

4. Residents' Log

- 4.1 The resident's' log is populated with entries relating to low frequency sound events and sounds attributed to the site's vibrator plate. There are five events noted but three categorises of descriptions were attributed to the events: 1) noise; 2) tone or 3) vibrator plates. More than one of the listed descriptors is used to describe the observed sound in some events. Two of the events log a discrete time for the observed sound, whereas three of the events broadly described the observed sound as being continuous.
- 4.2 The entries in the log when the resident perceived the highest disturbance ratings were the discrete events: 18th September 2022 at 1107 hrs (noticeable tone, vibrator plates & noise) when a score of 7 out of 8 was noted (almost intolerable); 20th September 2022 at 0747 hrs (vibrator plates mostly) when a score of 8 out of 8 was noted (intolerable).
- 4.3 Other entries were made for Saturday 17th September 2022 all day and through the night (noise) scored at 5 out of 8, Sunday 18th September 2022 (vibrator plates and noise) when a score of 6 out of 8 was noted, Monday 19th September 2022 all day through to 0700 hrs on the morning of Tuesday 20th September 2022 scored 7 out of 8 (vibrator plates). During all these time periods the observed sound was considered to be disturbing or almost intolerable.
- 4.4 Based on the description and the associated rating of the events, "the noise" and the associated "vibrator plates" were the events which had the highest level of disturbance.
- 4.5 A full version of the resident's log is presented in Appendix 2.

5. Monitoring

- 5.1 Sound monitoring was undertaken over the period 15th – 20th September 2022, using a Bruel & Kjaer 2250 sound level meter. The deployed meter was setup to record continuously. The recording period covered evenings and night-time which was identified by the residents as the most disturbing.
- 5.2 The meter was checked for calibration using a Bruel & Kjaer Type 4231 1kHz field calibrator at 93.8 dB. Field calibration was conducted both prior to the commencement of monitoring and post completion of the monitoring. There was no significant drift on the calibration of the instrument between the start to the end of the monitoring period. Calibration details of the equipment are presented in Appendix 1.
- 5.3 The sound level meter was installed in a room in the property. This room had an external door which, is opened in the day and closed at night.
- 5.4 Prior to setting up the sound level meter the room was audibly checked for any obvious standing waves, which would exhibit high and low levels of sound as the investigator moved around the room. No standing waves were experienced.
- 5.5 The resident confirmed that the low frequency sound was audible in multiple rooms in the property including the room where the sound level meter was installed. It is preferential to utilise an unoccupied room to minimise the anthropogenic sound from within the property but this is not always possible. The presence of anthropogenic sound within the property would reduce the proportional contribution of external sound sources.
- 5.6 During this investigation a particular room was chosen at the request of the resident who did not wish for the sound level meter to be installed in any other room within the house. The chosen room adjoins the kitchen which was the source of extraneous anthropogenic sounds during the daytime.
- 5.7 The meter was set up to record environmental parameters such as LA_{eq}, 1/3 octave information for both LA_{eq} and LZ_{eq}, and to also record full audio. The recording of full audio allows for the screening out any extraneous anthropogenic sound generated from within the resident's premises.
- 5.8 The meter was set up to record all the parameters on 1 second averaging to allow rigorous interrogation of the data, and second by second comparison with the audio files.
- 5.9 The clock on the meter was synchronised with the clock on the deploying officer's mobile phone which matched that of the clock on the mobile phone of the resident. The clock on the resident's mobile phone was used for recording any events.

- 5.10 The numerical data from the noise meter was transferred to computer and analysed using Bruel & Kjaer's BZ5503 Measurement Partner Suite. This software package is supplied for use with the deployed sound level meter.
- 5.11 The audio from the recordings were reviewed using the standard onboard audio controller for the Hewlett-Packard EliteBook 840 GS and a Yamaha MSP5 desktop monitor.

6. Comparison of noise monitoring with resident's log and the NANR45 Criteria

- 6.1 The scored observations from the resident's log were compared with the 1/3 octave readings from the sound level meter to identify trends and to ascertain if logged observations followed the fluctuations in the 1/3 octave band.
- 6.2 There were five events in the resident's log. The log sheet was populated in a manner that primarily covered full days. Two events were logged as discrete short-term events. The two short term events were scored as the most disturbing scores on the log sheet on the 18th September 2022 (noticeable tone & vibe plates & noise) and 20th September 2022 (vibe plates mostly).
- 6.3 Three noise descriptors were used by the resident - noise, tone & vibe plates [sic] (vibration plates).
- 6.4 Of the five events noted, the vibration plates which were described as a new clattering sound in the preliminary interview were noted in all of the events. "Noise" described as pulsing, throbbing, and droning in the preliminary interview was noted in three of the events. The descriptor "noticeable tone" was used in one event. All three descriptors were utilised in one of the most disturbing events.
- 6.5 Due to the broad timescales used in the logs the discrete events were utilised as the focus of analysis with supporting analysis derived from the all-day logs. On days when all day was logged as a disturbance, random sub-samples were audibly assessed to support or allay the assertion that noise was present all day. As noise was identified in these sub-samples throughout the day, the all-day events were included with a focus on night-time period due to extraneous noise during the daytime.

Table 2: LZeq 5-minute sound levels for NRW sampled data. LZeq values highlighted in red exceed the NANR45 criteria curve.

				Frequency (Hz)	12.5	16	20	25	31.5	40	50	63	80	100	125	160
				Criteria (dB)	87	83	74	64	56	49	43	42	40	38	36	34
Event	Date & Time	Rating by resident	Resident's Description	Analysis Period (NRW Sample)												
1	17/09/2022	5	Noise today - all day and through the night	17/09/2022 00:00 - 06:15	55	60	56	55	54	49	37	47	40	40	41	29
2	18/09/2022	6	Vibe plate can be added to the noise early hours and still running (09:13)	18/09/2022 00:00 - 09:15	56	62	56	56	55	49	39	45	40	41	41	31
3	18/09/2022 @11:07	7	Noticeable tone and vibe plates noise	18/09/2022 11:07 - 11:37	54	61	56	56	58	52	41	47	47	43	43	35
4	19/09/2022	7	Vibe plates all day- Tuesday 07:00 same	19/09/2022 00:00 - 06:15	55	61	54	55	54	49	37	44	37	39	40	29
5	20/09/2022 @ 07:47	8	Vibe plates mostly	20/09/2022 07:47 - 08:13	51	56	50	53	56	49	39	37	39	33	37	29

Event 5 (20/09/22 07:47hrs) Rating 8/8 – ‘Vibe Plates Mostly’

- 6.6 A five-minute audio sample was reviewed commencing at 0747 hrs. Subjectively, a rumble and fan type drone plus a vibrating sound is clearly audible throughout the recording. In addition, bird song and what briefly sounds like the drone from a distant aircraft can be heard. At approximately 4 minutes 10 seconds the sound of what appears to be a tractor or similar briefly comes quite close to the monitoring location before becoming inaudible. Due to the presence of extraneous sound in the property over the short 5-minute period, the sample period was extended to 30-minutes from 0747 hrs - 0817 hrs with the extraneous sound excluded.

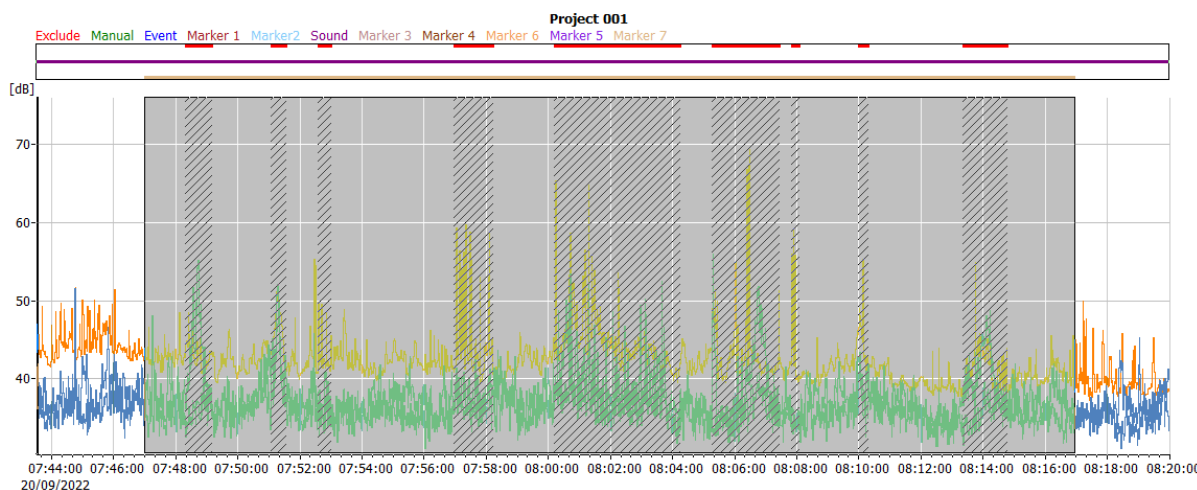


Figure 2: Event 5 Exclusions.

The greyed area references the assessed timeframe. The hatched markings indicate the implemented exclusions.

- 6.7 The remaining 18 minutes of data was subjected to 1/3 octave band analysis which, identifies the 125Hz 1/3 octave band as the band that exceeds the criteria curve by the largest margin. This exceedance was measured at 1 dB.

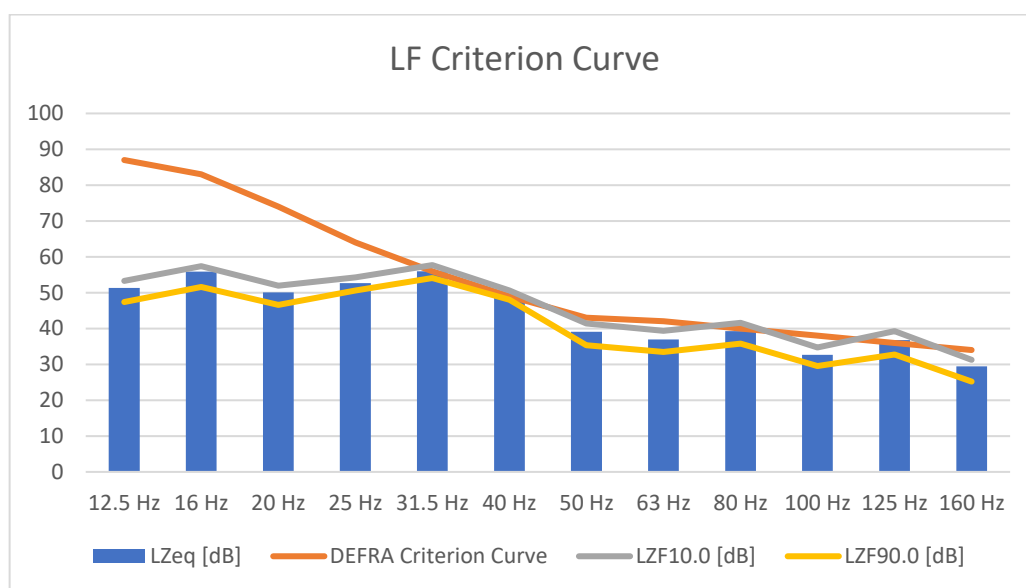


Figure 3: LZeQ levels against NANR45 Criteria levels for Event 5.

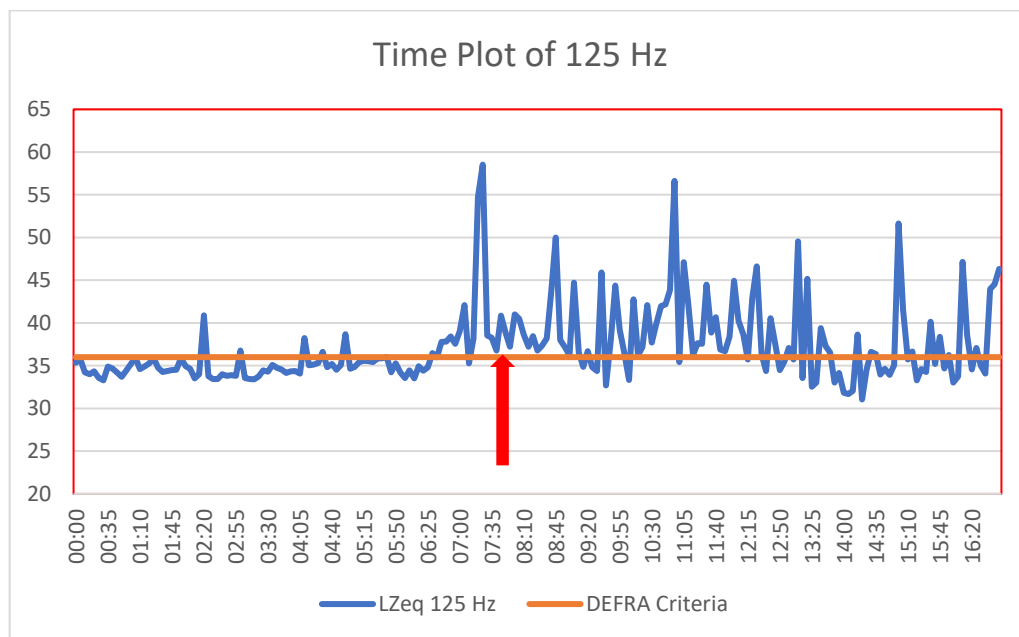


Figure 4: Time plot of 125Hz in Event 5 - 20/09/22

- 6.8 The 125Hz 1/3 octave band time plot displays frequent and sustained exceedance of the criteria curve during the monitored period. The 24-hour period cannot be graphed as the sound level meter was recovered by NRW officers and ceased measurement at 1650 hrs. The red arrow in Figure 4 above denotes the time of the event as logged by the resident.
- 6.9 There is a large spike in the L_{Ze} level for 125 Hz immediately prior to the resident's log, this peaks at 59 dB at 0725 hrs. This event had not been logged by the resident. On review of the audio, it was evident that this spike in sound pressure level was due to a passing train. The other large peaks in the 125 Hz 1/3 octave band throughout the day and night were attributable to other extraneous sounds such as passing aircraft, motorcycles, trains and various activities within the property.
- 6.10 Prior to the 0747 hrs - 0817 hrs time period a rumble and vibrating sound is clearly audible and increases in intensity as the L_{Ze} meets the criteria curve for this 1/3 octave band. The rumble and vibrating sounds are audible between the peaks of extraneous sound in the morning but the character between peaks of extraneous sound changes as the day progresses and appears to be more consistent with traffic noise.

Event 4 (19/09/22 00:00 – 23:59 hrs and 20/09/22 0700 hrs) Rating 7/8 – ‘Vibe plates all day- Tuesday [20/09/22] 07:00 same’

- 6.11 A single event was logged by the resident that straddles two calendar days.
- 6.12 A review of the sound profile for 19/09/22 00:00 hrs – 23:59 hrs indicated a steady sound level (LA_{eq}) throughout the night-time periods with an increase during daytime hours.

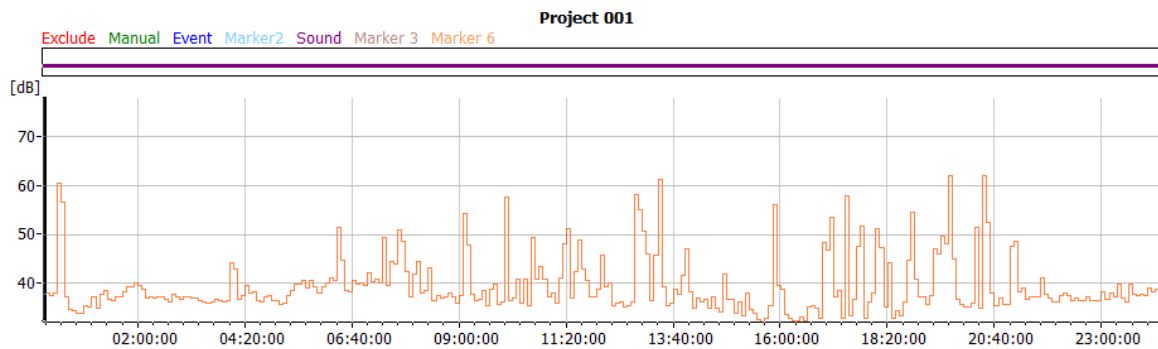


Figure 5: Event 4 Sound Profile (LAeq5 min) 19/09/22, 0000 – 2359 hrs

- 6.13 Daytime audio was sampled. A rumble and vibrating sound are audible throughout the recording. During this period there is an increase in extraneous sound within or local to the property, primarily bird song, dogs barking and the faint sound of a television or radio.
- 6.14 For the event on 20/09/22 at 0700 hrs, an initial audio assessment was carried out for the period 0700 hrs - 0705 hrs during which persistent, distant road traffic noise was audible throughout, along with other extraneous sound. The sample period was extended to 0700 hrs – 0730 hrs but high levels of extraneous sound remained. Due to the high levels of extraneous sound this section of the sample period has been rejected.
- 6.15 The sound level between 0000 hrs and 0615 hrs is steady and therefore the audio was sub sampled during this period by listening to 15 minutes at the start of each hour. A steady rumble, drone and vibration sound can be heard. Due to the presence of extraneous sound in the property during the daytime, only the 0000 hrs - 0615 hrs period on 19/09/22 has been subject to 1/3 octave analysis.

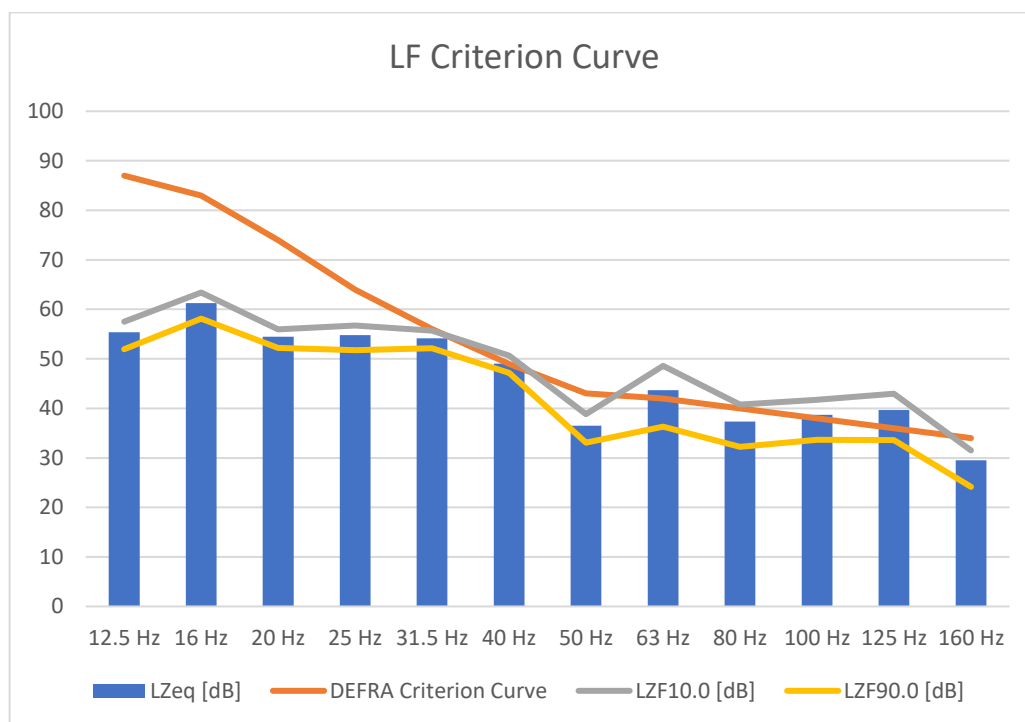


Figure 6: LZeQ levels against NANR45 Criteria levels for Event 4.

- 6.16 1/3 octave bands 63Hz, 100Hz and 125Hz exceeded the criteria by 2, 1 and 4 dB respectively. The 125Hz 1/3 octave band exceeded the criteria curve by the greatest margin and was therefore, plotted for the 24-hour period.

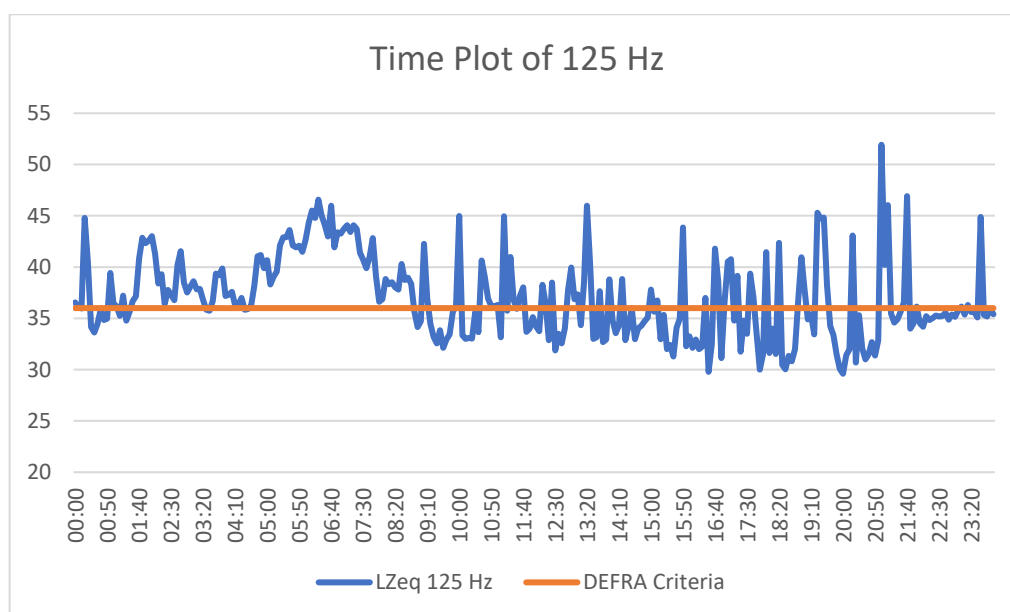


Figure 7: Time plot of 125Hz in Event 4 -19/09/22

- 6.17 The 125Hz 1/3 octave band time plot displays regular and sometimes sustained exceedances of the criteria curve for the 24-hour period, notably between 0430 hrs – 0810 hrs which was subject to full audio analysis. This timeframe is dominated by a rumbling and vibrating sound of an industrial nature. Between 0900 hrs – 2359 hrs,

peaks above 40 dB $L_{Zeq5minutes}$ were subject to audio analysis and found to contain vibration type noise in combination with distant aircraft, rail traffic and other extraneous noise within the property. Subjectively it is considered these peaks are not caused by a single source. In between these peaks, rumbling and vibration type sounds are audible.

Event 3 (18/09/22 11:07 hrs) Rating 7/8 – ‘Noticeable tone and vibe plates noise’

- 6.18 A five-minute sample was reviewed, commencing at 1107 hrs. A deep rumble and fan type sound is clearly audible throughout the recording. The recording also includes the sound of leaf rustle, a dog/animal can be heard walking on the floor, a vibrating sound becomes audible at 2 minutes 10 seconds. The resident's voice is heard briefly at ~ 2 minutes 35 seconds followed by tap running and then impulsive sound in the kitchen. At 3 minutes 43 minutes an aircraft can be heard flying overhead. This aircraft noise does not completely mask the deep rumble.
- 6.19 Due to the presence of extraneous sound in the property over the 5-minute period a 30-minute sample from 1107 hrs - 1137 hrs was reviewed and extraneous noise was excluded. Post exclusion, the remaining 22 minutes of data was subject to 1/3 octave band analysis. The analysis indicates the presence of seven 1/3 octave bands above the criteria curve.

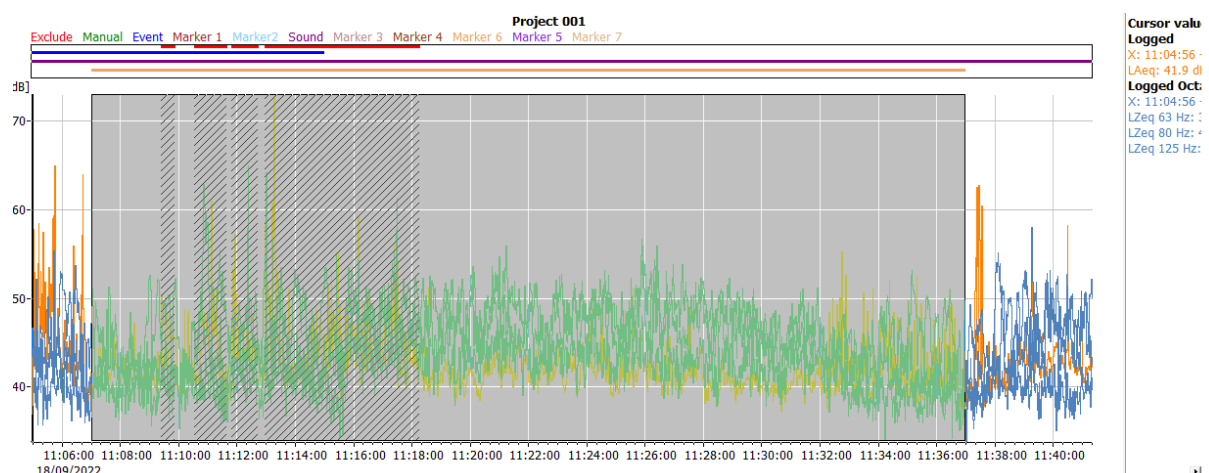


Figure 8: Event 3 Exclusions

The greyed area references the assessed timeframe. The hatched markings indicate the implemented exclusions.

Table 3: Event 3 1/3 Octave Assessment

1/3 Octave Band	LZeq [dB]	DEFRA Criterion Curve	Difference
12.5 Hz	54	87	-33
16 Hz	61	83	-22
20 Hz	56	74	-18
25 Hz	56	64	-8
31.5 Hz	58	56	2
40 Hz	52	49	3
50 Hz	41	43	-2
63 Hz	47	42	5
80 Hz	47	40	7
100 Hz	43	38	5
125 Hz	43	36	7
160 Hz	35	34	1

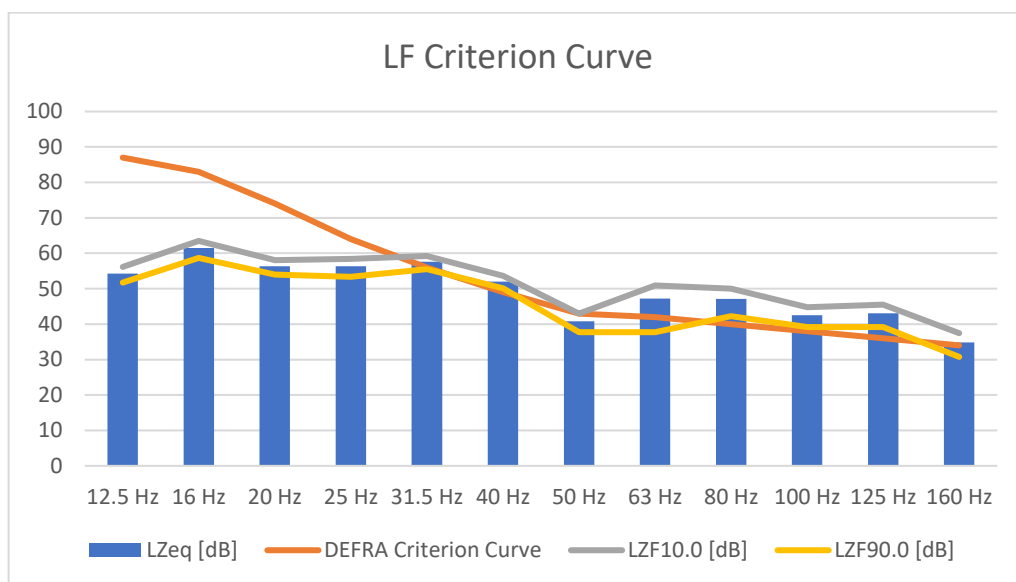


Figure 9: LZeq levels against NANR45 Criteria levels for Event 3

6.20 The 80Hz and 125Hz 1/3 octave bands have been plotted for the 24-hour period having exceeded the criteria curve by the greatest margins of 7 dB LZ_{eq}. The 80Hz 1/3 octave band time plot below, displays intermittent exceedances of the criteria curve.

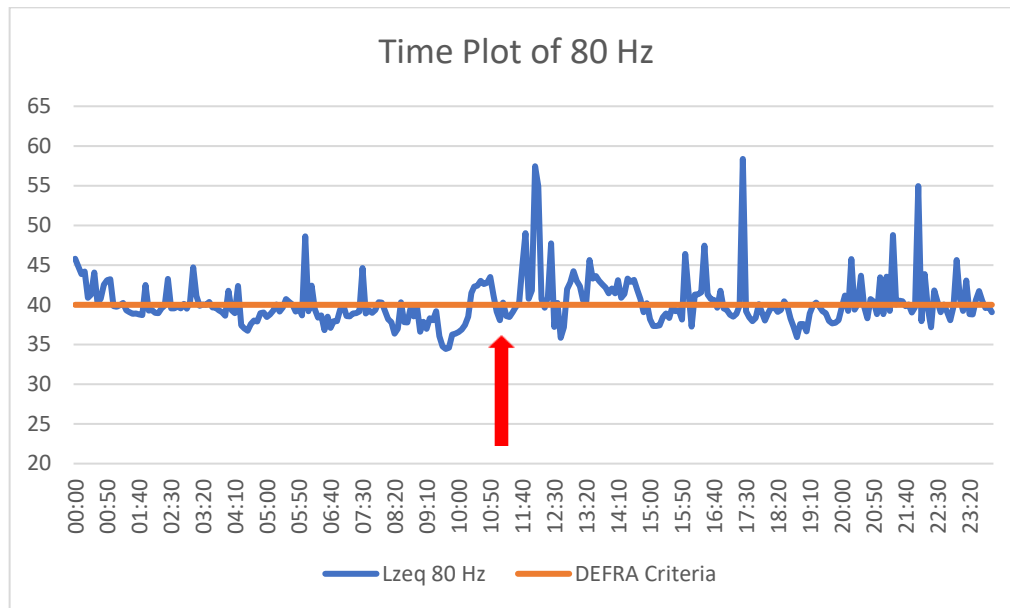


Figure 10: Time plot of 80Hz in Event 3 18/09/22

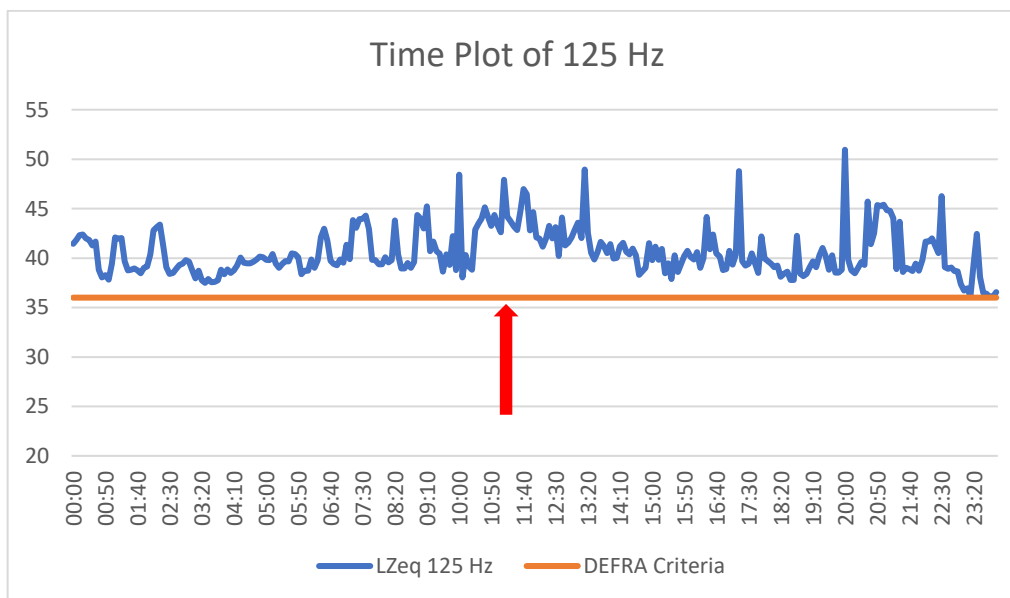


Figure 11: Time plot of 125Hz in Event 3 18/09/22

- 6.21 The 125Hz 1/3 octave band time plot above, displays persistent and sustained exceedance of the criteria curve for the whole 24-hour period. The large peaks in LZ_{eq} for the 125Hz 1/3 octave band arise due to varying sources. From 0820 hrs – 2001 hrs many of these peaks can be attributed to passing aircraft or sound generated within the property however, when the sound level from these sources dissipates the industrial rumble and vibrating sounds are clearly audible and lay above the criteria curve. The peaks prior to 0820 hrs and post 2001 hrs are clearly industrial in nature, comprising of a rumbling low frequency and a vibrating sound. A notable example of this occurs at ~2230 hrs.

Event 2 (18/09/22 0000 – 0913hrs) Rating 6/8 'Vibe plate can be added to the noise early hours and still running (0913)'

6.22 A review of the sound profile for this period shows a steady sound level (L_{Aeq}). Audio was sub-sampled between 0000 hrs- 0915 hrs by listening to 15 minutes at the start of each hour. Within the sub-samples a constant rumbling/droning low frequency industrial type sound with a vibrating sound was clearly audible with little extraneous sound other than bird song at dawn. The 0000 hrs - 0915 hrs period has been subject to 1/3 octave analysis.

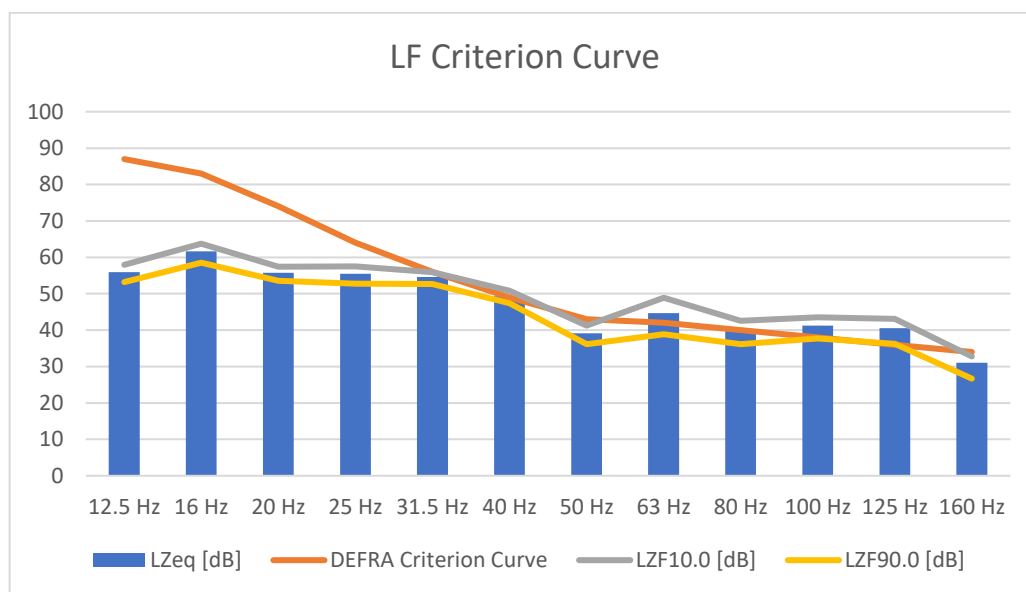


Figure 12: LZeQ levels against NANR45 Criteria levels for Event 2

6.23 125Hz has been plotted for the 24-hour period having exceeded the criteria by the greatest margin at 5 dB L_{Zeq} . The 24-hour time plots Event 2 and Event 3 cover the same 24-hour time period.

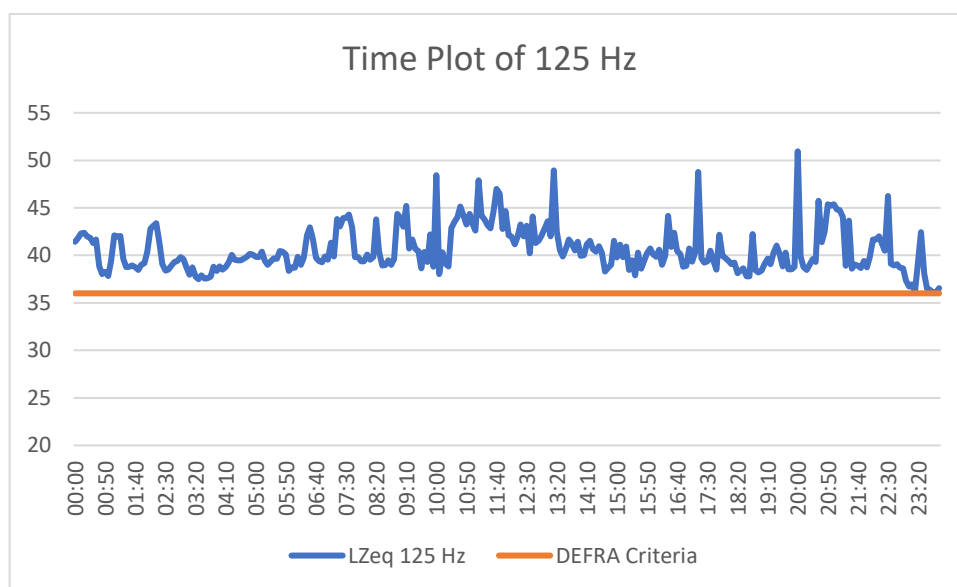


Figure 13: Time plot of 125Hz in Event 2

6.24 The 125Hz 1/3 octave band time plot displays persistent and sustained exceedance of the criteria curve for the whole 24-hour period. The large peaks in LZ_{eq} for the 125Hz 1/3 octave band displayed above arise due to varying sources. From 0820 hrs – 2001 hrs many of these peaks can be attributed to passing aircraft or sound generated within the property however, when the sound level from these sources dissipates the industrial rumble and vibrating sounds are clearly audible and lay above the criteria curve. Event 2 is in relation to the time period of 0000 hrs to 0913 hrs. The peaks prior to 0820 hrs are clearly industrial in nature, comprising of a rumbling low frequency and a vibrating sound, a notable example of this occurs at from 0210 hrs – 0215 hrs.

Event 1 (17/09/22) Rating 5/8 ‘Noise today - all day and through the night’

6.25 A review of the sound profile for this period shows a steady sound level (LA_{eq}) throughout the night-time period with an increase during daytime hours. Daytime audio was sampled, and a rumble and vibrating sound is clearly audible throughout with an increase in extraneous sound within or local to the property, primarily bird song, leaf rustle, dogs barking, occasional aircraft, road traffic noise and trains passing on the local railway line. There is also a regular impulsive sound local to the sound level meter that is of unknown origin, possibly an object blowing in the wind and banging against the conservatory.

6.26 The sound level between 0000 hrs and 0700 hrs is steady and therefore the audio was sub-sampled between 0000 hrs - 0700 hrs by listening to 15 minutes at the start of each hour. Within the sub samples, a constant rumbling/droning low frequency industrial type sound and a vibrating sound was clearly audible with little extraneous sound. Occasional brief rainfall can be heard on the conservatory and also an impulsive sound.

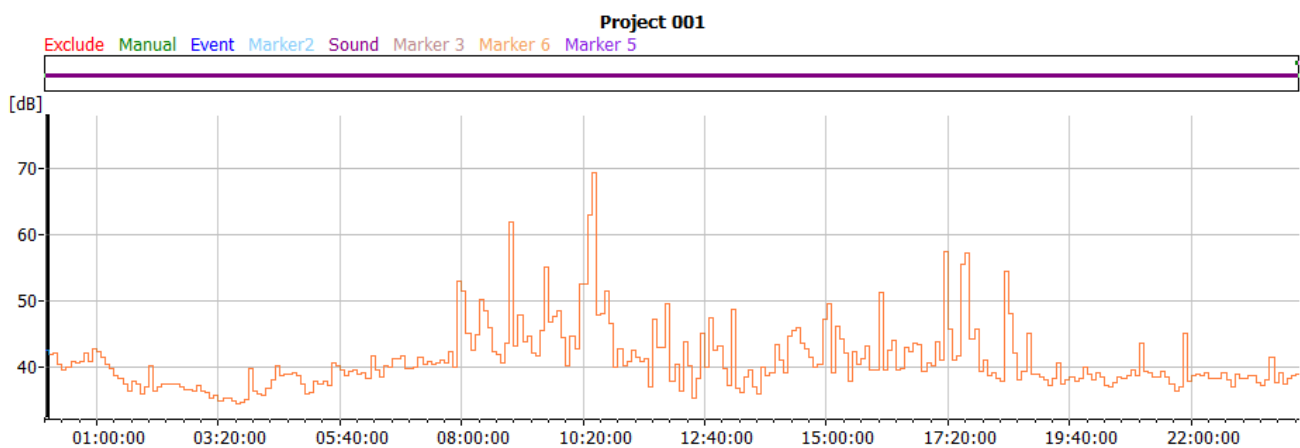


Figure 14: Event 1 Sound Profile (LA_{eq5min}) 0000 – 2359hrs 17/09/22

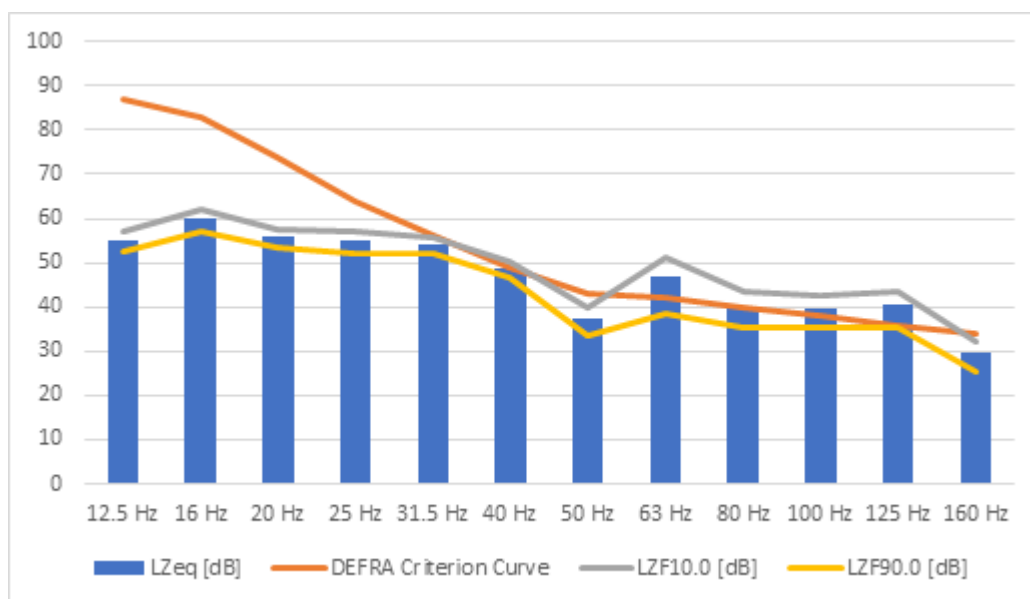


Figure 15: LZeq levels against NANR45 Criteria levels for Event 1

- 6.27 Due to the presence of extraneous sound in the property during the daytime, the 0000 hrs- 0615 hrs period has been subject to 1/3 octave analysis. 63Hz and 125Hz have been plotted for the 24-hour period having each equally exceeded the criteria by the greatest margins at 5 dB. The difference in the recorded levels between LZ_{F10} and LZ_{F90} is >5dB indicating that the sound level for these 1/3 octave bands is not steady as indicated in the charts below.

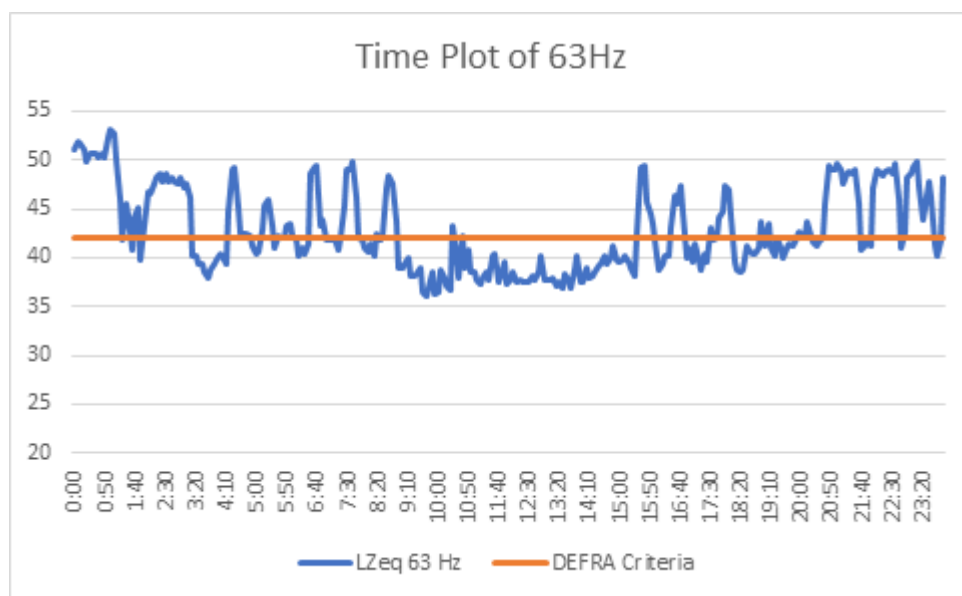


Figure 16: Time plot of 63Hz in Event 1 - 17/09/22

- 6.28 The 63Hz 1/3 octave band time plot displays intermittent exceedance of the criteria curve for the whole 24-hour period. When exceedances occur, these can be sustained events. The pattern indicates a source that increases and decreases in intensity, typically not exceeding 50 dB LZ_{eq} . Audio analysis of the peaks above the criteria

curve generally identifies the presence of a rumble and vibrating sound of an industrial nature.

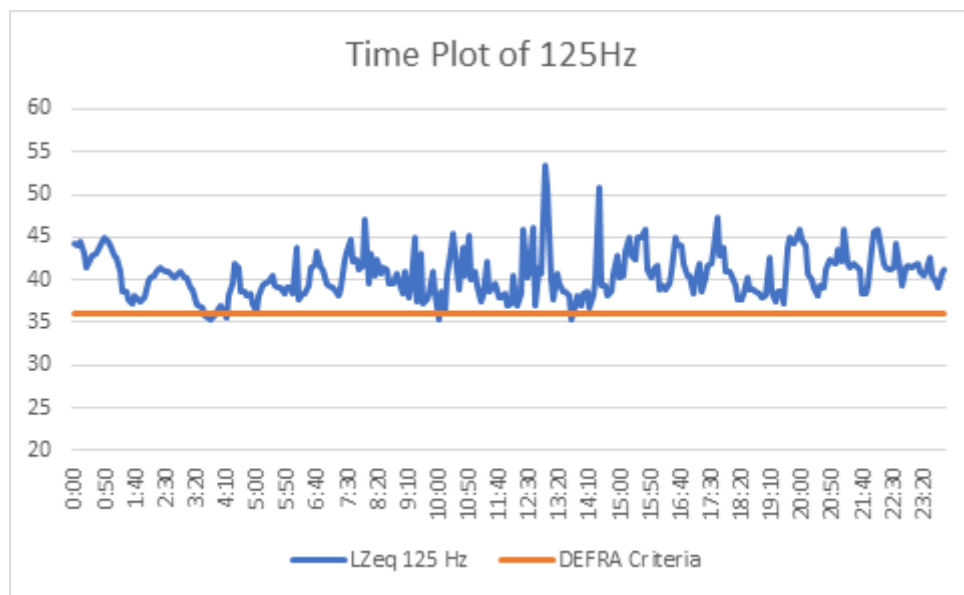


Figure 17: Time plot of 125Hz in Event 1 17/09/22

- 6.29 The 125Hz 1/3 octave band time plot displays persistent and sustained exceedance of the criteria curve for the whole 24-hour period with only four time-limited occasions where measured L_{Zeq} drops below the criteria curve level for this 1/3 octave band.

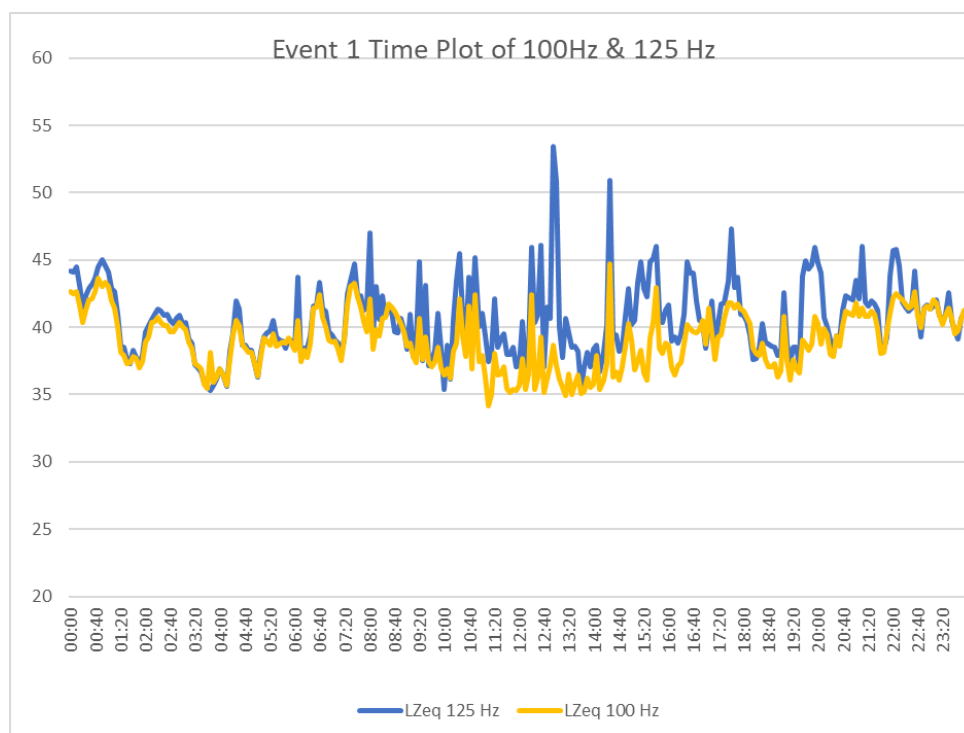


Figure 18: Time plot for 100Hz & 125Hz in Event 1 17/09/22

- 6.30 Figure 19 above displays an apparent correlation between the 100Hz & 125Hz 1/3 octave bands. This may indicate that the source of these 1/3 octave bands originate from the same or related items of plant.

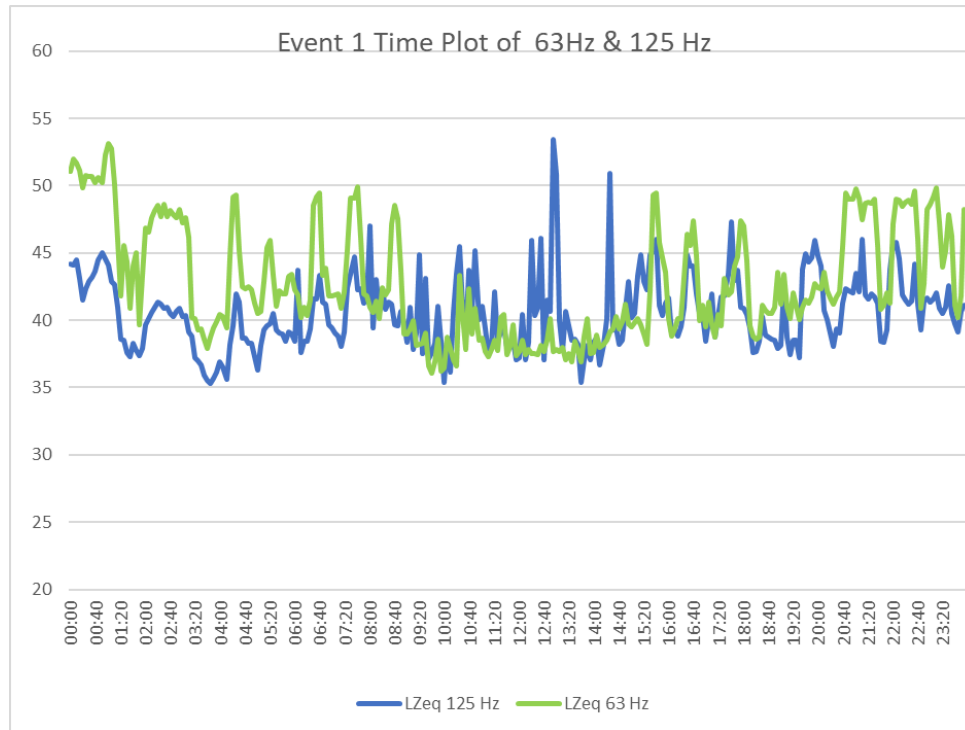


Figure 19: Time plot for 63Hz & 125Hz in Event 1 17/09/22

- 6.31 Figure 20 above displays an apparent correlation between the 63Hz & 125Hz 1/3 octave bands. For ease of reference 63Hz has been plotted against 125Hz only. This may indicate that the source of the 1/3 octave bands 63Hz, 100Hz and 125Hz originate from the same or related items of plant.

7. Conclusion

- 7.1 For the entire period the sound level meter was deployed, several 1/3 octave bands were found to have exceeded the criteria curve when 5-minute averages were assessed. The following 1/3 octave bands breached the criteria curve 25Hz once, 31.5Hz 229 times, 40 Hz 792 times, 50 Hz 45 times, 63Hz 504 times, 80Hz 506 times, 100Hz 784 times, 125Hz 1181 times, 160Hz 237 times.
- 7.2 The 125Hz 1/3 octave band was identified from the measurements to be the band which breached the criteria curve levels for all the logged events. It should be noted that other frequency bands did present breaches in the analysis. The 125Hz 1/3 octave band for Events 2 & 3 are above the criteria curve for the entire 24-hour period. For the other logged events the 125Hz 1/3 octave band breaches the criteria curve regularly and by a significant elevation in sound pressure level throughout the 24-hour period.
- 7.3 For all events the difference between the LZ_{F10} and LZ_{F90} for all 1/3 octave bands exceeding the criteria curve was >5dB. Therefore, the noise is not considered to be steady, and no relaxation of the criteria has been applied.
- 7.4 On review of the events logged by the resident it was evident that audible low frequency noise was present. The receptor's location is close to a busy trunk road and rail line and masking of the noise can occur during periods of high traffic or during rail activity.
- 7.5 With regard to Event 1, the 125Hz and 63Hz 1/3 octave bands exceeded the criteria. It is considered that there is a correlation between the reporter's log and the 125Hz 1/3 octave band as the reporter stated that they were impacted by noise all day and night and during this period the 125Hz 1/3 octave band although variable, consistently exceeded the criteria. The 63Hz 1/3 octave band however, although exceeding the criteria in the evening and night-time, did not exceed the criteria curve in the morning and early afternoon. It does however appear to be anthropogenic in nature due to a clear on / off pattern. Both 1/3 octave bands do not temporally align with the expected contribution from local road traffic noise and on audio review they are considered to be attributed to an industrial source.
- 7.6 With regard to Event 2, the 125Hz 1/3 octave band exceeded the criteria during the reported timeframe of 0000 hrs to 0913 hrs in the reporter's log, however it continued to exceed for the remainder of the day. In addition to Event 2 the reporter only logged Event 3 at 1107 hrs on this date. The 1/3 octave band does not temporally align with the expected contribution from local road traffic noise and on audio review the noise is considered to be attributed to an industrial source. As the reporter only logged disturbance between 0000 hrs to 0913 hrs and at 1107 hrs the event cannot be considered to correlate with the recorded LZ_{eq} .

- 7.7 With regard to Event 3, the 125Hz 1/3 octave band exceeded the criteria at the reported time in the reporter's log, however it exceeded before and after the logged event for the day. In addition to Event 3 the reporter only logged Event 2 between 0000 hrs to 0913 hrs on this date. The 1/3 octave band does not temporally align with the expected contribution from local road traffic noise and on audio review the noise is considered to be attributed to an industrial source. As the reporter only logged disturbance between 0000 hrs to 0913 hrs and at 1107 hrs on this date, the event cannot be considered to correlate with the recorded 125Hz L_{Zeq} . It is noted however that there is an increase in the 125Hz L_{Zeq} shortly before and during the logged event.
- 7.8 The 80Hz 1/3 octave band exceeded the criteria intermittently throughout the 24hr period and shortly before the logged event, however it also exceeded the criteria before and after the logged event. In addition to Event 3 the reporter only logged Event 2 between 0000 hrs to 0913 hrs on this date. The 1/3 octave band does not temporally align with the expected contribution from local road traffic noise and on audio review the noise is considered to be attributed to an industrial source. As the reporter only logged disturbance between 0000 hrs to 0913 hrs and at 1107 hrs on this date, the event cannot be considered to correlate with the recorded 80Hz L_{Zeq} . It is noted however that there is an increase in the 80Hz L_{Zeq} shortly before the logged event.
- 7.9 With regard to Event 4, the 125Hz 1/3 octave band time plot displays regular and sometimes sustained exceedances of the criteria curve for the 24-hour period. It is considered that there is correlation between the reporter's log and the 125Hz 1/3 octave band. Throughout the event a vibration sound of an industrial nature is audible as described by the reporter. The 1/3 octave band does not temporally align with the expected contribution from local road traffic noise and on audio review the noise is considered to be attributed to an industrial source.
- 7.10 With regard to Event 5, at 0747 hrs the 125Hz 1/3 octave band exceeded the criteria following a period from 0000 hrs to 0600 hrs where the L_{Zeq} for this 1/3 octave band generally fell below the criteria. When the reporter logs their comment there is a clear increase in sound level and the audio recording is that of a rumble with a vibrating sound. It is considered that there is a correlation between the reporter's log and the 125Hz 1/3 octave band.
- 7.11 Appendix 6 shows 24-hour period time plots for the 125Hz 1/3 octave bands from the deployment of the sound level meter from the 2nd September 2022 to 15th September 2022 prior to when the reporter logged noise events. During this time frame the 125Hz 1/3 octave band is again the 1/3 octave band that breaches consistently. These time plots show increase L_{Zeq} in this 1/3 octave band as would be expected during the daytime due to localised activity and traffic. There are exceedances of the criteria curve, but these exceedances are lower than during the reporter's logged events.
- 7.12 Figure 21 below shows the trend line for L_{Zeq} for the entire assessment period: 2nd September 2022 to 20th September 2022. The trend for 125Hz 1/3 octave band L_{Zeq} increases overall for this timeframe. It is possible that the reporter is not disturbed by

a technical breach of the criteria curve at 125Hz but is impacted by more significant elevations in LZ_{eq} .

- 7.13 The assessment positively identified low frequency noise within the property attributable to a source of an industrial nature.

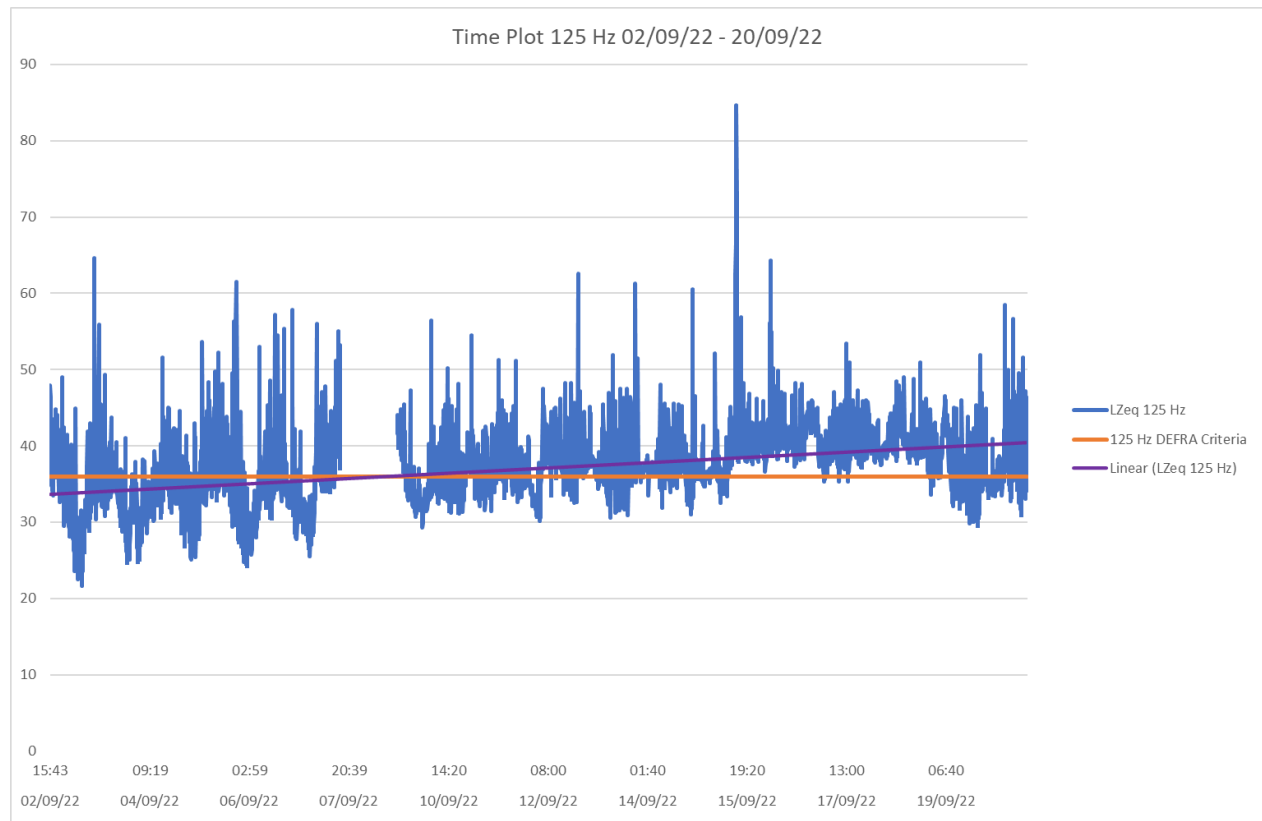


Figure 20: Time plot of 125Hz from 02/09/22 to 20/09/22

1. Appendix 1: Equipment & calibration details

Equipment	Serial Number	Calibration Date	Calibration Due
Bruel & Kjaer 2250 SLM	2661288	10/05/21	May 2023
Bruel & Kjaer calibrator type 4231	3023091	08/06/22	June 2023
Bruel & Kjaer microphone type 4966	3191210	10/05/21	May 2023

2. Appendix 2: Reporter's Noise Log

Event	Date	Time	Rating	Comments
1	17/09/22	All day & night	5	Noise today -all day and through the night
2	18/09/22	Early hours and morning	6	Vibe plate can be added to the noise, early hours and still running (09:13)
3	18/09/22	11:07	7	Noticeable tone + vibe plates + noise
4	19/09/22	All day	6	Vibe plates – all day – Tuesday 07:00 same
5	20/09/22	07:47	8	Vibe plates mostly

3. Appendix 3: 5-minute averages for each logged event

				Frequency (Hz)	12.5	16	20	25	31.5	40	50	63	80	100	125	160
				Criteria (dB)	87	83	74	64	56	49	43	42	40	38	36	34
Event	Date & Time	Rating by resident	Resident's Description	Analysis Period												
1	17/09/2022	5	Noise today - all day and through the night	17/09/2022 00:00 - 23:59	56	61	56	55	55	50	39	45	41	40	42	33
2	18/09/2022	6	Vibe plate can be added to the noise early hours and still running (09:13)	18/09/2022 00:00 - 09:15	56	62	56	56	55	49	39	45	40	41	41	31
3	18/09/2022 @11:07	7	Noticeable tone and vibe plates noise	18/09/2022 11:07 - 11:12 (5min)	54	62	56	56	58	52	41	40	47	44	47	37
4	19/09/2022	7	Vibe plates all day - Tuesday 07:00 same	19/09/2022 00:00 - 23:59	55	59	52	53	55	49	36	41	38	37	39	31
5	20/09/2022 @ 07:47	8	Vibe plates mostly	20/09/2022 07:47 - 07:52 (5 min)	53	58	51	53	56	50	41	38	41	36	42	33

4. Appendix 4: Audio analysis of ranked events

Event	Date & Time	Rating by resident	Resident's description	Analysis Period	Description of Event's Audio
1	17/09/2022	5	Noise today - all day and through the night	17/09/2022 00:00 - 23:59	A review of the sound profile for this period shows a steady sound level (LAeq) throughout the night-time period with an increase during daytime hours. Daytime audio was sampled randomly, a rumble and vibrating sound is clearly audible throughout with an increase in extraneous sound within or local to the property primarily bird song, leaf rustle, dogs barking, occasional aircraft, road traffic noise and trains passing on the local railway line. There is also a regular impulsive sound local to the SLM that is of unknown origin, possibly an object blowing in the wind and banging against the conservatory. The sound level between 00:00 and 07:00 is steady and therefore the audio was sub sampled between 00:00 - 07:00 by listening to 15 minutes at the start of each hour. Within the sub samples a constant rumbling / droning low frequency industrial type sound and a vibrating sound was clearly audible with little extraneous sound. Occasional brief rainfall on the conservatory roof present and also an impulsive sound. Due to the presence of extraneous sound in the property during the daytime the 00:00 - 06:15 period has been subject to 1/3 octave analysis.
2	18/09/2022	6	Vibe plate can be added to the noise early hours and still running (09:13)	18/09/2022 00:00 - 09:15	A review of the sound profile for this period shows a steady sound level (LAeq). Audio was sub sampled between 00:00 - 09:15 by listening to 15 minutes at the start of each hour. Within the sub samples a constant rumbling / droning low frequency industrial type sound with vibrating sound was clearly audible with little extraneous sound other than bird song at dawn. The 00:00 - 09:15 period has been subject to 1/3 octave analysis.

3	18/09/2022 @11:07	7	Noticeable tone and vibe plates noise	18/09/2022 11:07 - 11:12	A five-minute sample was reviewed starting at 11:07. A deep rumble and fan type sound is clearly audible throughout the recording, the sound of leaf rustle is audible, a dog can be heard walking on the floor, vibrating sound becomes audible at 02:10 into the recording. Resident's voice heard briefly at ~ 02:35 into the recording followed by tap running and then impulsive sound in kitchen. At 03:43 into the recording aircraft can be heard flying overhead but the rumble is not completely drowned out. Impulsive noise in the kitchen and the sound of somebody stirring a cup can be heard. Due to the presence of extraneous sound in the property over the 5-minute period a 30-minute sample from 11:07 - 11:37 has been subject to 1/3 octave analysis with extraneous noise excluded.
4	19/09/2022	7	Vibe plates all day - Tuesday 07:00 same	19/09/2022 00:00 - 23:59	A review of the sound profile for this period shows a steady sound level (LAeq) throughout the night time period with an increase during daytime hours. Daytime audio was sampled randomly, a rumble and vibrating sound is clearly audible throughout. There is an increase in extraneous sound within or local to the property primarily bird song, dogs barking and the faint sound of a television or radio. The trace between 00:00 and 07:15 is steady and therefore the audio was sub sampled between 00:00 - 07:15 by listening to 15 minutes at the start of each hour. A steady rumble, drone and vibration sound can be heard along with the occasional impulsive sound close to SLM. There are also occasional distant high-pitched squeals. A short rain shower was audible, the rumble and drone remained audible during the rain. Occasional bird song audible, increasingly so towards the end of period. Due to the presence of extraneous sound in the property during the daytime the 00:00 - 06:15 period on 19/09/22 has been subject to 1/3 octave analysis.

4	20/09/2022	7	Vibe plates Tuesday 07:00 (taken from Event 4)	20/09/22 07:00 - 07:30	An initial audio assessment was carried out for the period 07:00 - 07:05 during which persistent distant road traffic noise was audible throughout with occasional car/bike exhaust noise, occasional rattling/banging inside property, periods of possible fan noise with an oscillating higher pitched tone. Vibration sounds audible at times. Due to the presence of road traffic noise over the 5-minute period a 30-minute sample from 11:05 - 11:35 was subject to further assessment and the sound was found to be as per that described above plus, a single aircraft flying overhead and a loud diesel train / locomotive passing on the nearby railway between 07:22 and 07:27. Due to the high proportion of extraneous sound during this sample period it has been rejected from further assessment.
5	20/09/2022 @ 07:47	8	Vibe plates mostly	20/09/2022 07:47 - 07:52	A five-minute sample was reviewed starting at 07:47. A rumble and fan type drone plus a vibrating sound is clearly audible throughout, along with bird song and what briefly sounds like the drone from a distant aircraft flying over. At approx. 4 minutes 10 seconds what sounds like a tractor or similar briefly comes quite close to the monitoring location before becoming inaudible at 4mins 30. Due to the presence of extraneous sound in the property over the 5-minute period a 30-minute sample from 07:47 - 08:17 has been subject to 1/3 octave analysis with extraneous sound excluded.

5. Appendix 5: 5-minute averages for monitoring period

Project 001	Report												
Start	Stop	LZeq 12.5 Hz	LZeq 16 Hz	LZeq 20 Hz	LZeq 25 Hz	LZeq 31.5 Hz	LZeq 40 Hz	LZeq 50 Hz	LZeq 63 Hz	LZeq 80 Hz	LZeq 100 Hz	LZeq 125 Hz	LZeq 160 Hz
15/09/2022 2 17:20	17:25	58.83	61.1	56.3	56.44	58.77	52.44	44.62	43.61	45.8	41.27	47.8	41.47
15/09/2022 2 17:25	17:30	57.6	62.22	56.66	56.3	58.35	52.56	42.36	41.51	44.82	40.89	46.44	41.7
15/09/2022 2 17:30	17:35	59.86	63.46	58.6	57.17	57.34	51.64	41.27	40.54	43.88	41.03	45.01	42.31
15/09/2022 2 17:35	17:40	55.86	60.05	55.6	55.8	56.71	51.37	40.4	39.97	44.18	40.32	40.84	33.45
15/09/2022 2 17:40	17:45	58.66	60.86	56.7	55.98	56.7	51.55	41.22	38.66	40.88	40.74	44.89	38.92
15/09/2022 2 17:45	17:50	60.84	61.94	56.85	57.31	59.78	52.98	44.69	39.29	41.27	39.81	41.19	33.42
15/09/2022 2 17:50	17:55	61.51	61.56	57.2	57.52	59.53	52.73	44.73	40.44	44.07	41.81	48.21	39.94
15/09/2022 2 17:55	18:00	57.04	58.8	55.26	55.69	55.98	50.97	39.98	37.53	40.22	40.51	40.28	31.97
15/09/2022 2 18:00	18:05	56.29	60.37	55	55.78	56.42	51.23	41.5	38.96	40.75	39.63	40.38	32.06
15/09/2022 2 18:05	18:10	55.84	59.35	55.16	55.85	56.22	50.95	40.04	37.72	42.53	41.13	40.16	37.01
15/09/2022 2 18:10	18:15	55.92	59.12	55.4	56.27	56.79	51.17	39.89	38.03	43.1	45.5	41.01	34.65
15/09/2022 2 18:15	18:20	61.63	65.8	60.2	58.56	59.93	54.05	44.69	41.8	43.24	43.43	44	37.39
15/09/2022 2 18:20	18:25	56.76	60.92	55.71	55.57	54.09	49.07	38.08	40.16	39.85	38.87	38.89	31.1
15/09/2022 2 18:25	18:30	57.37	61.3	55.77	55.82	54.2	49.09	37.93	40.26	39.77	38.56	38.52	30.07
15/09/2022 2 18:30	18:35	55.87	61.03	54.9	55.48	54	48.87	37.75	39.98	39.95	40.08	43.55	32.09

15/09/2022 2 18:35	18:40	56.1	61.98	55.18	55.98	53.72	48.6	37.49	39.04	40.22	41.1	44.72	32.56
15/09/2022 2 18:40	18:45	56.22	61.91	55.15	55.46	53.97	48.73	37.45	39.07	39.32	38.69	43.24	31.07
15/09/2022 2 18:45	18:50	56.26	61.48	55.05	55.18	54.25	48.82	37.73	38.99	39.05	37.91	38.47	31.26
15/09/2022 2 18:50	18:55	56.56	61.38	55.47	55.47	54.17	48.71	37.43	39.31	38.87	38.04	38.04	28.91
15/09/2022 2 18:55	19:00	55.89	59.94	55.28	55.15	53.96	48.56	37.99	39.33	38.92	37.8	38.51	29.89
15/09/2022 2 19:00	19:05	55.86	59.81	55.22	55.38	53.89	48.74	37.61	39.49	38.78	37.6	38.45	28.79
15/09/2022 2 19:05	19:10	55.77	60.83	55.08	55.21	53.73	48.72	38.19	39.39	38.71	37.94	39.48	32.02
15/09/2022 2 19:10	19:15	56.07	61.95	55.08	55.28	54.01	48.89	38.28	40.16	42.51	38.56	40.32	30.57
15/09/2022 2 19:15	19:20	55.71	61.19	54.95	55.18	53.93	48.68	37.95	39.45	39.27	37.47	37.88	28.41
15/09/2022 2 19:20	19:25	56.07	61.39	54.82	55.59	54.28	49.23	38.11	39.81	39.35	37.84	38.77	31.47
15/09/2022 2 19:25	19:30	56.29	60.75	55.32	55.38	54.17	48.91	37.81	39.13	39	37.72	38.6	31.04
15/09/2022 2 19:30	19:35	56.27	60.28	55.38	55.39	54.16	48.93	37.25	39.38	38.94	37.61	38.1	29.32
15/09/2022 2 19:35	19:40	55.94	60.27	55.09	55.18	54.29	49.02	37.7	39.93	39.56	38.17	39.59	32.85
15/09/2022 2 19:40	19:45	55.26	61.38	55.09	55.22	54.04	49.05	37.62	39.74	39.93	38.7	40.38	29.61
15/09/2022 2 19:45	19:50	56.04	61.54	56.32	56.57	54.47	49.16	38.09	40.48	43.25	38.18	38.56	29.09
15/09/2022 2 19:50	19:55	55.88	62.28	55.79	55.97	54.38	49.21	37.76	40.21	39.57	38.94	40.21	29.31
15/09/2022 2 19:55	20:00	56.17	61.49	56.09	55.91	54.36	49.15	37.9	40.27	39.57	40.86	45.63	32.02
15/09/2022 2 20:00	20:05	56.33	61.92	55.67	55.1	54.23	49.07	38.1	40.6	39.8	38.75	38.79	29.16

15/09/2022 2 20:05	20:10	56.22	62.15	55.79	55.19	54.21	48.98	37.94	41.13	39.56	38.63	38.97	29.07
15/09/2022 2 20:10	20:15	56.44	61.77	55.34	55.2	54.25	49.17	37.95	40.52	40.1	38.9	39.13	28.94
15/09/2022 2 20:15	20:20	56.14	61.85	55.14	55.17	54.19	49.08	37.79	40.13	39.51	38.77	39.03	28.9
15/09/2022 2 20:20	20:25	56.23	61.52	55.41	55.08	54.12	49.14	38.03	40.51	40.32	39	38.95	28.33
15/09/2022 2 20:25	20:30	56.04	60.68	55.61	55.26	54.06	49.19	39.74	41.53	44.7	41.2	46.9	37.2
15/09/2022 2 20:30	20:35	56.39	61.12	55.51	55.92	54.8	49.65	39.17	40.93	41.14	39.32	39.72	30.25
15/09/2022 2 20:35	20:40	55.74	60.94	55.21	55.75	54.61	49.33	37.31	40.54	39.87	38.85	39.17	29.93
15/09/2022 2 20:40	20:45	56.56	60.58	56.37	56.05	54.56	49.29	37.85	40.58	40.02	38.86	39.22	29.62
15/09/2022 2 20:45	20:50	56.23	59.71	55.25	55.32	54.34	49.05	37.47	40.38	40	38.92	39.09	30.4
15/09/2022 2 20:50	20:55	56.46	60.67	55.85	55.71	54.32	49.04	37.93	40.25	40.37	39.1	39.77	30.6
15/09/2022 2 20:55	21:00	56.31	60.82	56.17	55.71	54.4	49.17	38.54	40.24	39.69	39.05	38.66	28.93
15/09/2022 2 21:00	21:05	56.2	60.98	55.19	55.28	54.18	48.95	37.39	39.8	39.63	38.45	38.45	28.86
15/09/2022 2 21:05	21:10	56.41	60.27	55.09	55.23	54.02	48.64	37.11	39.86	39.31	38.37	38.11	29.09
15/09/2022 2 21:10	21:15	56.11	60.2	55.32	55.37	54.36	48.86	36.97	39.74	39.08	38.67	38.56	29.5
15/09/2022 2 21:15	21:20	55.75	61.72	55.18	55.13	53.97	48.52	36.65	39.33	38.64	38.03	38.16	28.44
15/09/2022 2 21:20	21:25	55.53	61.29	55.05	54.77	53.81	48.72	37.07	41.19	41.78	41.03	43.03	35.23
15/09/2022 2 21:25	21:30	57.88	63.8	58.45	56.37	54.33	49.15	37.11	39.19	39.32	36.71	38.19	28.88
15/09/2022 2 21:30	21:35	56.13	62.22	55.46	55.1	56.22	50.33	37.6	40.26	38.93	38.21	38.07	31.08

15/09/2022 2 21:35	21:40	58.52	64.2	57.2	57.09	56.93	50.66	39.91	40.83	42.37	40.43	40.82	34.61
15/09/2022 2 21:40	21:45	56.08	61.14	55.4	54.81	54.32	48.72	37.65	40.31	37.42	37.44	38.37	28.48
15/09/2022 2 21:45	21:50	56.64	61.71	55.55	54.79	53.84	48.23	37.38	39.63	37.02	37.26	37.73	27.9
15/09/2022 2 21:50	21:55	56.79	62.28	55.26	54.62	53.47	48.17	37.12	39.72	36.74	37.29	37.59	27.23
15/09/2022 2 21:55	22:00	56.55	62.82	55.55	54.87	53.71	48.52	37.71	40.16	37.59	37.89	38.31	28.82
15/09/2022 2 22:00	22:05	56.73	61.81	55.47	54.75	53.71	48.35	37.63	40.54	38.04	38.03	38.51	29.44
15/09/2022 2 22:05	22:10	56.42	61.43	55.36	54.92	53.81	48.48	37.38	40.49	37.9	37.83	38.37	28.97
15/09/2022 2 22:10	22:15	56.93	61.57	56.61	55.34	53.68	48.45	37.58	43.77	38.94	38.03	39	30.49
15/09/2022 2 22:15	22:20	56.54	59.96	55.23	55.02	53.59	48.67	37.59	41.46	39.01	38.39	39.39	32.74
15/09/2022 2 22:20	22:25	56.49	60.35	54.86	55.06	53.66	48.62	37.02	42.21	38.47	38.53	39.66	30.86
15/09/2022 2 22:25	22:30	56.4	60.75	55.25	55.33	53.88	48.79	37.95	41.19	38.77	38.5	39.21	29.62
15/09/2022 2 22:30	22:35	56.73	59.1	55.87	56.14	53.68	48.63	37.47	43.23	39.26	38.56	39.18	30.92
15/09/2022 2 22:35	22:40	57.03	59.92	55.72	55.89	53.74	48.61	37.35	44.04	40.03	38.91	39.48	31.03
15/09/2022 2 22:40	22:45	57.31	60.79	55.91	55.13	53.98	48.66	37.41	41.86	39.15	39.31	40.39	30.99
15/09/2022 2 22:45	22:50	56.88	61.55	55.44	55.17	54.01	48.84	38.15	45.87	39.69	40.56	42.56	30.95
15/09/2022 2 22:50	22:55	57.08	60.75	55.82	55.38	53.74	48.57	38.48	49.01	40.74	40.77	42.19	32.17
15/09/2022 2 22:55	23:00	57.52	60.89	55.78	55.81	53.99	48.65	38.2	48.47	40.34	40.15	42.04	31.34
15/09/2022 2 23:00	23:05	56.8	60.14	55.71	55.67	53.73	48.72	38.82	47.36	40.04	40.88	43.08	32.21

15/09/2022 2 23:05	23:10	57.31	60.38	55.75	55.54	53.76	49	38.23	41.56	39.14	39.59	41.19	30.56
15/09/2022 2 23:10	23:15	56.78	60.54	55.56	55.35	53.72	48.61	37.5	44.79	39.61	39.21	39.96	31.15
15/09/2022 2 23:15	23:20	56.96	60.29	55.36	55.41	53.63	48.58	37.2	44.6	38.65	38.65	39.37	30.35
15/09/2022 2 23:20	23:25	57.18	60.16	55.41	55.3	53.4	48.6	37.02	42.29	48.62	40.96	39.11	31.08
15/09/2022 2 23:25	23:30	57.71	61.23	56.18	55.73	53.85	48.7	38	46.24	39.21	38.74	39.49	30.58
15/09/2022 2 23:30	23:35	58.01	61.15	56.43	56.43	54.28	49.1	39.18	44.49	42.4	41.26	46.25	38.12
15/09/2022 2 23:35	23:40	57.49	60.94	55.31	55.3	53.63	48.31	37.18	42.33	39.44	37.97	38.91	29.93
15/09/2022 2 23:40	23:45	57.01	60.23	55	55.19	53.27	47.96	37.29	43.14	38.39	37.94	38.6	29.65
15/09/2022 2 23:45	23:50	57.4	60.16	55.25	55.07	53.42	47.99	37.19	40.16	38.65	37.69	38.4	29.33
15/09/2022 2 23:50	23:55	57.05	59.77	54.93	55.03	53.56	48.23	37.08	39.82	36.83	37.41	38.39	27.64
15/09/2022 2 23:55	00:00	56.61	59.73	55.12	55.07	53.38	48.39	37.9	40.69	38.5	37.99	39.89	29.86
16/09/2022 2 00:00	00:05	56.63	60.35	55.46	55.4	53.26	48.19	37.03	40.12	37.08	37.54	37.92	27.96
16/09/2022 2 00:05	00:10	57.01	60.67	55.51	55.33	53.7	48.32	37.28	40.48	37.96	38.23	39.27	29.34
16/09/2022 2 00:10	00:15	56.51	60.37	55.18	55.59	53.64	48.53	37.26	40.29	37.96	38.69	39.26	29.12
16/09/2022 2 00:15	00:20	56.72	60.22	55.38	55.23	53.39	48.58	37.6	40.6	39.38	39.71	41.68	33.48
16/09/2022 2 00:20	00:25	56.88	60.46	55.15	55.25	53.37	48.32	37.5	41	39.96	39.04	41.11	32.36
16/09/2022 2 00:25	00:30	57.74	60.71	55.79	55.34	53.63	48.51	37.65	40.72	38.58	38.88	39.67	30.05
16/09/2022 2 00:30	00:35	57.47	60.28	56.01	55.72	53.5	48.38	37.68	40.86	38.53	38.84	39.56	29.47

16/09/2022 2 00:35	00:40	58.14	59.81	56.73	56.44	54.11	48.87	38.02	41.6	38.91	39.11	39.72	29.98
16/09/2022 2 00:40	00:45	57.6	60.23	55.93	55.88	53.83	48.53	38.19	41.61	38.93	38.75	39.57	29.65
16/09/2022 2 00:45	00:50	57.43	59.77	55.6	55.33	53.84	48.63	37.9	41.92	39.14	38.85	39.54	30.16
16/09/2022 2 00:50	00:55	57.37	60.17	56.27	55.67	54.3	49.03	38.31	43.53	44.64	39.88	40.38	30.65
16/09/2022 2 00:55	01:00	57.55	59.66	56.45	55.76	54.05	49.04	38.07	41.95	38.9	38.85	39.66	30.13
16/09/2022 2 01:00	01:05	57.36	59.59	56.08	55.72	54.08	48.86	38.1	42.18	39.32	39.09	39.87	30.69
16/09/2022 2 01:05	01:10	57.5	59.45	55.81	55.46	54.15	48.75	37.92	42.39	39	38.95	39.85	30.02
16/09/2022 2 01:10	01:15	57.37	59.84	55.99	55.49	55.29	49.96	40.93	43.51	39.34	39.72	41.2	30.15
16/09/2022 2 01:15	01:20	57.16	60.91	55.86	55.95	53.98	49.14	38.44	43.01	40.3	40.23	43.03	34.2
16/09/2022 2 01:20	01:25	56.46	62.13	55.37	55.74	53.93	49.37	37.96	42.42	40.29	40.31	41.45	31.97
16/09/2022 2 01:25	01:30	56.13	61.61	55.28	55.58	53.76	48.99	37.59	41.42	39.23	39.67	40.39	30.73
16/09/2022 2 01:30	01:35	55.67	62	54.89	55.39	53.45	48.57	36.5	40.5	38.19	39.14	40.46	31.92
16/09/2022 2 01:35	01:40	55.36	62.93	54.72	54.71	52.59	47.83	35.94	42.95	37.83	37.55	39.58	33.55
16/09/2022 2 01:40	01:45	55.51	62.65	54.74	55.13	53.02	48.16	36.4	42.62	36.37	37.74	39.65	32.77
16/09/2022 2 01:45	01:50	56.26	59.76	53.97	54.85	52.83	48	35.85	39.85	36.96	38.18	40.54	33.62
16/09/2022 2 01:50	01:55	56.03	59.26	54.33	55.14	52.66	48.14	38.57	42.62	40.31	41.78	43.13	37.6
16/09/2022 2 01:55	02:00	56.11	58.64	54.22	55.46	53.05	48.28	39.46	42.43	37.82	38.33	40.37	34.06
16/09/2022 2 02:00	02:05	61.08	61.34	54.89	60.06	53.8	48.63	37.37	40.54	37.79	38.79	39.09	31.2

16/09/2022 2 02:05	02:10	56.93	58.97	53.79	54.89	53.03	48.54	37.6	43.94	39.54	39.66	43.88	38.15
16/09/2022 2 02:10	02:15	57	62.1	54.65	54.87	53.05	48.04	37.45	39.91	38.53	38.92	43.91	38.87
16/09/2022 2 02:15	02:20	55.36	63.31	54.92	54.98	52.81	47.44	36.13	42.88	39.79	40.12	45.92	41.04
16/09/2022 2 02:20	02:25	55.43	63.66	55.29	55.2	52.87	47.82	36	39.43	36.63	37.97	41.21	35.67
16/09/2022 2 02:25	02:30	55.58	64.11	55.25	55.18	53.21	48.11	36.05	45.73	37.86	37.98	39.67	32.85
16/09/2022 2 02:30	02:35	57.08	61.94	54.66	55.21	53.92	48.41	36.45	40.59	36.96	38.22	38.44	29.14
16/09/2022 2 02:35	02:40	57.9	60.02	54.47	55.44	53.55	48.38	36.82	45.61	38.32	38.91	40.78	33.82
16/09/2022 2 02:40	02:45	57.4	60.71	54.76	55.51	53.6	48.36	36.85	43.47	38.05	38.55	41.14	34.77
16/09/2022 2 02:45	02:50	55.63	58.57	54.28	55.57	53.46	48.2	36.48	42.23	39.21	38.89	41.74	35.29
16/09/2022 2 02:50	02:55	54.7	58.25	53.71	54.77	52.78	47.76	35.61	43.44	36.06	37.47	38.95	31.2
16/09/2022 2 02:55	03:00	53.67	58.03	52.89	54.37	52.44	47.41	34.91	37.83	34.76	36.64	37.58	28.26
16/09/2022 2 03:00	03:05	54.31	57.28	52.56	53.7	52.08	47.16	34.29	37.21	34.44	36.15	37.03	29.23
16/09/2022 2 03:05	03:10	56.28	63.96	53.9	53.87	53.25	47.56	35.01	37.87	34.6	36.36	36.65	26.51
16/09/2022 2 03:10	03:15	55.44	63.4	54.27	54.19	53.14	47.77	36.09	38.51	36.25	36.91	37.84	27.94
16/09/2022 2 03:15	03:20	55.84	62.83	54.82	54.59	53.35	47.93	35.8	39.04	36.37	37.43	37.57	27.14
16/09/2022 2 03:20	03:25	55.74	63.16	54.89	54.42	53.34	47.91	35.65	39.33	36.59	37.56	37.8	27.24
16/09/2022 2 03:25	03:30	55.96	62.92	55.13	54.39	53.36	47.91	35.61	39.42	36.91	37.5	37.68	27.01
16/09/2022 2 03:30	03:35	55.08	62.23	55.1	54.64	53.25	47.94	36.16	40.18	37.47	37.84	38.15	27.96

16/09/2022 2 03:35	03:40	55.44	61.21	55.15	54.9	53.09	48.14	36.15	40.21	38.52	39.18	39.14	28.91
16/09/2022 2 03:40	03:45	56.18	61.9	55.68	55.24	55.02	51.07	40.64	49.18	41.47	41.3	42.24	31.19
16/09/2022 2 03:45	03:50	56.3	62	55.7	55.55	53.75	48.74	37.92	50.48	42.3	41.1	41.92	30.99
16/09/2022 2 03:50	03:55	56.05	63.33	55.59	55.34	53.96	48.59	37.84	50.26	42.42	41.57	42.43	31.65
16/09/2022 2 03:55	04:00	56.4	63.22	55.45	55.28	53.87	48.52	38.02	50.63	43.02	41.97	42.81	32.69
16/09/2022 2 04:00	04:05	56.45	64.28	55.39	55.26	53.69	48.15	37.94	50.41	42.62	41.72	42.45	31.61
16/09/2022 2 04:05	04:10	56.28	63.34	55.86	55.07	53.49	48.26	38.5	50.66	42.79	42.03	43.1	32.29
16/09/2022 2 04:10	04:15	56.55	63.03	56.24	55.1	53.8	48.59	38.82	51.43	43.52	42.15	43.46	32.96
16/09/2022 2 04:15	04:20	56.91	62.72	56.6	55.52	53.66	48.23	38.62	50.51	41.22	41.17	43.06	31.9
16/09/2022 2 04:20	04:25	57.12	62.43	56.34	55.27	53.78	48.68	37.75	42.57	39.17	40.2	41.22	30.82
16/09/2022 2 04:25	04:30	56.85	62.1	56.06	55.65	53.64	48.51	37.19	41.31	38.07	38.67	38.81	30.03
16/09/2022 2 04:30	04:35	56.3	61.27	55.74	55.55	53.28	48.3	37.15	41.33	40.27	38.75	39.48	30.77
16/09/2022 2 04:35	04:40	55.64	62.73	55.42	55.92	53.48	48.38	36.95	41.47	38.57	38.38	38.94	30.14
16/09/2022 2 04:40	04:45	55.41	63.28	55.26	55.41	53.93	48.41	36.71	41.75	38.47	38.35	38.75	29.58
16/09/2022 2 04:45	04:50	55.85	63.18	55.57	55.86	54.24	48.94	37.05	42.47	39.08	38.76	39.65	30.1
16/09/2022 2 04:50	04:55	55.35	63.06	55.6	55.77	54.1	49.12	37.81	42.82	39.77	40.72	41.95	31.21
16/09/2022 2 04:55	05:00	55.25	63.35	55.91	56.09	54.33	49.04	38.97	48.03	40.17	41.72	43.9	32.01
16/09/2022 2 05:00	05:05	55.58	63.84	55.71	55.86	54.36	49.29	40.21	49.79	44.82	45.07	50.5	44.51

16/09/2022 2 05:05	05:10	55.22	63.49	55.67	55.61	54.12	49.57	41.06	49.4	49.02	48.98	56.13	50.94
16/09/2022 2 05:10	05:15	54.52	62.9	54.86	54.5	52.42	47.82	36.68	43.43	40.76	41.54	47.17	41.75
16/09/2022 2 05:15	05:20	54.64	62.91	54.58	54.14	52.47	47.86	36.98	40.78	41.8	41.85	47.88	42.71
16/09/2022 2 05:20	05:25	56.28	62.87	55.73	56.16	54.28	51.8	46.96	53.23	57.45	56.87	64.29	59.31
16/09/2022 2 05:25	05:30	56.05	62.24	55.68	55.18	53.35	50.09	44.52	50.56	54.9	54.49	61.94	56.9
16/09/2022 2 05:30	05:35	54.95	63.08	54.66	54.56	52.4	48.27	36.75	43.89	40.73	41.1	47.02	41.85
16/09/2022 2 05:35	05:40	54.91	63.28	55.21	54.99	52.87	48.33	36.47	46.86	39.65	40.67	42.16	32.08
16/09/2022 2 05:40	05:45	54.96	63.03	55.72	55.38	53.58	48.93	37.33	47.89	40.99	41.75	42.76	31.37
16/09/2022 2 05:45	05:50	54.54	62.42	54.78	53.83	52.06	48	39.15	46.86	47.75	47.57	54.94	49.92
16/09/2022 2 05:50	05:55	53.93	62.13	54.42	53.16	51.08	46.68	35.73	41.6	37.23	37.03	42.11	36.65
16/09/2022 2 05:55	06:00	54.92	60.8	54.3	54.6	51.74	47.19	35.88	41.82	40.24	37.3	41.46	35.66
16/09/2022 2 06:00	06:05	58.09	59.35	54.23	53.32	51.72	47.22	35.73	42.56	35.83	36.69	38.73	29.71
16/09/2022 2 06:05	06:10	57.29	59.61	54.32	53.69	51.6	47.11	35.57	43.23	37.16	37.34	41.03	34.53
16/09/2022 2 06:10	06:15	57.82	61.12	55.12	59.32	52.96	48.19	37.39	46.51	41.99	42.21	47.78	42.38
16/09/2022 2 06:15	06:20	56.52	59.07	54.54	55.72	54.03	48.43	36.84	49.82	42.81	42.59	45.89	39.46
16/09/2022 2 06:20	06:25	55.87	59.8	54.93	55.65	53.37	48.8	38.12	48.9	44.22	44.47	50.19	44.87
16/09/2022 2 06:25	06:30	56.53	61.3	55.49	55.36	53.54	48.96	38.33	47.47	43.01	43.14	48.71	43.5
16/09/2022 2 06:30	06:35	55.16	62.71	55.41	55.75	53.66	49	37.96	49.07	42.32	42.07	44.37	36.4

16/09/2022 2 06:35	06:40	55.31	63.81	56	55.72	54.18	49.29	38.29	48.19	40.57	41.54	42.38	32.97
16/09/2022 2 06:40	06:45	55.18	63.9	56.61	56.15	54.46	49.64	38.53	43.92	40.44	40.95	41.61	30.12
16/09/2022 2 06:45	06:50	55.74	64.13	56.41	56.55	54.7	50.82	42.37	51.48	45.66	45.02	47.96	38.39
16/09/2022 2 06:50	06:55	55.4	64.12	55.88	55.65	54.61	49.82	39.61	51.47	43.31	43.16	43.82	32.77
16/09/2022 2 06:55	07:00	55.41	63.43	55.79	56.01	54.58	49.91	39.26	51.08	43.64	43.5	44.25	33.24
16/09/2022 2 07:00	07:05	55.35	62.92	55.76	55.87	54.17	49.72	39.03	49.82	43.02	42.24	43.09	32.01
16/09/2022 2 07:05	07:10	54.48	62.68	55.67	55.62	54.17	49.48	38.54	50.16	42.58	42.41	43.21	32.94
16/09/2022 2 07:10	07:15	54.91	62.53	55.79	55.33	53.97	49.12	38.72	50.36	42.16	42.12	43.65	32.31
16/09/2022 2 07:15	07:20	55.96	61.26	56.08	55.05	53.75	48.87	38.36	49.27	41.45	41.7	42.91	31.44
16/09/2022 2 07:20	07:25	56.21	61.37	55.99	55.13	54.07	49.4	39.61	49.4	42.05	41.64	42.94	31.38
16/09/2022 2 07:25	07:30	56.23	61.67	55.99	55.11	54.07	49.71	40.85	48.3	41.45	41.24	43.34	32.96
16/09/2022 2 07:30	07:35	56.56	61.69	56	55.26	54.32	49.51	39.28	44.24	43.12	40.95	42.92	31.04
16/09/2022 2 07:35	07:40	56.71	61.18	55.65	55.77	56.58	49.35	39.29	41.27	40.9	39.3	40.26	29.35
16/09/2022 2 07:40	07:45	56.18	62.99	55.35	55.25	54.4	49.53	38.7	41.66	41.37	38.96	39.76	29.31
16/09/2022 2 07:45	07:50	57.53	62.57	56.94	56.12	55.62	51.11	41.31	42.97	43.3	41.02	42.87	34.23
16/09/2022 2 07:50	07:55	56.9	60.66	56.49	56.85	57.11	51.9	41.64	44.38	42.91	42.13	42.85	32
16/09/2022 2 07:55	08:00	56.39	61.33	55.75	56.13	56.92	51.71	40.69	47.15	43.15	42.12	42.33	31.49
16/09/2022 2 08:00	08:05	56.21	60.75	55.51	55.79	56.66	51.35	40.66	45.46	41.91	41.16	43.38	31.29

16/09/2022 2 08:05	08:10	55.32	61.11	55.05	54.82	55.71	50.47	40.09	44.08	40.74	39.7	41.38	33.97
16/09/2022 2 08:10	08:15	54.48	61.26	54.71	54.37	54.3	49.42	39.49	41.84	39.07	36.92	38.24	29.22
16/09/2022 2 08:15	08:20	56.24	60.95	55.78	54.83	55.05	49.7	39.25	41.59	40.2	37.57	42.08	34.21
16/09/2022 2 08:20	08:25	55.47	60.83	57.13	55.19	52.56	48.47	38.57	42.2	38.2	36.28	38.6	29.92
16/09/2022 2 08:25	08:30	56.04	60.38	55.79	54.14	52.26	48.14	38.35	42.17	37.33	36.23	38.46	29.5
16/09/2022 2 08:30	08:35	55.14	61.31	55.19	54.46	52.85	48.29	38.68	41.91	37.33	39.05	49.91	43.41
16/09/2022 2 08:35	08:40	55.37	60.91	54.86	54.13	52.89	48.22	39.42	42.19	37.42	37.37	39.9	27.79
16/09/2022 2 08:40	08:45	54.99	60.65	54.9	54.11	52.32	48.07	38.48	42.67	38.42	37.25	39.95	34.19
16/09/2022 2 08:45	08:50	55.25	59.99	55.12	53.95	52.74	48.18	37.88	43.64	38.91	37.3	39.46	29.37
16/09/2022 2 08:50	08:55	55.53	59.76	54.99	53.96	53.16	47.92	38.69	43.69	38.35	37.15	39.71	30.11
16/09/2022 2 08:55	09:00	55.63	60.34	55.04	54.36	52.92	48.43	39.39	44.07	39.77	40.36	44.67	35.46
16/09/2022 2 09:00	09:05	55.62	60.23	55.28	54.14	53.05	48.23	38.89	44.06	39.2	37.28	39.38	28.44
16/09/2022 2 09:05	09:10	55.03	60.2	54.86	53.96	52.8	48.02	37.85	44.42	39.31	37.91	40.51	30.89
16/09/2022 2 09:10	09:15	55.4	60.83	55.29	54.03	52.54	47.89	38.4	43.27	38.14	37.48	39.72	28.9
16/09/2022 2 09:15	09:20	55.9	60.69	55.12	54.17	52.94	48.36	38.32	44.63	46.39	39.33	40.67	33.09
16/09/2022 2 09:20	09:25	55.63	60.7	55.26	54.26	52.88	48.21	37.9	44.46	41.73	40.87	45.12	32.66
16/09/2022 2 09:25	09:30	55.76	60.5	55.46	54.54	53.66	47.85	37.27	43.6	37.26	37.76	39.8	29.22
16/09/2022 2 09:30	09:35	57.17	61.44	56.22	56.35	54.09	49.9	40.21	46.18	41.27	39.91	43.11	31.99

16/09/2022 2 09:35	09:40	56.94	61.19	56.08	56.25	54.4	49.15	39.53	48.31	41.32	40.71	42.88	31.94
16/09/2022 2 09:40	09:45	55.65	60.64	55.25	55.38	54.17	49.14	38.44	48.39	41.55	40.99	43.02	32
16/09/2022 2 09:45	09:50	64.94	68.44	61.79	61.37	60.93	54.85	47.71	48.79	47.47	44.26	47.04	41.45
16/09/2022 2 09:50	09:55	56.16	61.31	55.27	55.52	53.63	48.94	38.66	47.68	41.29	41.17	43.13	31.42
16/09/2022 2 09:55	10:00	55.51	61.29	54.97	55.45	53.55	48.98	39.81	47.36	40.73	41.32	44.73	33.64
16/09/2022 2 10:00	10:05	54.94	61.03	55.3	55.68	53.63	49.32	39.55	46.51	40.61	39.93	43.15	34.3
16/09/2022 2 10:05	10:10	56.01	60.72	54.58	55.15	53.02	48.56	38.25	46.2	39.62	39.1	42.39	33.77
16/09/2022 2 10:10	10:15	55.82	60.27	54.33	54.85	52.8	48.35	38.42	46.59	41.78	40.3	44.78	35.86
16/09/2022 2 10:15	10:20	55.37	61.42	54.9	55.24	53.35	48.27	37.98	46.38	39.55	38.74	41.76	32.81
16/09/2022 2 10:20	10:25	55.14	61.19	55.04	55.16	53.07	48.25	37.88	45.84	39.37	38.63	41.91	32.9
16/09/2022 2 10:25	10:30	55.09	61.07	54.78	55.72	53.89	48.07	37.61	45.43	38.73	37.98	40.98	32.18
16/09/2022 2 10:30	10:35	55.21	60.64	54.51	55.79	53.81	47.95	36.61	45.01	38.51	37.2	40.55	31.42
16/09/2022 2 10:35	10:40	55.07	61.23	55.04	56.35	54.15	48.06	37.23	45.29	38.87	40.38	45.93	32.46
16/09/2022 2 10:40	10:45	56.39	59.83	54.74	57.42	54.7	48.21	37.31	46.19	39.94	39.69	45.42	32.81
16/09/2022 2 10:45	10:50	58.7	62.04	55.64	57.49	54.92	48.2	37.97	47.33	58.37	48.96	43.3	45.92
16/09/2022 2 10:50	10:55	56.07	59.9	55.44	57.2	54.45	48.05	36.84	45.45	39.2	38.25	41.45	31.63
16/09/2022 2 10:55	11:00	56.31	60.13	55.05	56.58	53.63	47.74	38.49	43	38.41	36.37	39.64	31.47
16/09/2022 2 11:00	11:05	56.08	59	54.99	55.05	52.06	47.19	36.22	42.91	37.96	36.27	40.02	32.34

16/09/2022 2 11:05	11:10	56.44	59.53	54.96	55.1	52.43	47.47	36.27	44.21	38.33	36.75	39.97	30.5
16/09/2022 2 11:10	11:15	56.51	58.63	54.5	54.69	51.86	47.03	35.87	44.59	40.09	44.25	46.9	38.71
16/09/2022 2 11:15	11:20	57.28	60.68	54.17	54.83	51.78	46.86	36.22	42.23	39.13	39.33	43.92	33.01
16/09/2022 2 11:20	11:25	56.69	59.56	55.62	55.95	52.39	47.28	36.59	43.38	38.02	35.73	40.2	31.94
16/09/2022 2 11:25	11:30	56.66	59.12	55.2	55.78	52.7	47.82	36.92	45.17	38.96	37.05	40.27	31.39
16/09/2022 2 11:30	11:35	56.11	59.41	55.13	55.01	52.76	47.59	36.92	45.83	39.7	38.81	42.72	32.61
16/09/2022 2 11:35	11:40	57.32	59.65	55.18	55.58	53.2	48.2	37.21	45.86	39.67	37.43	40.71	31.64
16/09/2022 2 11:40	11:45	56	59.2	55.1	55.05	52.53	47.47	36.46	44.62	39.13	37.37	39.85	30.38
16/09/2022 2 11:45	11:50	56.2	59.01	55.07	55.19	52.35	47.38	36.46	45.58	39.34	37	40.61	31.49
16/09/2022 2 11:50	11:55	56.93	59.07	55.03	55.69	52.93	47.71	37.04	46.05	40.43	37.69	41.29	32.57
16/09/2022 2 11:55	12:00	57.22	58.8	55.03	55.03	52.63	47.53	36.96	45.19	39.84	36.93	40.2	31.72
16/09/2022 2 12:00	12:05	56.52	60.14	55.61	55.66	53.08	48.64	38.41	44.2	38.27	36.5	39.64	30.08
16/09/2022 2 12:05	12:10	55.26	59.27	54.96	54.5	52.03	47.13	37.06	40.94	37.19	36.52	39.79	32.38
16/09/2022 2 12:10	12:15	56.57	58.92	54.66	54.13	51.24	46.63	36.04	37.43	35.93	35.85	37.96	30.33
16/09/2022 2 12:15	12:20	54.76	59.16	55.25	54.68	51.99	47.39	36.68	38.21	37.56	36.04	38.86	32.53
16/09/2022 2 12:20	12:25	55.86	59.32	55.26	55.22	52.45	47.67	36.92	38.92	37.57	36.92	40.28	31.43
16/09/2022 2 12:25	12:30	56.62	59.05	54.99	54.48	51.66	47.1	36.58	39.89	36.65	35.56	39.43	31.48
16/09/2022 2 12:30	12:35	56.2	59.84	55.27	54.99	52.15	47.33	36.97	43.88	38.92	37.23	41.1	33.66

16/09/2022 2 12:35	12:40	54.57	59.3	54.99	54.47	52.29	47.67	37.06	45.39	39.9	38	41.54	32.98
16/09/2022 2 12:40	12:45	55.59	59.4	55.36	55.47	52.51	47.74	36.92	46.75	40.29	38.28	41.65	32.43
16/09/2022 2 12:45	12:50	56.41	59.21	54.98	54.68	52.62	47.64	36.76	46.62	39.81	38.43	41.2	30.87
16/09/2022 2 12:50	12:55	54.57	59.32	54.97	54.54	52.16	47.25	37.21	44.91	39.21	37.56	41.13	33.15
16/09/2022 2 12:55	13:00	55.93	61.4	55.86	55.06	52.52	47.77	38.09	43.04	38.93	37.51	41.71	34.24
16/09/2022 2 13:00	13:05	56.32	62.57	56.18	54.74	52.26	47.5	37.46	40.87	37.99	36.98	41.57	34.78
16/09/2022 2 13:05	13:10	55.94	61.92	55.58	55.39	52.86	48.33	37.81	39.53	37.66	37.28	40.54	32.5
16/09/2022 2 13:10	13:15	55.14	61.13	55.18	54.81	52.67	47.88	38.2	38.88	37.74	37.29	41.74	35.34
16/09/2022 2 13:15	13:20	55.45	61.47	55.59	55.13	52.55	47.74	37.86	41.8	38.08	37.19	41.57	35
16/09/2022 2 13:20	13:25	55.94	61.4	55.67	55.63	52.95	47.83	37.66	45.65	39.69	38.31	41.98	34.4
16/09/2022 2 13:25	13:30	55.75	61.72	55.63	55.75	53.51	48.53	37.73	47.14	41.18	39.24	42.54	33.77
16/09/2022 2 13:30	13:35	54.77	62.12	55.86	55.34	52.68	47.78	37.14	44.91	39.24	37.43	40.52	31.9
16/09/2022 2 13:35	13:40	55.04	60.76	55.59	55.05	52.45	47.89	37.49	45.87	45.77	37.54	41.33	38.71
16/09/2022 2 13:40	13:45	54.79	60.53	55.85	55.3	53.36	48.25	38.26	41.8	39.39	37.33	40.52	33.99
16/09/2022 2 13:45	13:50	54.64	60.8	56.51	56.16	54.05	49.41	39.39	42.26	40.08	37.94	41.56	34.85
16/09/2022 2 13:50	13:55	58.71	61.86	58.05	56.43	57.75	51.99	43.15	43.52	43.66	39.99	42.03	39.06
16/09/2022 2 13:55	14:00	55.21	60.76	56.15	55.75	54.06	49.31	39.37	42.07	39.77	37.37	40.11	35.2
16/09/2022 2 14:00	14:05	54.05	60.82	55.73	55.3	53.51	48.79	38.78	41.32	38.32	37.11	40.14	32.9

16/09/2022 2 14:05	14:10	54.73	60.48	55.86	56.16	55.22	49.82	39.55	44.31	40.73	38.85	41.34	34.26
16/09/2022 2 14:10	14:15	55.63	61.39	55.95	55.65	54.42	49.42	40.17	41.34	40.39	38.01	41.51	35.29
16/09/2022 2 14:15	14:20	54.69	60.61	55.57	55.76	54.68	50.03	40.01	40.68	38.82	38.1	39.84	32.65
16/09/2022 2 14:20	14:25	56.94	59.59	56.39	57.06	55.24	50.55	41.3	39.12	43.46	40.25	46.58	41.84
16/09/2022 2 14:25	14:30	55.25	59.56	55.63	55.41	54.37	49.78	39.12	36.47	38.81	37.05	39.91	33.15
16/09/2022 2 14:30	14:35	58.27	61.16	56.31	55.76	55.71	50.8	41.49	37.64	43.55	38.62	41.34	35.09
16/09/2022 2 14:35	14:40	55.38	60.33	55.9	55.85	54.71	49.92	39.16	36.98	39.23	37.15	40.05	32.97
16/09/2022 2 14:40	14:45	60.42	63.06	59.12	57	58.53	53.03	45.1	41.52	48.79	39.55	42.05	38.59
16/09/2022 2 14:45	14:50	56.08	58.4	55.44	56.02	55.22	50.27	39.47	36.87	40.05	38.01	38.89	30.94
16/09/2022 2 14:50	14:55	55.3	60.07	55.6	56.3	55.55	50.63	40.47	37.97	40.53	38.74	39.45	30.76
16/09/2022 2 14:55	15:00	55.57	59.92	55.94	55.84	54.83	50.09	40.5	39.35	40.46	38.67	41.56	34.78
16/09/2022 2 15:00	15:05	55.48	60.25	56.03	55.86	54.71	50.01	40.04	38.71	39.82	39.03	41.66	34.83
16/09/2022 2 15:05	15:10	55.85	59.84	56.12	56.13	55.47	50.59	40.61	39.64	40.04	38.91	42.92	34.06
16/09/2022 2 15:10	15:15	55.9	60.15	56.03	56.26	55.29	50.34	40.03	37.38	39.02	38.05	40.65	32.15
16/09/2022 2 15:15	15:20	56.22	60.23	55.97	56.01	55.41	50.62	39.9	36.99	39.7	38.26	41.04	33.82
16/09/2022 2 15:20	15:25	56.91	59.07	55.51	55.93	54.62	49.92	39.42	38.96	54.97	39.86	40.17	40.66
16/09/2022 2 15:25	15:30	56.69	57.69	55.48	55.43	55.05	50.28	38.9	35.85	37.93	36.29	37.27	28.93
16/09/2022 2 15:30	15:35	58.37	59.44	56.75	56.25	56.26	51.89	40.78	38.74	43.88	37.85	39.4	32.84

16/09/2022 2 15:35	15:40	55.41	58.09	55.66	55.77	54.87	50.25	40.5	38.95	39.56	37.57	41.13	41.56
16/09/2022 2 15:40	15:45	54.39	57.12	54.63	54.4	54.41	49.6	38.16	35.12	37.19	35.52	38.17	31.31
16/09/2022 2 15:45	15:50	55.6	57.34	55.21	54.98	54.88	49.95	38.68	36.11	41.81	42.28	48.22	35.75
16/09/2022 2 15:50	15:55	54.38	57.6	55.02	54.98	54.88	50.21	38.9	38.12	40.4	37.1	39.74	32.02
16/09/2022 2 15:55	16:00	55.38	58.23	55.55	54.64	54.78	49.8	38.74	38.7	39.08	36.65	39.63	32.96
16/09/2022 2 16:00	16:05	54.34	58.28	54.62	54.86	54.9	49.66	38.99	37.2	40.03	37.89	40.93	38.35
16/09/2022 2 16:05	16:10	56.72	59.12	54.8	54.85	55.01	49.97	38.56	36.55	39.12	37.15	38.28	31.07
16/09/2022 2 16:10	16:15	54.84	56.83	54.9	54.71	53.92	49.79	38.57	35.96	38.05	36.33	37.74	30.81
16/09/2022 2 16:15	16:20	54.48	57.47	54.75	54.8	54.87	50.21	39.05	36.97	39.75	38.06	40.69	32.89
16/09/2022 2 16:20	16:25	61.15	61.51	58.83	56.13	58.1	53.07	46.08	39.01	45.64	40.31	41.69	35.02
16/09/2022 2 16:25	16:30	60.45	60.9	57.73	55.7	57.9	51.91	44.6	38.43	40.82	38.35	41.54	34.25
16/09/2022 2 16:30	16:35	54.16	57.31	55.03	54.61	54.99	50.21	39.13	36.36	39.22	36.72	38.91	31.79
16/09/2022 2 16:35	16:40	55.48	57.75	55.75	55	55.59	50.99	40.52	38.8	43.06	37.25	38.96	32.8
16/09/2022 2 16:40	16:45	53.82	57.61	54.51	57.07	57.32	50.24	39.35	36.95	38.82	37.1	40.49	31.31
16/09/2022 2 16:45	16:50	54.72	58.06	54.96	54.14	54.53	49.9	39.31	37.04	38.77	37.05	38.78	30.71
16/09/2022 2 16:50	16:55	57.5	57.73	54.93	54.4	54.93	50.18	39.28	43.98	40.59	38.33	40.12	32.14
16/09/2022 2 16:55	17:00	58.85	58.55	55.21	54.96	55.16	50.44	39.56	45.31	41.73	39.14	40.21	31.95
16/09/2022 2 17:00	17:05	60.03	58	54.75	54.81	55.52	50.27	39.19	44.61	40.48	38.52	39.34	30.98

16/09/2022 2 17:05	17:10	60.18	56.88	54.73	54.16	55.09	50.25	38.96	44.25	39.61	37.84	38.8	30.15
16/09/2022 2 17:10	17:15	58.08	58.01	54.67	54.18	54.38	49.65	38.97	42.49	39.77	37.4	39.95	31.95
16/09/2022 2 17:15	17:20	59.47	57.97	55.47	55	54.53	49.62	38.96	41.77	39.08	37.17	38.58	30.97
16/09/2022 2 17:20	17:25	61.04	58.61	56.43	55.48	55.04	50.06	39.78	41.69	39.31	37.97	42.32	37.1
16/09/2022 2 17:25	17:30	56.41	56.95	54.2	54.54	55.25	50.42	40.28	39.88	38.9	37.38	39.62	35.27
16/09/2022 2 17:30	17:35	56.29	57.39	54.42	54.95	54.85	50.68	40.44	37.08	38.35	37	38.89	30.29
16/09/2022 2 17:35	17:40	56.37	57.8	54.78	54.82	55.19	50.81	40.17	35.91	38.68	36.63	38.17	28.22
16/09/2022 2 17:40	17:45	66	65.63	62.65	59.42	60.08	55.01	48.65	44.35	47.62	44.4	47.36	41.72
16/09/2022 2 17:45	17:50	57.14	57.66	54.97	55.94	55.82	50.94	40.58	44.47	40.67	39.51	41.24	31.32
16/09/2022 2 17:50	17:55	56.49	57.05	55.05	55.41	55.34	50.87	40.56	44.11	40.63	40.01	42.59	34.01
16/09/2022 2 17:55	18:00	63.44	62.93	59.3	57.32	58.11	53.22	46.16	45.49	42.78	40.71	43.01	34.25
16/09/2022 2 18:00	18:05	55.79	58.77	55.58	55.52	55.52	51.1	40.97	44.51	41.06	38.9	40.89	31.05
16/09/2022 2 18:05	18:10	55.81	59.88	55.56	55.72	55.65	50.76	40.76	43.66	40.65	38.97	40.59	32.64
16/09/2022 2 18:10	18:15	62.94	62.71	58.25	56.96	58.34	52.88	46.04	45.09	43.01	41.51	45.64	38.03
16/09/2022 2 18:15	18:20	55.83	58.24	55.21	55.04	55.9	50.74	40.74	44.33	40.71	40.04	41.07	33.1
16/09/2022 2 18:20	18:25	63.75	63.19	59.88	57.1	58.81	53.06	47.75	46.18	45.51	42.52	44.4	38.02
16/09/2022 2 18:25	18:30	64.14	66.08	59.94	60.02	59.33	54.73	49.42	48.73	53.2	44.77	48.18	37.86
16/09/2022 2 18:30	18:35	63.5	63.61	61.57	61.49	62.12	56.33	44.02	47.26	47.4	41.66	45.56	39.79

16/09/2022 2 18:35	18:40	59.62	57.61	54.95	54.87	55.33	50.4	40.43	45.24	43.32	40.01	41.46	33.56
16/09/2022 2 18:40	18:45	59.5	57.86	54.76	54.88	55.3	50.84	39.89	43.93	40.05	38.6	38.9	29.04
16/09/2022 2 18:45	18:50	58.31	57.48	54.64	54.91	55.21	50.71	40.2	44.49	40.08	39.18	40.05	30.26
16/09/2022 2 18:50	18:55	55.21	57.11	54.33	54.28	54.82	50.43	39.15	44.93	40.6	39.27	39.96	30.74
16/09/2022 2 18:55	19:00	53.33	56.75	54.23	54.04	55.32	51.21	39.31	45.31	41.78	39.15	40.16	31.68
16/09/2022 2 19:00	19:05	53.41	56.65	54.17	53.98	55.6	51.31	39.79	44.63	40.93	39.92	40.66	33.24
16/09/2022 2 19:05	19:10	53.39	57.28	54.08	53.79	55.79	51.58	39.52	43.98	39.86	39.3	39.18	29.25
16/09/2022 2 19:10	19:15	53.95	57.74	54.1	54.1	55.68	51.72	40.09	43.81	39.87	39.62	39.58	30.62
16/09/2022 2 19:15	19:20	53.35	56.57	54.06	53.65	55.28	50.93	39.72	42.63	38.93	38.07	38.81	28.78
16/09/2022 2 19:20	19:25	53.35	56.06	53.74	53.83	55.79	51.69	39.52	42.12	39.83	37.75	38.18	28.54
16/09/2022 2 19:25	19:30	53.42	56.34	53.77	53.51	55.27	50.46	38.55	36.09	39.33	37.84	38.85	28.67
16/09/2022 2 19:30	19:35	57.87	58.46	58.08	59.34	55.73	51.03	37.93	41.84	40.27	39.12	40.55	32.45
16/09/2022 2 19:35	19:40	54.57	56.73	54.29	54.13	53.94	48.6	39.74	46.78	39.75	39.29	40.58	30.43
16/09/2022 2 19:40	19:45	53.88	56.7	53.78	54.11	53.47	48.41	38.95	48.08	40.45	39.93	41.11	29.9
16/09/2022 2 19:45	19:50	53.88	56.97	53.84	54.19	53.31	48.41	39.5	49.45	41.08	40.27	41.2	30.02
16/09/2022 2 19:50	19:55	53.94	57.24	53.85	54.35	53.16	48.32	39.91	50.23	41.88	40.76	41.33	29.14
16/09/2022 2 19:55	20:00	54.62	56.8	53.52	54.28	53.29	48.37	40.19	50.48	42.62	40.72	41.44	30.57
16/09/2022 2 20:00	20:05	54.7	57	53.72	54.22	53.66	48.82	40.74	50.2	42.3	41.08	42.31	30.48

16/09/2022 2 20:05	20:10	56.64	57.14	54.44	54.68	54.08	48.99	40.77	50.96	43.49	42.13	43.92	31.62
16/09/2022 2 20:10	20:15	57.46	57.41	55.13	55.23	53.88	48.9	40.65	50.46	42.64	41.56	42.26	31.01
16/09/2022 2 20:15	20:20	57.76	57.71	55.25	55.04	53.68	48.54	40.47	50.7	42.82	40.51	41.03	30.8
16/09/2022 2 20:20	20:25	56.63	58.25	55.87	54.97	54.14	48.67	40.21	51.3	43.46	40.89	42.28	32.32
16/09/2022 2 20:25	20:30	57.26	61	56.22	55.63	54.87	49.81	41.35	51.91	44.07	42.67	43.6	32.58
16/09/2022 2 20:30	20:35	56.75	61.98	56.2	55.65	55.09	49.58	40.83	52.15	44.58	43.04	43.95	32.75
16/09/2022 2 20:35	20:40	56.23	59.49	55.71	55.15	54.75	49.15	39.79	52.8	44.94	42.96	44.13	32.85
16/09/2022 2 20:40	20:45	56.19	57.64	55.86	55.48	55.76	49.85	41.42	52.94	46.59	43.56	44.59	33.03
16/09/2022 2 20:45	20:50	56.17	57.54	55.59	55.19	53.74	48.38	39.37	51.04	43.75	41.68	43.02	31.98
16/09/2022 2 20:50	20:55	57.2	57.91	55.69	55.06	54.05	48.99	40.26	50.99	43.58	41.44	43.25	32.82
16/09/2022 2 20:55	21:00	57.56	58.34	56.29	55.77	54.04	49	40.67	51.5	44.11	41.96	43.58	33.09
16/09/2022 2 21:00	21:05	57.27	58.73	56.68	56.18	55.25	50.03	40.98	52.6	45.04	43.48	44.77	33.41
16/09/2022 2 21:05	21:10	57.12	58.58	57.48	56.83	55.79	50.37	40.96	53.11	45.18	43.75	45.09	33.97
16/09/2022 2 21:10	21:15	56.7	58.88	56.47	55.86	55.19	49.76	41.02	52.17	45.12	43.57	45.3	34.78
16/09/2022 2 21:15	21:20	57.57	59.64	56.52	55.81	55.06	49.61	41.43	52.61	45.69	43.41	45.68	34.85
16/09/2022 2 21:20	21:25	56.78	59.79	56.09	55	54.28	49.06	40.62	52.11	45.2	42.92	45.03	33.99
16/09/2022 2 21:25	21:30	57.2	60.67	55.89	54.77	54.64	49.35	40.95	51.95	44.8	42.94	44.38	33.79
16/09/2022 2 21:30	21:35	56.57	61.12	56.03	55.03	54.63	49.27	40.48	51.91	43.74	42.17	43.7	33.13

16/09/2022 2 21:35	21:40	57.27	61.62	57.47	55.97	54.68	49.52	40.03	51.63	44.03	41.04	43.67	34.94
16/09/2022 2 21:40	21:45	56.62	57.27	55.59	55.08	54.17	49.06	40.4	52.37	44.32	41.92	43.65	33.25
16/09/2022 2 21:45	21:50	55.89	57.77	55.31	55.01	54.5	49.5	41.32	53.22	45.01	43.16	44.17	33.83
16/09/2022 2 21:50	21:55	56.44	59.44	56.22	55.71	55.09	50.08	42.45	52.21	43.8	42.82	44.89	34.01
16/09/2022 2 21:55	22:00	58.81	58.93	55.6	56.5	54.74	50.24	41.29	46.24	42.15	42.74	44.37	33.1
16/09/2022 2 22:00	22:05	55.93	56.83	54.75	54.72	54.31	49.51	39.67	46.72	43.26	41.66	43.06	32.68
16/09/2022 2 22:05	22:10	56.64	58.94	55.31	55.33	54.23	48.99	39.34	48.68	41.71	41.27	42.32	31.27
16/09/2022 2 22:10	22:15	55.74	60.76	55.99	54.74	53.71	48.72	38.52	49.2	41.97	41.13	41.75	30.29
16/09/2022 2 22:15	22:20	56.44	59.36	56.92	55.69	54.59	49.4	40.12	51.47	43.28	40.99	41.8	32
16/09/2022 2 22:20	22:25	55.81	58.93	56.4	55.2	55.02	49.32	40.48	51.86	43.78	41.63	43.33	33.15
16/09/2022 2 22:25	22:30	55.67	59.11	56.25	55.48	55.08	49.68	40.14	52.19	44.06	41.28	42.96	32.73
16/09/2022 2 22:30	22:35	56.01	58.77	56.61	55.33	54.88	49.35	39.24	51.93	44.27	42.13	43.62	33.03
16/09/2022 2 22:35	22:40	56.14	59.06	56.96	55.44	55.53	49.95	39.82	52.97	45.11	43.62	45.19	33.74
16/09/2022 2 22:40	22:45	56.52	59.86	57.6	56.42	56.63	50.97	41.3	53.05	45.08	44.67	46.02	34.94
16/09/2022 2 22:45	22:50	56.14	58.98	56.93	55.83	55.78	50.31	40.98	54.29	45.5	43.94	45.8	35.31
16/09/2022 2 22:50	22:55	56.4	59.49	57.44	55.55	55.39	50.23	40.5	52.56	44.48	43.21	44.52	34.13
16/09/2022 2 22:55	23:00	56.69	59.59	57.49	55.86	55.34	49.87	40.3	51.38	43.18	42.34	43.62	33.64
16/09/2022 2 23:00	23:05	56.88	59.92	57.05	56.14	55.5	50.42	40.28	50.89	42.9	42.12	43.67	32.9

16/09/2022 2 23:05	23:10	56.98	59.33	57.73	56.05	55.71	50.53	40.23	50.91	42.8	42.92	44.35	32.86
16/09/2022 2 23:10	23:15	56.16	59.52	57.97	56.02	55.24	50.09	40.12	51.3	43.51	42.79	43.99	33.12
16/09/2022 2 23:15	23:20	55.64	61.43	57.69	56.18	55.62	50.25	40.13	51.75	45.33	42.94	43.94	33.69
16/09/2022 2 23:20	23:25	55.93	61.71	57.4	56.24	55.81	50.46	40.43	52.35	44.43	43.38	44.9	33.5
16/09/2022 2 23:25	23:30	56.67	59.31	57.35	55.75	55.25	49.82	39.45	51.73	43.69	42.02	43.18	31.87
16/09/2022 2 23:30	23:35	55.74	60.55	56.98	55.79	54.97	49.77	39.28	52.23	43.91	40.92	42.45	31.25
16/09/2022 2 23:35	23:40	56.39	61.01	56.99	56.27	54.59	49.55	40.05	51.72	43.49	40.79	42.3	31.34
16/09/2022 2 23:40	23:45	55.87	60.79	56.7	55.34	54.2	49.1	38.7	51.74	43.34	40.11	41.76	31.11
16/09/2022 2 23:45	23:50	55.6	60.73	56.68	55.2	53.99	48.75	38.61	51.91	43.46	40.45	42.19	31.48
16/09/2022 2 23:50	23:55	55.31	61.34	56.68	55.74	54.49	49.67	39.62	51.58	43.49	40.78	42.45	31.78
16/09/2022 2 23:55	00:00	55.32	61.42	56.72	55.74	54.21	49.39	39.11	51.65	42.29	41	42.32	31.44
17/09/2022 2 00:00	00:05	55.37	62.16	57.41	56.48	54.95	50.01	40.74	51.04	42.5	42.65	44.17	32.94
17/09/2022 2 00:05	00:10	54.98	61.52	56.99	56.18	54.78	49.47	40.12	51.96	44.22	42.5	44.07	32.95
17/09/2022 2 00:10	00:15	54.91	61.48	56.69	56.13	54.49	49.26	40.23	51.7	44.02	42.66	44.49	33.21
17/09/2022 2 00:15	00:20	54.67	61.45	56.4	55.66	53.72	48.67	38.99	51.14	42.99	41.67	43.14	31.59
17/09/2022 2 00:20	00:25	54.74	61.41	56.06	55.15	53.68	48.57	37.61	49.8	41.85	40.32	41.49	29.85
17/09/2022 2 00:25	00:30	55.26	61.36	56.81	55.48	54.12	49	38.35	50.76	42.68	41.28	42.33	30.51
17/09/2022 2 00:30	00:35	55.36	61.39	56.89	55.59	54.37	49.45	38.83	50.68	43.11	42	42.85	31.2

17/09/2022 2 00:35	00:40	55.41	60.87	56.35	55.3	54.17	49.31	38.76	50.68	43.02	42.09	43.17	31.16
17/09/2022 2 00:40	00:45	55.24	61.33	56.92	55.76	54.84	49.89	39.33	50.19	43.66	42.62	43.61	31.85
17/09/2022 2 00:45	00:50	55.47	61.73	56.89	56.26	55.48	50.51	40.13	50.59	43.34	43.61	44.48	32.61
17/09/2022 2 00:50	00:55	55.35	61.09	56.78	56.01	55.01	50.23	39.96	50.22	42.85	43.05	45.04	32.06
17/09/2022 2 00:55	01:00	55.85	62.49	57.58	56.85	55.37	50.31	40.23	52.31	44.69	43.36	44.57	32.93
17/09/2022 2 01:00	01:05	55.69	61.92	56.78	55.83	55.19	49.98	39.84	53.14	44.53	43.04	44.11	32.95
17/09/2022 2 01:05	01:10	55.25	61.6	56.45	55.65	54.76	49.69	39.27	52.71	44.22	41.99	42.9	32.47
17/09/2022 2 01:10	01:15	55.22	61.05	56.49	55.84	54.65	49.68	38.95	50.07	41.39	41.39	42.65	30.58
17/09/2022 2 01:15	01:20	55.07	61.03	56.2	55.82	54.38	49.56	37.87	45.97	40.12	40.05	40.95	30.88
17/09/2022 2 01:20	01:25	54.7	60.76	55.9	55.17	54.07	48.6	36.46	41.83	37.87	38.15	38.63	27.13
17/09/2022 2 01:25	01:30	54.36	60.49	55.71	55.2	54.49	48.65	36.7	45.57	38.37	37.9	38.52	31.99
17/09/2022 2 01:30	01:35	54.53	60.18	55.56	54.85	54.05	48.53	35.92	44.32	37.9	37.33	37.61	28.61
17/09/2022 2 01:35	01:40	54.38	60.65	54.99	54.88	53.79	48.13	35.24	40.89	37.35	37.37	37.31	26.32
17/09/2022 2 01:40	01:45	54.72	60.8	55.44	54.86	53.83	48.19	35.71	44.03	38.3	37.79	38.26	28.35
17/09/2022 2 01:45	01:50	54.75	60.82	55.5	55.73	53.77	48.41	36.04	45.03	37.58	37.68	37.75	27.43
17/09/2022 2 01:50	01:55	54.62	60.85	55.26	54.62	53.52	48.31	35.65	39.69	35.74	37.01	37.34	26.56
17/09/2022 2 01:55	02:00	54.63	60.84	55.31	55.05	53.64	48.17	36.28	43.36	37.27	37.45	37.88	27.64
17/09/2022 2 02:00	02:05	54.74	60.39	54.81	54.76	53.33	48.08	36.46	46.85	38.39	38.92	39.7	27.64

17/09/2022 2 02:05	02:10	54.2	59.75	55.21	54.54	53.51	47.85	36.44	46.53	38.17	39.27	40.15	27.82
17/09/2022 2 02:10	02:15	54.43	59.47	55.15	54.7	53.6	48.31	36.83	47.6	39.96	40.33	40.6	28.17
17/09/2022 2 02:15	02:20	54.92	58.67	55.18	54.74	53.66	48.38	37.5	48.19	40.72	40.44	40.97	28.67
17/09/2022 2 02:20	02:25	55.22	59.99	54.96	54.56	53.72	48.28	36.7	48.56	40.15	40.76	41.35	28.46
17/09/2022 2 02:25	02:30	55.39	59.16	55.31	54.79	53.76	48.3	36.82	47.73	39.8	40.39	41.17	29.17
17/09/2022 2 02:30	02:35	55.23	58.46	55.59	54.71	53.88	48.63	36.92	48.58	39.36	40.16	40.89	28.72
17/09/2022 2 02:35	02:40	54.7	58.32	55.17	54.61	53.68	48.56	36.84	47.73	39.08	40.11	40.93	28.57
17/09/2022 2 02:40	02:45	54.24	58.74	54.71	54.19	53.42	48.09	36.67	48.15	39.11	39.65	40.51	28.29
17/09/2022 2 02:45	02:50	54.46	59.49	54.78	54.3	53.5	48.11	36.5	47.83	38.76	39.65	40.24	28.09
17/09/2022 2 02:50	02:55	54.49	60.54	55.04	54.52	53.51	48.13	36.34	47.61	39.01	40.06	40.62	27.91
17/09/2022 2 02:55	03:00	54.7	59.08	54.82	54.79	53.56	48.1	36.6	48.22	39.37	40.36	40.85	28.89
17/09/2022 2 03:00	03:05	55.35	58.07	55.49	54.12	53.62	47.81	37.16	47.25	38.84	40.02	40.31	27.89
17/09/2022 2 03:05	03:10	55.27	59.21	55.42	54.11	53.56	47.99	36.36	47.59	38.98	39.79	40.33	28.3
17/09/2022 2 03:10	03:15	55.45	59.23	55.04	54.16	53.47	47.86	36.16	46.13	37.54	38.87	39.14	27.34
17/09/2022 2 03:15	03:20	54.87	60.01	54.94	53.73	53.15	47.79	35.65	40.23	36.61	38.45	38.83	27.59
17/09/2022 2 03:20	03:25	55.12	59.13	55.47	53.84	53.13	47.62	34.89	40.09	35.86	37.31	37.19	26.76
17/09/2022 2 03:25	03:30	55.05	59.37	55.19	54.13	53.48	48.13	36.12	39.3	36.11	37.14	36.98	26.99
17/09/2022 2 03:30	03:35	55.29	59.14	55.08	54.16	53.48	47.84	35.72	39.32	35.8	36.88	36.7	27.26

17/09/2022 2 03:35	03:40	55.16	59.5	54.87	53.87	53.3	47.53	34.79	38.56	34.63	35.77	35.89	26.48
17/09/2022 2 03:40	03:45	55.03	59.51	55.01	53.81	53.14	47.4	34.52	37.89	34.35	35.45	35.52	25.93
17/09/2022 2 03:45	03:50	55.37	60.01	55.32	54.53	53.38	47.42	34.4	38.76	44.28	38.12	35.32	26.33
17/09/2022 2 03:50	03:55	54.83	59.58	54.89	53.74	53.38	47.38	34.49	39.44	36.01	35.94	35.69	26.35
17/09/2022 2 03:55	04:00	55.58	59.52	55.39	54.61	53.56	47.45	34.87	39.88	37.09	36.33	36.18	28.44
17/09/2022 2 04:00	04:05	55.28	59.15	54.95	54.24	53.59	47.84	35.28	40.41	36.58	36.93	36.88	27.31
17/09/2022 2 04:05	04:10	54.88	59.19	55.17	54.23	53.26	47.65	34.95	40.24	36.18	36.53	36.49	26.94
17/09/2022 2 04:10	04:15	55.36	59.21	54.79	54.12	52.97	47.3	34.25	39.45	35.51	35.71	35.6	25.67
17/09/2022 2 04:15	04:20	55.53	59.14	55.33	54.16	53.1	47.65	35.28	44.73	38.04	37.66	38.23	27.05
17/09/2022 2 04:20	04:25	55.48	58.84	55.78	54.78	53.28	47.69	36.51	49.12	41.35	39.45	39.56	29.03
17/09/2022 2 04:25	04:30	54.91	58.03	55.3	54.43	53.89	48.2	37.25	49.33	41.52	40.53	41.97	33.72
17/09/2022 2 04:30	04:35	55.26	58.76	55.93	55.23	54.07	48.75	37.32	45.16	39.28	40.11	41.34	30.04
17/09/2022 2 04:35	04:40	54.92	59.73	55.59	54.81	54.01	48.55	36.44	42.46	39.01	38.71	38.69	28.54
17/09/2022 2 04:40	04:45	54.94	60.51	55.57	54.98	54.07	48.49	36.81	42.37	38.78	38.44	38.67	28.41
17/09/2022 2 04:45	04:50	55.25	58.98	55.78	55.1	54.46	49.01	37.02	42.5	38.7	38.17	38.26	28.07
17/09/2022 2 04:50	04:55	55.53	59.19	55.78	54.94	54.24	48.83	37.21	42.24	38.38	38.12	38.31	27.94
17/09/2022 2 04:55	05:00	55.24	59.15	55.26	54.55	53.37	48.02	35.5	41.27	37.65	37.3	37.27	27.25
17/09/2022 2 05:00	05:05	55.48	58.44	55.53	54.39	53.31	47.67	35.14	40.49	36.5	36.41	36.29	25.84

17/09/2022 2 05:05	05:10	55.32	59.24	55.76	54.5	53.6	48.18	35.44	40.69	37.58	37.8	38.12	27.05
17/09/2022 2 05:10	05:15	55.08	59.81	55.62	54.63	53.7	48.62	36.92	42.91	37.91	39.21	39.26	27.9
17/09/2022 2 05:15	05:20	55.35	58.79	55.45	54.42	53.54	48.14	36.51	45.43	38.22	38.99	39.58	27.82
17/09/2022 2 05:20	05:25	54.88	59.11	55.23	54.61	53.48	47.99	36.18	45.92	38.45	38.65	39.72	28.02
17/09/2022 2 05:25	05:30	55.09	59.54	55.34	54.46	53.74	48.36	36.12	43.3	38.83	39.52	40.5	29.12
17/09/2022 2 05:30	05:35	54.95	58.53	55.31	54.3	53.39	48.24	36.17	41.03	38.5	38.6	39.26	28.94
17/09/2022 2 05:35	05:40	55.26	58.89	55.35	54.7	53.75	48.78	37.29	42.19	39.45	38.73	39.06	28.9
17/09/2022 2 05:40	05:45	55.38	58.93	55.92	55.02	54.3	49.17	37.14	41.95	39.52	38.88	38.98	29.41
17/09/2022 2 05:45	05:50	55.47	59.14	55.88	55.03	53.89	48.8	36.86	41.94	39.12	38.8	38.44	28.08
17/09/2022 2 05:50	05:55	55.69	59.2	55.83	55.15	54.7	49.65	37.51	43.23	40.49	39.19	39.13	29.19
17/09/2022 2 05:55	06:00	56.13	59.08	55.97	54.99	54.29	49.24	37.91	43.4	40.19	38.71	38.98	29.17
17/09/2022 2 06:00	06:05	56.65	58.77	55.86	55.24	54.29	49.45	36.84	42.27	39.36	38.28	38.47	28.27
17/09/2022 2 06:05	06:10	56.5	59.25	55.69	59.7	55.42	49.37	38.83	41.86	40.82	40.47	43.75	33.89
17/09/2022 2 06:10	06:15	57.17	60.02	56.23	55.21	53.7	48.81	36.84	40.17	37.2	37.41	37.57	28.02
17/09/2022 2 06:15	06:20	57.04	60.22	57.13	55.81	54.52	49.68	37.74	40.98	37.98	38.26	38.46	28.71
17/09/2022 2 06:20	06:25	56.18	61.41	56.4	55.7	54.04	49.01	37.26	40.34	37.65	37.78	38.45	29.35
17/09/2022 2 06:25	06:30	55.67	60.63	55.96	55.47	53.84	49	37.19	41.51	38.99	38.76	39.38	29.58
17/09/2022 2 06:30	06:35	57.17	60.14	56.77	55.96	53.98	49.13	38.04	48.53	41.23	41.45	41.54	29.56

17/09/2022 2 06:35	06:40	57.34	60.79	57.62	56.39	54.21	49.25	38.05	49.15	41.73	41.48	41.57	30.44
17/09/2022 2 06:40	06:45	56.74	60.51	56.77	55.57	54.26	49.18	39.1	49.49	41.72	42.43	43.34	32.5
17/09/2022 2 06:45	06:50	57.4	60.69	57.23	55.85	54.69	50.02	39.1	43.35	41.11	40.74	41.35	30.36
17/09/2022 2 06:50	06:55	57.49	61.04	56.8	55.93	54.42	49.97	40.03	43.88	41.08	40.06	41.23	30.74
17/09/2022 2 06:55	07:00	57.43	60.82	56.14	55.52	54.59	49.69	37.86	41.81	39.17	39.02	39.66	29.95
17/09/2022 2 07:00	07:05	56.73	61.29	56.02	55.46	54.51	49.87	37.82	41.84	39.32	38.92	39.42	29.26
17/09/2022 2 07:05	07:10	56.15	61.38	55.77	55.54	54.31	49.46	38.62	41.85	39.15	38.97	39.02	28.68
17/09/2022 2 07:10	07:15	56.52	60.51	55.68	55.29	54.33	49.46	38.53	41.94	38.85	38.4	38.8	27.8
17/09/2022 2 07:15	07:20	56.86	60.29	55.81	55.46	54.2	49.06	37.01	40.91	37.7	37.55	38.03	28.09
17/09/2022 2 07:20	07:25	56.61	60.58	56.34	55.51	54.33	49.47	38.72	42.11	38.87	39.09	39.14	28.32
17/09/2022 2 07:25	07:30	57.41	63.16	57.17	55.82	54.78	49.75	38.54	45.28	40.56	41.65	42.44	30.22
17/09/2022 2 07:30	07:35	57.4	64.26	56.88	55.66	54.73	49.72	39.72	49.06	42.34	43.01	43.41	31.4
17/09/2022 2 07:35	07:40	57.1	63.35	57.48	55.73	54.66	49.79	40.66	49.06	42.9	43.27	44.69	31
17/09/2022 2 07:40	07:45	56.94	62.62	56.46	55.17	54.63	49.67	39.3	49.94	42.94	42.28	42.23	30.57
17/09/2022 2 07:45	07:50	56.5	62.07	56.58	55.27	54.31	49.64	40.4	46.09	41.04	41.51	42.37	30.17
17/09/2022 2 07:50	07:55	56.44	62.37	56.4	55.2	54.18	49.07	37.28	41.96	40.78	40.43	41.3	30.45
17/09/2022 2 07:55	08:00	60	63.73	59.52	58.17	56.26	52.7	40.43	41.79	42.03	39.65	41.68	35.67
17/09/2022 2 08:00	08:05	57.69	61.65	56.48	56.45	57.69	52.27	41.51	40.95	44.16	42.12	47.04	42.97

17/09/2022 2 08:05	08:10	57.62	61.62	56.44	56.14	56.54	51.48	39.84	40.6	41.86	38.39	39.46	32.34
17/09/2022 2 08:10	08:15	61.99	63.8	59.05	56.74	58.99	53.63	45.54	41.45	44.63	39.8	43.02	35.42
17/09/2022 2 08:15	08:20	57	61.27	56.47	56.47	57.24	52.14	40.34	40.1	42.34	39.38	40.61	36.67
17/09/2022 2 08:20	08:25	58.2	63.88	58.34	58.11	56.96	51.98	40.23	42.43	43.32	40.66	42.33	34.88
17/09/2022 2 08:25	08:30	57.27	63.22	56.82	56.41	56.63	51.79	40.45	41.89	43.16	40.77	40.83	32.04
17/09/2022 2 08:30	08:35	56.9	61.78	56.75	56.84	57.69	52.87	42.58	42.3	44.07	41.74	41.33	32.62
17/09/2022 2 08:35	08:40	56.7	60.91	55.98	56.17	57.1	51.99	41.82	47.16	43.5	41.53	41.19	31.06
17/09/2022 2 08:40	08:45	56.96	61.32	55.86	55.91	56.3	51.06	40.55	48.51	43.53	41.22	39.66	30.46
17/09/2022 2 08:45	08:50	57.11	60.75	55.75	55.66	55.98	50.33	39.69	47.56	42.53	40.74	39.57	30.2
17/09/2022 2 08:50	08:55	56.44	60.55	56.13	55.46	55.85	50.94	40.66	43.73	42.03	40.3	40.62	31.37
17/09/2022 2 08:55	09:00	56.29	60.7	55.67	55.82	56.29	51.32	40.05	38.98	41.75	39.64	39.85	30.95
17/09/2022 2 09:00	09:05	55.58	61.36	55.55	55.98	56.51	51.43	39.66	39.01	40.64	38.6	38.34	28.38
17/09/2022 2 09:05	09:10	57.01	60.64	55.68	55.93	56.53	51.24	39.61	39.35	40.63	38.86	40.96	41.56
17/09/2022 2 09:10	09:15	56.92	60.47	55.8	55.65	56.28	50.92	39.58	39.95	40.9	37.8	37.84	28.69
17/09/2022 2 09:15	09:20	55.5	59.92	55.31	55.59	55.82	50.51	38.91	38.12	39.85	37.4	39.03	33.78
17/09/2022 2 09:20	09:25	55.66	59.21	55.25	55.54	55.64	50.53	38.82	38.24	40.82	40.63	44.9	31.74
17/09/2022 2 09:25	09:30	57.37	60.28	55.85	55.73	56.42	51.49	40.06	38.25	43.04	37.58	37.55	30.16
17/09/2022 2 09:30	09:35	55.74	59.92	55.67	55.94	56.09	51.15	39.47	39.03	41.56	39.25	43.14	35.49

17/09/2022 2 09:35	09:40	54.82	58.98	54.84	55.17	54.96	50.22	39.12	36.59	38.1	37.43	37.11	29.24
17/09/2022 2 09:40	09:45	55.05	58.01	54.5	54.89	54.89	50.12	38.16	36.06	39.8	37.08	37.58	31.89
17/09/2022 2 09:45	09:50	55.12	58.63	55.19	55.54	55.43	50.76	39.34	36.93	38.78	37.42	38.3	31.49
17/09/2022 2 09:50	09:55	54.77	58.61	55.48	55.55	54.83	50.57	39.6	38.6	39.72	38.48	41.01	33.18
17/09/2022 2 09:55	10:00	54.71	58.77	54.8	54.82	53.68	49.56	39.06	36.2	38.06	36.95	38.46	29.86
17/09/2022 2 10:00	10:05	54.29	59.08	54.55	54.39	53.22	49.02	38.83	36.45	37.54	36.46	35.37	28.14
17/09/2022 2 10:05	10:10	54.03	59.17	54.44	54.37	53.73	49.16	38.72	38.75	37.39	36.93	38.64	31.47
17/09/2022 2 10:10	10:15	53.59	58.97	53.83	53.75	53.52	48.9	37.87	37.93	36.82	36.21	36.13	28.53
17/09/2022 2 10:15	10:20	53.49	59.63	54.05	54.14	53.9	49.43	38.14	37.05	41.52	38.23	40.56	43.04
17/09/2022 2 10:20	10:25	54.24	60.05	54.76	54.4	54.23	50.08	39.13	36.6	39.68	38.81	43.45	37.92
17/09/2022 2 10:25	10:30	65.73	67.24	63.18	58.68	62.73	54.71	48.03	43.36	45.76	42.12	45.45	38.46
17/09/2022 2 10:30	10:35	62.14	63.58	59.96	55.98	60.23	53.45	45.73	40.34	45.77	39.34	40.97	34.8
17/09/2022 2 10:35	10:40	60.97	60.57	57.84	56.7	57.36	51.44	41.95	37.84	42.77	37.79	38.78	32.79
17/09/2022 2 10:40	10:45	63.26	65.21	60.71	59.26	60.22	53.82	44.89	42.31	44.18	41.55	43.68	36.99
17/09/2022 2 10:45	10:50	56.53	60.94	55.81	55.9	54.51	49.64	38.81	38.97	40.21	36.89	40.57	34.34
17/09/2022 2 10:50	10:55	55.77	61.28	57.07	58.73	55.08	49.97	40.79	40.87	40.12	42.41	45.15	34.39
17/09/2022 2 10:55	11:00	54.38	60.91	55.46	55.19	53.21	48.17	36.44	38.51	37.82	37.43	40.05	29.75
17/09/2022 2 11:00	11:05	55.23	61.78	55.79	55.59	54.17	49.03	36.75	38.65	37.07	37.91	41.01	30.73

17/09/2022 2 11:05	11:10	54.76	61.53	54.99	54.81	53.25	48.28	36.44	37.69	35.56	36.27	39.38	28.82
17/09/2022 2 11:10	11:15	55	61.97	55.64	54.88	52.94	48.2	36.3	37.32	35.19	34.18	37.45	29.48
17/09/2022 2 11:15	11:20	55.5	62.81	55.81	55.04	52.99	48.14	37.16	37.85	39.28	35.03	38.12	30.49
17/09/2022 2 11:20	11:25	55.74	62.44	55.84	55.5	53.6	48.29	37.35	38.55	37.19	38.06	42.08	31.34
17/09/2022 2 11:25	11:30	54.93	62.18	54.83	54.82	53.19	48.26	36.94	37.72	36.26	36.47	38.53	29.95
17/09/2022 2 11:30	11:35	55.15	62.24	56.72	55.23	53.13	48.3	38.19	40.23	38.31	36.56	39.16	30.22
17/09/2022 2 11:35	11:40	54.81	61.75	55.14	54.92	53.25	48.11	37.29	40.4	39.89	37.07	39.48	28.93
17/09/2022 2 11:40	11:45	54.61	61.24	55.13	54.53	52.98	48.29	37	37.45	37.57	35.43	38	29.99
17/09/2022 2 11:45	11:50	54.82	60.83	55.54	54.79	53.3	48.29	36.83	38.08	36.42	35.18	38	30.78
17/09/2022 2 11:50	11:55	54.24	61.66	55.27	54.85	53.49	48.77	37.59	39.66	35.94	35.37	38.48	28.65
17/09/2022 2 11:55	12:00	54.18	62.32	55.81	57.29	53.3	48.15	37.18	37.34	37.04	35.34	37.06	32.84
17/09/2022 2 12:00	12:05	54.25	62.63	55.21	54.91	53.44	47.9	36.59	37.7	35.59	35.68	37.22	28.27
17/09/2022 2 12:05	12:10	54.75	62.76	55.25	54.92	53.63	48.4	36.86	38.48	36.64	37.68	40.44	32.67
17/09/2022 2 12:10	12:15	53.86	63.41	55.21	54.52	52.95	47.92	36.6	37.45	34.79	35.41	37.07	26.95
17/09/2022 2 12:15	12:20	53.7	62.48	55.09	54.18	52.34	47.37	37.18	37.8	36.3	36.51	38.33	35.58
17/09/2022 2 12:20	12:25	53.94	62.72	55.34	54.55	52.85	47.99	36.37	37.52	35.31	42.43	45.93	39.74
17/09/2022 2 12:25	12:30	53.86	62.58	55.37	54.42	52.81	48.01	36.3	37.53	38.23	35.41	40.34	26.95
17/09/2022 2 12:30	12:35	53.82	62.49	55.72	54.79	53.12	47.93	36.15	37.48	35.48	36.29	40.99	28.12

17/09/2022 2 12:35	12:40	54.45	62.64	56.14	55.14	53.09	48.01	36.51	38.13	38.11	39.25	46.08	50.47
17/09/2022 2 12:40	12:45	54.74	62.94	56.43	55.38	53.24	47.94	36.68	37.71	35.41	35.18	37.06	28.48
17/09/2022 2 12:45	12:50	54.72	62.64	56.94	57.28	53.83	48.63	37.39	38.5	37.67	36.13	41.51	33.48
17/09/2022 2 12:50	12:55	54.1	62.04	55.62	54.99	53.5	48.34	37.33	40.16	37.6	37.13	40.64	30.32
17/09/2022 2 12:55	13:00	54.03	61.4	55.1	54.29	52.21	47.23	36.11	37.7	35.77	38.65	53.44	36.8
17/09/2022 2 13:00	13:05	53.96	62.05	55.28	54.65	52.41	47.76	36.91	37.8	36.19	37.17	50.86	34.98
17/09/2022 2 13:05	13:10	53.92	61.64	55.38	54.21	52.6	47.77	36.57	37.69	34.86	36.18	40	27.64
17/09/2022 2 13:10	13:15	53.85	61.5	55.04	54.29	52.73	47.89	37.31	38	36.71	35.52	37.72	28.79
17/09/2022 2 13:15	13:20	53.33	60.31	54.78	53.73	52.3	47.62	36.35	37.07	34.46	34.95	40.67	27.31
17/09/2022 2 13:20	13:25	53.49	60.46	54.72	54.03	52.21	47.54	37.05	37.54	38.3	36.5	39.62	32.5
17/09/2022 2 13:25	13:30	53.45	60.45	54.65	53.86	51.94	47.19	36.29	36.91	34.57	35.01	38.5	30.05
17/09/2022 2 13:30	13:35	53.49	60.2	54.81	54.32	52.27	47.45	36.63	38.41	38.56	35.73	38.62	30.09
17/09/2022 2 13:35	13:40	53.81	60.33	54.75	54.51	53.1	48.15	36.41	37.73	36.69	36.44	38.2	28.2
17/09/2022 2 13:40	13:45	53.67	60.88	54.78	54.16	52.52	47.73	36.39	36.89	34.43	35.07	35.35	26.37
17/09/2022 2 13:45	13:50	57.74	60.68	56.46	56.2	53.53	47.99	37.58	38.81	35.97	35.26	37.05	28.89
17/09/2022 2 13:50	13:55	59.07	60.85	55.53	59.51	53.48	48.85	38.17	40.09	37.9	36.24	38.14	29.11
17/09/2022 2 13:55	14:00	54.64	59.97	54.75	54.01	53.14	48.15	35.83	37.56	34.92	35.5	37.04	28.1
17/09/2022 2 14:00	14:05	53.15	61.52	54.81	54.23	52.27	47.22	36.51	37.61	44.14	35.79	38.37	33.63

17/09/2022 2 14:05	14:10	54.81	61.97	55.45	55.14	53.6	48.31	36.71	38.88	45.5	37.87	38.69	33.14
17/09/2022 2 14:10	14:15	54.21	60.87	55.17	54.39	52.99	47.65	36.65	38	42.49	35.38	36.66	30.19
17/09/2022 2 14:15	14:20	53.99	60.49	55.14	54.46	52.47	47.99	36.57	38.21	46.84	36.1	38.24	34.13
17/09/2022 2 14:20	14:25	54.46	61.37	55.12	54.78	53.14	48.27	37.49	38.49	46.67	37.29	40.1	34.55
17/09/2022 2 14:25	14:30	54.35	61.74	55.26	55.3	53.35	48.35	36.71	39.09	44.35	44.71	50.9	38.33
17/09/2022 2 14:30	14:35	54.58	60.95	55.44	55.29	54.07	48.99	37.66	39.37	39.49	36.32	39.29	32.32
17/09/2022 2 14:35	14:40	54.42	60.65	54.65	54.86	54.05	48.77	37.7	40.26	38.38	36.68	39.42	31.74
17/09/2022 2 14:40	14:45	55.03	62.64	54.88	54.73	53.64	48.31	37.04	39.39	37.48	36.05	38.23	30.17
17/09/2022 2 14:45	14:50	54.38	62.88	55.04	54.99	54.35	48.8	36.51	39.92	38.56	37.06	38.5	29.52
17/09/2022 2 14:50	14:55	54.48	62.57	55.39	55.12	54.78	49.71	39.18	41.16	39.91	38.57	40.84	30.64
17/09/2022 2 14:55	15:00	53.73	61.1	54.33	54.67	54.22	48.88	37.53	39.76	38.81	40.31	42.85	33.59
17/09/2022 2 15:00	15:05	53.67	61.26	54.09	54.68	54.59	49.28	37	39.53	38.98	39.03	40.2	30.21
17/09/2022 2 15:05	15:10	53.77	61.43	55.09	54.6	54.82	49.38	37.57	39.8	38.49	36.87	40.51	31.12
17/09/2022 2 15:10	15:15	54.14	62.7	55.38	55.35	55.63	50.06	38.42	40.15	40.21	37.43	43.31	32.21
17/09/2022 2 15:15	15:20	53.59	63.6	55.47	55.19	55	49.21	37.72	39.63	39.55	38.31	44.84	46.9
17/09/2022 2 15:20	15:25	53.85	63.49	55.43	54.8	54.05	48.95	37.4	38.96	37.38	36.6	42.87	31.18
17/09/2022 2 15:25	15:30	54.36	61.16	54.84	54.66	53.77	49.02	36.75	38.18	36.65	36.1	42.29	30.38
17/09/2022 2 15:30	15:35	54.41	62.56	55.75	55.62	55.32	50.19	38.78	42.16	39.58	39.18	44.85	33.03

17/09/2022 2 15:35	15:40	53.98	62.45	55.57	55.98	55.17	49.53	38.89	49.28	42.59	40.34	45.06	32.92
17/09/2022 2 15:40	15:45	54.25	63.29	64.52	55.26	54.97	58.43	41.59	49.42	51.87	42.97	46.01	34.49
17/09/2022 2 15:45	15:50	54.4	62.56	54.91	54.23	53.58	48.25	37.32	45.82	40.16	38.43	41.13	32.26
17/09/2022 2 15:50	15:55	55.25	62.52	55.2	54.41	53.73	48.62	37.62	44.6	37.96	38.02	40.37	31.42
17/09/2022 2 15:55	16:00	55.97	62.51	55.04	54.66	54.5	49.47	39.11	43.56	38.78	38.8	41.25	31.05
17/09/2022 2 16:00	16:05	55.55	61.23	55.07	54.73	54.46	49.17	37.89	40.15	38.42	38.65	41.66	33.14
17/09/2022 2 16:05	16:10	55.11	62.49	55.44	54.65	54.16	49.03	36.85	38.85	37.23	37	38.94	31.36
17/09/2022 2 16:10	16:15	55.12	61.86	54.92	54.83	54.15	48.93	37.73	39.38	37.9	36.47	39.27	31.66
17/09/2022 2 16:15	16:20	54.61	63.06	55.39	54.9	54.47	48.86	37.49	40.12	38.46	37.12	38.86	31.61
17/09/2022 2 16:20	16:25	54.43	62.49	55	54.53	54.4	48.74	36.54	40.16	38.76	37.35	39.5	30.78
17/09/2022 2 16:25	16:30	54.88	62.91	55.22	54.77	54.79	48.99	37.93	43.16	39.08	38.72	40.96	31.1
17/09/2022 2 16:30	16:35	54.37	63.19	55.28	54.64	53.73	48.21	37.8	46.39	43.63	40.21	44.9	36.21
17/09/2022 2 16:35	16:40	54.47	62.49	55.31	54.71	53.72	48.29	37.17	45.55	39.18	39.88	44.02	33.34
17/09/2022 2 16:40	16:45	54.69	63.17	55.6	54.74	54.57	48.65	38.22	47.41	41.82	39.63	43.99	35.64
17/09/2022 2 16:45	16:50	55.74	63.17	55.38	54.92	54.59	48.85	38.42	44.81	43.92	39.56	41.93	33.56
17/09/2022 2 16:50	16:55	55.56	63.07	55.36	55.46	54.65	49.36	37.66	40	42.19	39.81	40.51	33.98
17/09/2022 2 16:55	17:00	55.34	62.22	55.03	54.9	54.04	49.05	38.37	41.08	47.15	40.53	40.4	37.69
17/09/2022 2 17:00	17:05	55.81	62.9	55.72	55.09	55.09	49.58	38.28	39.52	38.13	38.71	38.43	30.96

17/09/2022 2 17:05	17:10	54.41	62.34	54.87	54.53	54.55	48.77	36.95	41.33	55.07	41.43	40.01	36.85
17/09/2022 2 17:10	17:15	54.79	61.96	55.14	54.53	54.31	49.08	37.76	39.68	40.59	39.61	41.95	34.49
17/09/2022 2 17:15	17:20	55.48	61.74	56.73	56.58	54.94	49.15	38.31	38.75	38.04	37.59	38.72	29.22
17/09/2022 2 17:20	17:25	60	63.27	58.12	58.66	57.28	51.5	39.07	40.44	41.05	39.29	40.31	36.69
17/09/2022 2 17:25	17:30	56.26	62.23	55.72	55.6	55.21	49.88	39.38	39.55	39.95	39.44	41.75	34.33
17/09/2022 2 17:30	17:35	57.42	62.25	56.25	56.84	56.64	49.94	40.06	43.09	40.56	40.66	41.8	33.11
17/09/2022 2 17:35	17:40	55.96	61.26	56.32	55.78	57.06	51.29	40.2	41.86	41.06	41.77	43.43	38.26
17/09/2022 2 17:40	17:45	54.97	61.4	55.73	55.64	57.04	51.13	40.8	42.1	42.18	41.78	47.33	38.96
17/09/2022 2 17:45	17:50	56	61.93	56.88	56.47	57.49	52.28	44.61	44	42.66	41.39	42.93	34.94
17/09/2022 2 17:50	17:55	56.16	61.7	56.48	56	57.57	51.93	42.2	44.74	43.1	41.73	43.71	35.61
17/09/2022 2 17:55	18:00	55.31	60.89	55.9	55.41	57.24	51.62	40.36	47.37	42.9	41.32	40.99	31.61
17/09/2022 2 18:00	18:05	55.06	61.13	56.18	55.49	57.28	51.7	40.26	47	43.13	41.23	40.89	31.16
17/09/2022 2 18:05	18:10	55.21	60.77	55.81	55.41	57.41	51.78	40.26	44.38	40.84	40.7	40.42	30.85
17/09/2022 2 18:10	18:15	55.71	60.68	55.75	55.49	57.5	52.12	40.44	39.57	41.73	40.24	39.4	30.27
17/09/2022 2 18:15	18:20	55.13	60.63	55.91	55.52	57.36	51.61	39.59	38.8	40.25	38.46	37.62	29.88
17/09/2022 2 18:20	18:25	54.49	61.1	55.75	55.28	57.29	51.42	39.18	38.56	39.95	38.09	37.71	29.29
17/09/2022 2 18:25	18:30	54.91	60.45	55.8	55.29	57.35	51.65	39.76	38.78	40.24	37.89	38.46	31.3
17/09/2022 2 18:30	18:35	58.9	63.05	57.8	57.38	56.78	51.59	39.47	41.14	40.73	38.8	40.31	32.61

17/09/2022 2 18:35	18:40	55.13	59.48	54.71	54.96	54.48	49.58	38.05	40.76	40.19	37.63	38.91	30.94
17/09/2022 2 18:40	18:45	56.1	59.15	54.82	54.99	54.63	48.92	37.35	40.47	38.3	37.09	38.78	27.49
17/09/2022 2 18:45	18:50	57.46	57.2	54.74	55.5	54.55	49.05	38.24	40.47	38.58	37.1	38.58	29.33
17/09/2022 2 18:50	18:55	57.13	57.67	55.22	55.4	55.03	49.12	37.71	40.98	38.84	37.3	38.49	28.22
17/09/2022 2 18:55	19:00	56.88	55.65	54.53	54.69	54.53	48.95	37.51	43.6	38.41	36.32	37.91	27.39
17/09/2022 2 19:00	19:05	56.32	55.61	54.43	54.13	54.62	49.1	37.47	41.23	38.82	36.73	38.13	28.24
17/09/2022 2 19:05	19:10	55.63	56.15	54.34	54.03	54.08	48.87	36.75	43.39	39.69	40.83	42.56	29.74
17/09/2022 2 19:10	19:15	55.32	56.79	54.4	54.18	54.18	49.07	37.34	40.94	38.8	37.49	38.71	27.5
17/09/2022 2 19:15	19:20	54.4	56.78	54.26	54.06	53.77	48.9	37.13	40.16	37.41	36.06	37.41	26.67
17/09/2022 2 19:20	19:25	54.92	56.15	54.52	53.88	53.76	48.98	37.58	42.02	38.3	37.58	38.5	26.82
17/09/2022 2 19:25	19:30	55.57	55.96	54.44	53.93	53.93	49.26	37.87	41.06	39.75	36.93	38.55	28.69
17/09/2022 2 19:30	19:35	57.15	56.08	54.25	54.18	53.67	48.88	37.98	40.04	37.26	36.61	37.24	26.48
17/09/2022 2 19:35	19:40	56.53	55.64	54.74	54.98	54.42	49.62	37.84	40.94	37.74	39.08	43.8	27.44
17/09/2022 2 19:40	19:45	55.31	56.38	54.57	55.26	54.63	49.82	38.34	41.47	38.73	38.75	44.94	28.3
17/09/2022 2 19:45	19:50	56.44	57.08	54.59	55.31	54.23	49.62	37.67	41.24	38.2	38.25	44.34	27.78
17/09/2022 2 19:50	19:55	55.58	58.87	54.2	55.46	54.81	49.92	38.07	41.7	38.86	38.75	44.64	28.86
17/09/2022 2 19:55	20:00	54.51	61.34	54.88	55.71	54.82	50.37	40.42	42.71	41.9	40.81	45.91	35.81
17/09/2022 2 20:00	20:05	54.91	62.21	55.31	56.02	54.69	50.58	40.83	42.44	39.98	40.26	44.78	30.87

17/09/2022 2 20:05	20:10	54.43	61.98	54.69	55.75	54.87	49.79	38.35	42.31	39.01	38.73	44.02	28.67
17/09/2022 2 20:10	20:15	54.41	61.86	54.59	55.61	54.56	49.65	38.43	43.6	39.6	39.92	40.77	28.6
17/09/2022 2 20:15	20:20	55.54	61.79	55.35	55.4	54.26	49.09	38.06	42.17	39.04	39.43	40.05	28.44
17/09/2022 2 20:20	20:25	55.37	62.04	55.47	55.19	54.13	49.13	38.83	41.64	38.44	37.95	39.05	28.95
17/09/2022 2 20:25	20:30	54.92	62.1	55.36	55.3	54.11	48.85	38.54	41.18	37.69	37.83	38.08	27.18
17/09/2022 2 20:30	20:35	55.21	61.19	55.1	55.08	54.27	49.04	38.63	41.7	38.58	39.34	39.36	29.86
17/09/2022 2 20:35	20:40	55.58	61.2	55.1	55.39	54.47	49.23	38.85	42.14	38.76	38.58	39.07	28.41
17/09/2022 2 20:40	20:45	55.95	59.49	54.4	55.21	54.38	48.82	38.96	45.51	39.66	40.16	41.29	29.2
17/09/2022 2 20:45	20:50	55.38	57.25	54.41	55.44	53.98	48.91	39.57	49.46	42.26	41.21	42.37	32.62
17/09/2022 2 20:50	20:55	55	57.12	54.27	55.39	53.87	49.06	39.48	49.01	42.19	41.04	42.19	30.95
17/09/2022 2 20:55	21:00	55.07	56.68	53.99	55.22	53.77	48.94	39.27	48.99	41.82	40.92	42	29.9
17/09/2022 2 21:00	21:05	55.44	57.74	54.53	55.69	54.38	49.22	39.45	49.73	42.16	41.8	43.47	32.29
17/09/2022 2 21:05	21:10	58.08	59.74	54.79	55.45	54.18	49.09	39.61	49.06	40.57	40.84	42.1	30.08
17/09/2022 2 21:10	21:15	56.04	62.34	54.98	55.34	53.94	49.24	40.74	47.5	42.15	41.46	46	34.56
17/09/2022 2 21:15	21:20	58.26	59.41	55.95	58.21	54.74	49.05	39.78	48.66	41.16	40.81	41.88	29.75
17/09/2022 2 21:20	21:25	57.77	57.81	54.27	55.02	53.99	48.86	39.06	48.74	41.6	40.83	41.54	29.88
17/09/2022 2 21:25	21:30	55.34	60.43	54.48	55.32	53.94	49.05	39.63	48.67	41.84	41.19	41.92	29.99
17/09/2022 2 21:30	21:35	54.91	60.6	54.39	54.96	53.91	48.86	38.88	48.99	41.23	40.96	41.74	29.59

17/09/2022 2 21:35	21:40	54.9	60.92	54.65	55.24	54.13	49.05	39.36	45.54	38.9	39.92	41.26	28.57
17/09/2022 2 21:40	21:45	55.45	61.87	54.8	54.83	53.76	48.92	38.6	40.83	37.79	38.06	38.43	27.47
17/09/2022 2 21:45	21:50	55.43	62.31	55.01	55.19	54.12	49.09	39.34	41.12	37.95	38.12	38.37	29.51
17/09/2022 2 21:50	21:55	57.65	63.79	56.71	56.31	55.25	50.34	39.73	42.02	39.36	39.63	39.31	31.3
17/09/2022 2 21:55	22:00	54.29	61.06	54.55	55.04	54.4	49.66	39.17	41.3	38.4	41.05	43.83	28.48
17/09/2022 2 22:00	22:05	54.33	61.52	54.8	55.21	54.42	49.53	39.35	47.17	39.92	42.21	45.73	29.66
17/09/2022 2 22:05	22:10	54.15	61.56	55.27	55.91	54.52	49.34	38.73	49.01	41.88	42.53	45.81	29.93
17/09/2022 2 22:10	22:15	53.8	61.41	54.49	55.14	54.12	49.06	38.32	48.92	41.42	42.25	44.58	29.76
17/09/2022 2 22:15	22:20	53.99	60.77	54.28	54.95	54.13	49.03	39.35	48.44	41.3	42.01	41.91	29.71
17/09/2022 2 22:20	22:25	56.35	60.96	54.98	54.63	54.42	48.84	37.98	48.77	41.03	41.7	41.48	29.49
17/09/2022 2 22:25	22:30	55.24	59.47	55.36	54.91	54.1	48.69	37.74	48.93	41.19	41.42	41.23	29.41
17/09/2022 2 22:30	22:35	54.98	61.13	55.35	55.05	53.88	48.66	37.61	48.58	41.47	41.61	41.41	29.59
17/09/2022 2 22:35	22:40	54.84	61.27	55.26	55.38	54.3	49.4	38.61	49.63	42.77	42.65	44.18	33.11
17/09/2022 2 22:40	22:45	54.88	60.76	54.61	54.83	54.06	48.94	37.77	46	38.83	40.83	41.18	29.61
17/09/2022 2 22:45	22:50	54.51	61.34	54.76	54.92	54.21	48.9	37.35	40.92	37.96	39.98	39.26	29.26
17/09/2022 2 22:50	22:55	54.78	61.47	54.68	54.94	53.99	49.03	38.13	42.74	39.43	41.37	41.44	30.54
17/09/2022 2 22:55	23:00	55.58	61.45	55.03	54.88	54.09	48.81	37.94	48.26	41.11	41.6	41.66	30.83
17/09/2022 2 23:00	23:05	55.27	61.41	54.86	55.13	53.9	48.83	37.91	48.62	41.57	41.37	41.37	30.65

17/09/2022 2 23:05	23:10	54.63	61.14	55.03	55.02	54	48.92	37.98	49.14	41.32	42	41.58	31.18
17/09/2022 2 23:10	23:15	54.66	61.26	55.27	55.07	54.02	49.14	38.18	49.87	41.58	41.77	42.01	31.48
17/09/2022 2 23:15	23:20	54.81	61.2	55.02	54.7	54.02	48.89	37.91	47.25	39.01	40.9	40.9	30.2
17/09/2022 2 23:20	23:25	55.09	61.2	55.08	54.99	54.05	48.96	37.61	43.98	38.16	40.23	40.51	29.47
17/09/2022 2 23:25	23:30	54.56	61.47	55.03	55	54.17	49.08	38.09	45.16	38.73	40.89	40.94	30.69
17/09/2022 2 23:30	23:35	54.56	61.35	55.17	54.91	54.12	49.06	38.35	47.81	39.56	41.41	42.6	34.79
17/09/2022 2 23:35	23:40	54.48	61.32	54.83	54.76	54.09	48.9	37.98	46.21	38.22	40.63	40.49	30.18
17/09/2022 2 23:40	23:45	55.15	60.1	55.35	54.99	54.2	49.07	37.58	41.14	38.13	39.53	39.71	29.63
17/09/2022 2 23:45	23:50	55.07	60.19	55.19	54.87	54.4	49.22	36.91	40.23	38.09	39.73	39.13	28.5
17/09/2022 2 23:50	23:55	54.94	59.63	54.98	54.74	54.14	49.32	37.98	41.8	38.83	40.61	40.69	29.89
17/09/2022 2 23:55	00:00	55.8	59.53	55.12	54.93	54.36	48.75	38.45	48.26	40.34	41.26	41.14	29.74
18/09/2022 2 00:00	00:05	55.9	60.81	55.6	55.44	54.45	49.07	39.04	49.32	41.5	41.73	41.43	30.14
18/09/2022 2 00:05	00:10	55.33	60.38	55.41	55.41	54.4	49.06	38.96	49.33	41.77	41.93	41.82	31.21
18/09/2022 2 00:10	00:15	55.2	60.78	55.54	55.61	54.58	49.25	39.44	50.43	42.49	42.26	42.31	32.24
18/09/2022 2 00:15	00:20	54.87	61.71	54.86	55.5	54.35	49.22	39.11	50.72	42.25	42.1	42.38	31.32
18/09/2022 2 00:20	00:25	55.06	61.87	55.2	55.75	54.39	49.31	39.42	49.5	40.45	41.62	41.99	30.73
18/09/2022 2 00:25	00:30	55.2	61.9	55.18	55.59	54.19	49	39.29	48.52	40.01	41.18	41.83	30.55
18/09/2022 2 00:30	00:35	55.91	62.38	55.74	55.64	54.19	48.99	39.09	49.89	40.61	41.11	41.29	30.49

18/09/2022 2 00:35	00:40	57.06	60.85	56.62	55.56	54.3	49.26	39.62	46.65	39.57	41.02	41.66	30.77
18/09/2022 2 00:40	00:45	56.45	60.85	56.17	55.29	54.36	49	38.6	40.81	38.15	39.57	38.83	28.59
18/09/2022 2 00:45	00:50	56.07	61.51	55.46	55.45	54.31	49.01	38.53	40.55	37.54	39.6	38.03	28.51
18/09/2022 2 00:50	00:55	55.45	62.39	55.65	55.68	54.33	49.04	38.39	40.55	37.72	39.59	38.28	28.56
18/09/2022 2 00:55	01:00	55.95	61.62	55.95	55.54	54.46	49.12	38.41	40.85	37.63	39.66	37.82	28.1
18/09/2022 2 01:00	01:05	55.78	61.78	55.5	55.66	54.38	49.12	38.44	41.91	38.53	40.18	39.45	28.99
18/09/2022 2 01:05	01:10	55.66	61.97	55.62	55.52	54.07	48.84	38.89	48.31	41.23	42.12	42.1	30.58
18/09/2022 2 01:10	01:15	55.33	61.87	55.39	55.45	53.97	48.77	39.26	49.01	41.99	42.26	41.97	30.9
18/09/2022 2 01:15	01:20	56.46	61.77	55.42	55.43	54.25	49.07	39.32	47.44	39.59	41.78	42.02	30.08
18/09/2022 2 01:20	01:25	55.95	60.67	55.42	55.58	54.22	49.3	39.42	41.34	38.78	41.08	39.66	29.1
18/09/2022 2 01:25	01:30	56.11	60.2	55.35	55.78	54.63	49.23	39.39	41.41	38.4	40.54	38.76	28.32
18/09/2022 2 01:30	01:35	56.12	60.6	55.43	55.29	54.62	49.07	39.07	41.43	38.24	40	38.81	29.34
18/09/2022 2 01:35	01:40	55.35	59.53	55.24	55.46	54.39	49.07	38.46	41.4	38.26	40.01	38.94	29
18/09/2022 2 01:40	01:45	55.21	60.48	54.91	55.17	53.99	48.76	38.21	40.87	37.64	39.56	38.75	28.95
18/09/2022 2 01:45	01:50	55.44	61.29	54.56	55.38	54.38	48.78	38.1	40.75	37.23	39.32	38.48	28.09
18/09/2022 2 01:50	01:55	55.26	62.11	55.34	55.46	54.37	49.24	38.8	40.9	37.8	39.93	39.02	28.73
18/09/2022 2 01:55	02:00	55.2	61.71	55.36	55.63	54.51	49.42	39.35	41.47	38.14	40.29	39.16	28.6
18/09/2022 2 02:00	02:05	55.38	62.44	55.33	55.73	54.49	49.44	39.04	41.96	38.9	41.16	40.39	29.68

18/09/2022 2 02:05	02:10	55.64	62.32	55.45	55.71	54.52	49.35	40.31	48.18	40.5	42.53	42.8	31.05
18/09/2022 2 02:10	02:15	55.87	63.02	55.5	55.51	54.54	49.06	39.68	50.66	43.41	42.65	43.11	32.69
18/09/2022 2 02:15	02:20	56.15	62.9	55.69	55.58	54.7	49.26	40.06	49.94	41.62	42.41	43.37	31.89
18/09/2022 2 02:20	02:25	56.12	61.71	55.25	55.5	54.51	49.43	39.54	42.6	39.27	41.6	41.31	30.21
18/09/2022 2 02:25	02:30	55.96	61.75	55.15	55.79	54.49	49.22	39.07	41.32	38.42	40.8	39.08	28.8
18/09/2022 2 02:30	02:35	55.63	62.24	55.2	55.82	54.43	49.21	38.67	40.85	37.59	40.27	38.39	28.28
18/09/2022 2 02:35	02:40	55.56	61.85	55.34	55.53	54.4	49.17	38.67	41	37.63	40.13	38.51	28.5
18/09/2022 2 02:40	02:45	55.25	62.11	55.23	55.81	54.56	49.31	39.13	41.42	38.05	40.36	38.91	28.9
18/09/2022 2 02:45	02:50	55.31	61.73	55.2	55.4	54.17	49.42	38.91	43.71	39.11	40.29	39.31	29.48
18/09/2022 2 02:50	02:55	54.88	61.53	55.25	55.56	54.29	49.53	38.58	43.03	38.4	40.42	39.42	28.81
18/09/2022 2 02:55	03:00	55.09	61.49	55.15	55.5	54.12	49.03	38.15	41.57	39.2	40.5	39.8	28.43
18/09/2022 2 03:00	03:05	55.59	60.65	54.85	55.03	54.15	49.15	37.87	43.38	38.36	40.52	39.62	29.03
18/09/2022 2 03:05	03:10	56.07	58.02	54.98	54.62	53.89	48.91	37.59	40.24	37.01	39.69	38.76	27.68
18/09/2022 2 03:10	03:15	57.41	58.27	54.93	54.39	54.03	48.75	37.6	40.68	37.36	39.44	37.96	27.95
18/09/2022 2 03:15	03:20	56.74	59.99	56.12	55.65	54.3	48.72	38.14	40.68	37.49	39.41	38.73	27.59
18/09/2022 2 03:20	03:25	56.14	61.67	55.42	54.93	53.9	48.61	37.76	40.28	36.86	39.23	37.76	27.17
18/09/2022 2 03:25	03:30	55.99	61.64	55.37	54.84	54.17	48.89	37.88	39.86	36.37	39.11	37.5	26.88
18/09/2022 2 03:30	03:35	56.2	60.34	55.35	54.92	54	48.58	38.11	39.96	36.25	39.06	37.89	27.24

18/09/2022 2 03:35	03:40	56.54	60.94	55.35	54.93	54.17	48.63	37.5	39.66	36.45	38.85	37.55	29.4
18/09/2022 2 03:40	03:45	56.49	60.79	55.22	55.23	54.23	48.57	37.65	40.06	36.5	38.65	37.58	27.37
18/09/2022 2 03:45	03:50	56.46	61.08	55.56	54.89	53.98	48.52	37.76	40.27	36.86	39.28	37.76	27.01
18/09/2022 2 03:50	03:55	56.1	60.61	55.15	54.64	54.09	48.88	37.72	40.41	37.7	40.04	38.81	27.97
18/09/2022 2 03:55	04:00	56.23	60.72	55.36	54.79	53.96	48.68	37.61	40.41	37.42	40	38.37	27.73
18/09/2022 2 04:00	04:05	55.74	60.62	55.3	55.14	54.12	48.81	38.73	41.23	38.13	40.6	38.84	28.87
18/09/2022 2 04:05	04:10	56.23	60.47	55.62	55.26	54.19	48.93	38.29	40.81	39.08	40.25	38.5	29.46
18/09/2022 2 04:10	04:15	56.07	60.51	55.46	55.13	54.08	48.73	38.45	41.1	37.9	40.52	38.77	30.25
18/09/2022 2 04:15	04:20	55.61	60.76	55.46	55.29	54.29	49.28	39.09	41.83	39.11	40.99	39.23	30.6
18/09/2022 2 04:20	04:25	55.82	61.32	55.78	55.57	54.45	49.56	39.81	42.33	39.65	41.35	40.06	31.43
18/09/2022 2 04:25	04:30	56.09	61.93	55.56	55.41	54.49	49.4	39.73	41.97	38.8	40.88	39.53	31.87
18/09/2022 2 04:30	04:35	56.01	61.98	55.75	55.45	54.73	49.42	39.68	42.47	39.31	41.23	39.47	31.97
18/09/2022 2 04:35	04:40	56.22	61.88	55.29	55.35	54.48	49.07	39.37	42.21	38.59	40.65	39.48	31.87
18/09/2022 2 04:40	04:45	55.93	61.89	55.93	55.58	54.86	49.56	40.45	42.48	39.23	40.98	39.63	32.24
18/09/2022 2 04:45	04:50	56.74	62.18	55.88	55.79	54.99	49.55	40.9	42.79	39.57	41.18	39.86	31.65
18/09/2022 2 04:50	04:55	56.25	61.83	56.13	55.83	55.08	49.81	40.91	42.96	39.61	40.56	40.15	31.63
18/09/2022 2 04:55	05:00	56.38	61.6	56.21	55.85	55.06	49.72	40.92	43.16	39.44	41.09	40.09	31.7
18/09/2022 2 05:00	05:05	56.54	61.5	56.09	56.11	55.27	50.04	40.61	43.06	39.52	41.51	39.84	30.45

18/09/2022 2 05:05	05:10	56.49	61.58	56.19	55.74	55.46	50.1	40.87	42.91	39.48	41.72	39.8	30.84
18/09/2022 2 05:10	05:15	56.1	61.05	56.53	56.12	55.42	50.22	40.76	43.15	39.88	41.93	40.4	32.09
18/09/2022 2 05:15	05:20	56.21	60.68	56.55	55.88	54.94	49.77	40.18	42.32	38.87	41.39	39.43	29.82
18/09/2022 2 05:20	05:25	55.59	60.41	55.89	54.98	54.51	49.14	39.39	42.47	38.69	40.81	39.02	28.76
18/09/2022 2 05:25	05:30	55.86	60.55	55.7	55.41	54.35	49.14	39.46	42.63	38.77	40.98	39.39	29.15
18/09/2022 2 05:30	05:35	56.13	59.92	55.81	55.19	54.76	49.78	39.62	42.27	38.78	41.33	39.68	29
18/09/2022 2 05:35	05:40	56.24	61.91	55.7	55.57	55.11	49.86	39.66	42.56	38.88	41.52	39.66	29.19
18/09/2022 2 05:40	05:45	56.39	62.36	56.54	56.04	55.59	50.26	40.73	43.63	39.65	42.2	40.47	30.48
18/09/2022 2 05:45	05:50	56.63	61.96	56.49	55.86	55.86	50.42	40.35	43.45	39.4	42.28	40.4	30.02
18/09/2022 2 05:50	05:55	55.85	62.11	56.35	55.49	55.58	50.04	39.65	42.64	39.42	41.96	40.08	29.48
18/09/2022 2 05:55	06:00	55.58	60.94	55.71	54.99	54.58	49.29	38.32	41.04	37.2	40	38.38	27.21
18/09/2022 2 06:00	06:05	55.64	60.72	56.29	55.42	54.56	49.57	38.79	41.02	37.48	40.45	38.72	27.82
18/09/2022 2 06:05	06:10	55.48	59.9	55.87	55.07	54.77	49.56	38.95	41.2	37.89	40.77	38.71	28.15
18/09/2022 2 06:10	06:15	55.35	59.94	55.88	55.24	54.45	49.31	38.89	41.42	38.27	40.57	39.86	29.96
18/09/2022 2 06:15	06:20	55.64	60.84	55.48	55.43	54.45	49.3	38.84	41.65	38.17	40.43	39.02	29.27
18/09/2022 2 06:20	06:25	55.57	62.61	56.17	55.57	54.65	49.57	38.97	42.58	39.01	40.85	39.78	31.16
18/09/2022 2 06:25	06:30	56.71	61.48	56.31	55.55	54.72	49.63	39.56	45.71	39.77	42.07	42.12	30.81
18/09/2022 2 06:30	06:35	56	61.22	56.32	55.35	54.5	49.35	39.98	49.68	40.85	42.68	42.95	31.9

18/09/2022 2 06:35	06:40	56.22	60.64	56.04	55.55	54.49	49.48	40.3	43.12	40.58	41.67	41.78	31.61
18/09/2022 2 06:40	06:45	56.03	60.45	56.17	55.63	54.37	49	39.72	42.37	39.34	40.52	39.74	30.53
18/09/2022 2 06:45	06:50	55.95	60.49	55.83	55.35	54.42	49.21	39.48	41.82	40.95	40.8	39.4	33.06
18/09/2022 2 06:50	06:55	55.99	60.77	56.56	55.85	54.61	49.37	40.1	42.08	41.25	40.63	39.26	31.53
18/09/2022 2 06:55	07:00	55.77	60.72	56.11	55.78	54.87	49.44	39.7	42.37	42.35	41.45	39.87	32.3
18/09/2022 2 07:00	07:05	56.04	62.36	56.71	56.25	54.81	49.57	39.52	42.47	42.83	41.83	39.54	31.35
18/09/2022 2 07:05	07:10	55.39	61.86	55.95	55.87	54.98	49.76	39.33	42.28	41.67	41.8	41.34	32.8
18/09/2022 2 07:10	07:15	55.78	62.08	55.77	55.68	54.24	49.48	38.97	43.39	42.49	41.97	39.88	30.27
18/09/2022 2 07:15	07:20	55.3	60	56.03	55.7	54.05	49	39.44	49.67	43.51	43.74	43.83	32.08
18/09/2022 2 07:20	07:25	54.44	59.1	55.51	55.23	53.94	49.07	38.97	49.02	42.05	44.18	43.05	31.08
18/09/2022 2 07:25	07:30	54.75	59.56	55.28	55.19	54.16	49.43	39.46	48.9	42.14	43.57	43.93	32.24
18/09/2022 2 07:30	07:35	55.17	58.88	54.76	54.67	53.45	48.92	39.08	47.98	41.73	44.51	43.97	30.03
18/09/2022 2 07:35	07:40	56.58	60.09	55.78	55.45	54.02	49.72	39.79	42.21	41.91	45.34	44.28	29.76
18/09/2022 2 07:40	07:45	59.55	59.76	55.24	55.36	54.28	51.35	39.75	41.81	38.98	41.3	42.93	30.14
18/09/2022 2 07:45	07:50	56.48	61.24	55.21	55.13	54.33	49.2	38.25	42.16	39.1	40.52	39.83	30.39
18/09/2022 2 07:50	07:55	56.74	61.97	55.92	55.69	54.89	49.48	38.42	42.59	39.69	40.99	39.8	30.55
18/09/2022 2 07:55	08:00	55.7	62.93	56.2	55.95	54.89	49.57	37.94	42.38	40.82	40.07	39.38	28.86
18/09/2022 2 08:00	08:05	55.23	63.16	56.07	55.85	54.6	49.43	37.54	42.22	39.05	39.93	39.38	29.39

18/09/2022 2 08:05	08:10	55.69	64.56	55.94	55.84	54.87	49.58	37.79	42.21	39.22	40.84	40.09	29.85
18/09/2022 2 08:10	08:15	55.69	63.87	56.07	55.91	54.66	49.53	37.63	41.45	38.77	40.24	39.55	29.59
18/09/2022 2 08:15	08:20	56.42	64.95	56.69	55.84	54.98	49.55	37.77	41.61	39.29	40.04	39.8	30.27
18/09/2022 2 08:20	08:25	56.27	64.9	56.54	55.78	54.91	49.43	38.05	41.65	40.46	39.93	43.8	35.43
18/09/2022 2 08:25	08:30	56.37	63.65	56.49	55.78	54.66	49.56	39.03	42.13	42.78	40.02	40.38	32.22
18/09/2022 2 08:30	08:35	56.12	63.02	56.25	55.41	54.45	49.32	38.3	42.64	44.58	39.5	38.95	31.02
18/09/2022 2 08:35	08:40	55.68	63.17	56.24	55.24	54.3	49.11	37.83	42.4	44.25	39.83	38.96	31.19
18/09/2022 2 08:40	08:45	56.22	63.16	56.33	55.7	54.78	49.66	38.97	42.57	39.57	42.88	39.49	29.53
18/09/2022 2 08:45	08:50	55.92	63.15	55.98	55.55	54.64	49.33	38.39	41.76	38.56	41.6	39.01	30.29
18/09/2022 2 08:50	08:55	55.89	62.77	56.1	55.41	54.56	49.19	36.81	41.84	38.6	40.48	39.61	31.09
18/09/2022 2 08:55	09:00	55.9	62.7	56.22	55.51	54.68	49.85	37.98	42.78	40.57	43.76	44.35	35.13
18/09/2022 2 09:00	09:05	56.06	62.43	55.85	55.27	54.54	49.46	38.96	49.68	42.06	42.06	44	35.52
18/09/2022 2 09:05	09:10	56.21	62.39	55.62	55.58	56.91	51.15	40.34	50.52	43.4	42.62	43.01	32.67
18/09/2022 2 09:10	09:15	55.6	61.84	56.07	56.48	56.7	51.27	41.62	47.79	43.52	43.22	45.22	43.28
18/09/2022 2 09:15	09:20	54.84	60.08	54.46	55.8	56.93	51.64	39.92	39.73	41.83	41.78	40.71	37.19
18/09/2022 2 09:20	09:25	54.52	59.27	54.42	55.7	56.78	51.58	39.19	39.38	40.83	41.87	41.67	35.46
18/09/2022 2 09:25	09:30	54.7	60.17	54.35	55.71	56.4	51.25	38.24	38.37	39.09	40.33	40.69	31.55
18/09/2022 2 09:30	09:35	59.53	63.95	58.02	57.08	60.07	52.8	43.02	39.77	40.92	40.65	40.44	32.14

18/09/2022 2 09:35	09:40	55.39	60.99	54.3	55.57	56.55	51.31	38.69	38.31	39.36	40.62	38.63	30.18
18/09/2022 2 09:40	09:45	56.27	59.93	54.68	55.91	56.62	51.31	38.65	39.65	42.84	41.43	40.36	39.24
18/09/2022 2 09:45	09:50	59.91	58.15	55.63	57.44	60.55	54.01	40.72	39.52	40.59	40.87	39.3	30.61
18/09/2022 2 09:50	09:55	55.7	59.1	55.07	55.85	56.82	51.72	40.51	40.32	49.51	41.64	42.21	39.15
18/09/2022 2 09:55	10:00	55.11	60.17	55.34	55.67	57.06	51.83	40.89	40.21	48.2	39.92	38.79	33.49
18/09/2022 2 10:00	10:05	55.22	60.44	55.41	55.57	56.82	51.46	40.59	38.48	39.71	41.76	48.43	32.09
18/09/2022 2 10:05	10:10	55.13	60.32	55.57	55.87	57.03	51.76	41.34	38.96	40.51	39.22	38.04	29.67
18/09/2022 2 10:10	10:15	55.22	62.33	55.96	56.17	57.3	51.75	41.38	39.65	40.48	39.76	40.31	34.4
18/09/2022 2 10:15	10:20	54.94	62.99	55.84	55.84	56.97	51.58	40.92	38.29	39.09	39.02	39.15	29.16
18/09/2022 2 10:20	10:25	55.68	63.04	56.77	55.99	57.28	51.84	40.73	40.24	39.98	39.5	38.82	30.04
18/09/2022 2 10:25	10:30	53.75	62.06	55.49	56.1	57.26	52.18	42.05	48.24	43.28	42.61	42.88	35.01
18/09/2022 2 10:30	10:35	54.3	62.66	55.98	56.04	57.21	52.03	41.46	46.99	42.36	42.08	43.47	31.94
18/09/2022 2 10:35	10:40	53.93	61.91	56.21	56.36	57.71	52.4	41.29	47.88	43.8	42.63	44.01	32.81
18/09/2022 2 10:40	10:45	54.11	61.19	55.84	56.06	57.53	52.15	41.11	48.02	45.96	43.97	45.12	36.53
18/09/2022 2 10:45	10:50	53.26	60.48	55.36	56.06	57.03	51.84	41	47.96	44.98	42.71	44.17	35.82
18/09/2022 2 10:50	10:55	53.95	60.51	55.17	55.9	57.25	51.86	40.79	47.15	45.03	42.04	43.24	33.78
18/09/2022 2 10:55	11:00	55.05	61.52	56.01	56.35	57.54	52.61	44.51	49.72	48.64	43.81	44.37	37.84
18/09/2022 2 11:00	11:05	54.19	61.76	56.1	56.26	57.83	52.36	41.32	45.92	47	42.23	43.31	40.53

18/09/2022 2 11:05	11:10	54.79	61.91	56.5	56.24	57.79	52.46	40.74	40.18	47.43	42.04	42.61	36.67
18/09/2022 2 11:10	11:15	57.64	63.2	57.93	58.63	62.98	54.32	46.12	42.2	49.53	45.09	47.91	38.17
18/09/2022 2 11:15	11:20	55.61	62.02	56.77	57.11	58.65	52.84	42.09	48.45	48.49	43.4	44.2	36.06
18/09/2022 2 11:20	11:25	54.12	61.44	56.21	56.35	57.87	52.16	41.19	49.29	47.38	43.05	43.75	35.6
18/09/2022 2 11:25	11:30	53.9	61.01	56.37	56.34	57.5	52.05	41.12	49.43	48.03	43.13	43.19	34.72
18/09/2022 2 11:30	11:35	55.02	61.62	56.81	56.64	57.53	51.98	41	44.02	45.46	41.91	42.83	34.08
18/09/2022 2 11:35	11:40	54.39	61.64	56.14	55.85	57.63	52.15	40.12	39.83	47.96	41.63	44.7	41.25
18/09/2022 2 11:40	11:45	55.03	61.94	56.46	56.47	57.07	53.8	48.8	39.56	47.15	42.02	46.99	38.28
18/09/2022 2 11:45	11:50	54.92	61.79	55.95	56.11	57.48	53.48	49.7	39.14	46.58	41.62	46.47	36.17
18/09/2022 2 11:50	11:55	55.66	61.29	55.62	55.93	57.63	52.27	49.08	39.59	44.05	42	42.79	37.82
18/09/2022 2 11:55	12:00	55.37	60.4	55.43	55.77	57.24	52.88	48.71	44.77	51.8	43.11	44.65	36.76
18/09/2022 2 12:00	12:05	55.8	61.16	55.82	55.56	57.53	52.34	47.52	40.88	45.86	42.07	42.1	36.41
18/09/2022 2 12:05	12:10	62.28	64.63	60.24	61.65	63.32	54.79	46.99	42.58	47.34	42.26	41.96	36.26
18/09/2022 2 12:10	12:15	56.15	60.94	56.79	56.85	57.67	52.02	40.69	41.85	46.19	41.97	41.15	34.69
18/09/2022 2 12:15	12:20	55.35	60.68	55.58	56.25	57.18	51.67	41.37	47.95	47.67	43.14	41.96	35.27
18/09/2022 2 12:20	12:25	54.31	61.9	55.43	57.01	57.08	51.68	40.85	49.6	47.5	43.75	43.26	37.25
18/09/2022 2 12:25	12:30	54.77	62.34	56.29	57.04	57.16	51.93	41.01	44.86	44.56	41.97	42	35.07
18/09/2022 2 12:30	12:35	54.8	61.11	55.5	56.39	57.23	52.15	40.78	40.07	45.19	41.41	43.12	35.7

18/09/2022 2 12:35	12:40	55.49	61	55.48	56.66	57.61	52.01	40.92	39.79	43.22	39.84	40.22	32.89
18/09/2022 2 12:40	12:45	55.15	61.03	55.13	56.93	57.63	51.92	40.17	40.01	42.57	39.96	44.1	40.31
18/09/2022 2 12:45	12:50	54.68	60.89	55.08	56.59	57.23	51.83	39.93	39.62	42.29	40.76	41.28	33.27
18/09/2022 2 12:50	12:55	54.56	60.73	55.12	56.11	57.24	52.35	41.76	39.89	42.26	40.78	41.57	32.31
18/09/2022 2 12:55	13:00	55.35	60.95	56.52	56.26	57.02	51.66	40.94	45.64	43.24	41.13	42.09	35.24
18/09/2022 2 13:00	13:05	55.72	61.06	55.72	56.89	57.49	52.27	41.91	48.3	44.63	41.46	42.88	33.39
18/09/2022 2 13:05	13:10	54.87	60.41	55.81	56.62	57.45	52.4	41.68	50	44.89	41.41	43.59	33.53
18/09/2022 2 13:10	13:15	55.33	60.62	55.8	56.65	57.49	52.23	41.58	49.95	44.77	41.52	42.01	33.17
18/09/2022 2 13:15	13:20	56.17	61.53	55.99	56.47	56.93	51.64	41.65	45.57	42.66	42.7	48.95	36.55
18/09/2022 2 13:20	13:25	55.99	61.32	56.23	56.68	57.77	52.59	42.13	41.37	45.5	41.42	42.55	40.62
18/09/2022 2 13:25	13:30	55.74	61.68	57.13	57.6	57.34	51.99	40.52	40.19	42.73	40.54	40.55	35.21
18/09/2022 2 13:30	13:35	55.47	61.03	55.4	56.28	57.25	51.94	40.4	39.76	42.22	42.33	39.87	32.23
18/09/2022 2 13:35	13:40	55.32	61.85	55.27	55.97	57.36	51.85	40.1	39.35	41.44	42.03	40.61	32.91
18/09/2022 2 13:40	13:45	61.48	65.95	58.89	59.22	57.31	52.68	39.76	41.73	42.66	40.38	41.65	34.46
18/09/2022 2 13:45	13:50	55.6	62.79	55.48	55.23	54.84	49.35	37.43	40.69	39.99	38.03	41.22	32.89
18/09/2022 2 13:50	13:55	56	62.93	55.69	55.45	54.69	49.57	38.14	40.86	40.3	38.55	40.51	31.97
18/09/2022 2 13:55	14:00	55.95	62.76	56.89	56.43	55.57	50.19	38.25	41.58	40.04	38.69	41.42	34.65
18/09/2022 2 14:00	14:05	55.97	63.3	57.18	56.23	55.37	49.68	37.76	41.11	39.21	37.68	39.95	31.83

18/09/2022 2 14:05	14:10	54.98	62.44	55.36	55.1	54.98	49.65	37.51	41.24	39.4	37.91	40.02	31.25
18/09/2022 2 14:10	14:15	55.31	63.27	55.89	55.92	56.12	49.98	37.99	40.61	40.82	38.08	41.17	34.9
18/09/2022 2 14:15	14:20	55.73	63.93	56.01	55.44	54.85	49.33	38.08	40.46	40.22	38.04	41.53	36.61
18/09/2022 2 14:20	14:25	55.67	64.14	55.94	55.44	54.9	49.24	37.8	40.52	40.12	38.09	40.64	32.55
18/09/2022 2 14:25	14:30	55.85	62.83	55.86	56.02	54.87	49.54	38.37	40.37	39.94	37.69	40.38	31.82
18/09/2022 2 14:30	14:35	56.3	60.02	55.02	55.49	54.69	49.45	37.73	40.84	40.24	37.62	40.97	32.33
18/09/2022 2 14:35	14:40	56.02	59.51	54.79	55.37	54.65	49.28	37.6	40.46	39.95	37.36	40.27	32.49
18/09/2022 2 14:40	14:45	55.61	61.01	54.78	56.17	54.81	49.12	37.58	39.52	38.94	37.36	38.31	30.32
18/09/2022 2 14:45	14:50	55.58	62.01	55.03	55.69	55.18	49.06	38	39.79	38.66	37.48	38.67	30.48
18/09/2022 2 14:50	14:55	55.32	60.32	55.05	55.88	55.02	49.2	37.63	39.76	38.66	37.35	39.01	30.49
18/09/2022 2 14:55	15:00	55.44	59.33	54.41	55.14	54.48	49.15	36.99	39.59	40.68	39.73	41.52	32.93
18/09/2022 2 15:00	15:05	55.32	60.43	54.93	56.46	55.01	49.45	38.11	40.08	38.74	37.72	39.78	30.65
18/09/2022 2 15:05	15:10	56.12	59.95	55.36	55.28	54.61	49.43	37.9	39.21	38.23	37.83	41.14	32.37
18/09/2022 2 15:10	15:15	57.16	60.52	55.75	55.67	55.39	49.56	38.34	39.89	39.54	38.04	39.83	33.82
18/09/2022 2 15:15	15:20	60.15	65.06	59.51	60.62	57.18	52.43	40.07	41.46	41.26	38.36	40.93	34.52
18/09/2022 2 15:20	15:25	56.2	62.38	55.54	55.98	55.13	50.19	38	40.47	38.72	36.91	38.48	31.05
18/09/2022 2 15:25	15:30	54.78	60.36	54.83	55.54	54.92	49.32	37.57	40.18	38.91	37.52	39.48	30.51
18/09/2022 2 15:30	15:35	54.74	61.39	54.97	54.98	54.72	48.95	37.33	40.07	38.59	36.99	37.88	28.61

18/09/2022 2 15:35	15:40	54.88	61.09	54.5	54.97	54.53	49.33	37.48	40.05	38.65	37.73	40.29	31.01
18/09/2022 2 15:40	15:45	55.25	61.15	54.67	54.48	54.42	49.35	37.83	39.24	38.63	36.63	38.6	30.54
18/09/2022 2 15:45	15:50	55.87	62.79	54.67	54.15	54	48.81	36.94	39.06	37.84	36.82	39.4	31.45
18/09/2022 2 15:50	15:55	55.87	61.96	54.69	56.24	54.2	49.19	37.76	39.91	39.14	38.64	40.22	33.02
18/09/2022 2 15:55	16:00	54.66	61.59	55.1	54.79	54.93	49.65	38.62	41.16	40.18	37.72	40.73	32.15
18/09/2022 2 16:00	16:05	55.19	60.45	55.91	57.11	55.42	49.72	38.76	41.3	40.7	37.23	40.13	31.95
18/09/2022 2 16:05	16:10	55.18	60.51	55.44	55.73	54.77	49.4	37.47	40.77	40.79	37.16	39.85	31.86
18/09/2022 2 16:10	16:15	54.84	61.47	55.44	55.82	54.77	49.43	37.79	40.94	40.85	38.26	40.59	34.24
18/09/2022 2 16:15	16:20	56.69	62.57	54.99	54.56	54.35	49.06	37.64	40.38	39.23	37.38	39.01	30.32
18/09/2022 2 16:20	16:25	56.98	63.07	54.7	54.65	55.13	49.06	37.22	39.84	38.95	38.23	39.98	31.23
18/09/2022 2 16:25	16:30	55.68	61.39	54.92	56.36	55.67	49.54	38.37	41.82	39.98	40.81	44.16	34.46
18/09/2022 2 16:30	16:35	55.19	60.77	54.72	54.79	54.51	49.11	37.71	40.26	40.19	38.04	40.9	33.82
18/09/2022 2 16:35	16:40	55.47	60.4	55.23	56.09	54.83	49.63	38.37	41.41	41.82	40.46	42.37	34.96
18/09/2022 2 16:40	16:45	54.58	59.59	54.91	56.31	54.59	49.43	37.8	40.86	40.07	38.78	40.46	32.39
18/09/2022 2 16:45	16:50	54.58	60.95	55.4	55.86	55.02	49.59	37.84	40.21	39.62	39	40.15	31.21
18/09/2022 2 16:50	16:55	55.1	60.88	55.29	55.34	54.77	49.44	37.13	39.97	39.09	38.34	38.8	29.81
18/09/2022 2 16:55	17:00	54.95	60.76	55.04	57	54.86	49.51	37.68	40.09	40	38.25	38.9	30.24
18/09/2022 2 17:00	17:05	55.5	61.35	55.29	55.23	54.74	49.3	37.54	40.12	39.38	39.3	40.73	34.46

18/09/2022 2 17:05	17:10	56.95	59.87	54.98	58.44	54.83	49.53	38.23	40.58	39.48	40.64	39.34	31.29
18/09/2022 2 17:10	17:15	57.72	59.16	54.77	57.46	55.44	50.13	38.89	41.55	40.79	38.77	40.34	31.86
18/09/2022 2 17:15	17:20	56.75	59.33	56.65	64.1	58.01	50.04	40.38	43.71	43.26	43.1	48.79	39.34
18/09/2022 2 17:20	17:25	56.2	58.73	54.5	58.57	56.8	49.7	37.78	40.69	39.84	38.51	39.69	32.12
18/09/2022 2 17:25	17:30	55.54	61.02	54.68	60.48	56.53	49.83	38	40.54	39.15	38.37	39.25	31.19
18/09/2022 2 17:30	17:35	55.67	63.06	56.04	54.95	55.33	49.67	37.68	39.97	38.5	38.16	39.39	30.54
18/09/2022 2 17:35	17:40	56.26	62.77	56.37	55.43	55.43	50.69	40.5	40.49	41.36	38.88	40.48	31.46
18/09/2022 2 17:40	17:45	55.51	61.67	55.26	54.96	54.93	49.61	37.62	40.31	38.72	38.9	39.46	32.62
18/09/2022 2 17:45	17:50	55.32	61.02	55.55	55.13	54.59	49.48	37.46	39.95	38.53	38.53	38.49	29.29
18/09/2022 2 17:50	17:55	55.58	61.83	56.12	55.79	54.54	49.92	39.38	41.29	40.79	40.45	42.18	34.4
18/09/2022 2 17:55	18:00	55.32	62.14	56.69	56.64	54.56	49.77	38.68	40.73	40.27	39.48	39.96	30.96
18/09/2022 2 18:00	18:05	56.73	62.47	56.62	56.42	55.69	49.96	38.89	41.16	40.22	39.35	39.71	30.61
18/09/2022 2 18:05	18:10	55.62	61.57	55.37	55.79	55.19	49.81	38.01	40.66	40.7	39.27	39.45	31
18/09/2022 2 18:10	18:15	57.26	62.96	56.7	56.82	55.17	49.74	38.83	40.67	40.62	39.12	39.08	29.89
18/09/2022 2 18:15	18:20	57	62.6	56.01	55.59	54.79	49.64	38.3	40.27	38.55	38.26	39.24	29.36
18/09/2022 2 18:20	18:25	57.63	62.7	56.21	55.69	55.01	49.58	37.66	40.31	38.16	37.9	38.12	28.59
18/09/2022 2 18:25	18:30	56.23	60.44	56.02	55.61	54.86	49.6	37.56	40	38.5	38.15	38.4	28.58
18/09/2022 2 18:30	18:35	56.35	59.58	55.97	55.25	55.08	50	37.68	40.37	39.12	38.09	38.63	29.19

18/09/2022 2 18:35	18:40	56.25	60.54	55.7	55.82	55.1	49.47	37.43	40.13	37.84	37.72	37.78	27.91
18/09/2022 2 18:40	18:45	55.39	60.92	55.87	55.85	54.89	49.21	37.25	39.63	37.96	37.5	37.78	28.86
18/09/2022 2 18:45	18:50	55.2	59.89	55.64	55.32	54.48	49.16	37.18	39.68	39.1	40.94	42.25	36.69
18/09/2022 2 18:50	18:55	55.53	60.63	55.65	55.77	55.2	49.5	38.47	40.28	39.53	37.39	38.42	28.57
18/09/2022 2 18:55	19:00	56.06	61	56.11	55.51	55.12	49.47	37.61	40.52	38.86	37.53	38.18	28.48
18/09/2022 2 19:00	19:05	55.14	60.67	55.23	54.94	55.15	49.38	37.34	40.6	38.04	37.99	38.41	28.77
18/09/2022 2 19:05	19:10	55.58	59.84	55.07	55.16	54.67	49.31	37.25	41.27	39.16	38.95	39.07	28.89
18/09/2022 2 19:10	19:15	56.49	59.8	55.62	56.21	55.47	49.47	38.21	41.33	39.19	39.19	39.65	30.76
18/09/2022 2 19:15	19:20	56.03	60.38	55.78	55.87	55.46	49.83	38.17	41.61	39.89	38.27	39.08	31.42
18/09/2022 2 19:20	19:25	55.88	61	56.29	56.27	55.51	49.92	37.96	41.22	39.09	38.48	40.23	32.92
18/09/2022 2 19:25	19:30	56.22	61.18	56.62	56.17	55.14	49.6	37.95	42.25	40.38	39.99	41.02	33.77
18/09/2022 2 19:30	19:35	55.6	61.21	55.78	55.35	55.04	49.58	37.97	41.56	39.57	39.44	40.19	30.37
18/09/2022 2 19:35	19:40	55.22	61.64	55.31	55.37	55.28	49.45	37.59	40.73	38.17	38.82	38.82	33.26
18/09/2022 2 19:40	19:45	55.01	62.75	55.3	55.63	55.17	49.66	38.05	42.48	40.81	40.18	40.28	33.84
18/09/2022 2 19:45	19:50	54.82	62.45	55.22	55.32	54.96	49.52	38.01	41.67	39.3	38.31	38.54	30.32
18/09/2022 2 19:50	19:55	55.12	62.48	54.99	55.43	55.43	49.67	37.93	41	38.82	38.31	38.53	30.28
18/09/2022 2 19:55	20:00	54.49	61.33	54.58	55.07	54.96	49.4	37.42	41.81	38.94	37.82	38.81	28.77
18/09/2022 2 20:00	20:05	55.22	60.61	54.63	55.06	55.32	49.64	37.31	41.95	40.56	41.87	50.95	33.49

18/09/2022 2 20:05	20:10	57.33	60.46	56.36	57.92	55.67	50.28	38.49	43	39.77	39.36	39.87	29.92
18/09/2022 2 20:10	20:15	55.66	60.9	54.55	55.11	55.2	49.63	37.94	41.6	38.92	38.23	38.77	31.74
18/09/2022 2 20:15	20:20	54.57	61.78	54.96	55.04	55.32	49.77	37.89	41.78	39.17	38.42	38.48	29.24
18/09/2022 2 20:20	20:25	55.06	61.34	55.11	55.22	54.99	49.45	37.89	41.4	39.21	38.55	39.02	29.68
18/09/2022 2 20:25	20:30	55.4	61.58	55.54	55.57	55.1	49.71	38.09	42.35	38.91	39.61	39.6	30.08
18/09/2022 2 20:30	20:35	54.08	60.24	54.78	55.24	55.22	49.98	38.08	42.56	39	38.75	39.3	29.72
18/09/2022 2 20:35	20:40	54.07	60.13	54.81	56.08	54.87	50.1	39.93	43.51	42.56	42.06	45.73	36.96
18/09/2022 2 20:40	20:45	54.28	61.73	54.58	55.79	55.06	50.44	39.54	41.55	40.12	39.12	41.41	32.42
18/09/2022 2 20:45	20:50	54.3	61.9	54.96	55.52	55.24	50.1	37.77	42.46	39.01	39.54	42.51	30.29
18/09/2022 2 20:50	20:55	54.08	62.03	54.88	55.38	55.2	50	37.54	41.81	38.81	39.72	45.37	30.62
18/09/2022 2 20:55	21:00	54.23	62.36	54.8	55.48	55.11	50.06	37.43	41.69	38.32	39.15	45.25	30.31
18/09/2022 2 21:00	21:05	54.7	62.47	55.32	55.63	55.31	50.16	37.78	43.45	39.81	39.58	45.38	31.45
18/09/2022 2 21:05	21:10	54.35	62.52	54.96	55.33	55.07	49.77	37.5	42.45	38.9	39.21	44.83	30.22
18/09/2022 2 21:10	21:15	54.73	63.02	55.28	55.37	55.42	49.81	37.56	41.75	38.72	39.32	44.77	30.07
18/09/2022 2 21:15	21:20	54.06	62.8	55	55.36	55.47	50.05	37.96	42.24	38.98	39.31	44.03	29.93
18/09/2022 2 21:20	21:25	54.25	62.67	54.8	55.16	55.27	49.73	37.29	41.13	38.05	38.34	38.9	29.01
18/09/2022 2 21:25	21:30	54.41	60.9	55.02	55.46	55.14	49.69	37.63	41.14	38.32	40.08	43.66	37.88
18/09/2022 2 21:30	21:35	55.13	62.17	54.98	55.31	55.39	49.68	37.51	41.21	39.03	38.84	38.6	31.52

18/09/2022 2 21:35	21:40	55.54	60.64	55.51	55.29	55.26	49.72	38.19	41.56	38.05	38.45	39.03	29.74
18/09/2022 2 21:40	21:45	55.94	60.47	55.52	55.25	55.2	49.74	38.33	41.52	37.95	37.8	38.9	29.81
18/09/2022 2 21:45	21:50	56.26	59.96	55.7	54.87	55.02	49.54	36.49	41.18	37.14	37.13	38.68	30.35
18/09/2022 2 21:50	21:55	55.27	59.85	55.37	54.68	54.91	49.68	36.68	41.48	37.46	38.01	39.42	30.87
18/09/2022 2 21:55	22:00	54.38	61.67	54.7	55.07	54.91	49.45	36.62	41.57	37.31	37.97	38.74	29.86
18/09/2022 2 22:00	22:05	54.96	60.49	55	54.77	55.09	49.64	36.51	42.52	38.64	39.36	39.82	30.61
18/09/2022 2 22:05	22:10	54.93	59.87	55.09	55.02	55.03	49.88	37.62	43.92	38.27	40.05	41.68	30.82
18/09/2022 2 22:10	22:15	56.02	60.51	55.27	55.27	54.72	49.82	38.13	48.58	40.71	40.67	41.67	31.45
18/09/2022 2 22:15	22:20	54.9	60.91	54.8	54.73	54.87	49.4	37.42	49.31	41.73	41.01	42	31.77
18/09/2022 2 22:20	22:25	55.17	60.78	55.24	54.74	55.08	49.44	37.79	48.03	39.23	40.08	41.24	30.8
18/09/2022 2 22:25	22:30	55.69	60.85	55.21	55.05	55.03	49.69	37.98	43.65	37.87	39.92	40.49	29.84
18/09/2022 2 22:30	22:35	55.24	60.24	55.05	54.67	55.05	50.1	38.8	41.93	43.28	42.68	46.25	37.31
18/09/2022 2 22:35	22:40	54.97	59.77	54.55	55.6	55.11	49.65	36.62	40.55	37.79	39.16	39.09	28.83
18/09/2022 2 22:40	22:45	54.59	60.3	54.83	55.1	54.8	49.5	36.39	40.5	37.42	38.8	38.93	28.84
18/09/2022 2 22:45	22:50	55.06	59.08	54.73	54.64	54.56	49.56	36.39	40.16	37.34	38.45	39.06	29.28
18/09/2022 2 22:50	22:55	55.08	58.67	54.43	54.58	55.03	49.58	35.94	39.98	37.03	38.24	38.69	28.72
18/09/2022 2 22:55	23:00	55.2	58.65	54.5	54.77	55	49.6	36.01	40.18	36.96	38.23	38.65	29.16
18/09/2022 2 23:00	23:05	54.8	60.2	54.37	54.45	54.7	49.26	35.83	39.59	36.31	37.43	37.35	28.13

18/09/2022 2 23:05	23:10	54.32	60.22	54.37	54.44	54.07	48.69	35.81	39.51	35.75	36.77	36.73	28.22
18/09/2022 2 23:10	23:15	54.55	60.92	54.55	54.83	54.36	48.59	35.77	39.44	37.58	36.66	36.95	28.78
18/09/2022 2 23:15	23:20	54.61	61.27	54.08	54.5	54.43	48.8	35.94	39.45	35.21	36.17	36.12	27.19
18/09/2022 2 23:20	23:25	54.05	61.14	53.96	54.84	54.62	49.19	36.22	39.79	35.78	36.93	39.42	28.07
18/09/2022 2 23:25	23:30	57.85	62.51	54.31	55.79	54.81	49.48	36.35	40.1	35.83	38.27	42.44	27.78
18/09/2022 2 23:30	23:35	54.4	61.15	53.57	54.57	54.05	48.75	35.59	39.38	35.24	36.65	38.09	30.22
18/09/2022 2 23:35	23:40	53.97	62.04	54.12	55.38	53.97	48.79	36.2	39.64	35.69	36.72	36.48	28.34
18/09/2022 2 23:40	23:45	54.65	60.13	54.75	55.26	54.51	48.92	36.5	39.74	35.18	36.9	36.38	27.18
18/09/2022 2 23:45	23:50	55.12	60.85	54.91	55.03	54.5	48.78	36.11	39.24	34.65	36.7	36.06	28.22
18/09/2022 2 23:50	23:55	54.63	61.57	54.46	54.7	53.91	48.69	36.29	39.52	35.56	36.66	36.12	27.19
18/09/2022 2 23:55	00:00	55.11	61.14	54.31	54.7	54.37	48.87	36.47	39.55	35.14	36.85	36.54	27.25
19/09/2022 2 00:00	00:05	54.86	61.55	54.42	54.42	54.14	48.69	36.55	39.8	35.15	36.83	36.55	27.01
19/09/2022 2 00:05	00:10	54.7	62.1	54.28	54.32	54.04	48.72	35.73	39.19	34.65	36.55	36.16	26.95
19/09/2022 2 00:10	00:15	54.97	61.44	53.68	53.89	53.39	48.58	35.39	37.92	32.65	34.28	35.96	24.07
19/09/2022 2 00:15	00:20	53.28	60.84	53.88	52.78	52.13	47.88	35.15	37.57	37.36	37.43	44.79	40.22
19/09/2022 2 00:20	00:25	53.39	60.78	54.01	53.31	52.72	48.46	35.46	37.35	34.46	34.02	40.49	36.23
19/09/2022 2 00:25	00:30	53.88	61.18	55.22	54.19	53.08	48.74	35.52	37.28	32.4	31.6	34.14	26.08
19/09/2022 2 00:30	00:35	53.37	61.85	53.91	53.43	53.43	48.49	35.22	36.95	32.1	32.37	33.63	25.4

19/09/2022 2 00:35	00:40	53.48	61.73	54.33	54.03	53.75	48.6	35.29	37.37	32.8	33.1	34.45	25.98
19/09/2022 2 00:40	00:45	54.02	61.17	54.1	53.58	53.36	48.1	34.43	37.17	32.34	33.63	35.87	25.1
19/09/2022 2 00:45	00:50	55.18	62.35	54.33	53.8	53.3	47.92	34.23	37.2	32.54	35.63	34.84	26.94
19/09/2022 2 00:50	00:55	57.2	61.79	54.53	54.62	53.49	48.15	35.15	38.35	33.37	35.86	34.98	26.53
19/09/2022 2 00:55	01:00	55.35	61.52	54.08	53.67	53.77	48.42	35.01	37.8	33.47	36.96	39.42	27.49
19/09/2022 2 01:00	01:05	56.43	59.52	53.77	53.57	53.57	48.2	34.61	37.44	33.61	35.59	36.4	25.49
19/09/2022 2 01:05	01:10	55.08	57.63	53.89	53.27	53.65	48.13	34.38	37.59	33.16	35.14	36.18	26.03
19/09/2022 2 01:10	01:15	56.09	58.2	53.77	53.52	53.6	48.27	34.55	38.28	33.81	36.27	35.26	26.19
19/09/2022 2 01:15	01:20	57.67	60.09	53.84	53.53	53.43	48.01	34.65	38.23	35.14	36.28	37.21	30.96
19/09/2022 2 01:20	01:25	60.66	61.21	55.06	56.35	54.54	48.58	35.31	38.79	33.62	36.83	34.77	25.14
19/09/2022 2 01:25	01:30	57.85	58.71	54.35	54.32	54.23	48.67	35.03	38.96	33.95	37.61	35.63	25.65
19/09/2022 2 01:30	01:35	58.73	59.44	54.68	54.53	54.65	48.85	35.53	39.64	34.54	37.94	36.67	26.48
19/09/2022 2 01:35	01:40	56.09	61.24	54.67	55.62	54.39	48.89	35.8	40.47	36.28	38.88	37.15	26.93
19/09/2022 2 01:40	01:45	55.88	62.85	54.77	54.95	54.63	49.43	37.31	47.25	40.05	40.77	40.82	28.92
19/09/2022 2 01:45	01:50	57.49	62.34	56.46	56.76	55.02	49.53	39.02	50.03	41.9	42.67	42.87	31.14
19/09/2022 2 01:50	01:55	59.35	59.38	54.38	54.9	54.24	49.34	38.61	49.72	41.54	42.56	42.33	30.15
19/09/2022 2 01:55	02:00	56.43	59.31	54.4	54.79	54.22	49.33	38.58	50.19	42.81	42.94	42.58	31.53
19/09/2022 2 02:00	02:05	55.61	60.35	53.93	54.57	55.06	49.84	38.82	50.33	41.65	42.73	43.03	31.41

19/09/2022 2 02:05	02:10	54.43	62.08	54.44	55.26	54.99	50.19	37.64	42.38	37.85	41.1	41.26	29.53
19/09/2022 2 02:10	02:15	53.54	61.96	53.84	54.98	54.72	49.71	36.75	41.24	36.34	38.27	38.4	27.29
19/09/2022 2 02:15	02:20	57.55	61.51	55.14	57.56	55.18	49.4	36.57	40.19	35.64	37.56	39.3	26.89
19/09/2022 2 02:20	02:25	57	61.09	53.42	54.38	53.97	48.58	35.01	39.81	35.13	37.52	36.41	26
19/09/2022 2 02:25	02:30	53.56	62.27	53.84	54.51	54.37	49.05	35.84	40.22	35.18	36.8	37.76	26.37
19/09/2022 2 02:30	02:35	53.53	62.27	53.92	54.89	54.93	49.28	36.03	40.05	34.8	36.1	37.31	26.11
19/09/2022 2 02:35	02:40	53.62	61.95	53.97	54.99	54.82	49.24	35.96	40.02	34.54	36.13	36.76	26.09
19/09/2022 2 02:40	02:45	53.51	62.37	54.4	54.49	54.5	49.28	35.91	39.39	34.88	36.54	40.2	25.56
19/09/2022 2 02:45	02:50	53.77	62.11	54.41	54.47	54.51	49.32	36.02	41.89	35.38	37.74	41.56	27.09
19/09/2022 2 02:50	02:55	58.85	60.58	54.51	55.55	54.61	49.88	37.05	40.06	35.59	36.19	38.49	26.94
19/09/2022 2 02:55	03:00	55.82	61.51	54.08	54.8	54.45	49.37	35.73	39.98	34.65	35.4	37.51	25.96
19/09/2022 2 03:00	03:05	54.02	62.31	53.93	54.85	54.28	49.52	35.98	40.86	36.18	37.11	38.09	26.71
19/09/2022 2 03:05	03:10	53.46	62.04	53.7	54.45	54.22	49.47	35.82	41.97	37.03	38.04	38.63	27.54
19/09/2022 2 03:10	03:15	53.77	61.89	54.14	54.87	54.35	49.42	35.91	41.3	35.79	36.72	37.83	26.61
19/09/2022 2 03:15	03:20	56.1	61.57	55.48	57.71	55.47	49.85	36.66	42.01	35.79	37.4	37.87	26.68
19/09/2022 2 03:20	03:25	57.38	58.97	53.58	54.98	54.19	49.33	35.71	39.25	34.25	36.6	36.79	25.67
19/09/2022 2 03:25	03:30	56.16	60.01	53.86	54.34	54.36	49.17	35.81	39.67	34.06	35.77	35.85	25.72
19/09/2022 2 03:30	03:35	54.79	60.95	54.03	54.67	54.32	48.91	35.71	42.42	34.61	36.69	35.75	25.27

19/09/2022 2 03:35	03:40	55.08	61.92	54.36	55.96	54.6	49.35	35.79	39.84	35.4	37.57	36.67	26.02
19/09/2022 2 03:40	03:45	54.65	60.59	54.36	55.09	54.23	49.24	35.78	40.34	37.04	38.69	39.36	29.1
19/09/2022 2 03:45	03:50	54.5	61.6	54.22	55.11	54.39	49.46	35.93	40.34	37.05	38.6	39.22	27.22
19/09/2022 2 03:50	03:55	54.98	61.47	54.19	54.82	53.62	48.64	34.95	39.79	35.51	37.53	39.88	26.37
19/09/2022 2 03:55	04:00	55.17	61.87	54.73	54.77	53.71	48.44	35.4	39.77	35.39	37.09	37.17	27.27
19/09/2022 2 04:00	04:05	54.88	61.8	54.84	55.11	54.2	48.85	35.78	39.74	35.34	37.63	37.29	27.47
19/09/2022 2 04:05	04:10	55.07	61.63	55.26	55.08	53.83	49.11	36.48	40.38	35.53	37.25	37.58	28.87
19/09/2022 2 04:10	04:15	54.59	61.96	54.31	53.92	53.43	48.21	34.9	39.24	34.57	36.74	36.28	27.55
19/09/2022 2 04:15	04:20	54.7	61.93	54.26	54.39	53.37	48.18	35.48	39.23	34.82	36.98	36.31	26.55
19/09/2022 2 04:20	04:25	54.51	61.71	54.45	53.96	53.09	48.36	35.13	40.04	35.46	37.28	37	28.69
19/09/2022 2 04:25	04:30	54.46	60.92	54.15	53.78	52.75	47.95	34.54	39.18	34.14	36.2	35.84	26.94
19/09/2022 2 04:30	04:35	54.11	60.67	53.68	53.91	53.19	48.31	35.16	39.2	34.21	36.01	35.91	28.14
19/09/2022 2 04:35	04:40	54.01	60.7	54.28	53.93	53.43	48.58	35.23	39.78	34.67	37.3	36.25	26.82
19/09/2022 2 04:40	04:45	54.78	61.1	54.44	54.07	53.2	48.74	35.62	39.64	35.91	38.14	38.22	28.06
19/09/2022 2 04:45	04:50	54.33	61.09	54.08	54.12	53.37	48.4	36.69	46.68	38.39	40.51	41.06	29.2
19/09/2022 2 04:50	04:55	54.54	61.24	54.33	54	53.32	48.34	36.49	48.55	40.05	40.75	41.18	30.51
19/09/2022 2 04:55	05:00	54.28	61.51	54.33	53.82	53.37	48.05	36.47	47.3	38.7	39.69	39.9	28.68
19/09/2022 2 05:00	05:05	54.6	61.26	54.52	53.84	53.78	48.49	36.67	44.25	36.85	39.98	40.68	29.08

19/09/2022 2 05:05	05:10	54.48	61.1	54.09	53.87	53.4	48.49	35.08	39.58	36.47	38.32	38.29	27.87
19/09/2022 2 05:10	05:15	53.96	60.43	53.6	54.2	53.61	49.19	35.61	39.83	35.67	37.2	39.04	27.11
19/09/2022 2 05:15	05:20	53.46	60.74	54.18	54.85	54.62	49.95	36.69	41.05	36.91	38.62	39.54	28.7
19/09/2022 2 05:20	05:25	54.53	61.36	55.6	55.59	54.84	49.83	38.1	46.02	38.64	40.48	42.11	29.71
19/09/2022 2 05:25	05:30	53.69	61.56	54.43	55.04	54.84	49.77	38.67	50.15	42.31	42.07	42.88	31.06
19/09/2022 2 05:30	05:35	53.74	61.6	54.46	55.37	54.43	49.12	38.63	49.74	41.38	42.13	42.91	31.67
19/09/2022 2 05:35	05:40	54.51	59.84	56.33	56.16	55.67	50.04	40.99	47.44	42.27	42.21	43.6	31.62
19/09/2022 2 05:40	05:45	54.57	59.9	54.91	55.24	54.75	49.88	38.21	42.11	38.62	40.92	42.1	30.66
19/09/2022 2 05:45	05:50	54.14	61.22	54.56	55.33	54.56	49.97	37.49	42.35	40.66	40.26	41.93	31.36
19/09/2022 2 05:50	05:55	53.97	61.1	54.64	55.6	54.48	49.95	37.15	42.18	38.69	40.65	42.09	31.04
19/09/2022 2 05:55	06:00	54.06	60.01	54.67	55.11	54.46	49.95	36.83	41.1	37.54	39.52	41.49	30.2
19/09/2022 2 06:00	06:05	53.69	60.64	54.47	55.49	54.79	50.2	37.8	42.36	38.56	40.55	42.64	30.91
19/09/2022 2 06:05	06:10	53.87	61.62	55.42	56.04	55.04	50.07	39	47.98	39.83	41.27	44.32	31.05
19/09/2022 2 06:10	06:15	54.67	61.83	56.77	56.97	55.03	50.3	40.1	51.31	43.82	43.22	45.51	35.51
19/09/2022 2 06:15	06:20	55.2	60.23	54.55	55.6	54.46	49.62	38.68	51.72	43.7	42.21	44.8	32.41
19/09/2022 2 06:20	06:25	55.2	59.57	54.37	55.57	54.47	49.57	38.08	49.97	42.88	42.78	46.56	37.45
19/09/2022 2 06:25	06:30	55.6	59.26	54.24	55.39	54.09	49.68	38.85	47.99	41.36	41.08	45.05	33.46
19/09/2022 2 06:30	06:35	57.9	59.24	54.03	56.25	53.52	49.29	37.06	42.25	38.86	40.35	44.12	31.65

19/09/2022 2 06:35	06:40	59.78	59.68	54.03	56.11	53.97	49.38	37.06	40.99	38.68	39.42	42.99	32.92
19/09/2022 2 06:40	06:45	60.58	59.52	54.09	56.13	53.58	49.51	39.8	42.61	42.33	42.21	45.97	36.72
19/09/2022 2 06:45	06:50	61.48	58.98	54.3	55.94	53.74	49.15	37.34	48.11	40.68	40.28	41.94	29.04
19/09/2022 2 06:50	06:55	60.76	59.4	54.6	55.64	54.26	49.72	38.77	50.42	42.66	41.51	43.38	30.21
19/09/2022 2 06:55	07:00	59.28	59.78	54.18	55.31	53.9	48.95	38.46	50.19	42.01	41.44	43.26	30.7
19/09/2022 2 07:00	07:05	60.2	59.03	54.22	55.13	53.58	49.02	38.47	50.14	42.29	41.81	43.72	30.36
19/09/2022 2 07:05	07:10	60.48	59.29	54.18	54.8	53.74	48.96	38.31	50.59	42.43	42.04	44.09	30.79
19/09/2022 2 07:10	07:15	60.31	59.05	54.25	55	53.28	48.87	37.99	50.42	42.09	41.47	43.43	31.21
19/09/2022 2 07:15	07:20	60.16	59.2	54.3	55.98	55.24	49.25	38.71	50.68	42.49	41.39	44.09	30.82
19/09/2022 2 07:20	07:25	58.98	59.01	54.22	55.77	55.03	50.29	39.41	48.24	42.87	41.54	43.69	41.91
19/09/2022 2 07:25	07:30	58.99	58.08	53.96	55.49	55.33	50.88	40.13	47.52	42.86	41.16	41.39	32.4
19/09/2022 2 07:30	07:35	59.84	57.64	54.06	56.23	55.58	50.7	39.64	46.15	41.66	40.62	40.71	31.52
19/09/2022 2 07:35	07:40	59.81	57.37	54.27	56.47	56.15	51.28	39.91	45.05	40.81	40.18	39.89	30.44
19/09/2022 2 07:40	07:45	59.58	57.2	54.21	55.35	55.98	51.14	39.65	46.07	41.35	40.71	41	34.49
19/09/2022 2 07:45	07:50	59.2	57.86	54.31	55.58	57.01	52.05	40.38	44.31	40.81	40.57	42.82	43.11
19/09/2022 2 07:50	07:55	59.07	58.33	54.67	55.21	56.41	51.85	39.89	39.59	39.32	38.17	39.11	29.51
19/09/2022 2 07:55	08:00	58.96	58.07	54.37	55.2	56.07	51.52	38.14	37.33	38.35	35.47	36.63	27.9
19/09/2022 2 08:00	08:05	57.06	58.01	54.81	55.59	56.11	51.65	38.9	37.17	38.2	35.22	36.88	28.97

19/09/2022 2 08:05	08:10	57.1	57.47	54.44	54.89	56.04	51.72	39.54	37.72	39.39	36.43	38.85	30.82
19/09/2022 2 08:10	08:15	58.59	57.79	55.17	55	56.11	51.99	40.13	37.8	39.75	37.16	38.32	27.96
19/09/2022 2 08:15	08:20	58.25	58.5	56.15	55.42	57.86	52.4	40.06	38.52	40.95	37.55	38.52	28.81
19/09/2022 2 08:20	08:25	56.55	58.17	55.08	55.44	57.18	52.7	38.95	38.06	39.44	36.99	38.03	27.73
19/09/2022 2 08:25	08:30	58.98	58.15	55.3	56.65	57.44	52.99	39.39	38.45	38.9	35.25	37.79	27.14
19/09/2022 2 08:30	08:35	56.9	54.09	51.48	51.32	55.38	50.19	37.1	40.93	39.18	36.73	40.29	27.28
19/09/2022 2 08:35	08:40	54.26	54.26	49.89	49.5	55.21	49.29	37.25	45.38	39.68	39.08	38.74	28.95
19/09/2022 2 08:40	08:45	50.67	56.09	49.75	49.95	55.62	49.17	37.4	46.81	39.96	39.72	38.97	29.91
19/09/2022 2 08:45	08:50	50.72	55.97	50.22	49.86	56.35	49.65	38.4	46.21	39.71	40.37	38.38	29.01
19/09/2022 2 08:50	08:55	51	56.51	50.2	50.03	56.05	49.94	37.67	37.72	37.42	37.22	35.66	25.81
19/09/2022 2 08:55	09:00	51.83	60.65	50.35	50.34	55.77	49.08	37.12	34.05	34.67	33.9	34.15	25.54
19/09/2022 2 09:00	09:05	50.88	60.98	49.88	49.98	55.59	49.15	34.37	33.7	38.44	33.27	34.7	26.6
19/09/2022 2 09:05	09:10	50.53	59.97	50.1	50.73	55.86	49.36	34.96	36.19	39.89	36.04	42.26	43.61
19/09/2022 2 09:10	09:15	50.56	58.85	49.91	50.36	55.94	49.28	34.61	34.1	37.65	34.84	36.95	30.09
19/09/2022 2 09:15	09:20	51.07	59.64	50.54	50.82	55.48	48.83	34.72	33.77	35.04	34.06	34.46	24.9
19/09/2022 2 09:20	09:25	51.33	59.81	50.26	50.95	55.89	49.44	34.47	34.54	35.05	33.61	33.18	25.66
19/09/2022 2 09:25	09:30	51.38	59.36	50.38	51.18	55.79	49.35	34.16	33.63	35.1	33.23	32.56	24.46
19/09/2022 2 09:30	09:35	50.93	58.46	50.75	51.07	55.2	48.9	34.33	33.14	35.02	31.89	33.85	24.48

19/09/2022 2 09:35	09:40	51.63	59.56	51.29	50.95	55.03	48.79	34.59	33.01	33.89	32.31	32.11	23.67
19/09/2022 2 09:40	09:45	51.49	59.12	50.56	50.27	54.3	48.01	34.04	32.03	33.7	31.22	32.93	25.76
19/09/2022 2 09:45	09:50	52.2	58.32	50	50.77	54.59	48.12	34.42	32.58	35.02	31.23	33.42	25.87
19/09/2022 2 09:50	09:55	51.93	58.82	50.15	50.77	55.19	48.74	34.96	33.86	36.6	32.84	35.63	25.54
19/09/2022 2 09:55	10:00	51.71	59.85	51.1	51.57	56.31	49.83	36.17	33.6	34.95	33.81	36.2	27.29
19/09/2022 2 10:00	10:05	51.39	60.32	51.9	52.64	56.9	50.31	37.15	37.43	42.12	38.78	44.99	35.89
19/09/2022 2 10:05	10:10	51.84	59.56	50.9	51.2	55.82	49.5	34.58	33.01	34.53	33.75	33.33	26.41
19/09/2022 2 10:10	10:15	50.93	58.82	50.64	51.29	56.08	49.59	34.87	33.48	35.04	33.23	32.99	25.77
19/09/2022 2 10:15	10:20	50.56	58.7	50.69	51.45	55.74	49.13	34.26	32.93	33.93	32.91	33.09	27.26
19/09/2022 2 10:20	10:25	50.8	58.92	50.8	50.94	55.36	48.88	34.87	33.04	34.16	32.78	33.04	26.62
19/09/2022 2 10:25	10:30	50.59	59.3	50.44	51.25	55.08	48.77	34.35	33.29	34.53	33.23	35.63	29
19/09/2022 2 10:30	10:35	50.62	60.48	49.89	50.71	54.91	48.58	34.06	32.86	33.35	32.86	33.66	26.88
19/09/2022 2 10:35	10:40	50	60.62	50.21	51.3	54.42	48.36	35.51	34.71	37.43	35.44	40.63	35.06
19/09/2022 2 10:40	10:45	49.16	60.02	49.33	50.53	54.1	47.92	34.13	33.47	35.13	35.53	39.01	31.99
19/09/2022 2 10:45	10:50	50.66	58.21	49.8	50.97	55.28	48.78	34.11	32.04	34.9	34.13	36.92	31
19/09/2022 2 10:50	10:55	55.55	58.44	52.07	54.3	56.16	49.6	35.43	35.82	36.43	34.11	36.22	28.33
19/09/2022 2 10:55	11:00	61.17	57.52	56.3	55.73	58.44	50.29	36.6	34.48	35.22	34.24	36.18	29.06
19/09/2022 2 11:00	11:05	52.75	57.09	48.85	50.96	55.79	49.4	34.21	33.25	35.4	33.9	36.32	28.66

19/09/2022 2 11:05	11:10	50.76	58.02	49.23	51.75	55.8	49.18	33.44	35.44	33.66	32.79	33.16	24.92
19/09/2022 2 11:10	11:15	58.15	56.22	54.11	54	57.63	50.09	34.41	34.73	37.77	40.99	44.94	31.71
19/09/2022 2 11:15	11:20	52.67	58.38	50.18	51.94	56.69	50.22	33.94	36.87	36.13	35.82	35.73	33.38
19/09/2022 2 11:20	11:25	51.14	60.36	51.04	52.63	55.83	49.18	34.47	35.12	36.99	37.93	40.98	41.8
19/09/2022 2 11:25	11:30	51.69	58.8	51.53	53.2	55.94	49.49	34.21	33.06	34.79	34.64	36.77	28.62
19/09/2022 2 11:30	11:35	55.71	60.28	53.85	52.68	57.32	50.57	39.25	36.74	42.86	36	35.92	29.57
19/09/2022 2 11:35	11:40	51.29	58.52	49.97	52.05	56.27	49.4	34.53	32.7	34.52	33.84	37.22	28.97
19/09/2022 2 11:40	11:45	59.1	60.97	56.31	53.04	59.08	52.38	42.55	38.82	46.12	37.3	38.01	30.85
19/09/2022 2 11:45	11:50	51.25	59.34	50.85	50.96	55.54	48.94	34.02	31.1	34.11	33.24	33.69	27.58
19/09/2022 2 11:50	11:55	51.19	58.87	49.53	51.5	56.28	49.58	34.88	32.5	34.24	33.08	33.99	26.56
19/09/2022 2 11:55	12:00	50.4	58.67	49.3	51.53	56.11	49.1	33.72	32.64	34.1	33.16	35.11	26.47
19/09/2022 2 12:00	12:05	50.17	57.39	48.87	51.1	55.98	49.16	33.46	32.69	33.61	32.89	34.22	25.83
19/09/2022 2 12:05	12:10	51.04	57.67	49.05	51.28	55.93	49.55	32.81	31.52	33.26	33.45	33.75	26.01
19/09/2022 2 12:10	12:15	52.25	58.5	51.99	52.49	56.29	50.03	34.26	33.05	35.24	34.34	38.26	35.05
19/09/2022 2 12:15	12:20	53.43	59.1	52.47	52.1	56.03	50.01	35.71	38.81	36.54	34.22	36.4	27.28
19/09/2022 2 12:20	12:25	52.4	57.75	49.79	51.55	56.18	49.61	33.17	33.72	32.94	32.66	32.86	24.55
19/09/2022 2 12:25	12:30	48.02	55.16	48.62	49.22	56.03	49.5	34.2	34.31	35.5	33.95	38.48	31.96
19/09/2022 2 12:30	12:35	55.77	55.75	47.41	48.33	56.07	49.35	33.36	31.13	34.01	31.59	31.88	23.5

19/09/2022 2 12:35	12:40	51.19	59.21	49.27	50.74	56.3	49.62	33.4	31.58	32.62	32.51	33.51	25.15
19/09/2022 2 12:40	12:45	50.27	59.4	49.74	51.63	56.61	49.8	33.79	31.83	32.5	32.54	32.57	24.72
19/09/2022 2 12:45	12:50	50.16	59.39	49.84	51.12	56.17	49.64	34.06	32.49	33.98	33.01	34.04	26.69
19/09/2022 2 12:50	12:55	50.99	59.5	50.14	51.89	56.25	49.91	34.8	33.48	36.29	34.66	37.75	36.61
19/09/2022 2 12:55	13:00	50.42	58.47	49.61	51.2	56.67	50.14	36.17	36.58	38.39	35.65	39.97	40.16
19/09/2022 2 13:00	13:05	51.02	57.89	50.38	51.89	56.7	49.65	34.45	34.63	39.58	37.17	36.88	31.59
19/09/2022 2 13:05	13:10	51.03	58.96	49.86	50.69	56.05	49.48	35.01	32.46	37.51	34.88	37.33	30.55
19/09/2022 2 13:10	13:15	51.23	59.24	49.51	50.92	56.26	49.73	34.97	31.93	35.44	34.06	34.35	27.07
19/09/2022 2 13:15	13:20	51.21	59.01	49.64	51.31	56.3	49.97	36.48	35.79	39.24	35.34	38.57	28.72
19/09/2022 2 13:20	13:25	53.52	60.64	53.07	51.21	57.32	51.01	38.7	36.34	43.7	39.57	45.98	33.03
19/09/2022 2 13:25	13:30	53.64	59.53	51.49	51.01	56.9	50.61	37.68	36.25	41.5	37.65	40.25	29.39
19/09/2022 2 13:30	13:35	51.2	59.12	49.21	50.74	55.6	49.43	34.34	33.4	33.7	32.87	32.99	24.98
19/09/2022 2 13:35	13:40	51.63	59.09	52.05	50.63	55.48	49.27	33.92	33.25	33.36	32.56	33.15	24.55
19/09/2022 2 13:40	13:45	57.08	56.68	50.45	54.48	55.88	49.59	34.73	35.32	37.03	35.81	37.64	30.04
19/09/2022 2 13:45	13:50	52.2	56.56	47.65	49.74	55.76	49.42	34.56	33.59	33.83	32.48	32.68	24.8
19/09/2022 2 13:50	13:55	50.49	59.45	48.84	50.67	55.55	49.02	34.57	33.29	34	33.44	32.93	24.39
19/09/2022 2 13:55	14:00	51.29	59.5	49.41	50.91	55.47	49.19	36.05	33.87	36.76	36.76	38.81	41.89
19/09/2022 2 14:00	14:05	50.41	61	50.17	51.73	55.61	49.07	34.44	33.14	35.92	35.91	34.81	26.34

19/09/2022 2 14:05	14:10	50.23	60.19	49.51	51.36	55.61	49.03	34.27	32.62	35.26	36.86	33.55	24.81
19/09/2022 2 14:10	14:15	52.07	59.79	50.5	51.64	55.51	49.27	35.08	33.41	37.04	35.24	34.3	25.82
19/09/2022 2 14:15	14:20	49.84	60.34	49.85	51.74	55.91	49.34	34.18	33.45	36.24	36.18	38.82	30.58
19/09/2022 2 14:20	14:25	50.09	60.28	49.73	51.35	55.45	48.98	34.56	33.32	35.13	34.35	32.88	24.08
19/09/2022 2 14:25	14:30	51.97	59.69	50.16	51.49	55.59	49.11	33.36	31.84	34.32	34.47	34.26	25.58
19/09/2022 2 14:30	14:35	52.06	58.3	50.32	51.81	55.35	48.72	33.97	33.12	35.12	33.41	36	28.29
19/09/2022 2 14:35	14:40	52.58	57.35	49.79	50.76	55.64	48.97	34.4	33.27	35.11	31.68	32.96	23.35
19/09/2022 2 14:40	14:45	52.18	59.22	49.87	51.11	55.4	49.02	34.19	32.31	34.62	33.08	34.04	24.23
19/09/2022 2 14:45	14:50	53	58.15	49.99	51.37	55.57	49.19	34.04	32.06	35.07	33.94	34.27	25.57
19/09/2022 2 14:50	14:55	52.27	59.37	50.04	50.98	55.24	48.96	33.65	31.87	34.54	32.76	34.71	25.69
19/09/2022 2 14:55	15:00	52.53	59.05	51.05	51.34	55.16	49.17	34.42	32.12	35.14	32.5	35.09	27.18
19/09/2022 2 15:00	15:05	52.56	60.03	50.47	51.21	54.99	48.46	34.23	31.78	35.42	36.07	37.81	26.07
19/09/2022 2 15:05	15:10	52.47	59.59	50.6	51.19	54.9	48.99	35.61	35.6	37.24	34.08	35.66	27.12
19/09/2022 2 15:10	15:15	52.62	59.78	50	50.72	54.51	48.26	33.72	31.88	35.06	33.3	36.74	25.47
19/09/2022 2 15:15	15:20	52.7	59.98	50.26	50.96	54.2	47.91	33.87	32.04	35.93	31.36	32.96	23.93
19/09/2022 2 15:20	15:25	53.01	60.13	50.36	51.16	54.45	48.16	34.69	32	35.69	32.17	35.33	25.74
19/09/2022 2 15:25	15:30	52.62	61.64	51.28	50.91	54.51	48.23	33.72	31.63	33.86	31.62	32.01	23.33
19/09/2022 2 15:30	15:35	52.37	61.47	50.28	50.37	53.92	47.68	33.97	31.02	33.81	30.02	32.4	22.57

19/09/2022 2 15:35	15:40	52.95	60.78	49.99	50.57	53.58	47.31	33.45	31.41	34.17	30.26	31.27	22.44
19/09/2022 2 15:40	15:45	52.83	60.38	50.31	50.61	53.81	47.66	33.59	31.95	33.73	31.35	34.1	25.75
19/09/2022 2 15:45	15:50	53.33	59.51	50.42	50.95	53.97	48.22	35.38	31.85	35.57	31.75	34.98	26
19/09/2022 2 15:50	15:55	52.98	59.71	50.61	51.16	54.65	48.68	38.27	43	50.89	45.64	43.85	36.9
19/09/2022 2 15:55	16:00	52.96	60.03	50.82	50.98	54.28	48.14	34.11	30.86	32.62	30.53	32.28	23.93
19/09/2022 2 16:00	16:05	52.89	60.55	50.94	50.95	54.15	47.79	33.74	32.2	33.48	31.3	33.25	25.85
19/09/2022 2 16:05	16:10	53.1	60.14	51.42	51.3	54.77	48.13	33.74	30.86	31.79	31.25	32.12	24.34
19/09/2022 2 16:10	16:15	52.91	59.97	50.78	51.72	54.66	48.33	34.11	31.29	32.76	31.43	32.95	24.26
19/09/2022 2 16:15	16:20	53.06	59.81	50.57	50.98	54.42	48.12	33.35	30.54	31.6	30.83	32	23.06
19/09/2022 2 16:20	16:25	52.99	60.2	50.88	51.4	54.65	48.09	34.26	31.4	32.82	31.04	32.25	23.65
19/09/2022 2 16:25	16:30	52.41	60.17	50.47	50.48	54.53	48.22	34.34	31.62	32.62	31.38	36.99	26.61
19/09/2022 2 16:30	16:35	53.94	52.07	46.09	47.67	54.01	47.83	32.59	30.59	32.52	28.83	29.78	20.52
19/09/2022 2 16:35	16:40	47.06	50.36	44.07	45.3	53.37	46.99	31.45	28.74	31.37	28.57	32.48	25.21
19/09/2022 2 16:40	16:45	44.31	50.08	43.67	43.88	52.89	46.6	31.08	29.11	32.43	39.95	41.8	29.74
19/09/2022 2 16:45	16:50	44.56	51.64	44.36	44.27	53.39	47.11	31.44	29.6	33.18	30.66	38.65	31.03
19/09/2022 2 16:50	16:55	45.45	53.98	45.24	44.42	54.01	47.76	32.53	29.13	35.94	28.72	31.14	21.73
19/09/2022 2 16:55	17:00	46.84	52.5	46.28	47.41	55.37	48.63	34.51	33.25	38.14	35.46	36.65	33.1
19/09/2022 2 17:00	17:05	62.84	62.8	57.74	54.05	59.65	51.29	43.82	39.41	41.78	38.12	40.51	33.88

19/09/2022 2 17:05	17:10	60.56	60.98	55.57	52.22	59.71	51.45	42.8	41	47.42	41.65	40.77	38.68
19/09/2022 2 17:10	17:15	45.39	52.12	45.71	45.9	55.25	48.83	34.15	34.39	36.65	32.09	34.79	25.35
19/09/2022 2 17:15	17:20	53.54	56.28	48.64	46.6	57.13	49.71	39.31	35.02	42.34	35.72	39.15	34.88
19/09/2022 2 17:20	17:25	45.13	52.06	44.9	44.66	54.37	47.87	31.67	28.55	32.67	28.61	31.74	23.49
19/09/2022 2 17:25	17:30	50.78	52.84	49.21	45.84	55.2	49.29	37.29	33.33	38	32.03	34.79	27.92
19/09/2022 2 17:30	17:35	44.61	50.59	44.15	44.65	54.7	48.01	31.66	28.15	32.04	29.83	33.51	24.32
19/09/2022 2 17:35	17:40	45.14	51.67	45.43	45.44	55.25	48.15	33.18	31.43	35.71	33.59	39.36	36.09
19/09/2022 2 17:40	17:45	59.48	59.77	54.94	50.02	58.79	50.8	42.61	35.7	37.52	34.82	37.08	28.71
19/09/2022 2 17:45	17:50	44.84	53.28	45.38	45.45	54.74	48.29	32.71	29.01	32.53	29.82	33.49	24.09
19/09/2022 2 17:50	17:55	44.51	51.5	44.46	44.68	54.78	48.14	33.34	28.58	31.39	28.53	29.99	20.91
19/09/2022 2 17:55	18:00	44.42	51.94	45.87	45.98	55.51	48.86	33.76	29.14	31.95	29.72	31.48	23.62
19/09/2022 2 18:00	18:05	45.33	52.41	45.38	45.95	55.71	48.88	37.15	35.03	40.06	38.61	41.47	30.42
19/09/2022 2 18:05	18:10	45.04	51.94	44.07	44.99	56.04	49.22	33.03	30.1	37.25	30.05	31.61	27.56
19/09/2022 2 18:10	18:15	44.67	51.6	43.71	44.7	55.64	49.17	35.24	30.16	33.72	30.87	34.01	27.21
19/09/2022 2 18:15	18:20	44.83	51.6	44.38	44.98	55.89	49.41	33.43	29.49	32.38	29.12	31.53	22.74
19/09/2022 2 18:20	18:25	62.71	61.24	56.51	53.26	59.36	52.4	44.59	38.28	41.67	38.83	42.35	40.5
19/09/2022 2 18:25	18:30	44.49	52.45	44.32	44.65	55.61	49.07	32.15	28.81	31.87	28.76	30.46	22.85
19/09/2022 2 18:30	18:35	44.51	53.02	43.85	44.83	55.77	49.29	32.35	30.18	32.28	28.19	30.04	20.46

19/09/2022 2 18:35	18:40	44.17	51.6	43.54	44.5	55.59	49.22	31.94	28.91	31.45	28.45	31.34	22.48
19/09/2022 2 18:40	18:45	44.33	51.54	43.99	44.77	55.8	49.26	32.14	29.01	32.93	28.48	30.81	21.55
19/09/2022 2 18:45	18:50	44.49	51.71	43.89	44.63	56.23	49.59	32.79	28.99	32.11	29.85	32	23.25
19/09/2022 2 18:50	18:55	52.81	54.88	52.46	46.48	56.96	50.63	35.23	34.16	41.08	33.06	36.77	30.37
19/09/2022 2 18:55	19:00	44.08	51.83	44.29	44.83	56.31	49.63	32.87	30.84	36.38	36.87	40.97	28.56
19/09/2022 2 19:00	19:05	45.16	53.28	43.98	44.85	56.33	49.13	31.58	29.79	32.1	30.03	37.73	28.57
19/09/2022 2 19:05	19:10	51.26	53.09	43.54	44.91	56.3	49.26	33.6	29.52	33.4	30.2	34.9	26.02
19/09/2022 2 19:10	19:15	45.22	53.54	44.47	46.1	56.4	49.39	32.5	31.43	35.05	31.81	35.39	26.55
19/09/2022 2 19:15	19:20	44.14	52.81	44.21	45.02	55.98	49.26	32.16	29.99	33.88	30.2	33.45	22.61
19/09/2022 2 19:20	19:25	51.74	54.01	58.85	60.45	57.17	51.76	38.64	37.39	37.44	38.01	45.31	36.01
19/09/2022 2 19:25	19:30	46.44	54.76	44.93	45.07	56.21	49.79	33.53	31.92	36.87	41.74	44.74	33.57
19/09/2022 2 19:30	19:35	54	56.18	50.5	45.89	56.5	50.37	37.94	35.77	41.74	36.52	44.83	34.2
19/09/2022 2 19:35	19:40	47.13	53.52	46.27	45.47	56.22	49.69	32.81	31.49	38.35	36.52	38.2	27.85
19/09/2022 2 19:40	19:45	46.94	53.06	46.18	45.31	56.05	49.38	32.99	30.04	33.18	33.13	34.26	31.08
19/09/2022 2 19:45	19:50	45.85	52.95	44.04	45.41	56.16	49.46	32.02	29.58	32.18	32.53	33.38	25.41
19/09/2022 2 19:50	19:55	45.51	54.17	45.41	46.08	56.32	49.42	32.49	29.18	32.1	32.59	31.46	22.27
19/09/2022 2 19:55	20:00	45.48	53.59	45.85	45.85	56.46	49.7	32.9	29.89	32.58	33.73	30.06	21.19
19/09/2022 2 20:00	20:05	44.76	52.54	44.84	45.96	56.54	49.94	33.39	29.8	32.76	34.1	29.6	21.8

19/09/2022 2 20:05	20:10	44.19	52.73	45.62	45.83	56	49.44	32.29	30.07	32.98	33.88	31.42	22.84
19/09/2022 2 20:10	20:15	44.61	52.63	44.62	45.63	55.98	49.47	31.76	30.13	32.94	33.33	31.96	23.11
19/09/2022 2 20:15	20:20	57.76	56.62	52.62	47.98	57.17	51.27	41.31	40.11	46.99	42.66	43.09	40.74
19/09/2022 2 20:20	20:25	44.22	52.52	44.24	46.93	55.8	49.15	32.31	29.41	32.8	33.05	30.7	22.36
19/09/2022 2 20:25	20:30	43.9	52.38	44.64	46.4	56.07	49.3	32.14	30.03	33.77	34.89	35.31	31.39
19/09/2022 2 20:30	20:35	45.73	54.17	45.74	46.86	56.19	48.96	33.87	30.8	34.21	34.16	32.07	23.51
19/09/2022 2 20:35	20:40	44.55	52.72	44.24	45.07	56.59	49.44	30.9	30.02	32.88	35.09	30.99	22.04
19/09/2022 2 20:40	20:45	45.69	53.42	45.6	45.6	57.26	50.53	32.06	30.29	33.14	35.62	31.49	24.26
19/09/2022 2 20:45	20:50	44.96	53.68	46.02	46.59	57.62	50.5	32.68	31.33	34.31	36.57	32.7	23.01
19/09/2022 2 20:50	20:55	44.95	52.85	45.38	46.79	57.59	50.68	32.57	30.78	33.86	35.65	31.39	22.24
19/09/2022 2 20:55	21:00	44.82	53.56	45.76	46.5	57.51	50.88	32.92	30.88	33	35.33	32.86	24.07
19/09/2022 2 21:00	21:05	48.15	56.33	50.12	52.02	58.12	52.71	47.72	45.54	53.38	46.22	51.93	34.1
19/09/2022 2 21:05	21:10	56.88	60.18	56.1	58.31	58.55	53.9	35.47	38	40.45	37.49	40.21	35.22
19/09/2022 2 21:10	21:15	50	56.68	47.64	48.35	54.16	47.69	33.28	35.16	36.9	39.39	46.03	32
19/09/2022 2 21:15	21:20	52.6	57.15	49.7	52.04	54.32	47.56	32.44	34.2	34.39	36.98	35.46	27.14
19/09/2022 2 21:20	21:25	51.73	55.81	48.71	52.34	54.46	47.91	31.3	33.95	33.52	37.37	34.58	24.73
19/09/2022 2 21:25	21:30	52.07	55.32	47.89	51.49	54.37	47.9	32.87	33.54	33.14	37.06	34.91	25.77
19/09/2022 2 21:30	21:35	52.29	55.38	47.73	52.14	54.29	47.36	30.69	33.7	33.6	36.53	35.66	26.71

19/09/2022 2 21:35	21:40	52.36	55.91	48.6	52.12	54.31	47.43	32.65	34.1	34.41	36.28	36.57	26.68
19/09/2022 2 21:40	21:45	52.4	56.05	49.6	53.85	55.13	49.27	38.03	41.55	38.63	39.31	46.92	31.29
19/09/2022 2 21:45	21:50	52.98	56.47	48.21	52.47	54.21	47.42	31.08	33.94	35.21	36.13	34.01	24.76
19/09/2022 2 21:50	21:55	52.97	57.15	48.68	52.88	54.46	47.99	32.52	34.46	33.78	35.98	34.5	24.96
19/09/2022 2 21:55	22:00	52.71	56.88	48.17	52.43	53.81	47.24	30.47	34.11	33.08	36.44	36.16	26.45
19/09/2022 2 22:00	22:05	53.32	57.33	48.54	52.69	53.43	46.89	31.5	33.6	33.12	37	34.53	24.56
19/09/2022 2 22:05	22:10	52.9	59.55	50.01	51.2	54.07	47.23	31.84	33.92	33.06	37.38	34.2	24.85
19/09/2022 2 22:10	22:15	53.09	60.66	50.32	51.62	53.95	47.32	32.53	34.9	34.46	37.68	35.23	26.75
19/09/2022 2 22:15	22:20	53.03	61.33	51.14	52.28	53.84	47.42	35.03	34.67	34.36	37.66	34.84	25.55
19/09/2022 2 22:20	22:25	53.08	60.63	51.66	52.12	53.14	46.31	31.64	34.28	33.25	36.66	35.03	25.48
19/09/2022 2 22:25	22:30	54.78	60.88	52.42	52.76	53.42	46.75	32.25	34.28	33.57	36.25	35.28	25.93
19/09/2022 2 22:30	22:35	54.24	61.23	52.6	52.27	53.46	46.62	31.9	34.3	33.18	35.92	35.19	25.2
19/09/2022 2 22:35	22:40	55.99	60.78	53.01	52.89	53.4	46.83	31.87	34.2	33.38	36.63	35.22	24.81
19/09/2022 2 22:40	22:45	56.84	60.72	53.43	52.98	53.69	47.23	32.13	34.1	33.89	38.21	35.56	25.74
19/09/2022 2 22:45	22:50	55.93	60.82	52.97	52.85	53.16	46.76	31.93	33.73	33.68	35.88	34.87	25.19
19/09/2022 2 22:50	22:55	57.57	60.65	53.53	52.98	53.43	47.21	32.14	34.12	33.43	35.62	35.36	25.18
19/09/2022 2 22:55	23:00	58.16	61.29	53.77	53.01	53.72	47.46	32.19	33.33	32.74	34.97	35.16	25.31
19/09/2022 2 23:00	23:05	57.7	60.51	53.54	53.15	53.75	47.12	32.38	34.3	34.36	36.87	35.81	26.47

19/09/2022 2 23:05	23:10	57.85	60.67	53.57	53.18	53.55	47.14	32.21	34.41	34.14	36.76	36.15	26.04
19/09/2022 2 23:10	23:15	57.94	61.21	53.57	53.11	53.67	46.8	31.93	34.16	33.42	36.59	35.36	25.46
19/09/2022 2 23:15	23:20	57.58	60.6	53.35	53.15	53.52	47.08	32.32	34.47	34.29	35.94	36.3	29.91
19/09/2022 2 23:20	23:25	57.16	61.33	53.42	52.77	53.43	47.23	33.79	34.74	34.24	36.15	35.61	25.73
19/09/2022 2 23:25	23:30	57.28	61.48	53.52	52.97	53.6	47.47	32.33	34.6	34.18	36.73	35.62	25.66
19/09/2022 2 23:30	23:35	56.94	60.55	52.76	52.62	53.75	47.51	31.87	34.62	33.09	36.43	35.1	24.86
19/09/2022 2 23:35	23:40	55.63	60.87	52.84	52.67	53.31	47.22	32.97	34.97	35.68	37.56	44.89	40.21
19/09/2022 2 23:40	23:45	55.31	61.5	52.57	52.43	52.95	46.82	31.59	34.89	34.94	36.14	35.33	25.52
19/09/2022 2 23:45	23:50	55.56	62.53	53.11	52.88	52.97	47.51	35.62	35.28	34.12	35.27	35.18	26.27
19/09/2022 2 23:50	23:55	56.25	62.69	52.87	52.56	52.75	47.18	32.97	35.25	34.79	36.39	35.89	26.19
19/09/2022 2 23:55	00:00	56.48	62.16	52.93	52.72	53.67	48.01	32.18	35.59	33.58	36.52	35.39	25.61
20/09/2022 2 00:00	00:05	55.87	61.28	52.36	52.62	54.88	49.06	32.61	34.84	32.9	35.92	35.35	25.39
20/09/2022 2 00:05	00:10	56.96	61.78	52.92	52.63	54.45	48.24	32.88	35.15	34.12	36.69	35.76	25.99
20/09/2022 2 00:10	00:15	56.04	61.98	52.93	52.51	53.44	47.37	32.09	33.68	32.99	35.26	34.21	26.23
20/09/2022 2 00:15	00:20	55.85	61.48	52.71	52.2	52.79	46.26	31.47	33.64	32.99	35.38	33.99	24.21
20/09/2022 2 00:20	00:25	55.19	61.48	52.59	52.41	52.9	46.64	31.6	33.22	32.63	35.11	34.35	23.95
20/09/2022 2 00:25	00:30	55.16	61.91	52.77	52.46	53.29	46.58	31.04	32.8	31.81	34.4	33.59	22.99
20/09/2022 2 00:30	00:35	55.48	62.42	54.05	53.4	53.6	46.71	31.56	33.36	32.04	34.21	33.3	22.77

20/09/2022 2 00:35	00:40	54.97	61.52	54.25	53.49	53.53	46.87	31.72	33.77	32.88	35.72	34.9	26.04
20/09/2022 2 00:40	00:45	54.86	61.72	53.35	53.5	54.02	47.46	34.56	35.24	32.12	35.42	34.66	24.77
20/09/2022 2 00:45	00:50	54.15	61.68	52.6	52.12	54.23	47.33	31.51	38.66	33.36	33.88	34.24	24.31
20/09/2022 2 00:50	00:55	54.36	61.89	52.7	52.61	53.97	47.33	31.06	33.73	32.01	34.63	33.7	23.65
20/09/2022 2 00:55	01:00	53.84	61.65	53	52.16	53.43	47.47	31.85	33.87	32.69	35.27	34.42	23.75
20/09/2022 2 01:00	01:05	53.59	61.77	52.75	52.12	53.77	47.38	31.45	34.21	33.23	35.83	35.17	24.75
20/09/2022 2 01:05	01:10	53.74	62.59	53	52.31	53.2	46.7	31.98	35.41	33.65	35.8	35.96	26.88
20/09/2022 2 01:10	01:15	53.53	62.78	52.3	51.79	52.44	45.92	30.33	33.73	33.36	35.34	34.6	24.79
20/09/2022 2 01:15	01:20	53.7	63.08	52.53	52.41	53.22	46.94	31.34	34.37	33.2	36.28	34.92	24.97
20/09/2022 2 01:20	01:25	53.9	62.69	52.73	52.33	53.36	47.22	32.02	35.08	33.57	35.79	35.24	25.5
20/09/2022 2 01:25	01:30	53.93	62.96	53.37	52.73	53.39	47.21	32.08	35.58	34.25	36.34	35.87	26.2
20/09/2022 2 01:30	01:35	53.93	62.39	52.83	52.49	52.76	46.24	31.11	33.88	33.04	35.55	34.76	25.19
20/09/2022 2 01:35	01:40	53.53	61.68	51.57	51.94	52.48	45.83	30.8	33.19	32.44	35.1	34.26	24.93
20/09/2022 2 01:40	01:45	53.75	62.24	51.68	52.08	52.51	45.93	30.64	33.5	32.84	34.95	34.36	24.83
20/09/2022 2 01:45	01:50	53.29	62.68	52.09	51.95	52.67	46.24	30.52	33.41	32.75	35.34	34.49	24.15
20/09/2022 2 01:50	01:55	54.17	62.35	52.17	52	53.16	46.97	30.72	33.29	32.44	35.83	34.52	24.14
20/09/2022 2 01:55	02:00	53.86	62.22	52.04	51.74	52.29	46.18	31.16	34.5	35.31	35.13	35.89	25.79
20/09/2022 2 02:00	02:05	53.77	62.14	51.82	51.97	52.69	46.26	31.04	33.82	32.91	35.3	34.93	25.05

20/09/2022 2 02:05	02:10	53.81	62.5	52.07	51.66	52.9	46.23	30.57	33.12	32.31	35.34	34.65	24.14
20/09/2022 2 02:10	02:15	53.59	62.36	51.85	51.53	52.88	46.46	30.67	33.04	30.87	34.44	33.52	23.51
20/09/2022 2 02:15	02:20	53.89	62.23	51.95	51.89	53.29	47.07	31.57	33.49	31.44	34.32	34.01	23.53
20/09/2022 2 02:20	02:25	54.58	62.45	53.89	53.6	53.29	47.18	32.26	35.49	37.22	35.98	40.91	35.81
20/09/2022 2 02:25	02:30	54.89	62.17	53.54	53.61	53.33	47.15	31.42	33.77	31.44	33.83	33.77	23.29
20/09/2022 2 02:30	02:35	54.55	62.29	52.49	52.46	52.83	46.53	31.3	33.23	31.39	33.89	33.45	23.35
20/09/2022 2 02:35	02:40	54.89	62.2	52.99	52.37	53.57	46.91	31.3	33.23	31.97	34.06	33.44	23.7
20/09/2022 2 02:40	02:45	54.59	62.49	52.45	52.58	53.85	47.42	31.92	35.59	33.38	34.76	34.01	24.14
20/09/2022 2 02:45	02:50	54.19	62.09	52.25	52.95	53.13	47.07	32.67	35.78	32.37	34.17	33.82	23.91
20/09/2022 2 02:50	02:55	54.37	62.35	52.78	53.12	52.89	47.13	32.19	34.24	32	33.96	33.89	23.47
20/09/2022 2 02:55	03:00	54.49	62.15	53.11	53.08	53.19	47.12	31.63	34.09	31.71	34.3	33.81	23.65
20/09/2022 2 03:00	03:05	54.44	61.82	52.03	52.14	52.93	46.78	31.51	33.47	31.61	34.28	36.77	23.96
20/09/2022 2 03:05	03:10	54.43	62.32	52.08	51.92	53.35	46.93	30.61	32.56	30.87	33.83	33.56	23.29
20/09/2022 2 03:10	03:15	54.58	62.02	52.2	52.07	53.33	47.15	30.76	32.82	31.08	34.32	33.45	23.05
20/09/2022 2 03:15	03:20	53.88	61.97	51.64	51.67	52.97	46.96	30.57	32.9	31.12	34.51	33.42	22.98
20/09/2022 2 03:20	03:25	54.35	61.89	51.68	51.53	52.89	46.94	30.63	33.16	31.33	34.01	33.74	23.2
20/09/2022 2 03:25	03:30	54.63	61.94	52.48	52.5	53.63	47.45	31.92	34.43	32.5	35.13	34.44	23.56
20/09/2022 2 03:30	03:35	54.68	62.02	52.35	52.2	53.6	47.42	31.86	34.2	31.98	35.02	34.31	24.34

20/09/2022 2 03:35	03:40	54.7	62.37	52.6	51.99	53.58	47.27	31.55	34.81	32.45	36.18	35.1	25.25
20/09/2022 2 03:40	03:45	54.31	62.13	53.4	53.26	53.82	47.41	32.52	35.19	32.31	35.69	34.75	24.96
20/09/2022 2 03:45	03:50	54.25	62.26	52.5	52.32	53.83	47.37	33.58	34.14	32.75	34.96	34.57	25.19
20/09/2022 2 03:50	03:55	54.1	62.02	51.79	51.72	53.74	47.29	31.63	35.02	34.07	34.87	34.15	24.4
20/09/2022 2 03:55	04:00	54.51	61.79	52.15	52.25	53.58	47.27	32.26	34.22	32.72	34.91	34.34	24.99
20/09/2022 2 04:00	04:05	53.46	61.95	51.54	51.69	53.68	47.39	32.79	34.45	33.11	34.56	34.39	25.92
20/09/2022 2 04:05	04:10	52.4	62.04	51.42	51.82	53.66	47.42	31.79	33.95	31.74	34.35	34.09	24.22
20/09/2022 2 04:10	04:15	53.75	62.36	52.09	52.88	54.85	49.05	39.49	42.37	41.89	37.13	38.22	27.57
20/09/2022 2 04:15	04:20	54.15	62.57	51.62	51.82	53.96	47.74	32.21	34.01	33.41	36.09	35.04	24.32
20/09/2022 2 04:20	04:25	55.27	63.16	52.35	51.98	53.15	47.29	32.78	34.76	33.38	36.19	35.14	25.08
20/09/2022 2 04:25	04:30	55.51	63.19	53.15	51.98	53.27	47.38	32.68	34.1	32.64	35.7	35.31	25.1
20/09/2022 2 04:30	04:35	55.3	62.82	52.26	51.41	52.88	46.82	33.19	34.81	34.29	36.35	36.61	29.93
20/09/2022 2 04:35	04:40	54.21	63.11	52.57	51.03	52.92	46.84	32.22	34.15	32.83	35.19	34.81	24.06
20/09/2022 2 04:40	04:45	52.71	62.02	53.87	53.25	53.43	47.04	33.75	34.18	32.95	34.45	35.21	23.96
20/09/2022 2 04:45	04:50	53.14	61.03	51.19	52.01	52.8	46.53	32.37	32.47	31.62	33.99	34.52	24.07
20/09/2022 2 04:50	04:55	55.76	58.51	49.08	54.62	53.06	46.93	32.34	32.56	32.15	33.83	35.09	24.33
20/09/2022 2 04:55	05:00	56.69	57.37	49.27	53.83	53.63	47.78	34.82	34.81	34.46	34.82	38.67	25.94
20/09/2022 2 05:00	05:05	56.09	56.66	48.87	53.09	54.06	47.47	30.25	32.51	31.15	33.79	34.65	24.76

20/09/2022 2 05:05	05:10	50.15	55.37	48.09	48.93	53.56	47.2	32.51	40.04	42.32	34.13	34.87	27.2
20/09/2022 2 05:10	05:15	53.33	57.1	49.92	49.97	53.65	47.95	35.96	36.72	38.8	34.89	35.41	26.76
20/09/2022 2 05:15	05:20	53.3	56.64	50.88	51.33	53.88	47.73	33.88	34.87	34.55	35.22	35.58	27.43
20/09/2022 2 05:20	05:25	53.03	58.11	50.21	51.51	54.3	47.87	34.95	34.71	34.87	34.87	35.54	26.97
20/09/2022 2 05:25	05:30	54.32	57.26	50.44	51.7	53.98	47.79	34.5	34.81	34.81	34.68	35.43	26.21
20/09/2022 2 05:30	05:35	54.51	57.69	50.81	50.9	53.91	47.45	35.26	35.35	37.67	34.97	35.85	30.76
20/09/2022 2 05:35	05:40	52.99	57.29	51.78	52.13	53.96	47.88	35.43	35.41	36.74	35.55	35.89	27.55
20/09/2022 2 05:40	05:45	49.48	55.11	48.36	49.24	53.79	47.38	33.85	36.25	41.27	34.53	36.03	28.46
20/09/2022 2 05:45	05:50	50.52	55.55	48.82	48.35	53.67	47.32	35.32	34.71	34.39	33.88	34.24	25.5
20/09/2022 2 05:50	05:55	50.33	55.36	48.76	48.32	53.97	47.52	34.44	35.72	36.58	34.6	35.27	27.06
20/09/2022 2 05:55	06:00	49.79	55.74	47.92	48.62	54.11	47.52	34.24	34.2	34.08	34.03	34.19	24.87
20/09/2022 2 06:00	06:05	49.51	55.7	48.26	48.7	53.9	47.44	34.65	33.41	34.93	34.39	33.56	24.82
20/09/2022 2 06:05	06:10	49.78	55.07	47.76	48.72	53.36	47.34	34.8	36.09	35.3	34.06	34.47	25.66
20/09/2022 2 06:10	06:15	50.17	54.61	47.96	48.22	52.83	47.12	34.85	35.13	39.47	32.72	33.52	24.61
20/09/2022 2 06:15	06:20	49.75	54.71	47.71	48.24	53.04	47.31	37.2	34.67	35.32	34.25	34.93	26.26
20/09/2022 2 06:20	06:25	50.02	55.99	48.54	48.26	53.4	47.49	36.86	34.35	34.77	34.23	34.42	26
20/09/2022 2 06:25	06:30	49.98	55.83	48.85	49.17	52.48	46.76	34.93	34.56	34.1	32.99	34.78	25.52
20/09/2022 2 06:30	06:35	49.28	54.69	47.88	48.82	53.08	47.33	37.05	34.69	34.97	34.15	36.47	28.32

20/09/2022 2 06:35	06:40	51.17	56.79	48.94	49.33	53.21	47.57	37.92	35.24	36.96	33.28	35.98	27.13
20/09/2022 2 06:40	06:45	50.34	55.44	48.5	48.48	52.6	47.25	38.52	39.34	39.72	34.36	37.8	33.63
20/09/2022 2 06:45	06:50	50.62	56.28	49.08	49.16	53.05	47.26	36.03	36.62	36.46	33.73	37.83	34.89
20/09/2022 2 06:50	06:55	49.96	54.51	48.85	49.36	56.06	49.67	37.19	37.92	37.66	34.98	38.43	33.27
20/09/2022 2 06:55	07:00	50.35	54.62	49.15	49.17	56.33	49.51	36.11	38.18	36.68	33.14	37.58	32.54
20/09/2022 2 07:00	07:05	51.55	55.08	50.87	49.85	56.49	50.07	36.49	40.12	38.17	33.21	39.03	31.6
20/09/2022 2 07:05	07:10	50.88	55.57	49.92	50.03	56.43	49.67	37.81	40.72	42.24	38.9	42.08	36.6
20/09/2022 2 07:10	07:15	50.41	55.96	50.43	49.97	56.1	49.82	38.51	38.64	37.7	32.56	35.29	27.54
20/09/2022 2 07:15	07:20	50.71	54.92	49.22	50.56	55.95	49.77	39.61	38.54	38.72	34.59	38.17	30.84
20/09/2022 2 07:20	07:25	51.87	55.53	50.8	52.21	56.73	50.45	44.7	37.87	39.53	40.11	54.73	35.86
20/09/2022 2 07:25	07:30	52.98	56.76	55.12	59.39	60.84	57.46	52.87	47.89	53.97	49.1	58.53	39.01
20/09/2022 2 07:30	07:35	52.42	56.39	51.18	53.4	56.18	49.73	39.73	35.14	38.3	34.46	38.52	40.4
20/09/2022 2 07:35	07:40	51.26	55.49	49.13	53.14	56.42	49.58	40.45	36.52	38.29	35.18	38.28	30.67
20/09/2022 2 07:40	07:45	50.74	54.37	48.65	50.26	56.19	49.51	38.27	38.03	38.18	34.62	36.77	28.78
20/09/2022 2 07:45	07:50	50.01	55.01	48.88	52.58	56.05	49.59	40.05	37.85	40	33.82	40.84	32.44
20/09/2022 2 07:50	07:55	53.08	58.25	52.03	52.88	55.37	49.07	39.86	38.32	40.28	35.31	38.92	30.22
20/09/2022 2 07:55	08:00	50.77	55.21	48.67	52.29	55.33	48.97	37.93	37.14	38.27	32.66	37.22	29.01
20/09/2022 2 08:00	08:05	50.17	55.04	49.77	52.52	55.76	49.57	39.45	38.01	42.8	36.69	41.01	34.86

20/09/2022 2 08:05	08:10	50.43	53.69	49.01	52.28	55.49	49.26	38.91	37.1	39.49	33.34	40.47	31.91
20/09/2022 2 08:10	08:15	50.33	54.15	49.48	53.66	57.22	49.8	38.11	36.39	39.53	33.39	38.65	32.03
20/09/2022 2 08:15	08:20	49.07	53.78	49.01	53.24	57.8	50.15	39.51	35.63	39.01	33.06	37.22	28.32
20/09/2022 2 08:20	08:25	51.33	55.7	50.87	53.25	57.61	50.1	39.43	37.79	39.31	34.43	38.47	30.25
20/09/2022 2 08:25	08:30	50.13	54.5	49.38	52.62	56.46	49.73	40.14	37.98	40.71	33.84	36.77	28.23
20/09/2022 2 08:30	08:35	50.75	55.04	48.96	52.26	56.23	49.75	41.24	37.08	38.75	34.59	37.32	29.95
20/09/2022 2 08:35	08:40	50.25	54.79	49.68	52.41	56.54	49.88	37.92	36.37	38.8	34.67	38.21	29.86
20/09/2022 2 08:40	08:45	49.8	53.8	49.32	52.5	56.47	49.75	39.03	38.28	42.2	37.38	43.66	43.73
20/09/2022 2 08:45	08:50	49.25	54	49.64	52.61	55.96	49.33	39.67	41.12	47.16	46.27	49.98	42.53
20/09/2022 2 08:50	08:55	48.37	53.67	49.47	52.27	55.47	49.16	39.47	37.06	39.4	34.91	38.02	30.51
20/09/2022 2 08:55	09:00	48.63	54.21	49.47	52.37	55.17	49.3	38.25	37.83	38.78	33.81	37.14	27.61
20/09/2022 2 09:00	09:05	47.98	52.44	47.54	50.24	55.09	48.71	36.12	34.25	37.33	32.46	36.21	28.99
20/09/2022 2 09:05	09:10	50.22	52.18	48.47	48.78	54.26	48.37	39.46	38.4	42.38	35.96	44.71	36.34
20/09/2022 2 09:10	09:15	50.85	53.39	49.11	48.03	53.76	47.95	37.73	36.05	41.05	33	36.54	29.26
20/09/2022 2 09:15	09:20	52.57	57.4	48.33	47.32	53.06	47.15	35.6	32.51	36.83	32.23	34.85	27.98
20/09/2022 2 09:20	09:25	51.86	55.03	48.49	48.09	53.43	47.26	37.38	36.09	38.82	33.06	36.71	29.51
20/09/2022 2 09:25	09:30	51.31	51.75	47.9	47.84	53.77	47.38	36.67	34.13	37.11	32.06	34.84	28.47
20/09/2022 2 09:30	09:35	51.04	51.4	48.49	47.96	53.9	47.64	36.34	32.88	36.38	30.04	34.38	25.77

20/09/2022 2 09:35	09:40	51.89	55.18	49.74	48.61	54.4	48.21	37.57	35.61	40.13	40.43	45.92	35.86
20/09/2022 2 09:40	09:45	51.81	54.47	48.81	47.74	54.13	48.17	37.49	32.63	36.52	29.7	32.71	23.51
20/09/2022 2 09:45	09:50	50.76	53.12	49.01	49.57	58.05	51.55	42.31	39.38	45.74	37.81	38	28.28
20/09/2022 2 09:50	09:55	61.61	63.6	57.97	55.63	60.29	51.18	44.66	41.29	43.6	40.18	44.39	37.08
20/09/2022 2 09:55	10:00	56.79	59.23	55.35	51.1	58.8	49.79	43.24	37.66	44.16	36.79	39.18	34.24
20/09/2022 2 10:00	10:05	50	51.85	47.34	47.71	53.15	47.44	35.41	32.42	35.39	30.42	36.54	28.14
20/09/2022 2 10:05	10:10	49.25	52.69	47.04	47.22	52.8	47.09	35.83	31.55	35.11	29.59	33.33	26.75
20/09/2022 2 10:10	10:15	49.16	55.2	51.08	48.86	52.54	47.16	36.91	35.55	41.76	31.76	42.75	34.91
20/09/2022 2 10:15	10:20	50.11	53.86	54.5	53.74	53.49	50.42	39.58	45.12	47.85	32.42	36.22	28.71
20/09/2022 2 10:20	10:25	50.08	52.79	50.82	51.14	54.81	48.22	40.41	34.9	43.25	34.46	37.17	32.31
20/09/2022 2 10:25	10:30	59.77	61.56	56.44	60.29	62.07	53.21	44.49	41.9	47.18	37.95	42.11	40.84
20/09/2022 2 10:30	10:35	49.83	53.17	54.91	51.26	53.21	47.03	38.3	34.81	38.17	31.82	37.73	35.74
20/09/2022 2 10:35	10:40	50.6	52.06	50.73	49.07	53.52	47.5	37.61	32.97	36.03	36.97	39.9	27.4
20/09/2022 2 10:40	10:45	51.28	54.97	51.85	49.47	53.64	47.77	37.69	38.26	42.75	36.1	41.97	35.18
20/09/2022 2 10:45	10:50	51.95	55.69	52.29	51.19	54.98	48.41	38.07	36.71	42.25	37.26	42.16	32.47
20/09/2022 2 10:50	10:55	52.9	54.03	51.33	51.08	55.55	48.64	41.23	38.96	44.5	37.71	43.84	34.57
20/09/2022 2 10:55	11:00	50.91	53.07	51.93	51.76	53.85	48.22	39.23	38.11	46.89	50.33	56.62	38.3
20/09/2022 2 11:00	11:05	51.28	53.91	49.44	50.08	54.19	47.25	38.23	34.7	38.41	30.35	35.43	31.94

20/09/2022 2 11:05	11:10	63.65	67.91	59.29	60.41	58.03	52.62	41.45	41.37	43.2	38.5	47.12	43.86
20/09/2022 2 11:10	11:15	52.87	56.4	54.46	53.99	52.2	49.15	39.65	35.29	38.97	34.56	42.24	33.22
20/09/2022 2 11:15	11:20	50.7	53.65	51.66	52.65	52.92	48.62	38.73	37.07	37.91	31.48	36.26	27.73
20/09/2022 2 11:20	11:25	50.42	54.5	54.83	55.26	57.18	52.79	43.49	43.93	46.06	36.41	37.64	30.02
20/09/2022 2 11:25	11:30	54.57	54.62	56.35	51.78	56.47	51.73	42.37	42.27	49.06	37.48	37.55	32.14
20/09/2022 2 11:30	11:35	52.22	55.4	49.57	48.37	50.04	46.1	37.66	36.81	38.48	40.11	44.49	35.18
20/09/2022 2 11:35	11:40	51.73	56.49	50.12	48.37	50.5	45.96	36.93	35.85	37.14	30.37	38.86	32.6
20/09/2022 2 11:40	11:45	51.95	53.18	49.96	50.4	50.62	46.36	39.26	33.92	37.02	31.95	40.66	33.24
20/09/2022 2 11:45	11:50	51.79	53.98	49.46	53.98	51.82	46.8	37.71	34.95	38.89	29.98	36.89	30.53
20/09/2022 2 11:50	11:55	51.15	52.54	48.94	48.27	50.25	46.34	37.72	38.05	37.86	30.78	36.69	35.04
20/09/2022 2 11:55	12:00	54.14	58.39	55.41	54.25	52.66	47.32	36.97	35.95	37.47	30.91	38.42	35.85
20/09/2022 2 12:00	12:05	65.56	67.08	61.27	58.19	64.72	53.4	47.83	42	43.64	39.03	44.94	40.71
20/09/2022 2 12:05	12:10	53.07	56.54	51.59	50.16	54.74	49.36	38.29	37.3	42.64	33.93	40.25	32.62
20/09/2022 2 12:10	12:15	51.81	59	53.97	53.2	54.75	48.37	37.56	38.1	41.18	33.03	38.63	34.85
20/09/2022 2 12:15	12:20	54.36	55.97	54.08	53.46	54.53	49.68	39.21	38.85	39.63	32.19	35.71	29.81
20/09/2022 2 12:20	12:25	52.52	54.89	51.79	51.58	56.23	50.02	39.53	40.75	42.13	38.4	42.9	36.18
20/09/2022 2 12:25	12:30	66.27	66.63	61.69	61.16	59.6	54	43.68	43.1	47.14	40.82	46.63	41.18
20/09/2022 2 12:30	12:35	50.58	56.04	51.28	49.54	52.89	47.66	38.95	42.3	40.74	30.75	36.35	27.03

20/09/2022 2 12:35	12:40	50.16	54.37	50.78	52.87	54.44	47.86	39.71	34.74	36.29	28.97	34.38	24.91
20/09/2022 2 12:40	12:45	51.7	55.04	51.86	52.12	52.88	47.7	38.59	36.84	39.62	33.44	40.55	33.4
20/09/2022 2 12:45	12:50	53.54	55.14	51.5	51.94	51.72	46.95	38.75	35.41	40.74	31.7	37.47	31.24
20/09/2022 2 12:50	12:55	51.88	56.46	50.96	49.42	51.8	46.66	36.93	34.54	37.73	30.53	34.5	27.49
20/09/2022 2 12:55	13:00	51.62	56.24	51.32	51.8	53.25	46.9	38.72	34.47	37.71	31.13	35.45	30.02
20/09/2022 2 13:00	13:05	51.99	55.26	51.33	50.01	51.43	46.3	37.95	36.51	39.68	31.79	37.07	31.7
20/09/2022 2 13:05	13:10	52.95	55.63	51.5	51.29	52.55	47.14	38.23	34.54	38.56	30.33	35.71	27.93
20/09/2022 2 13:10	13:15	61.8	65.13	57.96	55.95	54.56	50.15	41.52	41.05	43.22	39.54	49.53	40.86
20/09/2022 2 13:15	13:20	51.57	57.67	51.33	49.63	51.03	46.01	37.31	34.34	37.41	29.13	33.56	25.51
20/09/2022 2 13:20	13:25	51.63	55.38	51.31	50.25	51.65	46.92	37.32	34.18	37.28	39.61	45.18	29.92
20/09/2022 2 13:25	13:30	52.02	55.7	51.58	51.04	52.05	46.75	37.54	35.06	38.65	30.16	32.54	24.71
20/09/2022 2 13:30	13:35	52.63	55.25	51.63	50.74	51.86	47.02	38.72	35.19	38.36	30.19	33.04	25.14
20/09/2022 2 13:35	13:40	51.13	57.76	51.86	50.59	51.24	47.01	41.87	36.67	38.65	32.29	39.41	33.82
20/09/2022 2 13:40	13:45	52.81	57.69	52.64	50.18	50.64	46.26	38.78	36.03	37.67	32.62	37.31	31.82
20/09/2022 2 13:45	13:50	52.39	54.96	50.78	49.76	51.5	46.72	39.79	36.03	37.56	31.07	36.54	30.38
20/09/2022 2 13:50	13:55	50.42	54.85	51.18	49.19	51.39	46.6	36.9	35.45	37.76	31.24	33.03	24.55
20/09/2022 2 13:55	14:00	51.77	56.42	51.71	49.63	51.78	46.92	36.78	34.09	37.09	30.33	34.16	25.01
20/09/2022 2 14:00	14:05	56.76	61.55	52.05	50.32	52.21	47.98	38.49	35.9	38.88	29.2	31.84	24.35

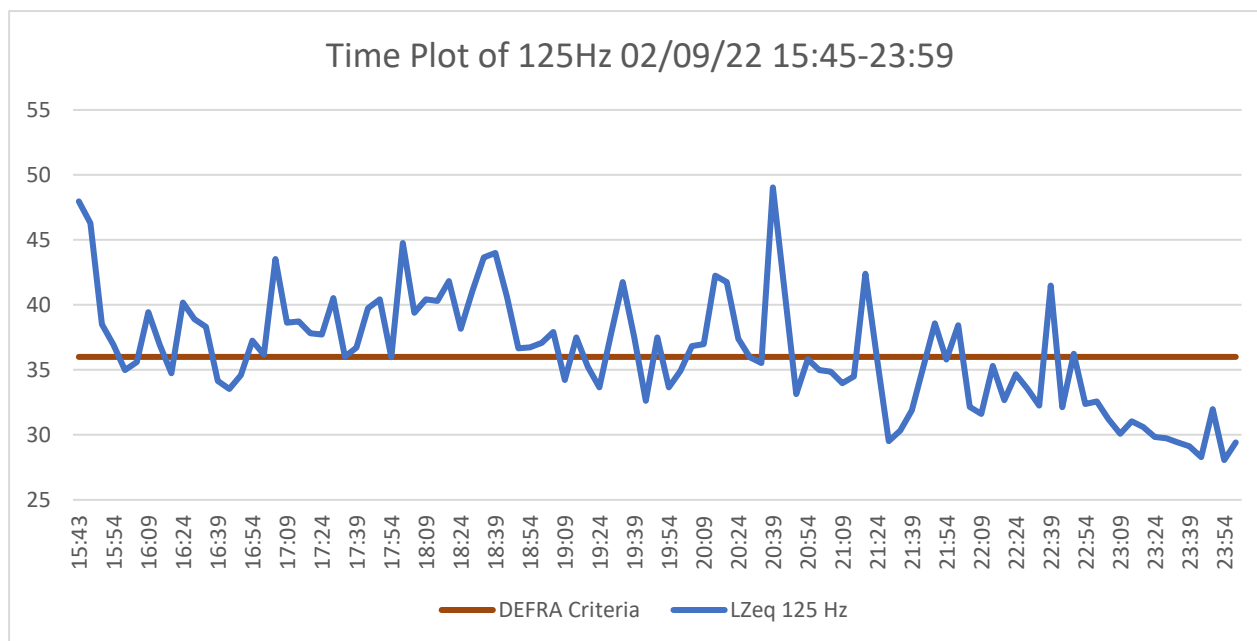
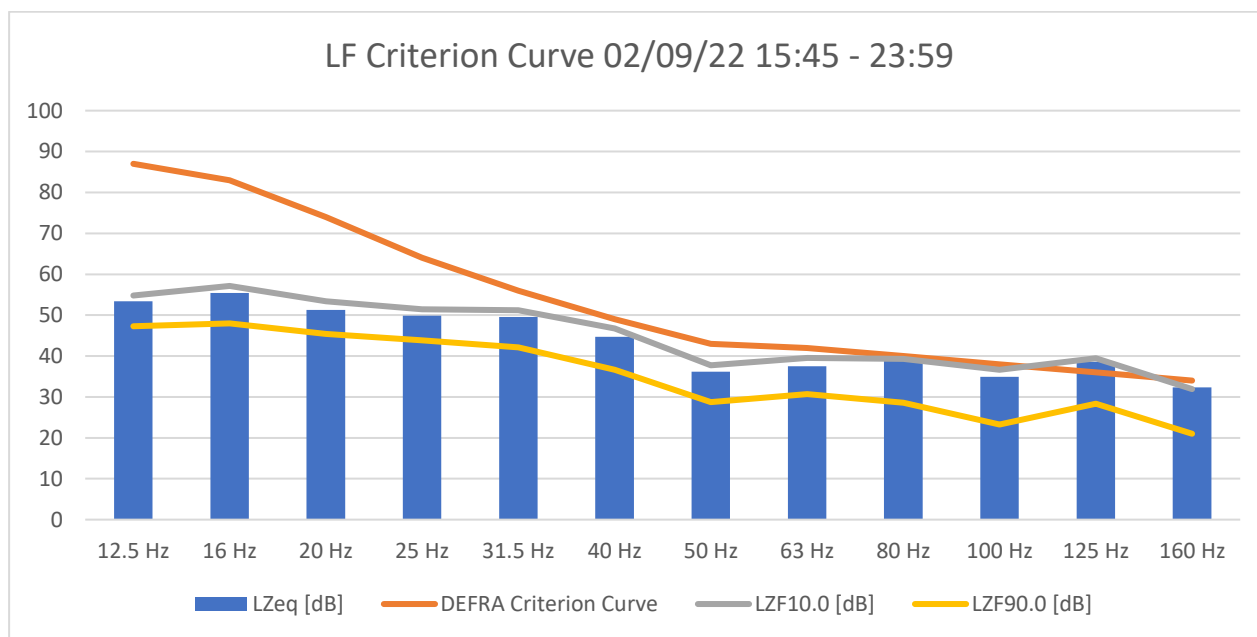
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20/09/2022 2 14:10	14:15	51.58	55.41	51.29	50.73	51.7	47.85	38.57	34.35	36.34	29.37	32.06	24.12
20/09/2022 2 14:15	14:20	53.52	58.75	53.16	51.93	51.53	47.45	39.57	37.67	39.81	35.6	38.66	30.65
20/09/2022 2 14:20	14:25	52.18	58.89	52.05	50.64	51.04	46.62	38.4	33.93	36.05	28.07	31.05	22.39
20/09/2022 2 14:25	14:30	51.89	57.43	51.39	49.94	51.45	46.66	38.18	34.79	37.54	30.14	34.53	25.78
20/09/2022 2 14:30	14:35	53.52	56.89	52.88	52.19	52.51	48.59	38.5	36.61	39.06	32.92	36.64	30.23
20/09/2022 2 14:35	14:40	51.52	55.03	51.12	50.22	51.44	50.61	37.8	34.16	36.32	32.6	36.37	31.32
20/09/2022 2 14:40	14:45	53.68	55.85	51.37	50.67	52.39	49.67	38.31	34.37	37.11	30.69	33.96	28.5
20/09/2022 2 14:45	14:50	53.16	58.06	52.86	53.11	52.12	48.07	41.45	35.71	38.59	31.03	34.63	31.02
20/09/2022 2 14:50	14:55	53.24	57.54	52.2	52.35	52.12	47.36	38.06	35.21	37.35	30.91	33.94	27.35
20/09/2022 2 14:55	15:00	53.57	55.89	52	51.08	52.15	47.98	38.96	38.57	37.15	34.01	35.07	24.86
20/09/2022 2 15:00	15:05	53.12	55.66	51.6	51.39	52.29	47.93	37.35	35.58	36.67	37.5	51.64	35.73
20/09/2022 2 15:05	15:10	53.64	56.6	53.41	55.93	53.45	48.99	39.5	37.13	38.61	38.77	41.56	30.83
20/09/2022 2 15:10	15:15	52.71	56.54	52.95	52.53	52.62	48.38	38.55	38.11	39.23	33.93	35.73	29.02
20/09/2022 2 15:15	15:20	53.56	58.95	54.37	54.2	53.06	48.6	40.93	37.59	39.84	33.14	36.65	29.65
20/09/2022 2 15:20	15:25	53.33	56.96	53.56	54.46	52.31	47.27	39.01	36.09	37.3	31.35	33.3	27.02
20/09/2022 2 15:25	15:30	53.1	56.4	53.23	52.31	51.81	48.08	39.34	36.49	38.26	32.99	34.6	26.64
20/09/2022 2 15:30	15:35	54	57.64	53.47	52.02	51.96	48.31	39.68	37.27	40.38	32.44	34.26	26.58

20/09/2022 2 15:35	15:40	53.86	57.05	53.36	52.77	52.49	48.53	38.21	36.58	38.41	34.53	40.16	34.23
20/09/2022 2 15:40	15:45	54.01	56.47	54.48	53.6	52.98	48.96	39.3	38.3	43.5	34.19	35.19	26.68
20/09/2022 2 15:45	15:50	54.91	59.52	54.97	54.26	57.58	52.2	43.21	40.37	47.53	38.66	38.4	29.02
20/09/2022 2 15:50	15:55	54.68	56.99	55.58	54.01	56.37	50.66	42.06	37.33	44.94	37.17	34.69	24.06
20/09/2022 2 15:55	16:00	53.8	57.32	55.26	52.77	53.24	48.95	40.42	38.31	43.85	35.45	36.24	27.81
20/09/2022 2 16:00	16:05	54.18	56.62	55.28	53.01	52.47	48.17	39.39	37.39	42.83	33.1	33.03	24.2
20/09/2022 2 16:05	16:10	53.84	56.59	55.4	52.82	51.96	48.16	40.13	36.84	42.58	33.15	33.76	24.52
20/09/2022 2 16:10	16:15	54.76	58.16	56.81	57.82	56.32	53.66	46.74	45.58	51.2	46.33	47.15	30.68
20/09/2022 2 16:15	16:20	54.89	57	53.93	52.8	51.65	47.75	39.21	36.56	38.24	37.39	38.63	24.89
20/09/2022 2 16:20	16:25	55.21	58.14	54.34	52.51	52.06	47.95	39.24	36.36	38.19	32.66	34.58	23.87
20/09/2022 2 16:25	16:30	58.13	61.71	54.24	53.09	52.6	48.53	39.29	36.53	36.67	33.94	37.07	28.73
20/09/2022 2 16:30	16:35	54.74	55.8	53.64	53.15	52.81	48.87	39.46	36.38	37.14	33.66	35.01	22.92
20/09/2022 2 16:35	16:40	54.41	56.49	53.49	52.7	52.78	48.9	40.19	37.03	37.79	33.76	34.09	21.99
20/09/2022 2 16:40	16:45	56.59	59.15	57.51	59.31	55.94	51.24	41.41	38.2	41.84	39.6	43.98	37.14
20/09/2022 2 16:45	16:50	59.68	62.56	57.07	55.2	56.06	51	41.4	37.68	41.6	37.48	44.53	40.15
20/09/2022 2 16:50	16:51	54.79	56.56	55.19	54.81	55.55	51.95	43.76	42.24	44.49	43.01	46.33	42.82
Criterion		87	83	74	64	56	49	43	42	40	38	36	34
Number Exceeded		0	0	0	1	229	792	45	504	506	784	1181	237
Max Exceeded		-20.73	-	-9.48	0.1	8.72	9.43	9.87	12.29	18.37	18.87	28.29	25.31

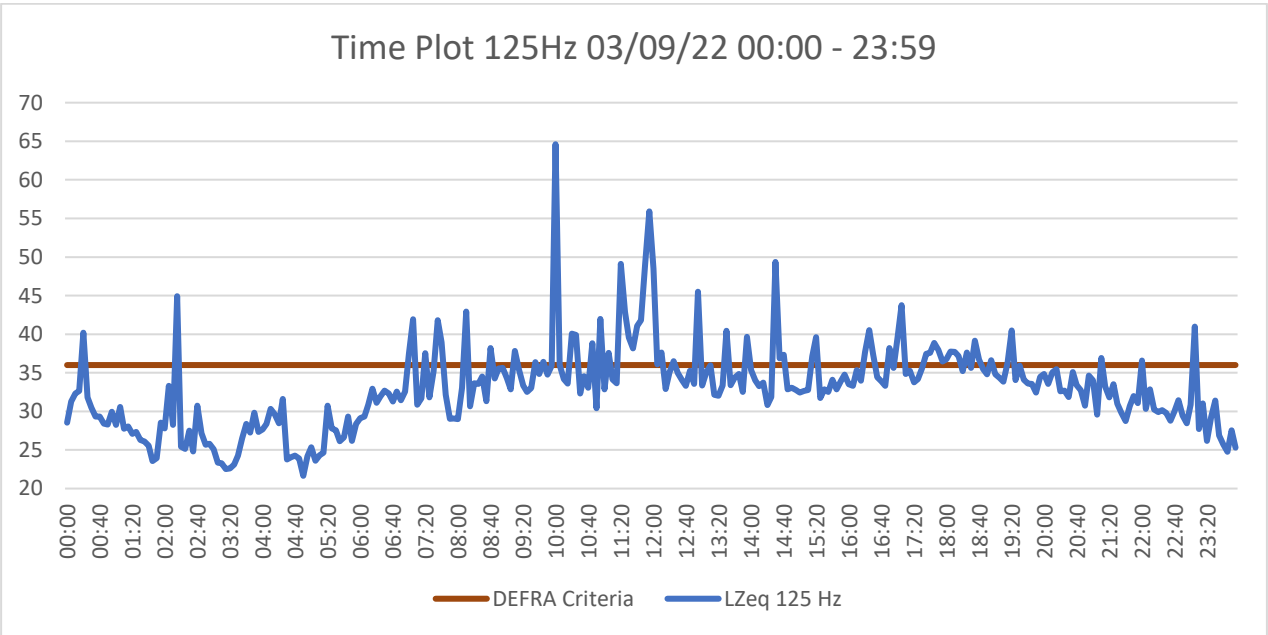
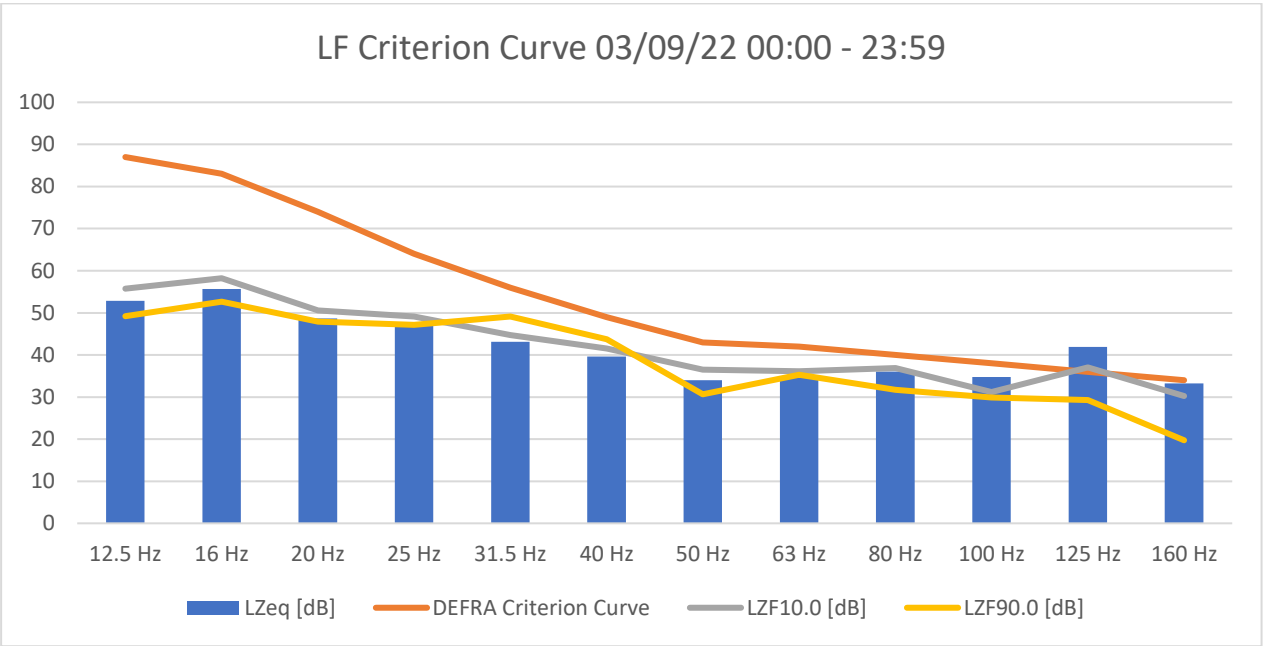
Lzeq	54.90	59.96	54.18	54.21	54.62	49.21	37.71	40.77	39.09	38.13	39.65	30.60
Average												
Difference	32.10	23.04	19.82	9.79	1.38	-0.21	5.29	1.23	0.91	-0.13	-3.65	3.40

6. Appendix 6:- LF Criterion Curves and Time Plots for Sound Level Meter Deployments 02/09/22 to 07/09/22 and 09/09/22 to 15/09/22

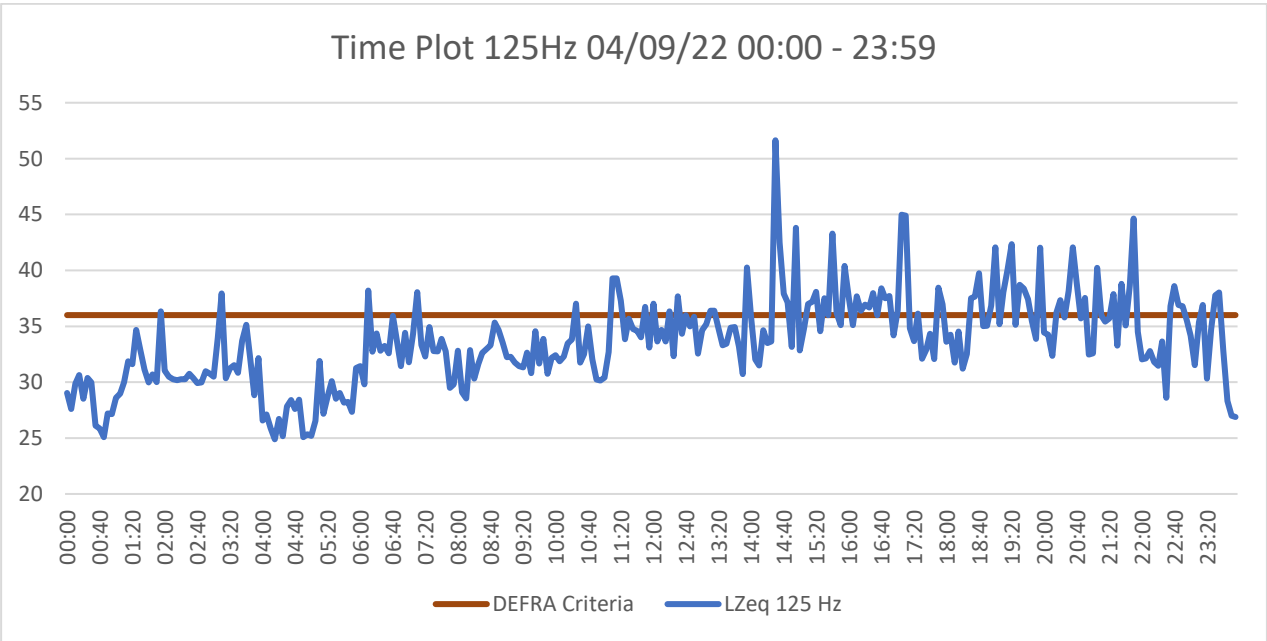
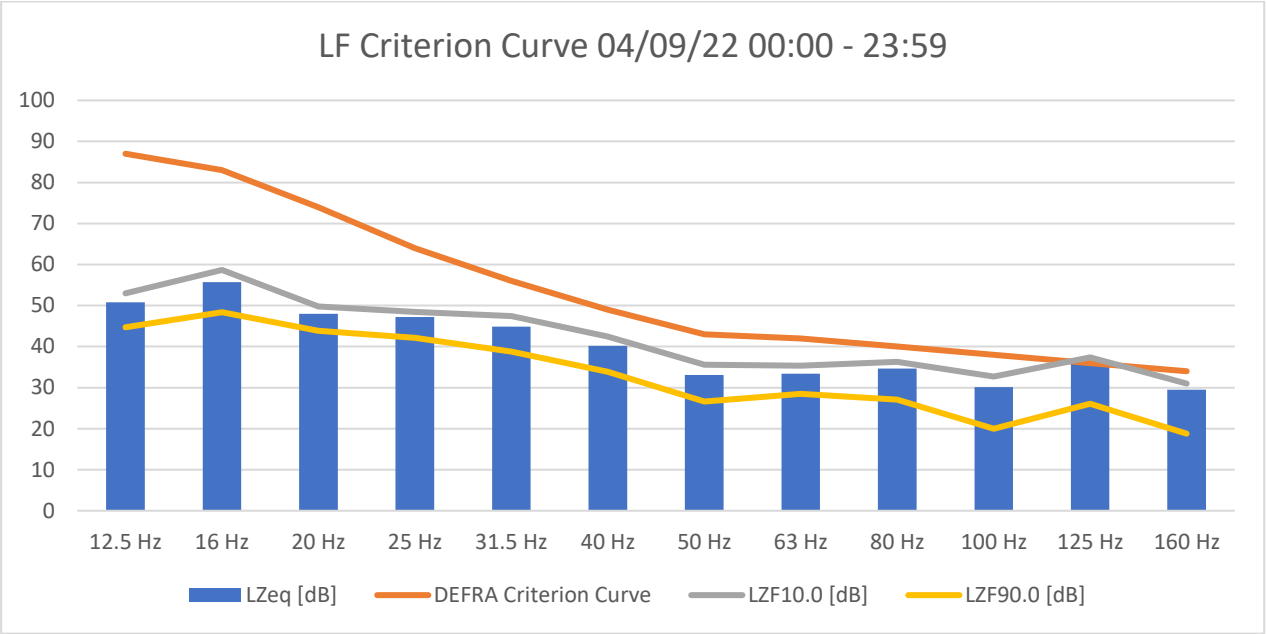
02/09/22



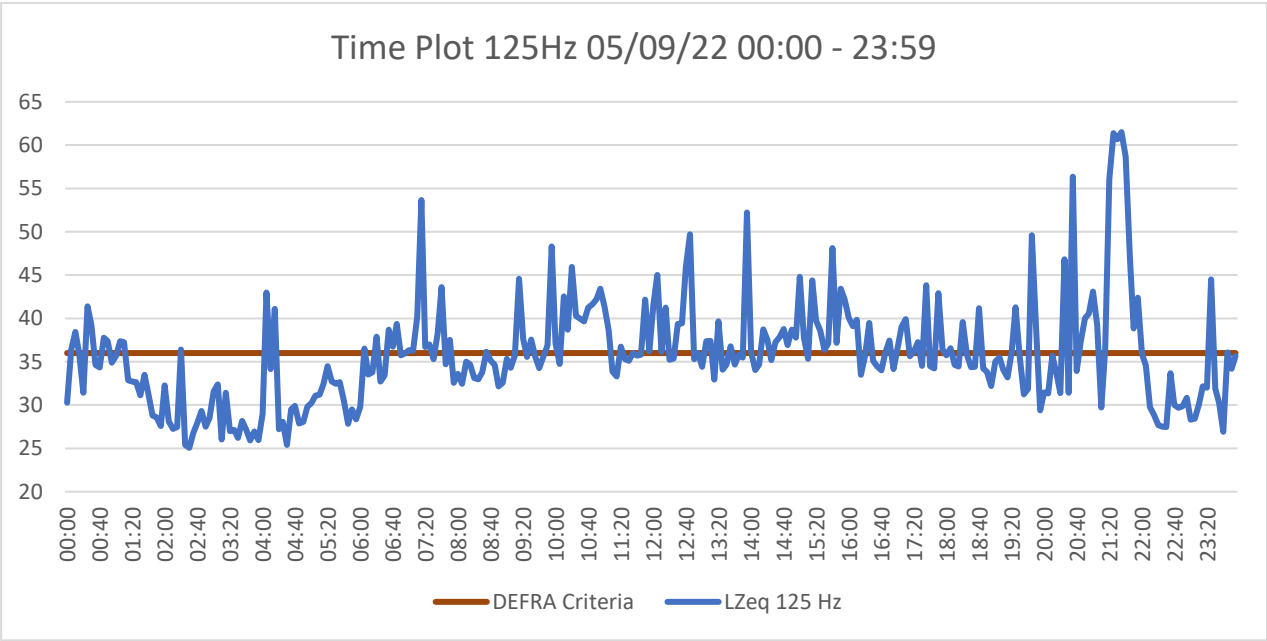
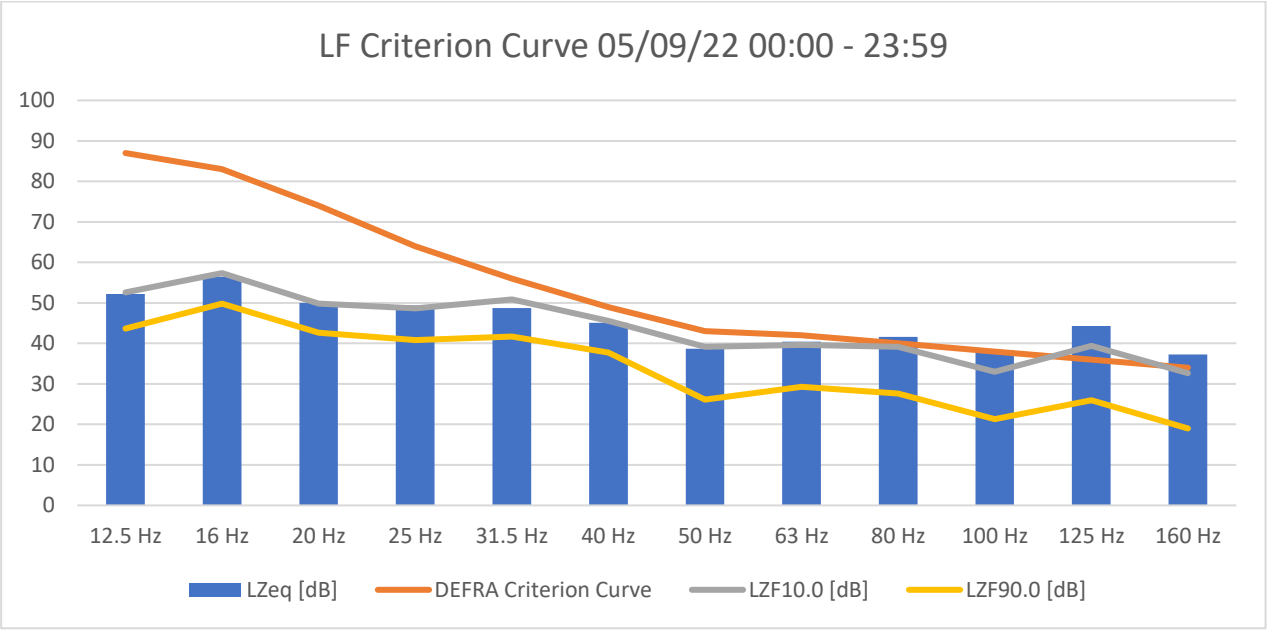
03/09/22



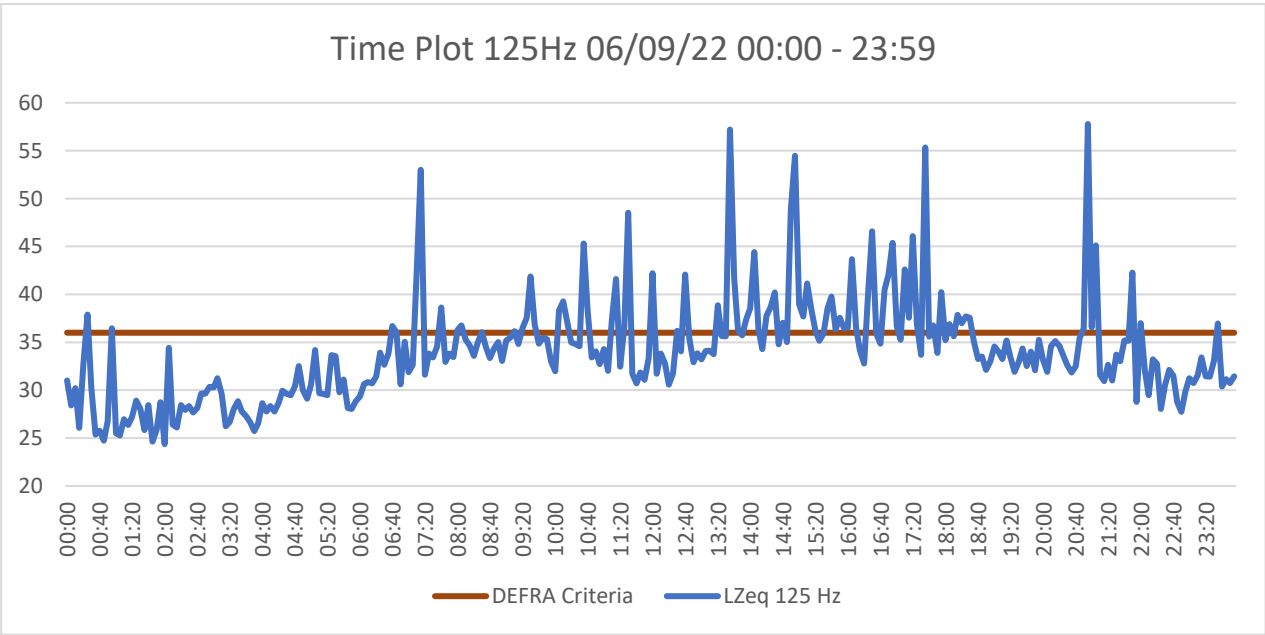
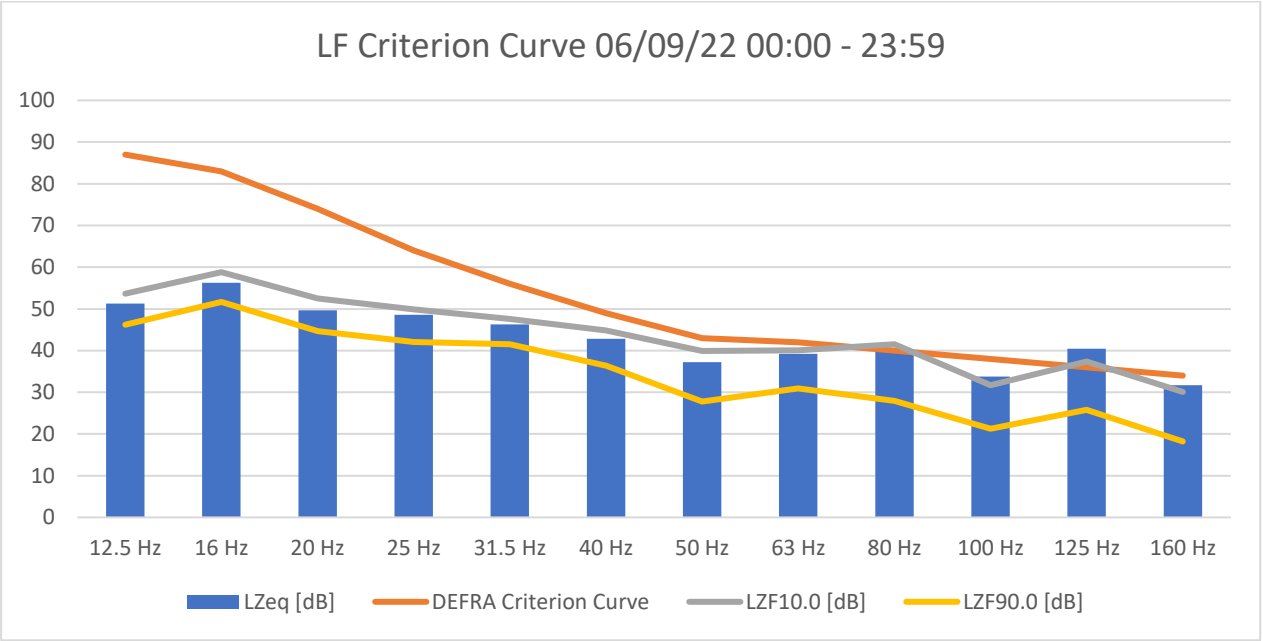
04/09/22



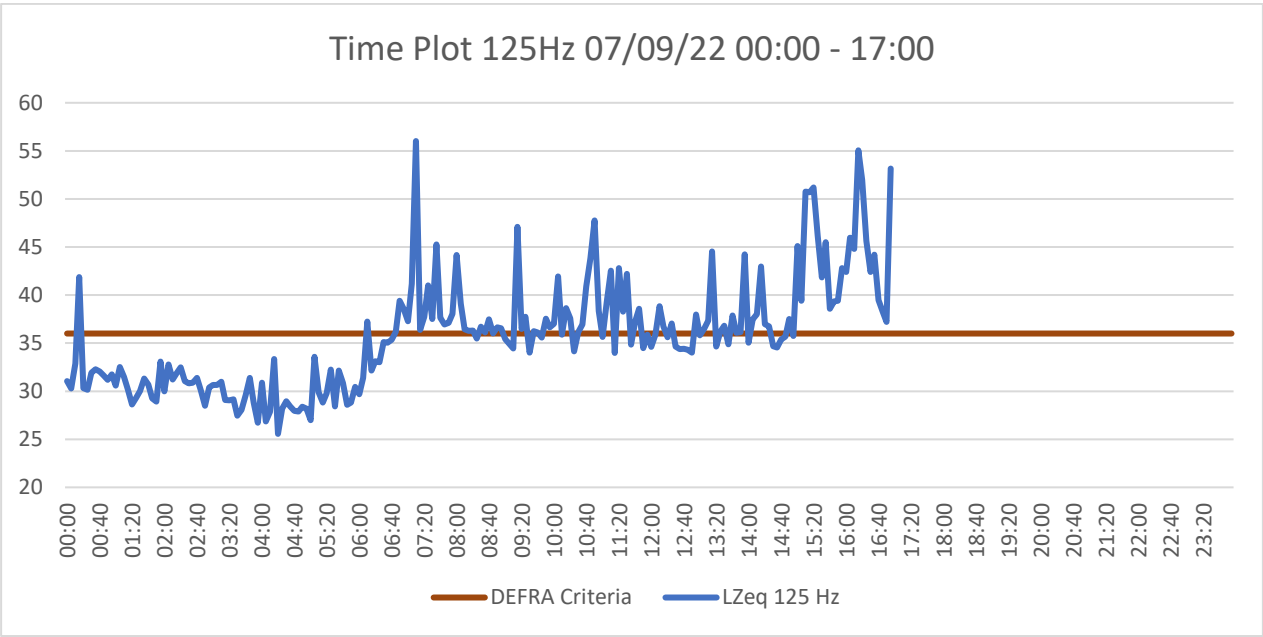
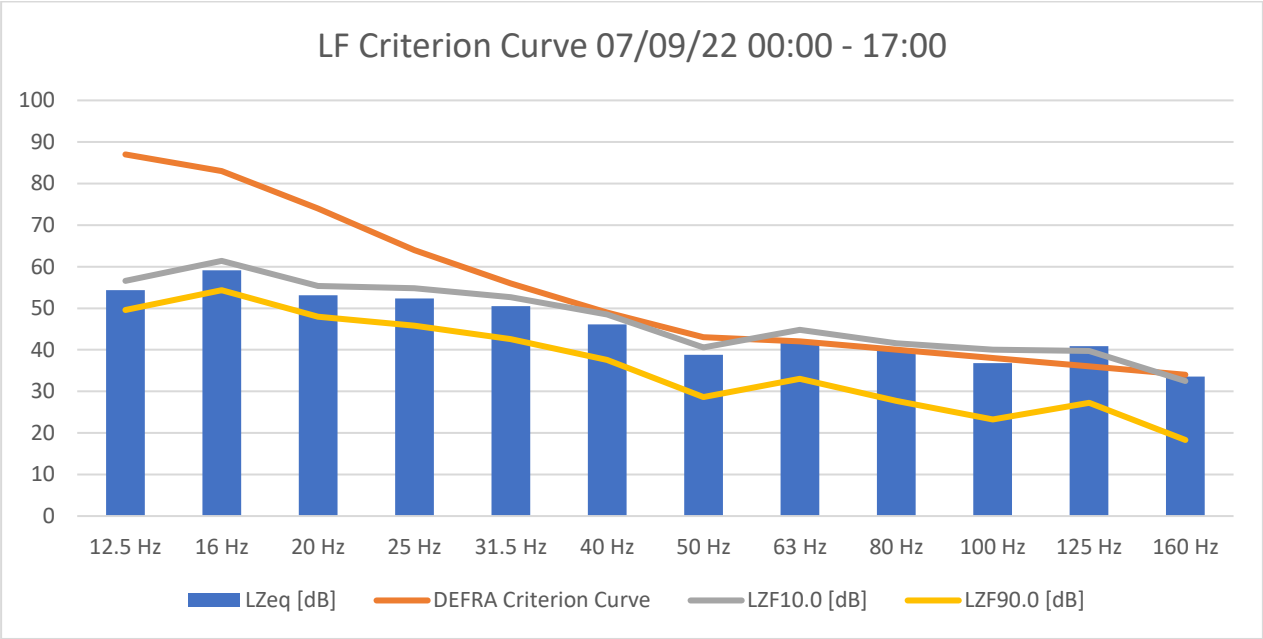
05/09/22



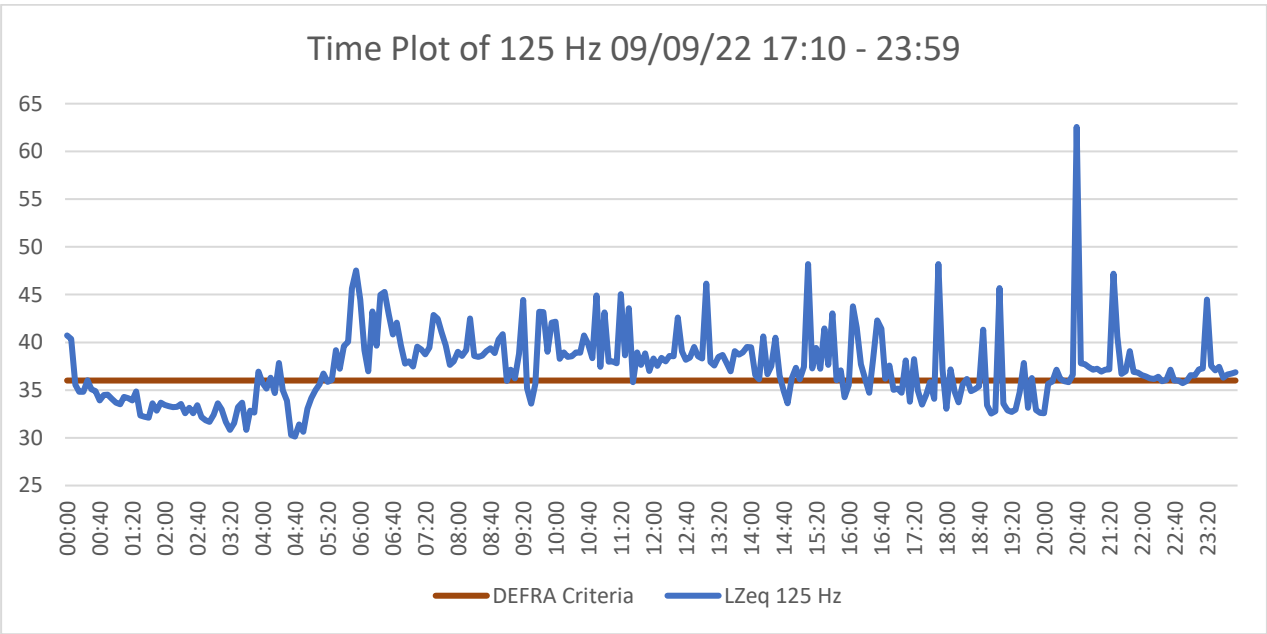
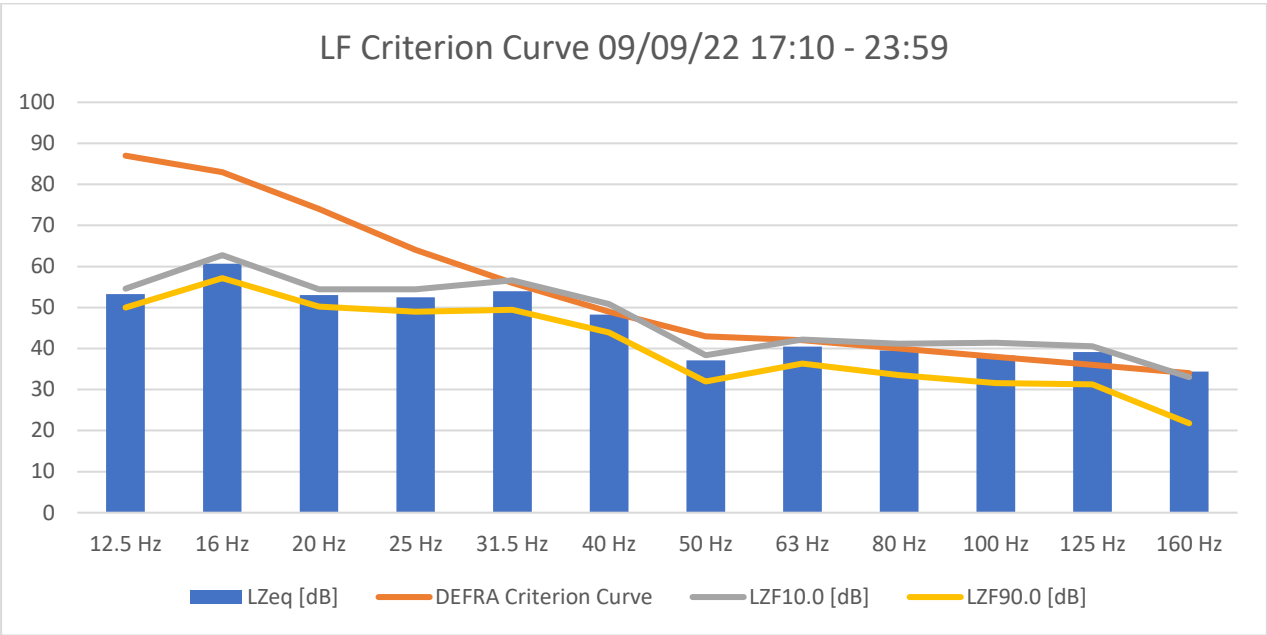
06/09/22



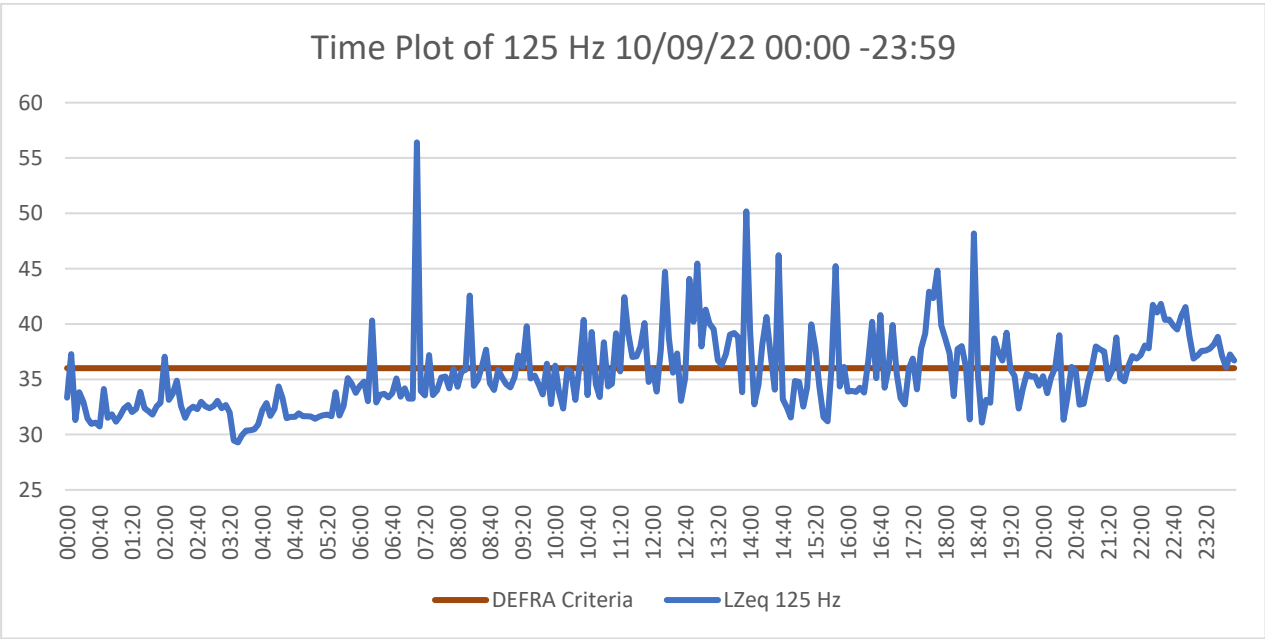
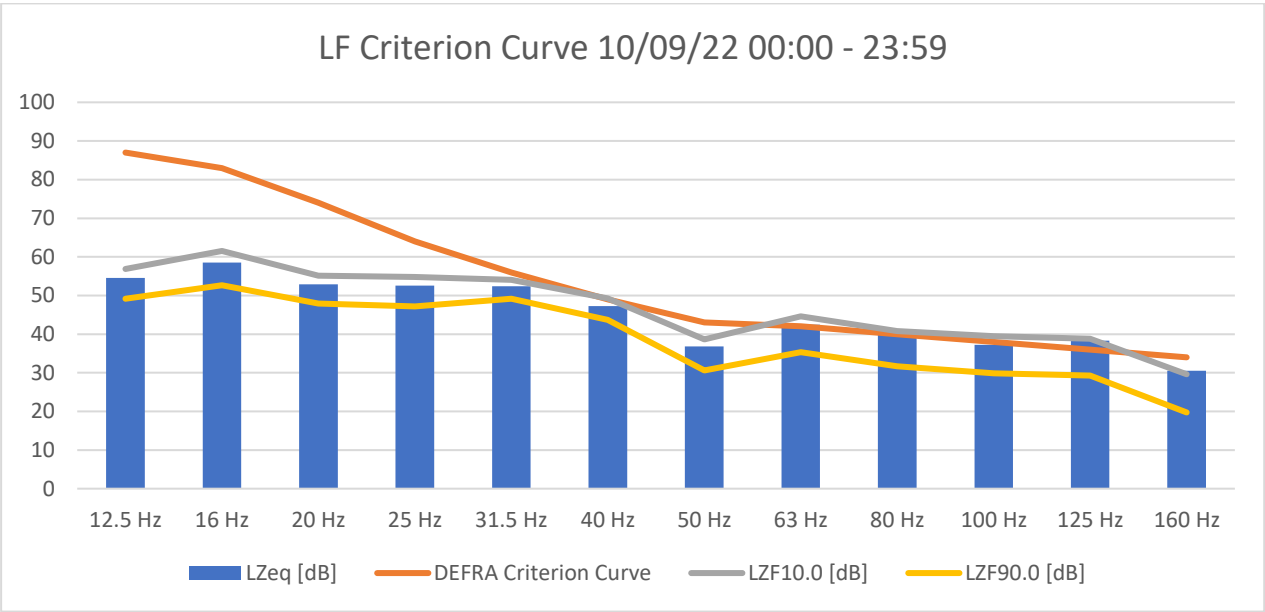
07/09/22



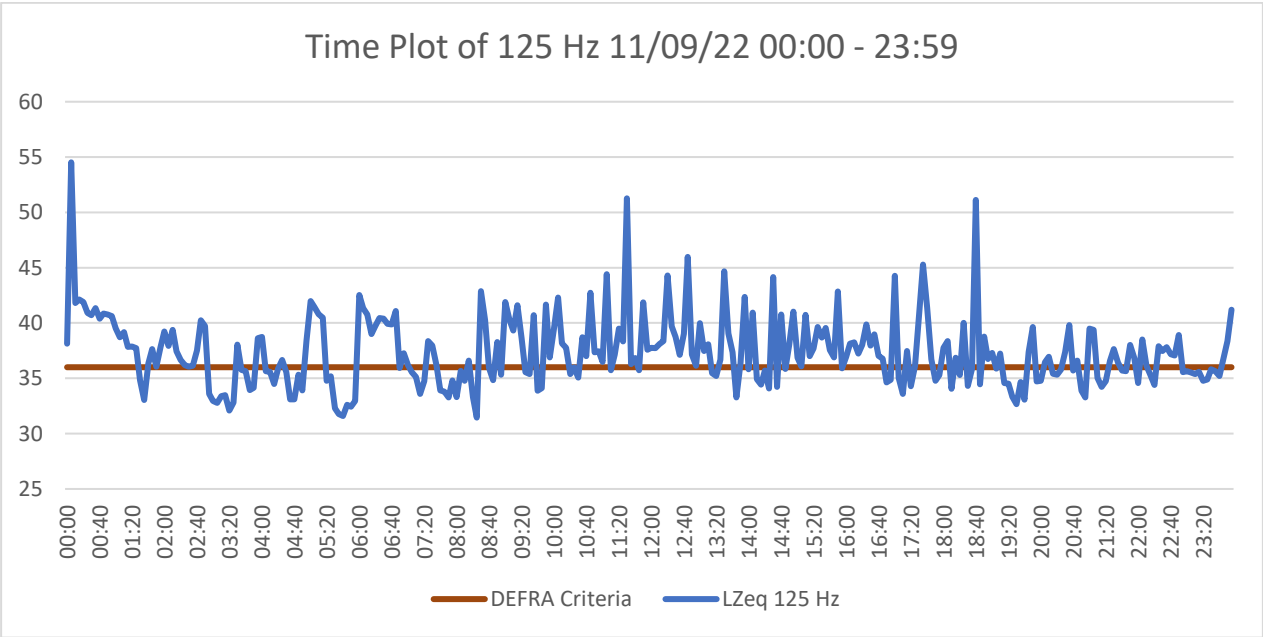
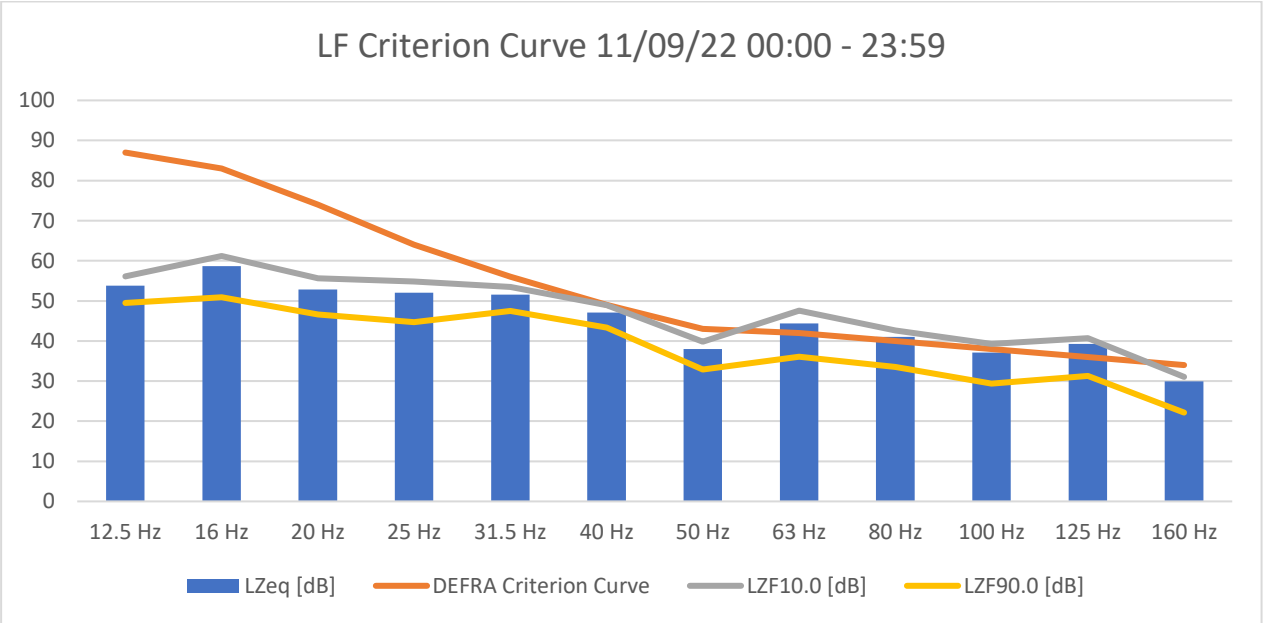
09/09/22



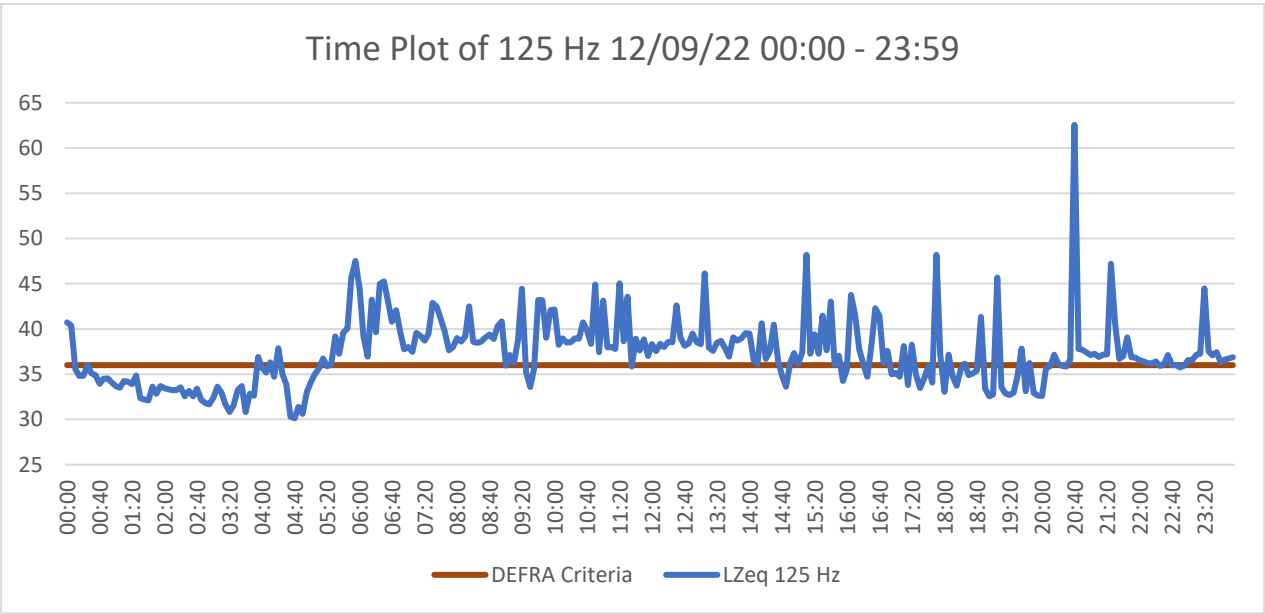
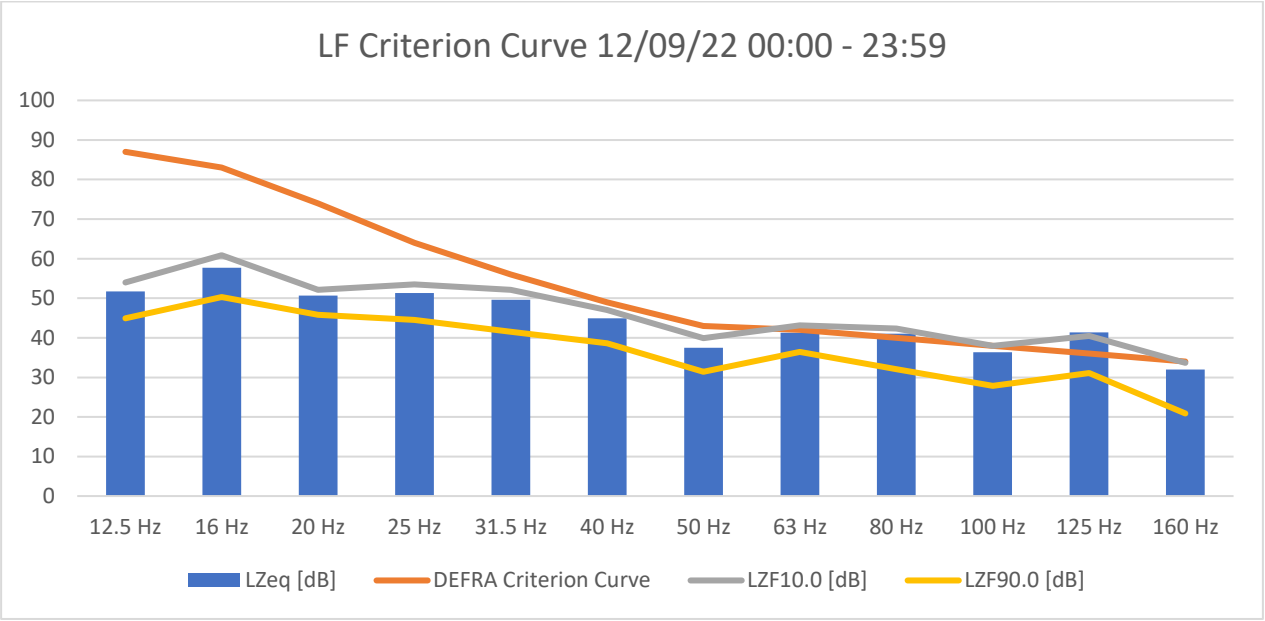
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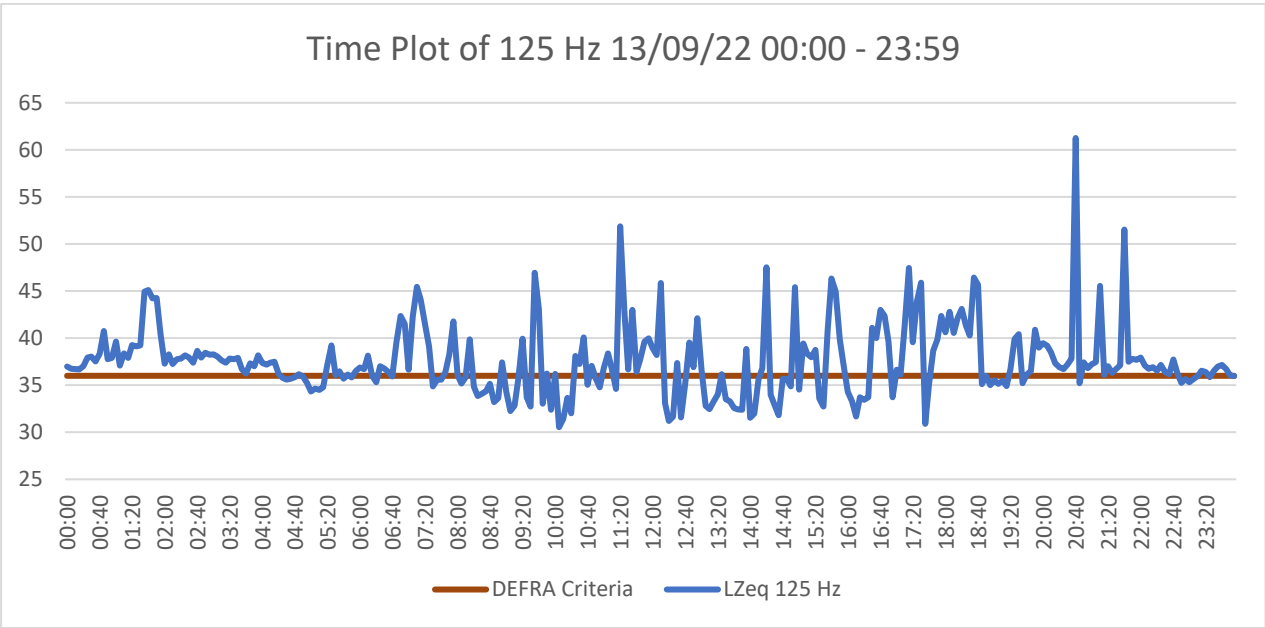
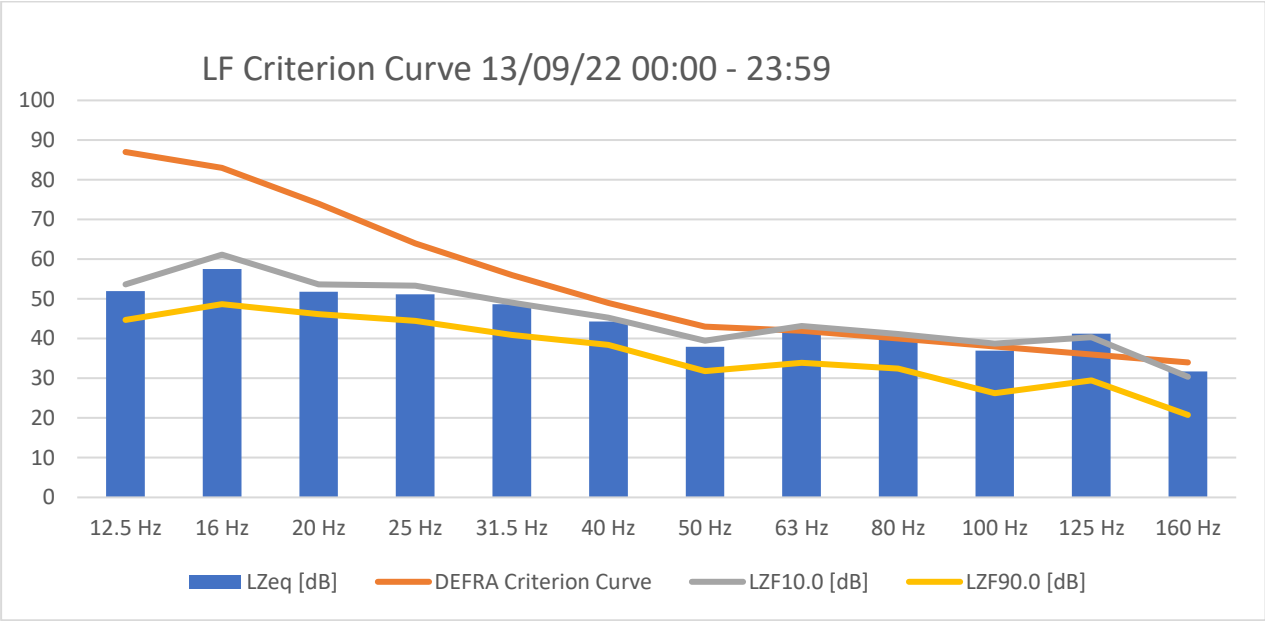
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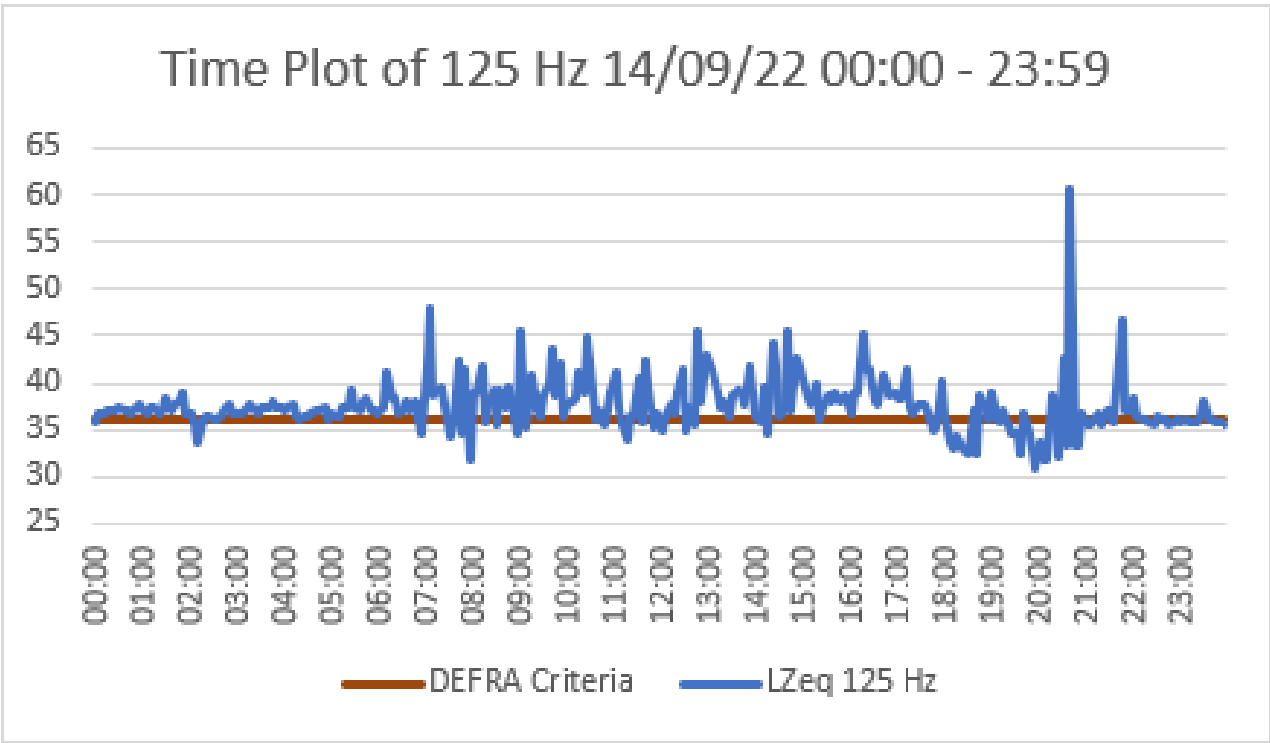
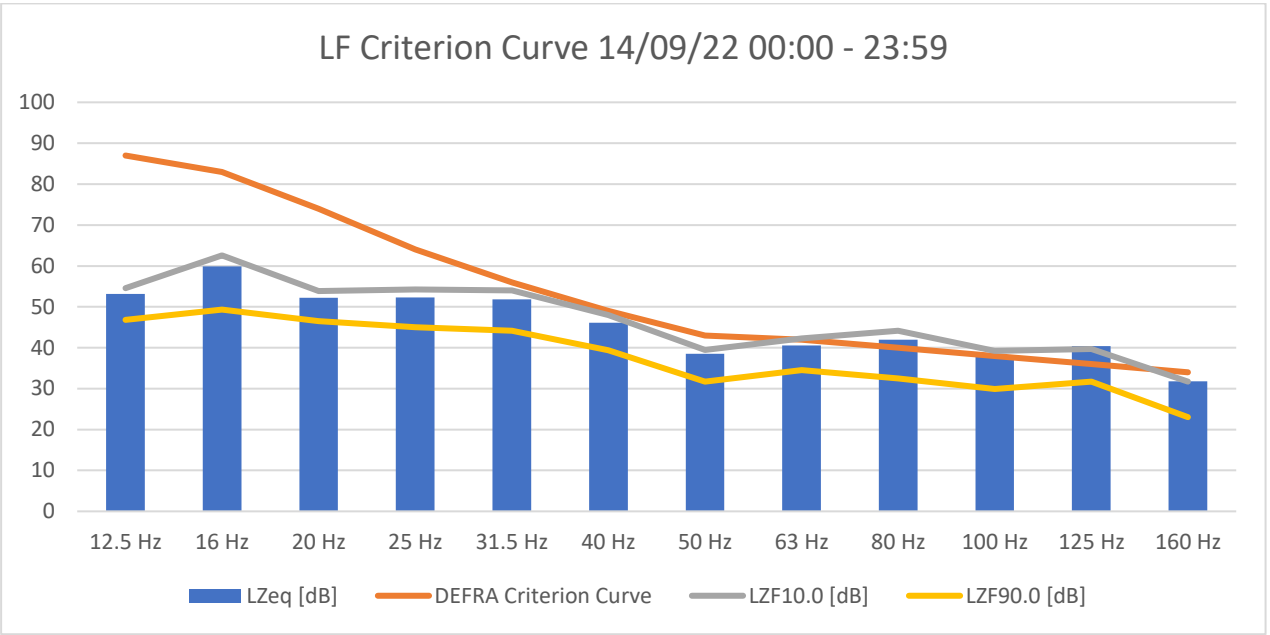
12/09/22



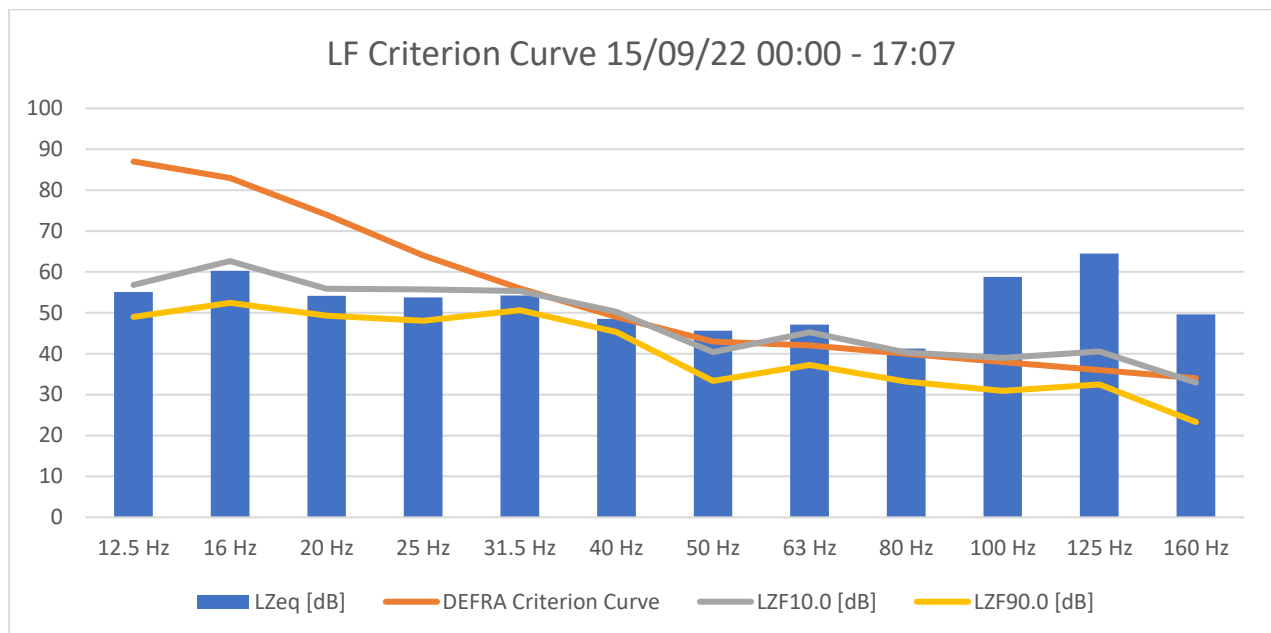
13/09/22



14/09/22



15/09/22



On 15/09/22 all third octave bands between 50 and 160 Hz exceeded their respective criteria curves. Audio analysis of the sound file for this period attributes this to use of a lawnmower near the monitoring location, most likely in the back garden of the property. Therefore, time individual frequency time plots have not been produced.

LZeq 5-minute sound levels for NRW sampled data. LZeq values highlighted in red exceed the NANR45 criteria curve

	Frequency (Hz)	12.5	16	20	25	31.5	40	50	63	80	100	125	160
	Criteria (dB)	87	83	74	64	56	49	43	42	40	38	36	34
Date & Time	Comments												
02/09/22 15:45 - 23:59	Start of Assessment	53	55	51	50	50	45	36	37	40	35	39	32
03/09/22 00:00 - 23:59		53	56	49	48	43	40	34	35	36	35	42	33
04/09/22 00:00 - 23:59		51	56	48	47	45	40	33	33	35	30	36	29
05/09/22 00:00 - 23:59		52	56	50	49	49	45	39	40	42	38	44	37
06/09/22 00:00 - 23:59		51	56	50	49	46	43	37	39	40	34	40	32
07/09/22 00:00 - 17:00	End of Assessment	54	59	53	52	51	46	39	42	40	37	41	34
09/09/22 17:10 - 00:00	Start of Assessment	53	61	53	52	54	48	37	40	40	38	39	34
10/09/22 00:00 - 23:59		55	59	53	53	52	47	37	42	40	37	38	31
11/09/22 00:00 - 23:59		54	59	53	52	52	47	38	44	41	37	39	30
12/09/22 00:00 - 23:59		52	58	51	51	50	45	37	41	41	36	41	32
13/09/22 00:00 - 23:59		52	57	52	51	49	44	38	42	41	37	41	32
14/09/22 00:00 - 23:59		53	60	52	52	52	46	39	41	42	38	40	32
15/09/22 00:00 - 17:07	End of Assessment	55	60	54	54	54	49	46	47	41	59	65	50



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