# **AVAL**







## **Noise Impact Assessment**

## **Site**

39 Halford Road, Richmond, Surrey TW10 6AW

## Client

Mr. Dom Risso

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## 1. Introduction

#### 1.1 Overview

Aval Consulting Group Ltd has been commissioned to carry a noise assessment for a proposed development situated at 39 Halford Road, Richmond, Surrey TW10 6AW. The development falls under the London Borough of Richmond's jurisdiction.

This report will investigate the noise levels from the proposed air conditioning units that are installed on the external wall of the property. The main purpose of this report is to carry out a noise survey to determine if the noise impact from the proposed development is likely to have a detrimental impact on the nearby receptors. The requirement is that the level of noise at the nearest receptor should not exceed the representative  $L_{A90}$  1 hour during the hours of 07:00 to 23:00 or representative  $L_{A90}$  15 minutes during the hours of 23:00 to 07:00 at 1 metre from the nearest noise sensitive facades when assessed in accordance with BS4142: 2014 +A1 2019

#### 1.2 Site Location and Proposal Information

Figure 1.1 shows the proposed site location. The site is surrounded by residential properties on the north, south, east, and west. The closest residential properties lie at around 4.5m to the north of the proposed development and 10 m to the south respectively. The site is also bounded by Halford Road to the east. The dominant sources of noise is Halford RoadThe most sensitive receptors have been identified as

- The residential property situated at around 4.5m to the North (hereafter referred to as Receptor 2)
- The residential property situated at around 10m to the South (hereafter referred to as Receptor 1)

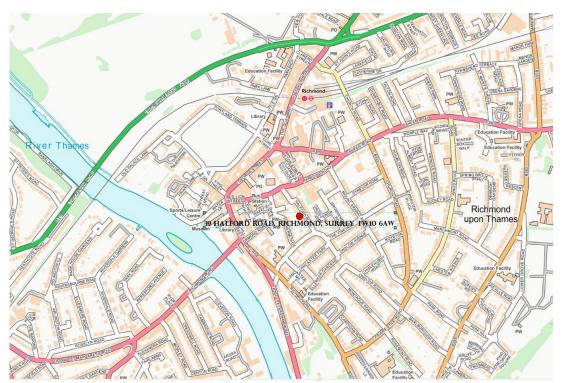


Figure 1-1 Proposed site location (Source: Arc GIS)

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## 2. Relevant Noise Standards

This section summarises all legislation, policy, statutory and non-statutory guidelines relevant to the proposed development. Furthermore, the latest regional and local planning policy guidance specifically applicable to the proposed development has been reviewed.

## 2.1 The 'National Planning Policy Framework (NPPF)

The updated 2018/19 version of the 'National Planning Policy Framework (NPPF)'¹ contains information and general guidance to Local Authorities in relation to considering and taking into account noise. The National Planning Policy Framework (NPPF) guidance reinforces that noise should be taken into account considering planning policies and decisions. Some of the guidance contained in the 'National Planning Policy Framework (NPPF)' includes the following:

- Paragraph 170e: "...preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability..."
- Paragraph 180a,b: "Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:
  - (a) mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development and avoid noise giving rise to significant adverse impacts on health and the quality of life...
  - (b) identify and protect tranquil areas which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason;..."
- Paragraph 182: Planning policies and decisions should ensure that new development can be integrated effectively with existing businesses and community facilities (such as places of worship, pubs, music venues, and sports clubs). Existing businesses and facilities should not have unreasonable restrictions placed on them as a result of development permitted after they were established. Where the operation of an existing business or community facility could have a significant adverse effect on new development (including changes of use) in its vicinity, the applicant (or 'agent of change') should be required to provide suitable mitigation before the development has been completed.

In conjunction with the 'National Planning Policy Framework (NPPF)', 'The Noise Policy Statement for England (NPSE)'<sup>2</sup>, dated March 2010, states the following regarding a long-term vision of government noise policy:

"Noise Policy Statement for England Aims:

The first aim of the NPSE:

Avoid significant adverse impacts on health and quality of life from environmental, neighbour, and neighbourhood noise within the context of Government policy on sustainable development.

The second aim of the NPSE:

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Mitigate and minimize adverse impacts on health and quality of life from environmental, neighbour, and neighbourhood noise within the context of Government policy on sustainable development.

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<sup>&</sup>lt;sup>1</sup> The National Planning Policy Framework (2018/19) https://www.gov.uk/guidance/national-planning-policy-framework

<sup>&</sup>lt;sup>2</sup> Noise Policy Statement for England (NSPE) <a href="https://www.gov.uk/government/publications/noise-policy-statement-for-england">https://www.gov.uk/government/publications/noise-policy-statement-for-england</a>



#### The third aim of the NPSE:

Where possible, contribute to the improvement of health and quality of life through the effective management and control of environmental, neighbour, and neighbourhood noise within the context of Government policy on sustainable development."

In terms of the NPSE, the impact of noise can be categorised by the following terms:

- NOEL No Observed Effect Level The level where no effect can be detected
- LOAEL Lowest Observed Adverse Effect Level The level where adverse effects on health and quality of life can be detected
- SOAEL Significant Observed Adverse Effect Level The level where significant adverse effects on health and quality of life may occur.

#### The NPSE further states that:

"It is not possible to have a single objective noise-based measure that defines SOAEL that is applicable to all sources of noise in all situations. Consequently, the SOAEL is likely to be different for different noise sources, for different receptors, and at different times."

No specific guidance is detailed or given in the 'National Planning Policy Framework (NPPF)', or 'The Noise Policy Statement for England (NPSE)' in terms of acceptable acoustic criteria/noise criteria in order to achieve the 'NOEL, LOAEL or SOAEL'. Therefore, it is considered necessary to refer to alternate national guidance, preferably standardised or regulated such as an appropriate British Standard (BS), or in the absence of this, alternate World Health Organisation (WHO) guidelines, etc.

The British Standard 8223: Sound Insulation and Noise Reduction for Buildings/Code of Practice BS 8223: Sound Insulation and Noise Reduction for Buildings/Code of Practice states that for different spaces, there might be a range of noise levels that are considered acceptable.

#### 2.2 WHO 'Guidelines for Community Noise'

Where noise is assessed against the 'Absolute Level', then this can be split into separate daytime and night-time legislation. The WHO 'Guidelines for Community Noise' state in 4.2.7 "Annoyance Responses" that:

"During the daytime, few people are seriously annoyed by activities with  $L_{Aeq}$  levels below 55 dB; or moderately annoyed with  $L_{Aeq}$  levels below 50dB. Sound pressure levels during the evening and night should be 5-10 dB lower than during the day...."

The guidance goes on to provide a daytime<sup>3</sup> internal acoustic criteria relative to critical health effect(s) that of 35 dB  $L_{Aeq,16 \text{ hour}}$ , and a night-time<sup>4</sup> level of 30 dB  $L_{Aeq,8 \text{ hour}}$ / 45 dB  $L_{AFmax}$  linked with dwelling indoors. Therefore, assuming a maximum external noise level of 50 dB  $L_{Aeq,t}$  during the daytime, (considering a 15 dB reduction in noise via a partially open window) an internal noise level of 35 dB  $L_{Aeq,t}$  should be achieved.

During the night-time periods, a further publication; WHO Night Noise Guidelines For Europe' published in 2009 states that:

"Below the level of 30 dB  $L_{night,outside}$ , no effects on sleep are observed except for a slight increase in the frequency of body movements during sleep due to night noise. There is no sufficient evidence that the biological effects observed at the level below 40 dB  $L_{night,outside}$  are harmful to health. However, adverse health effects are observed at the level above 40 dB  $L_{night,outside}$ , such as self-reported sleep disturbance, environmental insomnia, and increased use of somnifacient drugs and sedatives. Therefore, 40 dB  $L_{night,outside}$  is equivalent to the LOAEL for night noise..... The LOAEL of night noise, 40 dB  $L_{night,outside}$ , can be considered a

<sup>&</sup>lt;sup>3</sup> daytime is typically between 07:00 h and 23:00 h.

<sup>&</sup>lt;sup>4</sup> night-time is between 23:00 h and 07:00 h.



health-based limit value of the night noise guidelines (NNG) necessary to protect the public, including most of the vulnerable groups such as children, the chronically ill and the elderly, from the adverse health effects of night noise."

Therefore, where absolute levels need to be referenced, a maximum daytime noise limit of 50 dB *L*<sub>Aeq,t</sub> can be considered, with the LOAEL for night of 40 dB *L*<sub>night,outside</sub> being considered.

## 2.3 IEMA (Institute of Environmental Management & Assessment)

IEMA also defines the sensitivity of receptors according to the table below

Very Substantial	Greater than 10 dB LAeq change in sound level perceived at a receptor of great sensitivity to noise
Substantial	Greater than 5 dB LAeq change in sound level at a noise-sensitive receptor, or a 5 to 9.9 dB LAeq change in sound level at a receptor of great sensitivity to noise
Moderate	A 3 to 4.9 dB LAeq change in sound level at a sensitive or highly sensitive noise receptor, or a greater than 5 dB LAeq change in sound level at a receptor of some sensitivity
Slight	A 3 to 4.9 dB LAeq change in sound level at a receptor of some sensitivity
None/Not Significant	Less than 2.9 dB Laeq change in sound level and/or all receptors are of negligible sensitivity to noise or marginal to the zone of influence of the proposals

Table 2.1 Effect Descriptors (Guidelines For Environmental Noise Assessment, 2014)

## 2.4 The British Standard 8223: Sound Insulation and Noise Reduction for Buildings/Code of Practice

BS 8223: Sound Insulation and Noise Reduction for Buildings/Code of Practice provides acceptable noise levels. Table 4 of British Standard BS 8223 reproduced below (Table 2.1) provides appropriate criteria and limits for different situations, which are primarily intended to guide the design of new buildings or refurbished buildings undergoing a change of use, rather than to assess the effect of changes in the external noise climate.

Activity	Location	07:00 to 23:00 (Day Time)	23:00 to 07:00 (Night Time)
Resting	Living Room	35 dB L <sub>Aeq, 16 hour</sub>	-
Dinning	Dining Room/area	40 dB L <sub>Aeq, 16 hour</sub>	-
Sleeping (Daytime Resting)	Bedroom	35 dB L <sub>Aeq, 16 hour</sub>	30 dB L <sub>Aeq, 8 hour</sub>

Table 2.2: British Standard recommended indoor noise levels for dwellings (Source: British Standard BS: 8223)

In addition, the WHO Guidelines 1999 recommends that to avoid sleep disturbance, indoor night-time guideline noise values of 30 dB  $L_{Aeq}$  for continuous noise and 45 dB  $L_{AFmax}$  for individual noise events should be applicable. It is to be noted that the WHO Night Noise Guidelines for Europe 2009 makes reference to research that indicates sleep disturbance from noise events at indoor levels as low as 42 dB  $L_{AFmax}$ . The number of individual noise events should also be taken into account and the WHO guidelines suggest that indoor noise levels from such events should not exceed approximately 45 dB  $L_{AFmax}$  more than 10 – 15 times per night. The WHO document recommends that steady, continuous noise levels should not exceed 55 dB  $L_{Aeq}$  on balconies, terraces, and outdoor living areas. It goes on to state that to protect the majority of individuals from moderate annoyance, external noise levels should not exceed 50 dB  $L_{Aeq}$ .

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## 2.5 BS 4142: 2014; Methods for rating and assessing industrial and commercial sound

In terms of industrial/commercial development, guidance is set out in BS 4142: 2014, 'Methods for rating and assessing industrial and commercial sound'. BS 4142 requires the noise from the process/equipment (in  $LA_{eq}$ ) to be compared with the background sound level ( $LA_{90}$ ) in conjunction with the new noise source.

BS 4142 states that if the rated noise level exceeds the LA<sub>90</sub> background sound level by around +10 dB or more, then it is likely that the resultant noise may have a significant adverse impact, a difference of around +5 dB over the background sound level is likely to have an adverse impact, and where the rating level does not exceed the background sound level it is an indication that the resultant noise is likely to have a low adverse impact.

BS 4142: 2014 provides a method for assessing whether an industrial or commercial sound source (e.g. fixed mechanical plant) is likely to cause a disturbance to persons living near to the sound source.

The 2014 document introduces three main acoustic features:

- Tonality: Defined as more sound in the 1/3 octave band than those nearby 1/3 octave bands or more sound in a given frequency than in those nearby frequencies. The tonality feature correction +6dB and can be applied using subjective method or an objective method using 1/3 octave bands.
- Impulsivity: defined as sound that increases by a rate of at least 10dB per second, regardless of its duration. The impulsivity feature correction range from 0-9 dB and can be applied using a subjective method or an objective method using a sound level meter capable of sampling sound at either once every 0.01s interval or once every 0.025s interval.
- Intermittency: Defined as sound that can be identified as being on/off during the measurement period in which case the correction factor that is applied to the specific sound source (e.g. fume extraction system) is +3 DB.

BS 4142 assesses potential significant effect by comparing the source noise (extractor duct vent noise) with the measured background noise level (LA90). The standard provides a penalty (correction factor) for acoustic features for instance bangs or tonal qualities that can increase the likelihood of noise complaints and in these cases, the standard requires a correction to be added to the source noise level. The source noise level along with the correction factor is referred to as the 'rating level'. The rating level is then compared with the background level (La90). BS 4142:2014 advocates the use of LAeq,T - a level, which is directly measurable and termed the Specific Sound Level.

Subjectively the Specific Sound Level may be corrected as follows:

The Specific Sound Level is subject to a correction for tonality between 0dB to +6dB for sound ranging from not tonal to prominently tonal. Subjectively, this can be converted to a penalty of 2dB for a tone which is just perceptible at the noise receptor, 4 dB where it is clearly perceptible, and 6dB where it is highly perceptible.

The Specific Sound Level may be also corrected to impulsivity. A correction of up to +9dB can be applied for sound that is highly impulsive, considering both the rapidity of the change in sound level and the overall change in sound level. Subjectively, this can be converted to a penalty of +3dB for impulsivity which is just perceptible at the noise receptor, 6dB where it is clearly perceptible, and 9dB where it is highly perceptible.

Other sound characteristics that are neither tonal nor impulsive, though otherwise are readily distinctive against the residual acoustic environment, can have a penalty of 3dB applied.

Where tonal and impulsive characteristics are present in the specific sound within the same reference period then these two corrections can both be taken into account. If one feature is dominant then it might be appropriate to apply a single correction. Where both features are likely to affect perception and response, the corrections ought normally to be added in a linear fashion.

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Further corrections may be applied due to intermittency. When the specific sound has identifiable on/off conditions, the specific sound level ought to be representative of the time period of length equal to the reference time interval which contains the greatest total amount of on time. This can necessitate measuring the specific sound over a number of shorter sampling periods that are in combination less than the reference time interval in total, and then calculating the specific sound level for the reference time interval allowing for time when the specific sound is not present. If the intermittency is readily distinctive against the residual acoustic environment, a penalty of 3dB can be applied.

If the subjective method is not sufficient for assessing the audibility of tones in sound or the prominence of impulsive sounds, BS4142:2014 suggests using the one-third octave method and/or the reference methods, as appropriate.

The one-third octave method tests for the presence of a prominent, discrete-frequency spectral component (tone) typically compares the  $L_{\text{Zeq,T}}$  sound pressure level averaged over the time when the tone is present in a one-third-octave band with the time-average linear sound pressure levels in the adjacent one-third-octave bands. For a prominent, discrete tone to be identified as present, the time-averaged sound pressure level in the one-third-octave band of interest is required to exceed the time-averaged sound pressure levels of both adjacent one-third-octave bands by some constant level difference. The level differences between adjacent one-third-octave bands that identify a tone are:

- 15 dB in the low-frequency one-third-octave bands (25Hz to 125Hz);
- 8 dB in the middle-frequency one-third-octave bands (160Hz to 400Hz); and
- 5 dB in the high-frequency one-third-octave bands (500Hz to 10,000Hz).
  - The reference (objective) method.

If the presence of audible tones is in dispute, a special measurement procedure can be used to verify their presence. Based on the prominence of the tones this procedure also provides recommended level adjustments. The aim of the reference method is to assess the prominence of tones in the same way as listeners do on average. The method is based on the psychoacoustic concept of critical bands, which are defined so that sound outside a critical band does not contribute significantly to the audibility of tones inside that critical band. The method includes procedures for steady and varying tones, narrow-band sound, and low-frequency tones, and the result is a graduated 0dB to 6dB adjustment. It is known as the Joint Nordic Method 2 and is to be found in ISO 1996-2. The reference method is also described in BS4142:2014.

Specific Sound Level with (or without) added contentions is termed the Rating Level. When used to assess industrial or commercial sound, the Rating Level is determined and the LA90 background level is subtracted from it. Typically, the greater this difference, the greater the magnitude of the impact.

- A difference of around +10dB or more is likely to be an indication of a significant adverse impact, depending on the context.
- A difference of around +5dB is likely to be an indication of an adverse impact, depending on the context.

The lower the rating level is relative to the measured background sound level, the less likely it is that the specific sound source will have an adverse impact or a significant adverse impact. Where the rating level does not exceed the background sound level, this is an indication of the specific sound source having a low impact, depending on the context.

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## 3. Noise Survey

#### 3.1 Overview

This section provides the details of the methodological approach taken to assess the prevailing acoustic environment at the site where existing noise-sensitive receptors will be present. Establishing the current acoustic environment requires the monitoring of noise levels at the site and where applicable establishes the key noise indicators namely  $L_{AeqT}$ ,  $L_{A10T}$ ,  $L_{A90T}$ , and  $L_{Amax,T}$  as described in Appendix A.

## 3.2 Noise Monitoring

The noise monitoring was carried out over a period of 24 hours to have an accurate representation of the prevailing background levels and comprises a 16hr day-time and 8hr night-time period respectively. The Noise survey periods ranged from the 28.10.20 (07.00am) until 29.10.20 (07.00am). The noise levels were recorded using a Class 1 noise monitor-Make: Castle Sonus GA607, which was calibrated before and after the surveys (Calibration certificate number 044680/74123 dated 7.12.2018). Please note that all the data from the survey have been provided in Appendix B.

The location of the monitoring point (encircled in orange) is shown in Figure 3.1.







## 3.3 Weather Conditions

Weather conditions during the survey periods were suitable for environmental noise monitoring and are not considered to significantly affect any of the results.

Weather conditions between the  $28^{th}$  of October and the  $29^{th}$  of October 2019 were mostly warm and dry with little to no wind (< 3.5 m/s). The temperature ranged between 10 -14°C.



## 4. Noise Survey Results

#### 4.1 Noise from Proposed Equipment

As it is understood, 2 air conditioning units are to be fitted to the existing property. The relevant specifications as well as the noise emission details, as obtained from the manufacturer, have been tabulated below. A penalty has also been applied for intermittence as per the BS4142 criteria (see Section 2).

Table 4.1 Details and Noise emissions of proposed equipment

Equipment Details	Specific Sound Level dB (A)	
DAIKIN RXM-50-M9 – H 735mm W825mm D 300mm	47	
DAIKIN 5MXM90N – H 734mm W 958mm D 340mm	52	

In the event where both units would operate at the same time, a noise level of 53dB would be emitted (logarithmic sum of noise from both units). This rounds up to a rating level (LATR) of 56dB after being penalised for intermittence as per BS4142 (3dB penalty).

## 4.2 Background and Ambient Noise Levels

The results from the noise monitoring survey have been tabulated below

**Table 4.2 Summary of Noise Survey Results** 

Indicator	Day -Time All Values are in dB (A)	Night-Time All Values are in dB (A)
LAeq (16hr day and 8hr Night)	54	43
L <sub>A10</sub>	58	46
L <sub>A90</sub>	43	35
L <sub>AMax</sub>	68	64



## 5. Noise Impact Assessment

The noise levels at the different receptors were evaluated by evaluating the distance attenuation from a point source radiation. The following equation was used to correct a sound pressure level measured at a known distance from a point source.

Equation 1:  $SPL_2 = SPL_1 - 20log(r_2/r_1)$ ,

Where, r<sub>2</sub> is the receiver distance,

r<sub>1</sub> is the measurement distance,

SPL<sub>1</sub> is the noise level at r<sub>1</sub> and

SPL2 is the noise level at the new receiver location

## 5.1 Noise Impact at Receptor 1

Receptor 1 is situated at about 10m to the south of the development. At a distance of 1m from Receptor 1, the level of noise from the air conditioning units is evaluated to be 36dB (according to Equation 1).

## 5.2 Noise Impact at Receptor 2

Receptor 2 is situated at about 4m to the south of the development. At a distance of 1m from Receptor 2, the level of noise from the air conditioning units is attenuated to 46dB.

#### 5.3 Summary of Noise Impact Assessment

In regard to previous sections of this report that assess each individual receptor, it was found that the closest noise receptor (Receptor 2) would experience a noise level of 46dB from the air conditioning units. Comparing this to the night-time background noise level ( $L_{A90} = 35dB$ ) measured in section 4 of this report, it is found that the impact of the noise from the air conditioning units on the receptors exceeds the background noise level by 11dB. Hence mitigation measures are needed.

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## 6. Mitigation

In regard to Section 5 of this report, it was found that for the unit to comply with the London Borough of Richmond adopted Supplementary Planning Guidance (SPG), the noise emission levels as requested by the local authority needs to be 5dB below the background level (which is 35dB for Night-time as presented in table 4.2). This would in turn require a noise insulation level of 11dB + 5dB = 16dB for the unit to comply with all relevant policies.

This can comfortably be achieved by installing a vented acoustic enclosure that can provide a sound attenuation level of at least 16dB when fitted with the air conditioning units. We understand the detailed vented acoustic enclosure design can be approved as part of a planning condition. The vent will be designed by a qualified designer and supplier for the specific air conditioning units being used.



## 7. Conclusions

This report provides a noise impact assessment for a proposed development at 39 Halford Road, Richmond, Surrey TW10 6AW, which consists of the setting up of 2 air conditioning units.

The noise impact assessment was carried out and the results were compared against the existing night-time background noise levels of the particular area.

Based on the findings presented in section 5 and 6 of this report, a vented acoustic noise enclosure for air conditioning units will be installed to ensure that residential amenity is protected.

It can, therefore, be concluded that the proposed development is not considered to conflict with any national, regional, or local planning policy in relation to operational phase noise impact on existing receptors.



## **Appendix A: Noise Indicators**

#### Decibel scale - dB

In practice, when sound intensity or sound pressure is measured, a logarithmic scale is used in which the unit is the 'decibel', dB. This is derived from the human auditory system, where the dynamic range of human hearing is so large, in the order of 10<sup>13</sup> units, that only a logarithmic scale is the sensible solution for displaying such a range.

#### Decibel scale, 'A' weighted - dB(A)

The human ear is less sensitive at frequency extremes, below 125Hz and above 16Khz. A sound level meter models the ears variable sensitivity to sound at different frequencies. This is achieved by building a filter into the Sound Level Meter with a similar frequency response to that of the ear, an A-weighted filter where the unit is dB(A).

#### **Octave Bands**

In order to completely determine the composition of a sound it is necessary to determine the sound level at each frequency individually. Usually, values are stated in octave bands. The audible frequency region is divided into 11 such octave bands whose centre frequencies are defined in accordance with international standards. These centre frequencies are: 16, 31.5, 63, 125, 250, 500, 1000, 2000, 4000, 8000 and 16000 Hertz.

#### Reference Time Interval, T

The specified time interval over which an equivalent continuous A-weighted sound pressure level is determined.

#### $L_{Aeq,T}$

The A-weighted equivalent continuous sound level. This is the sound level of a notionally steady sound having the same energy as the fluctuating sound over a specified measurement period, T.

#### L<sub>A10,T</sub>

The A-weighted sound level exceeded for 10% of the specified measurement period, T.

## $\boldsymbol{L}_{\text{Amax}}$

The highest short duration A-weighted sound level recorded during a noise event.

#### *L*<sub>A90</sub>

The A-weighted sound pressure level of the residual noise at the assessment position that is exceeded for 90 % of a given time interval, T.

#### Addition of noise from several sources

Noise from different sound sources combines to produce a sound level higher than that from any individual source. Two equally intense sound sources operating together produce a sound level which is 3dB higher than a single source and 4 sources produce a 6dB higher sound level.

#### Attenuation by distance

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

#### Subjective impression of noise

Hearing perception is highly individualised. Sensitivity to noise also depends on frequency content, time of occurrence, duration of sound and psychological factors such as emotion and expectations. The following table is a guide to explain increases or decreases in sound levels for many scenarios.

Change in sound level (dB)	Change in perceived loudness
1	Imperceptible

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3	Just barely perceptible
6	Clearly noticeable
10	About twice as loud

#### Transmission path(s)

The transmission path is the path the sound takes from the source to the receiver. Where multiple paths exist in parallel, the reduction in each path should be calculated and summed at the receiving point. Outdoor barriers can block transmission paths, for example traffic noise. The effectiveness of barriers is dependent on factors such as its distance from the noise source and the receiver, its height and construction.

#### **Ground-borne vibration**

In addition to airborne noise levels caused by transportation, construction, and industrial sources there is also the generation of ground-borne vibration to consider. This can lead to structure-borne noise, perceptible vibration, or in rare cases, building damage.

#### Sound insulation - Absorption within porous materials

Upon encountering a porous material, sound energy is absorbed. Porous materials which are intended to absorb sound are known as absorbents, and usually absorb 50 to 90% of the energy and are frequency dependent. Some are designed to absorb low frequencies, some for high frequencies and more exotic designs being able to absorb very wide ranges of frequencies. The energy is converted into both mechanical movement and heat within the material; both the stiffness and mass of panels affect the sound insulation performance.

## **Appendix B: Site Drawings and Noise Data**



Time	LAeq	Amax	L10	L90
28/10/2020 07:00	44.8	55.2	46	43
28/10/2020 07:01	45.8	58.6	46	44
28/10/2020 07:02	43.5	45.8	44	43
28/10/2020 07:03	44.7	48.4	46	43
28/10/2020 07:04	45.4	50.6	47	44
28/10/2020 07:05	43.6	49.8	45	42
28/10/2020 07:06	44	51.8	45	43
28/10/2020 07:07	44.6	48	46	43
28/10/2020 07:08	45.6	51.7	48	44
28/10/2020 07:09	44.5	48.5	46	43
28/10/2020 07:10	47.8	52.4	50	45
28/10/2020 07:11	44.7	53.8	46	43
28/10/2020 07:12	48	58.1	51	44
28/10/2020 07:13	50.5	58.9	54	46
28/10/2020 07:14	45.3	56.9	46	44
28/10/2020 07:15	46.5	51.8	49	44
28/10/2020 07:16	47.1	53.9	49	45
28/10/2020 07:17	47.3	54.1	50	44
28/10/2020 07:18	49.3	60.3	51	45
28/10/2020 07:19	48.9	62.7	51	45
28/10/2020 07:20	45.1	57.4	46	44
28/10/2020 07:21	44.7	47.5	46	44
28/10/2020 07:22	47	54.2	49	44
28/10/2020 07:23	47.1	52.8	50	44
28/10/2020 07:24	50	56.3	53	46
28/10/2020 07:25	46.9	58.3	49	44
28/10/2020 07:26	47.6	55.3	50	44
28/10/2020 07:27	45.5	50	47	44
28/10/2020 07:28	46.2	53.2	49	44
28/10/2020 07:29	46.5	53.9	49	44
28/10/2020 07:30	46.6	52.8	49	45
28/10/2020 07:31	45.6	51.8	47	44
28/10/2020 07:32	50.6	66.3	53	45
28/10/2020	44.6	49.8	45	44
07:33 28/10/2020	45.5	52.6	48	43
07:34				

16

28/10/2020	47.2	54.2	50	44
07:35 28/10/2020	45.3	49.7	47	44
07:36 28/10/2020				
07:37 28/10/2020	46.1	50.4	48	44
07:38	45.1	49.6	46	44
28/10/2020 07:39	44.9	56.1	45	43
28/10/2020 07:40	45.7	48.9	46	45
28/10/2020 07:41	48.1	52.3	50	46
28/10/2020 07:42	46.8	50.3	48	45
28/10/2020 07:43	46.2	53.3	47	44
28/10/2020	46.1	50.5	47	45
07:44 28/10/2020	45.4	50.1	47	44
07:45 28/10/2020	49.1	55.3	52	46
07:46 28/10/2020	46.9	54	48	45
07:47 28/10/2020				
07:48 28/10/2020	45.5	52.4	46	45
07:49 28/10/2020	44.6	46.4	45	44
07:50	44.7	51.3	45	44
28/10/2020 07:51	44.8	52.5	46	44
28/10/2020 07:52	45.7	51.4	47	44
28/10/2020 07:53	51.9	66	51	45
28/10/2020 07:54	51.8	64.1	50	46
28/10/2020 07:55	48.3	57.4	51	45
28/10/2020 07:56	46.8	53.2	50	45
28/10/2020 07:57	49.3	56.2	52	46
28/10/2020 07:58	46.7	50.8	48	45
28/10/2020	45.5	47.4	46	45
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08:00 28/10/2020	47.4	53.8	49	46
08:01 28/10/2020	48.7	65.6	49	44
08:02 28/10/2020				
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08:04 28/10/2020	44.2	49.1	45	43
08:05	44.6	49.5	46	43
28/10/2020 08:06	45.7	62.2	45	43
28/10/2020 08:07	49.2	65.9	47	43
28/10/2020 08:08	50.3	57.1	53	45
28/10/2020 08:09	48.4	57.5	51	45
28/10/2020 08:10	48.6	65.7	49	44
28/10/2020 08:11	45.1	56.4	45	44
55.11				

28/10/2020	44.9	47.7	46	44
08:12 28/10/2020	46.8	56	48	45
08:13 28/10/2020				
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08:15 28/10/2020	44.9	50.3	46	44
08:16	48.5	55.9	51	45
28/10/2020 08:17	46.5	53.7	48	44
28/10/2020 08:18	45.1	52	46	44
28/10/2020 08:19	46.1	52.7	48	44
28/10/2020 08:20	46	52.4	47	45
28/10/2020 08:21	44.5	50.1	46	43
28/10/2020	44.7	48.5	46	44
08:22 28/10/2020	47.2	53.4	49	45
08:23 28/10/2020	45	50.5	46	44
08:24 28/10/2020				
08:25 28/10/2020	43.9	46.5	45	43
08:26 28/10/2020	49.1	58	51	46
08:27 28/10/2020	45.8	50.3	47	45
08:28	44.8	54.3	45	44
28/10/2020 08:29	43.9	53.7	45	43
28/10/2020 08:30	43.5	51.2	45	42
28/10/2020 08:31	45.4	62.2	45	43
28/10/2020 08:32	45.4	63	45	43
28/10/2020 08:33	43.7	48.1	45	43
28/10/2020 08:34	45.1	56.2	46	43
28/10/2020 08:35	44.7	49.3	46	43
28/10/2020 08:36	47.5	54.7	51	44
28/10/2020	44.6	49.8	46	43
08:37 28/10/2020	45.9	51.2	47	44
08:38 28/10/2020	47.6	52.6	49	45
08:39 28/10/2020	45.3	52.5	46	44
08:40 28/10/2020	48.8	57.8	52	45
08:41 28/10/2020				
08:42 28/10/2020	46.4	56.2	48	45
08:43 28/10/2020	47.8	61.2	50	45
08:44	49.6	64.1	52	46
28/10/2020 08:45	45.7	53.4	47	44
28/10/2020 08:46	45.8	58.6	47	44
28/10/2020 08:47	47	55.1	49	45
28/10/2020 08:48	46.7	52.4	48	45

28/10/2020	46.7	50.9	48	45
08:49 28/10/2020	46.1	53.1	48	44
08:50 28/10/2020				
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08:52	45.1	49	46	44
28/10/2020 08:53	47	55.2	50	44
28/10/2020 08:54	46	57.7	47	44
28/10/2020 08:55	47.1	57.7	49	44
28/10/2020 08:56	45.2	53.5	46	44
28/10/2020	46.5	57.3	49	43
08:57 28/10/2020	56.2	70.1	60	48
08:58 28/10/2020				
08:59 28/10/2020	50.9	73	49	45
09:00 28/10/2020	53.5	71.3	51	46
09:01	47.1	61.3	49	44
28/10/2020 09:02	48	58	50	45
28/10/2020 09:03	44.3	52.8	46	42
28/10/2020 09:04	45.5	58.5	47	43
28/10/2020 09:05	46.3	65.6	46	43
28/10/2020 09:06	46.8	55.4	50	43
28/10/2020 09:07	45.3	53.8	47	43
28/10/2020 09:08	48.9	60.6	52	45
28/10/2020 09:09	46.4	60.6	48	43
28/10/2020 09:10	47.2	57.2	50	44
28/10/2020	45	55.6	46	43
09:11 28/10/2020	47.5	57	50	43
09:12 28/10/2020	54.4	58.1	56	45
09:13 28/10/2020	54.1	59.6	57	45
09:14 28/10/2020				
09:15 28/10/2020	53.5	62.2	57	44
09:16	55.3	62.3	58	47
28/10/2020 09:17	48.7	56.2	53	43
28/10/2020 09:18	47.9	65.4	49	43
28/10/2020 09:19	45.4	58.9	47	42
28/10/2020 09:20	50.3	71.3	45	41
28/10/2020 09:21	49.7	69.4	48	41
28/10/2020 09:22	57.3	71.5	62	42
28/10/2020	55	67.7	57	41
09:23 28/10/2020	56.8	71.3	61	41
09:24 28/10/2020	47.9	64.1	49	44
09:25	77.3	07.1	73	74

28/10/2020	49.6	67.5	47	40
09:26 28/10/2020	45.7	65.9	45	41
09:27 28/10/2020				
09:28 28/10/2020	45.4	57.3	47	42
09:29	51.5	64.4	57	40
28/10/2020 09:30	52.6	65.6	58	40
28/10/2020 09:31	50.3	59.3	56	41
28/10/2020 09:32	50.5	61.5	55	40
28/10/2020 09:33	44.2	58	46	41
28/10/2020	43.1	53.2	46	40
09:34 28/10/2020	53.8	66.3	58	43
09:35 28/10/2020	43.9	54.1	47	41
09:36 28/10/2020				
09:37 28/10/2020	43.5	48.8	46	41
09:38	46.2	58.4	47	42
28/10/2020 09:39	43.7	53.2	45	42
28/10/2020 09:40	44.2	49.5	46	42
28/10/2020 09:41	42.2	48	44	41
28/10/2020 09:42	43.4	50.5	45	42
28/10/2020	44.2	58.1	46	42
09:43 28/10/2020	52.5	62.9	56	43
09:44 28/10/2020	51.4	62.3	55	44
09:45 28/10/2020	44.7	55.7	46	43
09:46 28/10/2020	51.2	61.8	57	43
09:47 28/10/2020				
09:48 28/10/2020	48.1	65.2	48	43
09:49	46.2	56.8	48	44
28/10/2020 09:50	50.6	64.4	55	42
28/10/2020 09:51	45.5	54.2	48	42
28/10/2020 09:52	50.8	59.6	55	45
28/10/2020 09:53	51.4	62.9	56	42
28/10/2020	46.6	61.2	48	43
09:54 28/10/2020	45.3	55.6	47	43
09:55 28/10/2020	54.3	64.9	59	47
09:56 28/10/2020				
09:57 28/10/2020	50.9	59.9	53	46
09:58	51.3	61.1	57	45
28/10/2020 09:59	52.9	63.6	57	44
28/10/2020 10:00	52.3	63.9	57	46
28/10/2020 10:01	52.6	61	57	46
28/10/2020	52.6	62.5	56	44
10:02				

28/10/2020	53.6	72	56	44
10:03 28/10/2020	55	73.4	58	43
10:04 28/10/2020	56.3	69.1	59	44
10:05 28/10/2020	54.6	68.7	59	44
10:06 28/10/2020	51.6	60.6	56	45
10:07 28/10/2020	45.9	52.4	48	44
10:08 28/10/2020			49	43
10:09 28/10/2020	46.8	55.2	56	43
10:10 28/10/2020	50.9			
10:11 28/10/2020	49.7	61.8	50	44
10:12 28/10/2020	50.2	68.4	48	44
10:13 28/10/2020	48.8	57.4	51	44
10:14 28/10/2020	49.3	63.2	53	44
10:15 28/10/2020	48.4	57.3	51	43
10:16 28/10/2020	51.9	68.5	52	44
10:17	50.7	68.3	52	45
28/10/2020 10:18	50.1	62.6	55	42
28/10/2020 10:19	48.4	67.1	49	42
28/10/2020 10:20	44.1	51.2	46	42
28/10/2020 10:21	47.6	61.4	49	44
28/10/2020 10:22	48.8	56	51	45
28/10/2020 10:23	49.3	58.1	53	45
28/10/2020 10:24	44.8	50.8	46	43
28/10/2020 10:25	47.3	57.6	50	43
28/10/2020 10:26	45.4	55.6	48	42
28/10/2020 10:27	48.6	58	51	45
28/10/2020 10:28	47	59.8	49	44
28/10/2020 10:29	46.6	59.4	49	43
28/10/2020 10:30	48.1	66.3	47	44
28/10/2020 10:31	45	50.9	48	43
28/10/2020 10:32	43.6	54.4	45	42
28/10/2020 10:33	43	54.7	45	41
28/10/2020 10:34	42.6	46	44	42
28/10/2020 10:35	44	55.7	45	42
28/10/2020 10:36	47.7	55.9	50	45
28/10/2020	46.7	62.5	49	43
10:37 28/10/2020	44.8	51.7	47	43
10:38 28/10/2020	45	55.2	46	43
10:39				

28/10/2020	46.8	62.9	49	43
10:40 28/10/2020				
10:41 28/10/2020	45.4	55.1	48	42
10:42	45.3	55.1	47	42
28/10/2020 10:43	47.1	58.2	49	44
28/10/2020 10:44	45.2	58.4	46	43
28/10/2020 10:45	46.1	55.5	47	44
28/10/2020	49.3	60.8	52	45
10:46 28/10/2020	46.7	54.4	49	43
10:47 28/10/2020	43.8	49	45	43
10:48 28/10/2020	46.5	51.7	48	44
10:49 28/10/2020	46.2	50.4	48	44
10:50 28/10/2020	45.2	49.2	46	44
10:51 28/10/2020	44.3	49.4	46	42
10:52 28/10/2020				
10:53 28/10/2020	44.4	48.3	46	43
10:54	45.3	58.6	47	42
28/10/2020 10:55	44.8	48.5	46	44
28/10/2020 10:56	44.3	49.9	46	42
28/10/2020 10:57	46.6	57.7	49	43
28/10/2020 10:58	49.2	60.2	52	46
28/10/2020 10:59	47.5	63.1	49	44
28/10/2020 11:00	47.9	57.5	50	45
28/10/2020 11:01	48.6	55.2	50	47
28/10/2020 11:02	45.3	57.3	47	42
28/10/2020 11:03	46.2	58.7	47	43
28/10/2020 11:04	45.1	52.7	48	42
28/10/2020 11:05	46.3	53.6	49	42
28/10/2020 11:06	45.6	57.1	47	42
28/10/2020	44.7	56.7	46	42
28/10/2020 11:09	49.7	63.2	52	44
11:08 28/10/2020	50.9	69.3	46	43
11:09 28/10/2020	50.1	70	48	44
28/10/2020	43.4	53.9	44	42
28/10/2020	41.8	44.9	43	41
28/10/2020	41.9	44.6	43	41
11:13 28/10/2020	44.5	58.7	46	42
28/10/2020	43.7	49.5	45	42
11:15 28/10/2020	45.6	55.5	47	43
11:16				

28/10/2020	44.5	54.2	46	42
11:17 28/10/2020	46.9	56.3	49	44
11:18 28/10/2020				
11:19 28/10/2020	50.9	62.8	56	44
11:20	46.7	53.8	49	44
28/10/2020 11:21	46.5	51.6	49	44
28/10/2020 11:22	45.9	51.7	47	44
28/10/2020 11:23	49.8	56.9	52	47
28/10/2020 11:24	57.6	76.9	58	46
28/10/2020 11:25	47.7	64.3	50	44
28/10/2020	50.7	61.5	55	45
11:26 28/10/2020	50.1	61.1	53	45
28/10/2020	50.3	65.4	54	45
11:28 28/10/2020				44
11:29 28/10/2020	46.3	58.9	48	
11:30	43.9	56.2	45	42
28/10/2020 11:31	44.4	53.4	47	42
28/10/2020 11:32	47.9	59.3	48	42
28/10/2020 11:33	51.2	63.2	56	43
28/10/2020 11:34	43.8	57.4	44	42
28/10/2020 11:35	44.8	62	46	42
28/10/2020 11:36	48	63.6	50	43
28/10/2020 11:37	45.7	58.5	47	43
28/10/2020 11:38	43.4	52.1	44	42
28/10/2020 11:39	46.1	60.7	48	42
28/10/2020	48.9	56.3	51	46
11:40 28/10/2020	46.3	52.1	49	44
11:41 28/10/2020	49.2	55.7	51	47
11:42 28/10/2020	44.2	49.9	46	43
11:43 28/10/2020	44.2	55.2	44	
11:44 28/10/2020				42
11:45 28/10/2020	45.1	53.7	47	43
11:46 28/10/2020	48.1	53.8	50	45
11:47	50.3	65.6	54	44
28/10/2020 11:48	47.3	63.9	49	44
28/10/2020 11:49	47.6	64	47	43
28/10/2020 11:50	49.8	66.8	51	45
28/10/2020 11:51	48.9	64.9	51	44
28/10/2020 11:52	52.6	66.6	54	45
28/10/2020	47.6	64.7	48	43
11:53				

28/10/2020	54.7	65.1	60	43
11:54 28/10/2020	56.5	64.7	61	44
11:55 28/10/2020				
11:56 28/10/2020	46.2	66.1	45	43
11:57 28/10/2020	48.3	56.7	52	43
11:58	46.7	53.8	50	42
28/10/2020 11:59	43.9	51.5	45	43
28/10/2020 12:00	47.9	54.5	50	45
28/10/2020 12:01	46.7	53.5	49	44
28/10/2020 12:02	48.8	64.8	50	46
28/10/2020 12:03	45.7	59	47	43
28/10/2020 12:04	54	66.6	59	43
28/10/2020 12:05	58.4	68.3	63	43
28/10/2020 12:06	44.5	50.3	46	43
28/10/2020 12:07	45.9	59.2	47	43
28/10/2020 12:08	47.2	59.8	49	44
28/10/2020 12:09	46.7	54.5	49	44
28/10/2020 12:10	52.2	73.8	46	43
28/10/2020 12:11	49.2	71.6	48	43
28/10/2020 12:12	44.6	50.7	47	42
28/10/2020 12:13	46.7	56.6	49	44
28/10/2020 12:14	50.1	68	50	43
28/10/2020 12:15	45.4	52.9	48	43
28/10/2020	53.3	74	51	45
12:16 28/10/2020	49.8	67	49	44
12:17 28/10/2020	48.1	65.9	49	44
12:18 28/10/2020	48.4	61.1	50	46
12:19 28/10/2020	48.6	53.5	51	46
12:20 28/10/2020	49.2	58.4	51	47
12:21 28/10/2020	49.2	52.9	50	46
12:22 28/10/2020	49.5	66	52	46
12:23 28/10/2020		54.8	51	
12:24 28/10/2020	48.5			45
12:25 28/10/2020	44.2	49.5	46	43
12:26 28/10/2020	43.1	47.4	44	42
12:27 28/10/2020	44.3	52.1	46	42
12:28 28/10/2020	44.6	49.7	46	43
12:29 28/10/2020	44.2	51.4	46	42
12:30	44.6	51.7	46	42

28/10/2020	43.5	48.2	45	42
12:31 28/10/2020	45.1	49.1	46	44
12:32 28/10/2020				
12:33 28/10/2020	48.3	57.9	51	45
12:34	48.8	54.3	51	45
28/10/2020 12:35	45.6	50.8	47	44
28/10/2020 12:36	46.6	53.3	49	44
28/10/2020 12:37	46.7	55.2	49	44
28/10/2020 12:38	44.1	53.1	45	43
28/10/2020 12:39	46.8	49.5	48	46
28/10/2020	49.7	64.8	51	48
12:40 28/10/2020	48.8	53.7	50	47
12:41 28/10/2020				
12:42 28/10/2020	47.6	53.6	49	47
12:43 28/10/2020	48.9	55.4	50	48
12:44	47.9	53.7	50	45
28/10/2020 12:45	48.2	59.6	51	44
28/10/2020 12:46	47.1	59.6	49	44
28/10/2020 12:47	45.4	57.5	47	43
28/10/2020 12:48	45.7	56	48	43
28/10/2020 12:49	46.7	57.2	48	44
28/10/2020 12:50	46.4	56.3	47	45
28/10/2020 12:51	49.2	55.7	52	45
28/10/2020	50.3	66.5	53	45
12:52 28/10/2020	49.6	62	52	45
12:53 28/10/2020	46.4	51.4	48	45
12:54 28/10/2020	45.3	51.2	47	43
12:55 28/10/2020				
12:56 28/10/2020	47.3	55.5	49	45
12:57 28/10/2020	47.7	57.3	51	44
12:58	46.3	50.3	48	44
28/10/2020 12:59	46.9	52	49	45
28/10/2020 13:00	49.9	58.5	53	44
28/10/2020 13:01	60.4	72.9	65	42
28/10/2020 13:02	50.2	62.6	53	44
28/10/2020 13:03	43.4	47.3	45	42
28/10/2020 13:04	48.4	57.7	51	44
28/10/2020	44.4	54.1	47	42
13:05 28/10/2020	44.8	52.7	48	42
13:06 28/10/2020	42.7	47.4	44	42
13:07	72.7	77.4	77	74

28/10/2020	43.2	48.1	45	41
13:08 28/10/2020				
13:09 28/10/2020	46.2	52.3	49	42
13:10	45.1	49.7	47	44
28/10/2020 13:11	43.9	47.2	45	43
28/10/2020 13:12	49	67.1	48	45
28/10/2020 13:13	48.1	62.7	48	44
28/10/2020 13:14	47.9	54.1	51	43
28/10/2020 13:15	45.8	55.9	48	44
28/10/2020 13:16	46.6	65.4	47	43
28/10/2020 13:17	47.9	67.2	48	44
28/10/2020	43	46.8	45	42
13:18 28/10/2020	54.9	74	51	42
13:19 28/10/2020	46.1	53.9	49	43
13:20 28/10/2020	47	57.3	49	44
13:21 28/10/2020	46.9	61.7	47	43
13:22 28/10/2020	54.6	65.8	60	44
13:23 28/10/2020				
13:24 28/10/2020	47.3	62.5	47	42
13:25 28/10/2020	52.8	68.1	52	45
13:26 28/10/2020	43.7	49.4	45	42
13:27	43.3	52.2	44	42
28/10/2020 13:28	44.9	51.4	47	43
28/10/2020 13:29	50.5	63.8	54	43
28/10/2020 13:30	51.8	60.6	55	46
28/10/2020 13:31	44.5	47.3	46	43
28/10/2020 13:32	46.1	49.9	48	43
28/10/2020 13:33	47	57.6	50	43
28/10/2020 13:34	53.6	66.8	57	46
28/10/2020 13:35	54.7	72.3	56	43
28/10/2020	49.9	70.8	49	43
13:36 28/10/2020	53.4	73.2	49	43
13:37 28/10/2020	46.3	57.6	48	44
13:38 28/10/2020	45.9	57.2	48	43
13:39 28/10/2020	45.3	51.7	47	43
13:40 28/10/2020	49.6	60	52	45
13:41 28/10/2020				
13:42 28/10/2020	48.3	52.7	50	46
13:43 28/10/2020	57.5	67.9	62	44
13:44	50.8	67.6	52	43

28/10/2020	48.6	61.9	51	44
13:45 28/10/2020	44.2	53.5	45	43
13:46 28/10/2020				
13:47 28/10/2020	49.4	59.4	52	45
13:48	49.4	59.2	53	44
28/10/2020 13:49	45.2	52.6	47	43
28/10/2020 13:50	44.9	54.1	47	43
28/10/2020 13:51	47.4	58.4	49	44
28/10/2020 13:52	45.2	50	46	44
28/10/2020 13:53	47.1	53.9	49	45
28/10/2020 13:54	48.1	54.7	51	45
28/10/2020	47.3	56.6	50	44
13:55 28/10/2020	48.9	61.3	51	45
13:56 28/10/2020	51.5	61.3	55	46
13:57 28/10/2020	46.4	54.4	48	44
13:58 28/10/2020				
13:59 28/10/2020	55.3	65.8	61	45
14:00	46.3	57.1	49	42
28/10/2020 14:01	48.9	62	52	44
28/10/2020 14:02	51.2	69.2	50	44
28/10/2020 14:03	50.8	72.6	51	44
28/10/2020 14:04	56	74.8	53	45
28/10/2020 14:05	53.1	71.7	52	47
28/10/2020 14:06	48	56.8	51	45
28/10/2020 14:07	54.3	66.3	60	44
28/10/2020 14:08	54.9	77.6	51	43
28/10/2020	49.5	57.7	51	47
14:09 28/10/2020	46.4	56.8	49	43
14:10 28/10/2020	48.4	57.1	51	46
14:11 28/10/2020	50.7	60.4	53	48
14:12 28/10/2020				
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14:14 28/10/2020	48.7	62.7	49	46
14:15	48.4	64.7	48	44
28/10/2020 14:16	45.1	55.9	47	43
28/10/2020 14:17	53.5	65.7	59	42
28/10/2020 14:18	45.5	52.7	47	44
28/10/2020 14:19	46.2	54.2	49	43
28/10/2020 14:20	48.8	64.2	50	44
28/10/2020 14:21	52.1	68.3	52	46
17.21				

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14:22 28/10/2020	45.4	58.7	47	43
14:23 28/10/2020				
14:24 28/10/2020	45.5	58.2	48	42
14:25	54	74.2	50	44
28/10/2020 14:26	52.7	68.5	51	43
28/10/2020 14:27	55.6	73.2	53	41
28/10/2020 14:28	44.5	56.1	47	41
28/10/2020 14:29	47	57	50	43
28/10/2020 14:30	52.1	75.3	49	43
28/10/2020 14:31	45	50.9	47	42
28/10/2020	43.5	49.8	45	41
14:32 28/10/2020	43	58	44	41
14:33 28/10/2020	49.4	58.4	51	45
14:34 28/10/2020		66.3	48	44
14:35 28/10/2020	48.3			
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14:37	48.3	56.6	50	44
28/10/2020 14:38	49.7	57	52	46
28/10/2020 14:39	46.2	52.7	48	44
28/10/2020 14:40	43.6	49.2	46	42
28/10/2020 14:41	44.8	54	47	42
28/10/2020 14:42	49.1	54.7	51	45
28/10/2020 14:43	45.7	52.7	47	43
28/10/2020 14:44	50.9	66.9	51	45
28/10/2020 14:45	51.8	58.9	54	48
28/10/2020 14:46	48	54.8	51	44
28/10/2020 14:47	47	52.4	50	44
28/10/2020	46.2	55.1	50	41
14:48 28/10/2020	43.9	49.3	45	42
14:49 28/10/2020	48.6	54.1	51	46
14:50 28/10/2020	47.4	54.5	49	45
14:51 28/10/2020	47.7	65.5	48	44
14:52 28/10/2020	50.8	60.2	53	47
14:53 28/10/2020				
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14:55 28/10/2020	48.2	54.1	50	46
14:56 28/10/2020	47.9	55.1	51	43
14:57	49.3	57.6	52	44
28/10/2020 14:58	66.6	77.7	72	44

28/10/2020	58	73.1	62	45
14:59 28/10/2020	45.9	52.6	49	42
15:00 28/10/2020	57.9	72	62	48
15:01 28/10/2020	46.6	57.3	49	42
15:02 28/10/2020	60.5	71.6	65	47
15:03 28/10/2020	47.3	64.5	49	43
15:04 28/10/2020	60.7	72.8	65	49
15:05 28/10/2020	46.1	57.6	48	43
15:06 28/10/2020	63.6	74.9	69	43
15:07 28/10/2020	54.6			45
15:08 28/10/2020		69.2	57	
15:09 28/10/2020	44.7	55.4	47	43
15:10 28/10/2020	56.1	65.6	61	45
15:11 28/10/2020	50.4	63.6	54	43
15:12 28/10/2020	52.7	67.1	55	45
15:13 28/10/2020	60	68	63	55
15:14	54.5	63.5	56	52
28/10/2020 15:15	54.1	64.8	57	50
28/10/2020 15:16	50.6	62	52	48
28/10/2020 15:17	53	61.8	55	49
28/10/2020 15:18	53.9	63.6	56	51
28/10/2020 15:19	61.4	71.7	64	57
28/10/2020 15:20	61.1	66.6	64	58
28/10/2020 15:21	64	73.8	68	55
28/10/2020 15:22	62.1	73.1	66	55
28/10/2020 15:23	66.6	76	72	51
28/10/2020 15:24	56.9	70.2	60	48
28/10/2020 15:25	60.8	70.6	65	52
28/10/2020 15:26	52.5	71.2	55	47
28/10/2020 15:27	64.6	74.5	68	51
28/10/2020 15:28	54.6	65.4	58	50
28/10/2020 15:29	56	68	60	49
28/10/2020 15:30	62.8	72.3	67	50
28/10/2020 15:31	53.6	63.9	58	46
28/10/2020 15:32	64.1	75.1	69	48
28/10/2020	56.7	67.3	61	47
15:33 28/10/2020	60.2	70.5	65	49
15:34 28/10/2020	53.7	63.9	58	48
15:35	20.,			

28/10/2020	52.4	64.3	55	47
15:36 28/10/2020				
15:37	61.4	71.8	65	54
28/10/2020 15:38	56.2	65.4	61	50
28/10/2020 15:39	59.9	68.5	64	53
28/10/2020 15:40	54.9	61.5	57	52
28/10/2020	60.7	70.5	64	56
15:41 28/10/2020	53.3	56.8	54	52
15:42 28/10/2020				
15:43 28/10/2020	64.2	77.2	69	54
15:44	56.1	63.3	59	53
28/10/2020 15:45	60	69.9	63	55
28/10/2020 15:46	54.4	64.3	56	52
28/10/2020	63.3	73.6	68	52
15:47 28/10/2020	51.8	62	57	47
15:48 28/10/2020	63.5	73.4	68	52
15:49 28/10/2020				
15:50 28/10/2020	53	60.1	55	50
15:51	48.5	56.8	50	47
28/10/2020 15:52	51.9	64.1	53	48
28/10/2020 15:53	50.7	64.9	51	47
28/10/2020 15:54	52.8	71	51	46
28/10/2020	48.9	65.1	49	46
15:55 28/10/2020	53.8	73.9	51	46
15:56 28/10/2020	61.4	71.3	66	51
15:57 28/10/2020	55.4	70.7	57	46
15:58 28/10/2020				
15:59	48.3	68.1	48	46
28/10/2020 16:00	47.4	54.7	49	46
28/10/2020 16:01	47.2	55.5	48	46
28/10/2020 16:02	49.5	62	49	46
28/10/2020 16:03	65.3	74.3	70	54
28/10/2020	48.5	58.3	49	47
16:04 28/10/2020	50	56.4	54	46
16:05 28/10/2020				
16:06 28/10/2020	50.2	56.9	54	46
16:07 28/10/2020	59.2	73	63	46
16:08	53	60.5	56	49
28/10/2020 16:09	51	63.1	55	46
28/10/2020 16:10	47.6	53.5	50	46
28/10/2020 16:11	47.9	57	50	45
28/10/2020	57.1	66.1	61	47
16:12				

28/10/2020	48.4	60.5	51	46
16:13 28/10/2020				
16:14 28/10/2020	50.4	62.3	55	46
16:15	48.2	54.7	50	46
28/10/2020 16:16	59.2	71.2	63	49
28/10/2020 16:17	52.8	70.1	51	47
28/10/2020 16:18	64.8	75.3	70	49
28/10/2020 16:19	59.6	72.4	64	48
28/10/2020 16:20	52.2	59.3	56	46
28/10/2020 16:21	64.6	73.9	69	51
28/10/2020	53.6	70.8	56	46
16:22 28/10/2020	63.7	74.1	68	49
16:23 28/10/2020	50	58.9	55	46
16:24 28/10/2020	58.4	68.9	63	46
16:25 28/10/2020				
16:26 28/10/2020	61.5	73	66	46
16:27 28/10/2020	46.3	57	47	44
16:28	45.6	50	46	45
28/10/2020 16:29	44.7	47.3	45	44
28/10/2020 16:30	44.7	46.7	45	44
28/10/2020 16:31	44.8	47	46	44
28/10/2020 16:32	45.1	49.8	46	44
28/10/2020 16:33	61.7	72.2	66	46
28/10/2020 16:34	49.6	61.3	53	46
28/10/2020 16:35	55.4	67.7	61	45
28/10/2020	55.9	67	62	45
16:36 28/10/2020	45.1	51.7	46	44
16:37 28/10/2020	44.8	47.4	45	44
16:38 28/10/2020	44.8	50.5	45	44
16:39 28/10/2020	44.8	46.3	45	44
16:40 28/10/2020				
16:41 28/10/2020	46	48.6	47	45
16:42 28/10/2020	47.5	53.1	50	45
16:43	57	67.6	61	47
28/10/2020 16:44	51	60.6	53	47
28/10/2020 16:45	58.9	70.1	64	47
28/10/2020 16:46	55.1	66.4	60	46
28/10/2020 16:47	47.1	53.9	48	46
28/10/2020 16:48	54.9	70.2	56	45
28/10/2020 16:49	61.6	73	66	48
16:49				

28/10/2020	50.9	64.6	54	46
16:50 28/10/2020	57.3	68.3	62	47
16:51 28/10/2020				
16:52 28/10/2020	64.9	75.9	69	53
16:53 28/10/2020	48.3	56.2	51	45
16:54	55.5	67.7	60	46
28/10/2020 16:55	53.5	65.1	58	46
28/10/2020 16:56	60.5	71.1	65	52
28/10/2020 16:57	56	68.9	59	47
28/10/2020 16:58	59.6	70.9	65	47
28/10/2020 16:59	58	66.5	63	48
28/10/2020	49.8	57.6	53	45
17:00 28/10/2020	57.9	68.6	62	46
17:01 28/10/2020	54.4	68.3	58	45
17:02 28/10/2020			66	47
17:03 28/10/2020	61.8	72.7		
17:04 28/10/2020	50.7	64.9	54	45
17:05 28/10/2020	65.4	75.3	70	49
17:06	45.7	48.9	47	45
28/10/2020 17:07	57.6	67.3	62	47
28/10/2020 17:08	50.5	60.6	53	45
28/10/2020 17:09	57.2	67.1	61	46
28/10/2020 17:10	58.1	68.2	63	46
28/10/2020 17:11	51.1	60.3	55	45
28/10/2020 17:12	62.1	71.3	67	51
28/10/2020 17:13	45.6	48.4	46	45
28/10/2020	57	67.8	62	46
17:14 28/10/2020	48.7	56	52	45
17:15 28/10/2020	64.6	73.2	69	54
17:16 28/10/2020	47.8	59.2	49	46
17:17 28/10/2020	50.4	61	54	45
17:18 28/10/2020				
17:19 28/10/2020	58	69	62	46
17:20 28/10/2020	47.5	53.9	50	45
17:21	63.5	73.2	67	52
28/10/2020 17:22	46.8	52.9	49	45
28/10/2020 17:23	57.7	70.7	62	44
28/10/2020 17:24	60.7	72.1	66	45
28/10/2020 17:25	57	65.5	62	46
28/10/2020 17:26	50.9	59.9	56	45

28/10/2020	51.5	62	56	45
17:27 28/10/2020	59.3	68.7	64	46
17:28 28/10/2020 17:29	46	50.7	47	44
28/10/2020 17:30	44.6	52.7	46	43
28/10/2020	47.9	61.1	52	44
17:31 28/10/2020	59.7	69.3	64	49
17:32 28/10/2020	46.1	52.8	48	45
17:33 28/10/2020	44.6	48.8	45	44
17:34 28/10/2020	44.9	49.8	45	44
17:35 28/10/2020	45.7	47.5	46	45
17:36 28/10/2020	45.5	47.1	46	45
17:37 28/10/2020 17:38	45.5	48.1	47	45
28/10/2020 17:39	45.2	47.9	46	44
28/10/2020 17:40	45.2	47.1	46	44
28/10/2020 17:41	54.3	65.9	60	44
28/10/2020 17:42	66.7	75.9	71	55
28/10/2020 17:43	47.3	54.6	49	46
28/10/2020 17:44	45	47.2	46	44
28/10/2020 17:45	58.3	70.2	62	46
28/10/2020 17:46	49.1	58.5	51	46
28/10/2020 17:47	49.7	58.5	54	45
28/10/2020 17:48	62.9	72.9	68	49
28/10/2020 17:49	46.2	49.5	47	45
28/10/2020 17:50	49.5	70.3	47	45
28/10/2020 17:51	48.5	61.4	52	45
28/10/2020 17:52	58.3	69.3	63	46
28/10/2020 17:53	46	49.7	47	45
28/10/2020 17:54	46.2	49.9	47	45
28/10/2020 17:55	55.4	66	60	46
28/10/2020 17:56	51.9	63	56	46
28/10/2020 17:57	48	55.6	52	44
28/10/2020 17:58	59.6	69.4	64	48
28/10/2020 17:59	46.4	49.4	47	45
28/10/2020 18:00	49.1	60.4	52	45
28/10/2020 18:01	56.7	67.6	61	46
28/10/2020 18:02	57.3	67.9	63	46
28/10/2020 18:03	54.2	65.6	59	46

28/10/2020	65.4	75.6	71	45
18:04 28/10/2020	62	75.8	67	48
18:05 28/10/2020	46.3	51.5	47	45
18:06 28/10/2020	58.6	70.2	63	49
18:07 28/10/2020				
18:08 28/10/2020	52	62.6	56	46
18:09	57.4	70	63	47
28/10/2020 18:10	57.5	67.7	62	47
28/10/2020 18:11	51.4	61	55	47
28/10/2020 18:12	62.3	72.9	67	47
28/10/2020 18:13	63.7	73.2	68	47
28/10/2020 18:14	52.9	65.4	57	46
28/10/2020 18:15	54.9	68.6	57	45
28/10/2020 18:16	61.3	71.7	67	47
28/10/2020	58.4	68.6	63	47
18:17 28/10/2020	48.9	59	51	46
18:18 28/10/2020	61.4	74.7	65	50
18:19 28/10/2020				
18:20 28/10/2020	46.6	58.4	48	45
18:21 28/10/2020	58	69	62	50
18:22 28/10/2020	53.4	65.2	58	47
18:23	62.6	72.5	67	51
28/10/2020 18:24	46.2	51.6	48	44
28/10/2020 18:25	60.4	72.3	65	46
28/10/2020 18:26	51.5	63.4	55	45
28/10/2020 18:27	57.8	69.3	63	45
28/10/2020 18:28	53.2	63.3	58	46
28/10/2020 18:29	57	66.9	61	48
28/10/2020 18:30	48	54.5	50	46
28/10/2020	45.5	47.8	46	45
18:31 28/10/2020	45	47.7	46	44
18:32 28/10/2020	45.4	48.9	47	44
18:33 28/10/2020				
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18:35 28/10/2020	45.4	51	46	44
18:36 28/10/2020	45.9	49.2	47	45
18:37	48.1	55.6	50	46
28/10/2020 18:38	46.7	52.5	49	44
28/10/2020 18:39	44.5	47.7	45	44
28/10/2020 18:40	44.8	46.9	46	44

28/10/2020	60.7	71.4	66	45
18:41 28/10/2020	57	67.9	62	46
18:42 28/10/2020	45.6	47.8	46	45
18:43 28/10/2020	44.5	46.5	45	44
18:44 28/10/2020				
18:45 28/10/2020	44	47.1	45	43
18:46 28/10/2020	44.7	46.5	46	44
18:47 28/10/2020	45.2	47.7	46	44
18:48	45.1	47.1	46	44
28/10/2020 18:49	45.2	46.5	46	44
28/10/2020 18:50	53.1	63	58	45
28/10/2020 18:51	59.1	68.8	64	47
28/10/2020 18:52	46	48	47	45
28/10/2020 18:53	45.1	47.9	47	44
28/10/2020 18:54	44.9	57.2	46	43
28/10/2020 18:55	45.1	46.8	46	44
28/10/2020 18:56	44.3	50.5	45	43
28/10/2020 18:57	45.7	53.1	47	44
28/10/2020 18:58	44.5	46.4	45	44
28/10/2020 18:59	43.6	45.1	44	43
28/10/2020 19:00	44.1	45.9	45	43
28/10/2020 19:01	44.5	48.6	46	43
28/10/2020 19:02	44.5	46.7	45	44
28/10/2020 19:03	43.8	45.2	44	43
28/10/2020	44.4	45.8	45	44
19:04 28/10/2020	44.9	52	46	43
19:05 28/10/2020	44.2	45.7	45	43
19:06 28/10/2020	44.6	46	45	44
19:07 28/10/2020	52.6	66.2	56	45
19:08 28/10/2020	61	72.1	66	47
19:09 28/10/2020	46.7	53.9	49	45
19:10 28/10/2020	58.8	70.2	63	50
19:11 28/10/2020	46.6	50.2	48	46
19:12 28/10/2020	45.5	53.1	46	44
19:13 28/10/2020				
19:14 28/10/2020	45.4	50.6	46	44
19:15 28/10/2020	68	79.2	73	47
19:16 28/10/2020	56.5	66.6	62	47
19:17	46.4	59.9	47	45

28/10/2020	58	69.9	63	47
19:18 28/10/2020	48.4	57.4	52	45
19:19 28/10/2020				
19:20 28/10/2020	64.7	74.2	69	47
19:21 28/10/2020	55.8	66.9	61	46
19:22	46.7	52.8	48	45
28/10/2020 19:23	57.2	68.6	61	49
28/10/2020 19:24	47.3	52.6	50	45
28/10/2020 19:25	58.9	69.8	63	46
28/10/2020 19:26	47.9	56.2	52	45
28/10/2020 19:27	61.6	75	66	46
28/10/2020	51.3	60.9	54	47
19:28 28/10/2020	68.4	79.4	74	47
19:29 28/10/2020	59.3	69.9	65	49
19:30 28/10/2020	49.9	57.3	52	48
19:31 28/10/2020				
19:32 28/10/2020	58.2	70	62	49
19:33 28/10/2020	49.2	58	51	47
19:34	58.6	71.4	63	48
28/10/2020 19:35	48.1	56.6	51	44
28/10/2020 19:36	57.8	67.5	62	49
28/10/2020 19:37	47.6	53.7	50	45
28/10/2020 19:38	58	68.6	62	49
28/10/2020 19:39	45.5	50.4	47	44
28/10/2020 19:40	54.9	68.3	58	45
28/10/2020 19:41	57.8	68.9	63	47
28/10/2020	47.2	50.7	49	45
19:42 28/10/2020	45.6	47.8	46	45
19:43 28/10/2020	46.4	48	47	46
19:44 28/10/2020	55.6	67.9	60	46
19:45 28/10/2020	63.2	73.4	68	48
19:46 28/10/2020				
19:47 28/10/2020	46.1	49.6	47	45
19:48 28/10/2020	55.5	66.7	61	46
19:49	53.8	63	58	45
28/10/2020 19:50	45	46.7	46	44
28/10/2020 19:51	46.5	52.4	48	45
28/10/2020 19:52	58.9	69.5	64	45
28/10/2020 19:53	55.3	67.8	59	45
28/10/2020 19:54	44.3	45.9	45	43
	I		I	

28/10/2020	44.2	46.9	45	43
19:55 28/10/2020	44.2	46.9	45	43
19:56	55.7	64.2	59	47
28/10/2020 19:57	45.8	54.5	50	42
28/10/2020 19:58	43.4	45.2	44	42
28/10/2020	43.5	49.7	45	42
19:59 28/10/2020	44.4	49.7	47	42
20:00 28/10/2020	60	71.8	64	47
20:01 28/10/2020				
20:02 28/10/2020	45.6	52.8	48	42
20:03	43.4	48	45	42
28/10/2020 20:04	44.2	48.7	45	43
28/10/2020 20:05	44.5	49.5	45	43
28/10/2020 20:06	43.8	46.6	45	43
28/10/2020 20:07	44.1	47.1	45	43
28/10/2020	44	48.2	45	43
20:08 28/10/2020	43.9	48.2	45	43
20:09 28/10/2020				
20:10 28/10/2020	43.7	45.4	44	43
20:11	44.7	47.4	46	44
28/10/2020 20:12	44.4	48.8	45	44
28/10/2020 20:13	49.8	57.1	54	45
28/10/2020 20:14	50.6	62.9	55	44
28/10/2020 20:15	62.2	73.4	67	48
28/10/2020 20:16	44.7	48.8	47	43
28/10/2020	44.3	48.1	46	43
20:17 28/10/2020	43.1	47.4	44	42
20:18 28/10/2020	43		44	
20:19 28/10/2020		44.6		42
20:20	45.9	55.2	49	43
20:21	53.3	64.1	58	44
28/10/2020 20:22	58.6	70.4	64	46
28/10/2020 20:23	46.9	57.1	50	43
28/10/2020 20:24	60.3	72.7	64	47
28/10/2020	45.2	49.4	47	44
20:25	64.1	73.5	69	45
20:26 28/10/2020	52.8	65.2	56	44
20:27 28/10/2020				
20:28	43.9	46.1	45	43
20:29	43.4	45.7	45	42
28/10/2020 20:30	43.2	48.4	45	42
28/10/2020 20:31	42.1	43.6	43	41

28/10/2020	42.8	44.7	43	42
20:32				
20:33	44.2	52.6	45	42
28/10/2020 20:34	48	55.4	51	45
28/10/2020 20:35	42.8	46.3	44	42
28/10/2020	42.8	44.4	43	42
20:36 28/10/2020	43.1	44.8	44	42
20:37				
20:38 28/10/2020	44.5	49.5	45	43
20:39	44.3	47.9	46	43
28/10/2020 20:40	45	54.6	47	43
28/10/2020 20:41	49.9	63.7	54	43
28/10/2020 20:42	55.8	66	60	46
28/10/2020	45.1	48.5	46	44
20:43				
20:44 28/10/2020	51.1	59.2	56	43
20:45	66.2	76.3	71	48
28/10/2020 20:46	45.7	50	48	44
28/10/2020 20:47	43.2	46.6	44	42
28/10/2020 20:48	42.4	44.4	43	42
28/10/2020	50.8	69.8	44	42
20:49 28/10/2020	58.2	68.2	63	42
20:50 28/10/2020				
20:51	48.7	58	52	44
28/10/2020 20:52	46.6	53.5	49	44
28/10/2020 20:53	42.8	47.5	44	41
28/10/2020 20:54	41.9	43.9	43	41
28/10/2020	42.4	44.2	43	42
20:55 28/10/2020	41.5	43.4	42	41
20:56 28/10/2020				
20:57 28/10/2020	42.5	47.5	44	41
20:58	46.9	58	50	42
28/10/2020 20:59	47.6	59.2	52	42
28/10/2020 21:00	42.5	44.1	43	42
28/10/2020 21:01	44	49.5	46	42
28/10/2020	42.9	52.2	44	41
21:02 28/10/2020	41.3	43.8	42	41
21:03 28/10/2020				
21:04 28/10/2020	41.9	43.6	43	41
21:05	42.4	44.7	44	42
28/10/2020 21:06	41.7	43.3	42	41
28/10/2020 21:07	41.9	43.7	43	41
28/10/2020	41.8	43.9	43	41
21:08	_			

28/10/2020	42.4	44.6		
21:09	42.4	44.6	43	42
28/10/2020 21:10	65.2	74.1	70	44
28/10/2020 21:11	57.4	74.3	61	44
28/10/2020 21:12	43.5	46.4	45	42
28/10/2020	55.7	66.3	61	43
21:13 28/10/2020	53.1	62.5	58	44
21:14 28/10/2020				
21:15 28/10/2020	43.9	46.5	45	43
21:16	42.8	46.9	44	41
28/10/2020 21:17	42.9	47	44	42
28/10/2020 21:18	63.4	74.4	68	43
28/10/2020 21:19	51.6	62	57	44
28/10/2020	44.4	49.7	46	43
21:20	42.2	45	43	42
21:21 28/10/2020	43.1	47.3	44	42
21:22 28/10/2020				
21:23 28/10/2020	43.8	54.7	44	43
21:24	43.1	47.9	44	42
28/10/2020 21:25	42.8	46.4	44	42
28/10/2020 21:26	42.3	48.8	43	41
28/10/2020 21:27	41.6	50.6	42	41
28/10/2020 21:28	42.5	45.2	44	41
28/10/2020	43.7	47.8	45	42
21:29 28/10/2020	43.1	45.3	44	42
21:30 28/10/2020				
21:31 28/10/2020	42.6	43.9	43	42
21:32 28/10/2020	42.1	46.2	43	41
21:33	42.2	43.6	43	42
28/10/2020 21:34	43.7	52.8	45	41
28/10/2020 21:35	42.8	47.1	44	41
28/10/2020 21:36	42.4	46.3	43	41
28/10/2020 21:37	42.1	48.2	43	41
28/10/2020	42.6	47.8	43	42
21:38 28/10/2020	44.1	49	45	43
21:39 28/10/2020				
21:40 28/10/2020	44.1	51.5	45	43
21:41	43.3	45.5	44	42
28/10/2020 21:42	43.6	47.2	45	42
28/10/2020 21:43	44.7	49.6	47	42
28/10/2020 21:44	42.9	45.3	44	42
28/10/2020	43.1	44.9	44	42
21:45				

21:46 28/10/2020 21:47 28/10/2020 21:48 28/10/2020 21:49 28/10/2020	42.9 43.5 43.6 44	46.6	44	43
28/10/2020 21:48 28/10/2020 21:49	43.6			43
28/10/2020 21:49	44	40.3		42
21:49			45	42
(6/11///11/11		49.3	45	43
21:50	60	72.1	64	49
28/10/2020 21:51	46.3	63	47	43
28/10/2020 21:52	44.4	62.6	44	42
28/10/2020 21:53	44.5	51.4	47	42
28/10/2020 21:54	44.8	50.6	46	42
28/10/2020 21:55	42.7	45.1	44	42
28/10/2020 21:56	43.2	45.2	44	42
28/10/2020 21:57	42.1	47.2	43	41
28/10/2020 21:58	42.7	45.5	44	41
28/10/2020 21:59	44.9	50.7	47	43
28/10/2020 22:00	43.6	47.1	45	43
28/10/2020 22:01	42.8	45.1	44	42
28/10/2020 22:02	43.1	46.7	44	42
28/10/2020	41.8	44.5	43	41
22:03 28/10/2020	42.7	44.6	44	41
22:04 28/10/2020	42.5	47	44	41
22:05 28/10/2020	47.8	54.1	51	44
22:06 28/10/2020	42.2	46.7	43	41
22:07	42.5	44.6	43	42
22:08	43	45.6	44	42
22:09 28/10/2020	44.6	53.9	46	43
22:10 28/10/2020	43.7	50.5	46	41
22:11 28/10/2020				
22:12 28/10/2020	42.9	45.2	44	42
22:13 28/10/2020	42.9	47.4	44	42
22:14 28/10/2020	43.2	46.4	44	42
28/10/2020 22:15 28/10/2020	42.4	44.1	43	42
22:16	42.7	45.2	44	41
28/10/2020 22:17	42.7	47.8	44	42
28/10/2020 22:18	41.4	43.8	42	41
28/10/2020 22:19	42.4	45.7	44	41
28/10/2020 22:20	43	45.4	44	42
28/10/2020 22:21	43.3	46.5	44	42
28/10/2020 22:22	42.5	44.7	44	42

28/10/2020 28/210/	28/10/2020	42.9	44.7	44	42
28/10/2020 28/10/2020 22:26 41.4 43.8 42 40 28/10/2020 22:27 40.9 43.3 47.1 46 41 28/10/2020 22:28 43.3 47.1 46 41 28/10/2020 41.5 44.6 43 40 28/10/2020 41.5 41.4 41 39 28/10/2020 22:30 40.2 41.4 41 39 28/10/2020 22:31 40.3 43.2 41 39 28/10/2020 22:33 41 42.6 42 40 28/10/2020 22:33 41 42.6 42 40 28/10/2020 22:33 41 42.6 42 40 28/10/2020 22:35 58.9 69.4 64 49 28/10/2020 22:35 58.9 69.4 64 49 28/10/2020 22:36 50.6 60.9 56 43 28/10/2020 22:38 41.1 44.3 43 40 28/10/2020 22:38 41.4 44.4 42 40 28/10/2020 22:38 41.4 44.4 42 40 28/10/2020 22:38 41.4 44.4 42 40 28/10/2020 22:38 41.4 44.4 42 40 28/10/2020 22:38 41.4 44.8 42 40 28/10/2020 22:38 41.4 44.8 42 40 28/10/2020 22:40 41 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 40.7 43.8 42 40 28/10/2020 22:44 43.8 51.5 46 42 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 43.4 51.5 47 40 28/10/2020 22:45 40.7 42.9 42.4 40 28/10/2020 22:45 40.4 42.7 42.9 42.4 40 28/10/2020 22:45 40.4 42.7 42.9 42.4 40 28/10/2020 22:48 40.4 42.7 42.9 42.4 40 28/10/2020 22:48 40.4 41.4 40 28/10/2020 22:49 40.7 42.9 42.4 40 28/10/2020 22:45 40.7 41.2 42.9 40.7 42.9 42.4 40 28/10/2020 22:45 40.7 41.8 41.9 40 28/10/2020 22:45 40.7 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9					
28/10/2020 21:26 41.4 43.8 42 40 28/10/2020 21:27 40.9 43.3 42 40 28/10/2020 21:28 43.3 47.1 46 41 28/10/2020 21:28 41.5 44.6 43 40 28/10/2020 21:29 41.5 44.6 43 40 28/10/2020 21:30 40.2 41.4 41 39 28/10/2020 21:31 40.3 43.2 41 39 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:33 41 42.6 43 40 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:33 41 42.6 42 40 28/10/2020 21:35 58.9 69.4 64 49 28/10/2020 21:35 50.6 60.9 56 43 28/10/2020 21:38 41.1 44.3 43 40 28/10/2020 21:38 41.4 44.4 42 40 28/10/2020 21:38 41.4 44.4 42 40 28/10/2020 21:38 41.4 44.4 42 40 28/10/2020 21:40 41 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 41.4 42.8 42 40 28/10/2020 40.7 43.8 41.5 41 40 28/10/2020 21:43 40.7 44.8 42 42 40 28/10/2020 21:43 40.7 44.8 42 42 40 28/10/2020 21:44 43.8 51.5 46 42 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 43.4 51.5 47 40 28/10/2020 21:45 40.4 41.2 42.4 40 28/10/2020 21:45 40.4 41.3 41.3 41 40 28/10/2020 21:48 40.4 41.4 42.4 40 40 40 41.4 41.4 42 40 40 40 40 41.4 41.4 41.4 42 40 40 40 41.4 41.4 41.4 42 42 40 40 40 40 40 40 40 40 40 40 40 40 40	22:24	42.4	45.3	43	41
22:26	22:25	42.6	47	44	41
22:27         40.9         43.3         42         40           28/10/2020         22:28         43.3         47.1         46         41           28/10/2020         22:29         41.5         44.6         43         40           28/10/2020         40.2         41.4         41         39           28/10/2020         41.3         47.6         43         40           28/10/2020         41.3         47.6         43         40           28/10/2020         22:33         41         42.6         42         40           28/10/2020         22:34         41.8         45.4         43         40           28/10/2020         22:35         58.9         69.4         64         49           28/10/2020         22:36         50.6         60.9         56         43           28/10/2020         22:38         41.1         44.3         43         40           28/10/2020         22:39         41.4         44         42         40           28/10/2020         22:40         41         42.8         42         40           28/10/2020         22:41         40.3         41.5         41         40		41.4	43.8	42	40
28/10/2020         21:28         43.3         47.1         46         41           28/10/2020         21:29         41.5         44.6         43         40           28/10/2020         22:30         40.2         41.4         41         39           28/10/2020         40.3         43.2         41         39           28/10/2020         22:31         47.6         43         40           28/10/2020         22:33         41         42.6         42         40           28/10/2020         22:33         41.8         45.4         43         40           28/10/2020         22:35         58.9         69.4         64         49           28/10/2020         22:36         50.6         60.9         56         43           28/10/2020         22:38         40.8         44.4         42         40           28/10/2020         22:38         40.8         44.4         42         40           28/10/2020         22:40         41         42.8         42         40           28/10/2020         22:41         40.3         41.5         41         40           28/10/2020         22:42         40.7         <		40.9	43.3	42	40
28/10/2020 22:30         41.5         44.6         43         40           28/10/2020 22:30         40.2         41.4         41         39           28/10/2020 22:31         40.3         43.2         41         39           28/10/2020 22:32         41.3         47.6         43         40           28/10/2020 22:34         41.8         45.4         43         40           28/10/2020 22:35         58.9         69.4         64         49           28/10/2020 22:36         50.6         60.9         56         43           28/10/2020 22:37         41.1         44.3         42         40           28/10/2020 22:38         40.8         44.4         42         40           28/10/2020 22:39         41.4         44         42         40           28/10/2020 22:40         41         42.8         42         40           28/10/2020 22:40         40.7         43.8         42         40           28/10/2020 22:41         40.3         41.5         41         40           28/10/2020 22:42         40.7         43.8         51         46         42           28/10/2020 22:44         43.4         51.5         47	28/10/2020	43.3	47.1	46	41
28/10/2020         22:30         40.2         41.4         41         39           28/10/2020         22:31         40.3         43.2         41         39           28/10/2020         22:32         41.3         47.6         43         40           28/10/2020         22:33         41         42.6         42         40           28/10/2020         22:35         58.9         69.4         64         49           28/10/2020         22:35         59.6         60.9         56         43           28/10/2020         22:36         50.6         60.9         56         43           28/10/2020         22:37         41.1         44.3         43         40           28/10/2020         22:38         40.8         44.4         42         40           28/10/2020         41.4         44         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         40.3         41.5         41         40           28/10/2020         40.7         43.8         42         40           28/10/2020         22:42         40.7         43.8         42         40	28/10/2020	41.5	44.6	43	40
28/10/2020         40.3         43.2         41         39           28/10/2020         41.3         47.6         43         40           28/10/2020         41.3         47.6         43         40           28/10/2020         22:33         41         42.6         42         40           28/10/2020         22:34         41.8         45.4         43         40           28/10/2020         22:35         58.9         69.4         64         49           28/10/2020         22:35         50.6         60.9         56         43           28/10/2020         22:34         41.1         44.3         43         40           28/10/2020         22:34         40.8         44.4         42         40           28/10/2020         41         42.8         42         40           28/10/2020         41         42.8         42         40           28/10/2020         41.4         44.8         42         40           28/10/2020         40.7         43.8         42         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5 <td>28/10/2020</td> <td>40.2</td> <td>41.4</td> <td>41</td> <td>39</td>	28/10/2020	40.2	41.4	41	39
28/10/2020         41.3         47.6         43         40           28/10/2020         22:33         41         42.6         42         40           28/10/2020         22:34         41.8         45.4         43         40           28/10/2020         22:35         58.9         69.4         64         49           28/10/2020         22:36         50.6         60.9         56         43           28/10/2020         41.1         44.3         43         40           28/10/2020         42:38         44.4         42         40           28/10/2020         41.4         44         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         42.43         41.5         41         40           28/10/2020         22.43         43.4         51.5         47 </td <td>28/10/2020</td> <td>40.3</td> <td>43.2</td> <td>41</td> <td>39</td>	28/10/2020	40.3	43.2	41	39
22:32         41         42.6         42         40           28/10/2020         22:33         41         42.6         42         40           28/10/2020         22:34         41.8         45.4         43         40           28/10/2020         58.9         69.4         64         49           28/10/2020         22:36         50.6         60.9         56         43           28/10/2020         41.1         44.3         43         40           28/10/2020         41.4         44         42         40           28/10/2020         41         42.8         42         40           28/10/2020         22:41         40.3         41.5         41         40           28/10/2020         22:42         40.7         43.8         42         40           28/10/2020         22:43         40.7         44.8         42         39           28/10/2020         22:44         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         48.6         46         40           28/10/2020         42.4	28/10/2020		47.6		
22:33 28/10/2020 22:34 41.8 45.4 43 40  28/10/2020 22:35 58.9 69.4 64 49  28/10/2020 22:36 50.6 60.9 56 43  28/10/2020 22:37 41.1 44.3 43 40  28/10/2020 22:38 40.8 44.4 42 40  28/10/2020 22:39 41.4 44 42 40  28/10/2020 22:40 41 42.8 42 40  28/10/2020 22:41 40.3 41.5 41 40  28/10/2020 22:42 40.7 43.8 42 40  28/10/2020 22:43 40.7 44.8 42 39  28/10/2020 22:44 43.8 51 46 42 28/10/2020 22:45 43.4 51.5 47 40  28/10/2020 22:46 43 48.6 46 40  28/10/2020 22:46 43 48.6 46 40  28/10/2020 22:47 41.2 44.2 42 40  28/10/2020 22:48 40.4 43.3 41.3 39  28/10/2020 22:49 40.7 42.9 42.4 40  28/10/2020 22:49 40.7 42.9 42.4 40  28/10/2020 22:49 40.7 42.9 42.4 40  28/10/2020 22:49 40.7 42.9 42.4 40  28/10/2020 22:49 40.7 42.9 42.4 40  28/10/2020 22:50 40.4 42.7 46.2 45.9 40 40  28/10/2020 22:51 42.7 46.2 45.9 44 40  28/10/2020 22:53 43.8 47.2 46 41 40  28/10/2020 22:55 42 45.9 44 40  28/10/2020 22:55 42 45.9 44 40  28/10/2020 22:55 40.4 41.6 41 40  28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:55 40.7 43.4 41 40 28/10/2020 22:58 42.4 45.6 44 41	28/10/2020				
28/10/2020         58.9         69.4         64         49           28/10/2020         50.6         60.9         56         43           28/10/2020         41.1         44.3         43         40           28/10/2020         40.8         44.4         42         40           28/10/2020         41.4         44         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         40.3         41.5         41         40           28/10/2020         22:41         40.7         43.8         42         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         48.6         46         40           28/10/2020         41.2         44.2         42         40           28/10/2020         40.4         43.3         41         39           28/10/2020         40.4	28/10/2020				
22:35         58.9         69.4         64         49           28/10/2020         22:36         50.6         60.9         56         43           28/10/2020         22:37         41.1         44.3         43         40           28/10/2020         40.8         44.4         42         40           28/10/2020         41.4         44         42         40           28/10/2020         41.4         42.8         42         40           28/10/2020         40.3         41.5         41         40           28/10/2020         40.7         43.8         42         40           28/10/2020         43.8         51         46         42           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         48.6         46         40           28/10/2020         43.4         43.3         41         39           28/10/2020         40.4         43.3         41         39           28/10/2020         40.4         42.9         42         40           28/10/2020					
22:36         50.6         60.9         56         43           28/10/2020         41.1         44.3         43         40           28/10/2020         22:38         40.8         44.4         42         40           28/10/2020         22:39         41.4         44         42         40           28/10/2020         41         42.8         42         40           28/10/2020         22:41         40.3         41.5         41         40           28/10/2020         22:42         40.7         43.8         42         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         51.5         47         40           28/10/2020         43.4         48.6         46         40           28/10/2020         43.4         48.6         46         40           28/10/2020         41.2         44.2         42         40           28/10/2020         40.4         43.3         41         39           28/10/2020         40.4         42.7         42         39 </td <td>22:35</td> <td></td> <td></td> <td></td> <td></td>	22:35				
22:37         41.1         44.3         43         40           28/10/2020 22:38         40.8         44.4         42         40           28/10/2020 22:40         41.4         44         42         40           28/10/2020 22:41         40.3         41.5         41         40           28/10/2020 22:42         40.7         43.8         42         40           28/10/2020 22:43         40.7         44.8         42         39           28/10/2020 22:44         43.8         51         46         42           28/10/2020 22:45         43.4         51.5         47         40           28/10/2020 22:46         43         48.6         46         40           28/10/2020 22:47         41.2         44.2         42         40           28/10/2020 22:48         40.4         43.3         41         39           28/10/2020 22:59         40.4         42.7         42         39           28/10/2020 22:51         42.7         46.2         45         40           28/10/2020 22:53         43.8         47.2         46         41         40           28/10/2020 22:55         40.4	22:36	50.6	60.9	56	43
22:38       40.8       44.4       42       40         28/10/2020 22:40       41.4       44       42       40         28/10/2020 22:41       40.3       41.5       41       40         28/10/2020 22:42       40.7       43.8       42       40         28/10/2020 	22:37	41.1	44.3	43	40
22:39       41.4       44       42       40         28/10/2020       41       42.8       42       40         28/10/2020       40.3       41.5       41       40         28/10/2020       40.7       43.8       42       40         28/10/2020       40.7       44.8       42       39         28/10/2020       43.8       51       46       42         28/10/2020       43.4       51.5       47       40         28/10/2020       43       48.6       46       40         28/10/2020       41.2       44.2       42       40         28/10/2020       41.2       44.2       42       40         28/10/2020       40.4       43.3       41       39         28/10/2020       40.7       42.9       42       40         28/10/2020       40.4       42.7       42       39         28/10/2020       40.4       42.7       42       39         28/10/2020       42       45.9       44       40         28/10/2020       42.4       45.9       44       40         28/10/2020       40.4       42.4       41       40		40.8	44.4	42	40
22:40       41       42.8       42       40         28/10/2020       40.3       41.5       41       40         28/10/2020       40.7       43.8       42       40         28/10/2020       40.7       44.8       42       39         28/10/2020       43.8       51       46       42         28/10/2020       43.4       51.5       47       40         28/10/2020       43       48.6       46       40         28/10/2020       43       48.6       46       40         28/10/2020       40.4       43.3       41       39         28/10/2020       40.4       43.3       41       39         28/10/2020       40.4       42.7       42       40         28/10/2020       40.4       42.7       42       39         28/10/2020       40.4       42.7       42       39         28/10/2020       42.4       45.9       44       40         28/10/2020       42       45.9       44       40         28/10/2020       42.4       45.9       44       40         28/10/2020       42.5       45.9       44       40		41.4	44	42	40
22:41     40.3     41.5     41     40       28/10/2020 22:42     40.7     43.8     42     40       28/10/2020 22:43     40.7     44.8     42     39       28/10/2020 22:44     43.8     51     46     42       28/10/2020 22:45     43.4     51.5     47     40       28/10/2020 22:46     43     48.6     46     40       28/10/2020 22:47     41.2     44.2     42     40       28/10/2020 22:48     40.4     43.3     41     39       28/10/2020 22:49     40.7     42.9     42     40       28/10/2020 22:50     40.4     42.7     42     39       28/10/2020 22:51     42.7     46.2     45     40       28/10/2020 22:53     43.8     47.2     46     41       28/10/2020 22:55     40.4     42     41     40       28/10/2020 22:55     40.6     42.4     41     40       28/10/2020 22:55     40.2     41.6     41     39       28/10/2020 22:55     40.7     43.4     41     40       28/10/2020 22:58     40.7     43.4     41     40       28/10/2020 22:58     42.4     45.6		41	42.8	42	40
28/10/2020       40.7       43.8       42       40         28/10/2020       40.7       44.8       42       39         28/10/2020       43.8       51       46       42         28/10/2020       43.4       51.5       47       40         28/10/2020       43       48.6       46       40         28/10/2020       41.2       44.2       42       40         28/10/2020       40.4       43.3       41       39         28/10/2020       40.4       42.7       42.9       42       40         28/10/2020       40.4       42.7       42       39         28/10/2020       40.4       42.7       42       39         28/10/2020       42.4       45.9       44       40         28/10/2020       42       45.9       44       40         28/10/2020       43.8       47.2       46       41         28/10/2020       43.8       47.2       46       41         28/10/2020       40.4       42       41       40         28/10/2020       40.6       42.4       41       40         28/10/2020       40.6       42.4       4		40.3	41.5	41	40
28/10/2020 22:43       40.7       44.8       42       39         28/10/2020 22:44       43.8       51       46       42         28/10/2020 22:45       43.4       51.5       47       40         28/10/2020 22:46       43       48.6       46       40         28/10/2020 22:47       41.2       44.2       42       40         28/10/2020 22:48       40.4       43.3       41       39         28/10/2020 22:49       40.7       42.9       42       40         28/10/2020 22:50       40.4       42.7       42       39         28/10/2020 22:51       42.7       46.2       45       40         28/10/2020 22:52       42       45.9       44       40         28/10/2020 22:53       43.8       47.2       46       41         28/10/2020 22:55       40.4       42       41       40         28/10/2020 22:55       40.6       42.4       41       40         28/10/2020 22:55       40.2       41.6       41       39         28/10/2020 22:55       40.7       43.4       41       40         28/10/2020 22:58       42.4       45	28/10/2020	40.7	43.8	42	40
28/10/2020 22:44       43.8       51       46       42         28/10/2020 22:45       43.4       51.5       47       40         28/10/2020 22:46       43       48.6       46       40         28/10/2020 22:47       41.2       44.2       42       40         28/10/2020 22:48       40.4       43.3       41       39         28/10/2020 22:49       40.7       42.9       42       40         28/10/2020 22:50       40.4       42.7       42       39         28/10/2020 22:51       42.7       46.2       45       40         28/10/2020 22:53       42       45.9       44       40         28/10/2020 22:53       43.8       47.2       46       41         28/10/2020 22:54       40.4       42       41       40         28/10/2020 22:55       40.6       42.4       41       40         28/10/2020 22:56       40.2       41.6       41       39         28/10/2020 22:58       40.7       43.4       41       40         28/10/2020 22:58       42.4       45.6       44       41         28/10/2020 22:58       42.4       45	28/10/2020	40.7	44.8	42	39
28/10/2020     43.4     51.5     47     40       28/10/2020     43     48.6     46     40       28/10/2020     41.2     44.2     42     40       28/10/2020     40.4     43.3     41     39       28/10/2020     40.4     42.9     42     40       28/10/2020     40.4     42.7     42     39       28/10/2020     42.4     46.2     45     40       28/10/2020     42.7     46.2     45     40       28/10/2020     42.5     45.9     44     40       28/10/2020     43.8     47.2     46     41       28/10/2020     40.4     42     41     40       28/10/2020     40.6     42.4     41     40       28/10/2020     40.2     41.6     41     39       28/10/2020     40.7     43.4     41     40       28/10/2020     40.7     43.4     41     40       28/10/2020     42.5     45.6     44     41       28/10/2020     42.5     45.6     44     41       28/10/2020     39.6     41.7     40     39	28/10/2020	43.8	51	46	42
28/10/2020 22:46       43       48.6       46       40         28/10/2020 22:47       41.2       44.2       42       40         28/10/2020 22:48       40.4       43.3       41       39         28/10/2020 22:49       40.7       42.9       42       40         28/10/2020 22:50       40.4       42.7       42       39         28/10/2020 22:51       42.7       46.2       45       40         28/10/2020 22:53       42       45.9       44       40         28/10/2020 22:53       43.8       47.2       46       41         28/10/2020 22:54       40.4       42       41       40         28/10/2020 22:55       40.6       42.4       41       40         28/10/2020 22:56       40.2       41.6       41       39         28/10/2020 22:57       40.7       43.4       41       40         28/10/2020 22:58       42.4       45.6       44       41         28/10/2020 22:58       42.4       45.6       44       41	28/10/2020	43.4	51.5	47	40
28/10/2020 22:47       41.2       44.2       42       40         28/10/2020 22:48       40.4       43.3       41       39         28/10/2020 22:49       40.7       42.9       42       40         28/10/2020 22:50       40.4       42.7       42       39         28/10/2020 22:51       42.7       46.2       45       40         28/10/2020 22:52       42       45.9       44       40         28/10/2020 22:53       43.8       47.2       46       41         28/10/2020 22:54       40.4       42       41       40         28/10/2020 22:55       40.6       42.4       41       40         28/10/2020 22:56       40.2       41.6       41       39         28/10/2020 22:58       42.4       45.6       44       41         28/10/2020 22:58       42.4       45.6       44       41         28/10/2020 22:58       42.4       45.6       44       41	28/10/2020	43	48.6	46	40
28/10/2020       40.4       43.3       41       39         28/10/2020       40.7       42.9       42       40         28/10/2020       40.4       42.7       42       39         28/10/2020       42.7       46.2       45       40         28/10/2020       42       45.9       44       40         28/10/2020       43.8       47.2       46       41         28/10/2020       40.4       42       41       40         28/10/2020       40.4       42       41       40         28/10/2020       40.6       42.4       41       40         28/10/2020       40.2       41.6       41       39         28/10/2020       40.7       43.4       41       40         28/10/2020       42.5       45.6       44       41         28/10/2020       42.4       45.6       44       41         28/10/2020       39.6       41.7       40       39	28/10/2020	41.2	44.2	42	40
28/10/2020     40.7     42.9     42     40       28/10/2020     40.4     42.7     42     39       28/10/2020     42.7     46.2     45     40       28/10/2020     42     45.9     44     40       28/10/2020     43.8     47.2     46     41       28/10/2020     40.4     42     41     40       28/10/2020     40.6     42.4     41     40       28/10/2020     40.2     41.6     41     39       28/10/2020     40.7     43.4     41     40       28/10/2020     42.5     45.6     44     41       28/10/2020     42.5     45.6     44     41       28/10/2020     39.6     41.7     40     39	28/10/2020	40.4	43.3	41	39
28/10/2020     40.4     42.7     42     39       28/10/2020     42.5     46.2     45     40       28/10/2020     42     45.9     44     40       28/10/2020     43.8     47.2     46     41       28/10/2020     40.4     42     41     40       28/10/2020     40.6     42.4     41     40       28/10/2020     40.2     41.6     41     39       28/10/2020     40.7     43.4     41     40       28/10/2020     42.5     45.6     44     41       28/10/2020     42.5     45.6     44     41       28/10/2020     39.6     41.7     40     39	28/10/2020	40.7	42.9	42	40
28/10/2020 22:51  42.7  46.2  45  40  28/10/2020 22:52  42  45.9  44  40  28/10/2020 22:53  43.8  47.2  46  41  28/10/2020 40.4  22:54  40.4  42  41  40  28/10/2020 22:55  40.6  42.4  41  40  28/10/2020 22:56  40.2  41.6  41  39  28/10/2020 40.7  43.4  41  40  28/10/2020 22:58  42.4  45.6  44  41  40  39	28/10/2020				
28/10/2020 42 45.9 44 40 22:52 43.8 47.2 46 41  28/10/2020 40.4 42 41 40  28/10/2020 40.6 42.4 41 40  28/10/2020 40.6 42.4 41 39  28/10/2020 40.7 43.4 41 40  28/10/2020 42:58 42.4 45.6 44 41  28/10/2020 39.6 41.7 40 39					
22:52     42     45.9     44     40       28/10/2020     43.8     47.2     46     41       28/10/2020     40.4     42     41     40       28/10/2020     40.6     42.4     41     40       28/10/2020     40.2     41.6     41     39       28/10/2020     40.7     43.4     41     40       28/10/2020     42.4     45.6     44     41       28/10/2020     39.6     41.7     40     39					
22:53	22:52				
22:54 40.4 42 41 40  28/10/2020 40.6 42.4 41 40  28/10/2020 40.2 41.6 41 39  28/10/2020 40.7 43.4 41 40  28/10/2020 42:57 42.4 45.6 44 41  28/10/2020 39.6 41.7 40 39	22:53	43.8	47.2	46	41
22:55 40.6 42.4 41 40  28/10/2020 40.2 41.6 41 39  28/10/2020 40.7 43.4 41 40  28/10/2020 42:58 42.4 45.6 44 41  28/10/2020 39.6 41.7 40 39	22:54	40.4	42	41	40
22:56 40.2 41.6 41 39  28/10/2020 40.7 43.4 41 40  28/10/2020 42.4 45.6 44 41  28/10/2020 39.6 41.7 40 39	22:55	40.6	42.4	41	40
22:57 40.7 43.4 41 40 28/10/2020 42.4 45.6 44 41 28/10/2020 39.6 41.7 40 39		40.2	41.6	41	39
28/10/2020 22:58 42.4 45.6 44 41 28/10/2020 39.6 41.7 40 39		40.7	43.4	41	40
28/10/2020 39.6 41.7 40 39	28/10/2020	42.4	45.6	44	41
		39.6	41.7	40	39

28/10/2020	39.5	42.2	41	38
23:00 28/10/2020				
23:01 28/10/2020	41.7	49.1	43	40
23:02 28/10/2020	40.2	42.5	41	39
23:03	39.4	42.5	40	38
28/10/2020 23:04	41.6	46.2	44	40
28/10/2020 23:05	41	43.3	42	39
28/10/2020 23:06	40.7	43.9	42	39
28/10/2020 23:07	42.1	47.9	43	41
28/10/2020 23:08	41.5	43.6	42	41
28/10/2020 23:09	41.4	43.8	42	41
28/10/2020 23:10	41.4	43.8	43	40
28/10/2020 23:11	41.2	45.8	43	39
28/10/2020 23:12	40.9	43.7	42	40
28/10/2020	41.5	44.5	43	40
23:13 28/10/2020	40.4	44	42	39
23:14	40	41.8	41	39
23:15 28/10/2020	41.9	46.9	43	40
23:16 28/10/2020	39.9	44.7	42	38
23:17 28/10/2020	39.6	42.7	41	39
23:18 28/10/2020	40.5	42.6	41	40
23:19 28/10/2020	39.8	44.7	40	39
23:20 28/10/2020	41.5	45.6	44	39
23:21 28/10/2020	40.8	43.3	42	39
23:22 28/10/2020				
23:23 28/10/2020	39.7	42.7	40	39
23:24	39.2	40.9	40	38
23:25	40.5	46.9	41	39
23:26	40.2	45.4	41	39
28/10/2020 23:27	39	44.3	40	38
28/10/2020 23:28	43.7	51.4	46	40
28/10/2020 23:29	41.3	47.9	43	40
28/10/2020 23:30	39.5	47	41	38
28/10/2020 23:31	43.5	53.9	45	40
28/10/2020 23:32	41.8	47.8	44	40
28/10/2020 23:33	39.3	43.6	41	38
28/10/2020 23:34	39.9	46.1	41	39
28/10/2020 23:35	38.9	42	40	38
28/10/2020	39.7	44.9	40	39
23:36				

28/10/2020	38.8	44.2	39	38
23:37 28/10/2020	38.6	41.8	39	38
23:38 28/10/2020	38			37
23:39 28/10/2020		40.5	39	
23:40	37.5	39.2	38	37
23:41	36.8	37.9	37	36
28/10/2020 23:42	37.9	41.2	39	37
28/10/2020 23:43	37.4	38.6	38	37
28/10/2020 23:44	39.2	45.8	41	37
28/10/2020 23:45	37.7	40.5	39	37
28/10/2020 23:46	40.1	46.3	42	38
28/10/2020	37.8	40.5	38	37
23:47	38.8	42.9	40	37
23:48 28/10/2020	37.9	41.3	39	37
23:49 28/10/2020				
23:50 28/10/2020	37.1	38.4	38	37
23:51 28/10/2020	37	38.5	38	37
23:52	39.7	46.2	42	37
28/10/2020 23:53	38.5	44.9	39	38
28/10/2020 23:54	37.4	39.3	38	37
28/10/2020 23:55	36.8	38.3	37	36
28/10/2020 23:56	37.2	42	38	36
28/10/2020 23:57	37.2	39.6	38	36
28/10/2020 23:58	36.9	38.7	38	36
28/10/2020 23:59	37.4	39.5	38	37
29/10/2020 00:00	37.8	40.3	38	37
29/10/2020	36.8	39	37	36
00:01 29/10/2020	36.8	39.4	37	36
00:02 29/10/2020	38.8	46.7	41	37
00:03 29/10/2020	37.6	42.2	39	36
00:04 29/10/2020				
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00:06	36.8	40.9	37	36
00:07	37.7	39.4	39	37
29/10/2020 00:08	37.2	39.5	38	36
29/10/2020 00:09	36.2	38.1	37	36
29/10/2020 00:10	37.3	39.8	38	36
29/10/2020 00:11	38.4	44.9	40	36
29/10/2020 00:12	38.9	45.8	42	36
29/10/2020 00:13	38.1	42.2	40	36
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29/10/2020 00:19	38	41.4	40	37
29/10/2020 00:20	37.2	39.6	38	36
29/10/2020 00:21	38	41	39	37
29/10/2020 00:22	39	44.6	41	37
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00:28 29/10/2020	37.3	41.1	38	36
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00:32	37.5	42	38	37
00:33	37.7	41	39	37
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29/10/2020 00:36	37.1	39.8	38	36
29/10/2020 00:37	36.2	39.9	37	35
29/10/2020 00:38	36.2	40.9	37	36
29/10/2020 00:39	37.3	40.8	39	37
29/10/2020 00:40	37	40	39	36
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29/10/2020	36.9	42.2	38	36
29/10/2020	37.8	40.4	39	37
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00:44 29/10/2020	37	40.8	39	36
00:45 29/10/2020		43.6		
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00:47 29/10/2020	36.4	38.4	37	36
00:48 29/10/2020	37.7	43.5	39	36
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29/10/2020 00:50	37.1	39.9	38	36

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29/10/2020 00:54	37.6	41.4	39	36
29/10/2020	37.4	39.4	38	36
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29/10/2020 01:00	35.8	38.4	37	35
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29/10/2020 01:03	35.5	37.2	36	35
29/10/2020 01:04	36.4	38.8	37	36
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29/10/2020	36.6	39.8	38	35
01:06 29/10/2020	37	39.9	38	36
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01:09 29/10/2020	37.1	39.6	38	36
01:10	37.5	40.2	39	36
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29/10/2020 01:13	36.1	37.9	37	35
29/10/2020 01:14	36.6	39.7	37	36
29/10/2020 01:15	36.2	38.5	37	35
29/10/2020	37	41.5	38	36
01:16 29/10/2020	35.6	38.1	37	35
01:17 29/10/2020	35.4	37.6	36	34
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29/10/2020 01:22	35.5	40.9	36	35
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29/10/2020 01:24	35	36.6	36	34
29/10/2020 01:25	35.2	42.5	36	34
29/10/2020 01:26	34.8	36.5	36	34
29/10/2020	35.3	37.9	36	34
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29/10/2020 01:42	35.5	39.1	37	34
29/10/2020 01:43	34.9	38.9	36	34
29/10/2020 01:44	34.5	37.5	35	34
29/10/2020 01:45	34.8	36.7	35	34
29/10/2020 01:46	35.2	38.6	36	34
29/10/2020 01:47	35.1	37.2	36	34
29/10/2020 01:48	35.3	36.8	36	35
29/10/2020 01:49	34.9	38.9	36	34
29/10/2020 01:50	35.1	37.8	36	34
29/10/2020 01:51	33.6	35	34	33
29/10/2020 01:52	34.4	38.2	35	33
29/10/2020 01:53	36.3	42.3	38	34
29/10/2020 01:54	34.8	37.3	35	34
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29/10/2020 01:57	35.7	38.9	37	35
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29/10/2020 01:59	35.3	38	36	35
29/10/2020 02:00	35.4	39.5	36	34
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02:03 29/10/2020	35.9	38.2	37	35
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29/10/2020 02:07	35.7	37.7	36	35
29/10/2020 02:08	36.1	40.9	38	35
29/10/2020	35.6	40.1	37	34
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02:12 29/10/2020	35.9	39.2	37	34
02:13	35.4	38.8	37	35
29/10/2020 02:14	35.1	37.1	36	35
29/10/2020 02:15	36.1	39.5	37	35
29/10/2020 02:16	36	39	37	35
29/10/2020 02:17	34.5	36.9	35	34
29/10/2020	35.5	36.9	36	35
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02:19 29/10/2020				
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29/10/2020 02:21	35.6	37.2	36	35
29/10/2020 02:22	35.7	40.9	36	35
29/10/2020 02:23	35.8	39	37	35
29/10/2020 02:24	35.3	38	36	34
29/10/2020 02:25	37.6	44.1	40	35
29/10/2020	37.7	42.5	39	35
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02:27 29/10/2020	34.9	37.2	36	34
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02:30	34.8	37.3	36	34
29/10/2020 02:31	34.6	36.5	35	34
29/10/2020 02:32	36.7	40.7	39	34
29/10/2020 02:33	35.6	42.4	37	34
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02:34 29/10/2020	36	38.8	37	35
02:35 29/10/2020	36.3	39.8	37	35
02:36 29/10/2020				
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02:38	36.5	41.8	38	35
29/10/2020 02:39	34.7	38.6	36	34
29/10/2020 02:40	35.7	38.7	37	35
29/10/2020 02:41	34.9	41.7	36	34

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29/10/2020 02:43	36	39	37	35
29/10/2020 02:44	34.8	36.7	35	34
29/10/2020	34.9	38.1	36	34
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02:46 29/10/2020	34.2	36.5	35	33
02:47 29/10/2020	34.2	36.6	35	33
02:48 29/10/2020	35.7	37.5	36	35
02:49 29/10/2020	35.2	37.2	36	34
02:50 29/10/2020	34	35.5	35	33
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02:54 29/10/2020				
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02:56 29/10/2020	35.2	36.8	36	34
02:57 29/10/2020	36.2	41.3	38	34
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03:02	34.3	36.3	35	33
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29/10/2020 03:04	35.5	37.4	37	34
29/10/2020 03:05	36.2	40.4	38	35
29/10/2020 03:06	36	40	37	35
29/10/2020 03:07	35.4	39	36	34
29/10/2020 03:08	34.4	37.2	36	33
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29/10/2020 03:13	35.4	38.7	36	34
29/10/2020 03:14	36	41.4	37	35
29/10/2020 03:15	35.6	37.2	36	35
29/10/2020 03:16	35.9	39.7	37	35
29/10/2020 03:17	36.4	40.8	37	35
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03.10	<u> </u>	<u> </u>		

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29/10/2020	34.5	36.4	35	34
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03:26	36	42.2	37	35
29/10/2020 03:27	34.4	37.1	35	34
29/10/2020 03:28	35	38.3	36	34
29/10/2020	35.6	39.7	37	34
03:29 29/10/2020	36.6	46.1	38	35
03:30 29/10/2020	37.4	40.4	38	36
03:31 29/10/2020				
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29/10/2020 03:33	38.3	41.5	40	37
29/10/2020 03:34	37.4	41.5	39	36
29/10/2020 03:35	35.8	37.5	37	35
29/10/2020 03:36	35.7	38.6	37	35
29/10/2020	36.1	41.6	37	35
03:37 29/10/2020	35.2	38.5	36	34
03:38 29/10/2020				34
03:39 29/10/2020	35.3	39.5	36	
03:40	34.9	37.2	36	34
29/10/2020 03:41	36	39.8	37	35
29/10/2020 03:42	36.3	38.8	37	35
29/10/2020 03:43	34.8	36.8	36	34
29/10/2020 03:44	36.4	39.8	38	35
29/10/2020	35.8	39.1	37	35
03:45 29/10/2020	37.3	39.9	39	36
03:46 29/10/2020				
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03:48	38.1	42.2	40	36
29/10/2020 03:49	35.9	38.6	37	34
29/10/2020 03:50	37	42.6	38	35
29/10/2020 03:51	36	38.9	37	35
29/10/2020 03:52	36.9	41.6	39	35
29/10/2020	36.9	42.3	38	36
03:53 29/10/2020	36.8	41.2	38	35
03:54 29/10/2020				
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03:57 29/10/2020	34.7	36.8	36	34
03:58 29/10/2020	34.8	38.6	35	34
03:59 29/10/2020				
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04:01	36.6	43.6	38	36
29/10/2020 04:02	36.3	38.4	37	35
29/10/2020 04:03	36.5	39.4	38	36
29/10/2020 04:04	35.7	38.4	37	35
29/10/2020 04:05	35.3	37	36	35
29/10/2020 04:06	35.3	37.5	36	34
29/10/2020	35.8	38.3	37	34
04:07 29/10/2020	35.2	37.7	36	34
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29/10/2020 04:13	36.9	42.7	38	36
29/10/2020 04:14	38.2	45.2	41	36
29/10/2020 04:15	37.1	42.9	39	35
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29/10/2020 04:17	36.3	39.4	37	35
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29/10/2020 04:19	40.4	52.3	43	37
29/10/2020	36.8	40.2	38	36
29/10/2020	35.7	40	37	35
04:21 29/10/2020	35.5	40	36	34
04:22 29/10/2020	35.5	37.5	36	34
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04:25 29/10/2020	40.3	45.5	43	36
04:26	37.2	40.1	38	36
29/10/2020 04:27	38.8	48.7	40	35
29/10/2020 04:28	63.8	72.8	68	53
29/10/2020 04:29	46.3	57.7	51	39
29/10/2020 04:30	37.6	40.2	39	36
29/10/2020 04:31	61	70.8	66	38
29/10/2020	60	70.7	66	43
04:32				

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04:33 29/10/2020 04:34	38.2	43.7	41	36
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29/10/2020 04:36	48.9	60.1	53	39
29/10/2020 04:37	38.6	41.5	40	37
29/10/2020 04:38	49.3	60.8	55	37
29/10/2020 04:39	63.5	72.6	68	46
29/10/2020 04:40	42.2	46	44	40
29/10/2020 04:41	38	40.2	39	37
29/10/2020 04:42	37.6	42.5	39	36
29/10/2020 04:43	36.6	42.5	38	35
29/10/2020 04:44	37.2	39.4	38	36
29/10/2020 04:45	53.6	66.2	59	37
29/10/2020 04:46	63.7	72.2	68	48
29/10/2020 04:47	45.1	49.6	48	39
29/10/2020 04:48	37.9	42.9	39	37
29/10/2020 04:49	38.4	44.1	41	36
29/10/2020 04:50	37.3	39.1	38	37
29/10/2020 04:51	40.5	53.1	44	37
29/10/2020 04:52	38.5	45.5	41	37
29/10/2020 04:53	36.8	39.2	38	36
29/10/2020 04:54	37.8	44.2	40	36
29/10/2020 04:55 29/10/2020	38.5	41	40	37
04:56	38.1	41.5	40	37
29/10/2020 04:57 29/10/2020	38.7	42	40	37
04:58 29/10/2020	37.5	40.3	39	36
04:59 29/10/2020	38.9	44.6	40	37
05:00 29/10/2020	37.5	40.7	38	37
05:01 29/10/2020	37.8	41.2	39	37
05:02 29/10/2020	37.1	43.1	38	36
05:03 29/10/2020	38.6	44.3	40	37
05:04 29/10/2020	37.7	42.7	39	36
05:05 29/10/2020	63.5	74.2	68	52
05:06 29/10/2020	45.7	54.7	49	39
05:07 29/10/2020	39.1	45.8	40	38
05:08 29/10/2020	42.1	48.9	45	39
05:09	38.9	41.3	40	38

51

29/10/2020 05:10	38.9	41.6	40	38
29/10/2020	38.8	42.2	40	38
05:11 29/10/2020	38.4	40.7	39	38
05:12 29/10/2020	39.8	46.2	42	38
05:13 29/10/2020	39	44.9	40	37
05:14 29/10/2020	38	40.1	39	37
05:15 29/10/2020				
05:16 29/10/2020	38.3	40	39	37
05:17 29/10/2020	39.3	43.5	41	38
05:18 29/10/2020	40.3	44.7	42	38
05:19	41.4	50.9	44	38
29/10/2020 05:20	40.5	45.6	42	39
29/10/2020 05:21	39.2	41.5	40	38
29/10/2020 05:22	39.4	42.2	40	39
29/10/2020 05:23	38.8	40.5	39	38
29/10/2020 05:24	39.6	42.5	41	39
29/10/2020 05:25	39	41.7	40	38
29/10/2020 05:26	38.9	41.3	40	38
29/10/2020 05:27	39.2	42	40	38
29/10/2020 05:28	38.4	39.6	39	38
29/10/2020 05:29	39	42	40	38
29/10/2020 05:30	38.5	40.1	39	38
29/10/2020 05:31	39.2	43.4	41	38
29/10/2020	56.5	67.2	62	38
05:32 29/10/2020	59.2	68.8	64	42
05:33 29/10/2020	40.3	42.6	42	39
05:34 29/10/2020	39.8	41.8	41	39
05:35 29/10/2020	40	41.9	41	39
05:36 29/10/2020	40	42.9	41	39
05:37 29/10/2020	40.1	42.9	41	39
05:38 29/10/2020	39.7	45.2	41	39
05:39 29/10/2020				
05:40 29/10/2020	39.8	42.1	41	39
05:41 29/10/2020	40.1	42.2	41	39
05:42 29/10/2020	64.3	74.9	69	41
05:43 29/10/2020	52.5	63.8	57	43
05:44	41.4	45.1	43	41
29/10/2020 05:45	41.1	45.5	42	40
29/10/2020 05:46	41	47.8	42	40

29/10/2020	40.4	42.4	41	40
05:47 29/10/2020	41.9	46.7	44	40
05:48 29/10/2020				
05:49 29/10/2020	41.3	42.9	42	41
05:50	42.1	48.5	44	40
29/10/2020 05:51	41	42.9	42	40
29/10/2020 05:52	40.6	42.9	42	39
29/10/2020 05:53	40.3	45.3	41	39
29/10/2020 05:54	40.2	41.8	41	40
29/10/2020	40.4	42.1	41	40
05:55 29/10/2020	40.2	45.2	41	39
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05:57 29/10/2020	48.4			43
05:58 29/10/2020		55.4	52	
05:59 29/10/2020	49.6	58.6	53	45
06:00	44.4	52	46	42
29/10/2020 06:01	48	60.4	50	43
29/10/2020 06:02	46.1	53.8	50	43
29/10/2020 06:03	47.7	57.6	50	43
29/10/2020 06:04	49.5	61.4	54	43
29/10/2020 06:05	46.8	54.1	49	43
29/10/2020 06:06	49.4	57.5	53	44
29/10/2020 06:07	46	55.3	48	42
29/10/2020 06:08	45.3	53.5	48	43
29/10/2020 06:09	48.9	53.9	51	46
29/10/2020	46.7	54	49	43
06:10 29/10/2020	51.9	64.1	55	45
06:11 29/10/2020	45.5	54.6	48	43
06:12 29/10/2020	48.8	58.9	51	44
06:13 29/10/2020	45.4			
06:14 29/10/2020		53	48	43
06:15 29/10/2020	48.2	57.3	50	44
06:16 29/10/2020	46	54.9	47	44
06:17	48.2	58.3	50	46
29/10/2020 06:18	45.2	48.6	47	44
29/10/2020 06:19	49.6	55.3	52	46
29/10/2020 06:20	45.4	54.3	48	43
29/10/2020 06:21	49.8	56.1	52	47
29/10/2020 06:22	45.5	49.4	47	44
29/10/2020 06:23	52	60.9	55	47
00.23				

29/10/2020	44.8	49.5	46	44
06:24 29/10/2020	48.7	60.1	51	45
06:25 29/10/2020	45.3	48.8	47	44
06:26 29/10/2020				
06:27 29/10/2020	49.2	56.8	52	45
06:28	47.3	58.3	49	43
29/10/2020 06:29	49.8	59	52	46
29/10/2020 06:30	44.7	51.3	47	42
29/10/2020 06:31	49	57.9	52	43
29/10/2020 06:32	52.1	64.7	56	45
29/10/2020 06:33	45.2	49.9	47	42
29/10/2020 06:34	48.4	55.6	52	44
29/10/2020 06:35	43.6	45.8	45	42
29/10/2020	49	61.4	50	45
06:36 29/10/2020	46.5	54.8	49	43
06:37 29/10/2020	42.5	46.8	43	42
06:38 29/10/2020	49.6	59.4	52	45
06:39 29/10/2020		54.8	48	43
06:40 29/10/2020	45.5			
06:41 29/10/2020	42.3	44.2	43	42
06:42 29/10/2020	42.3	44.1	43	42
06:43 29/10/2020	41.6	43.7	42	41
06:44	42.3	45.9	43	41
29/10/2020 06:45	42.1	49.8	43	41
29/10/2020 06:46	42.5	47.3	43	42
29/10/2020 06:47	45.1	51.2	48	43
29/10/2020 06:48	49.7	60.6	53	43
29/10/2020 06:49	42.7	44.9	44	42
29/10/2020 06:50	42.5	44.2	43	42
29/10/2020 06:51	44.5	51.6	47	42
29/10/2020 06:52	49.6	58.2	53	44
29/10/2020	43.1	47.6	44	42
06:53 29/10/2020	44.3	49.1	46	42
06:54 29/10/2020	47.5	54.2	50	45
06:55 29/10/2020	45.7	49.9	47	44
06:56 29/10/2020			49	45
06:57 29/10/2020	47.2	54.9		
06:58 29/10/2020	48.4	55.2	51	45
06:59	43.8	48.1	45	43