



Noise Impact Assessment undertaken by:

Michael D Vine – BSc Hons, MIOA
Vine Acoustics Ltd | Hampshire | mike@vineacoustics.co.uk

Michael Vine was the founder and operator of Airtight & Noisecheck Ltd for over 20 years, during which time he undertook numerous Noise Impact Assessments Nationwide. He now owns and operates Vine Acoustics Ltd.

NOISE IMPACT ASSESSMENT FOR
CPC PLANNING CONSULTANTS LTD

SITE ADDRESS

THE MOTTE & BAILEY PUBLIC HOUSE
1 GREAT GRN
PIRTON
HITCHIN
SG5 3QD

ASSESSMENT DATE: 15TH – 17TH AUGUST 2025

REPORT DATE: 20TH AUGUST 2025

Acoustic Engineer:



Testing Date: 15th – 17th August 2025

Michael Vine



AIRTIGHT & NOISECHECK BUILDING ACOUSTIC TESTING

Contents

Customer Name.....	3
Site Address.....	3
Equipment Used.....	3
Measurement Procedure.....	3
Assessment Criteria.....	4-7
Executive Summary.....	8
Acoustic Design Statement.....	8-9
Objective.....	9
Calibration.....	9
Site Layout & Microphone Locations.....	10
Weather Conditions.....	10
Results Table & Conclusion.....	11-13
LAmx Noise Levels & Similar Data.....	14
Car Park Noise & Vehicle Movements.....	15
Residential Amenity Space/PH Garden.....	16
Required level of mitigation.....	17
Ventilation, Glazing, Façade & roof.....	17
Results Summary.....	18
Site Plans.....	19
Appendix.....	20
Google Earth.....	21
Raw Data.....	22-43



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

Customer Name:

Testing Date: 17th – 17th August 2025

Report Date: 20th August 2025

Site Address:

CPC Planning Consultants Ltd

The Motte & bailey Public House
1 Great Green
Pirton
Hitchin
SG5 3QD

Acoustic Engineer:

Mr. Michael Vine

Equipment used:

Norsonic Environmental Analyser 140 BS EN IEC 61672-1 2013 Class 1 – Associated frequency analyser to BS EN IEC 61260: 1996 Class 1 – serial 1407126 – calibration due March 2026

Measurement Microphone (Nor 1225) – Serial Number 305215 – calibration due March 2026

Acoustic Calibrator - (Type 1251) – Serial No 31652, Calibration due October 2025

Measurement Procedure:

The purpose of this noise impact assessment is to assist with the proposed planning application shown below & discharge the planning conditions:

Site Address: The Motte & Bailey Public House, 1 Great Green, Pirton, Hitchin, SG5 3QD

Proposal: Construction of a single dwelling in the current public house garden to the Northeast of the Public House. The public house garden will be relocated to the front of the site, with the decking area and car park remaining in their current locations

An unattended assessment measuring the current acoustic climate over a 48-hour period in one microphone location was undertaken to determine the ambient noise levels at the proposed residential façade & garden in relation to the public house (48hours). The assessment took place between 1221hrs on Tuesday 12th to 0951hrs on Friday 15th August to 0951hrs on Sunday 17th August.

The unattended assessment took measurements from the local road traffic located to the front of the proposed dwelling; noise associated with the public house car park & garden area. Further to the measured levels, data from similar sites & bespoke calculations will also be included within this report.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

Assessment Criteria:

The National Planning Policy Framework (NPPF) came into effect in March 2012 and was updated in December 2024. It replaced other documents such as PPG24. The NPPF provides several objectives and aims that are directed towards avoiding significant adverse impacts and reducing others on quality of life and health. This document states that:

Paragraph 187 states Planning policies and decisions should contribute to and enhance the natural and local environment by:

e) 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. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, considering relevant information such as river basin management plans.

Paragraph 198 states - Planning policies and decisions should also ensure that new development is appropriate for its location considering 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 impact 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; and
- c) limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes, and nature conservation.

Paragraph 200 - 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.

The Planning Practice Guidance has guidance on noise, dated 22nd July 2019, and has the noise hierarchy table as shown below. Paragraphs 009 & 011 are referenced later in this report.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

Response	Examples of outcomes	Increasing effect level	Action
No Observed Effect Level			
Not present	No Effect	No Observed Effect	No specific measures required
No Observed Adverse Effect Level			
Present and not intrusive	Noise can be heard, but does not cause any change in behaviour, attitude or other physiological response. Can slightly affect the acoustic character of the area but not such that there is a change in the quality of life.	No Observed Adverse Effect	No specific measures required
Lowest Observed Adverse Effect Level			
Present and intrusive	Noise can be heard and causes small changes in behaviour, attitude or other physiological response, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a small actual or perceived change in the quality of life.	Observed Adverse Effect	Mitigate and reduce to a minimum
Significant Observed Adverse Effect Level			
Present and disruptive	The noise causes a material change in behaviour, attitude or other physiological response, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.	Significant Observed Adverse Effect	Avoid
Present and very disruptive	Extensive and regular changes in behaviour, attitude or other physiological response and/or an inability to mitigate effect of noise leading to psychological stress, e.g. regular sleep deprivation/awakening; loss of appetite, significant, medically definable harm, e.g. auditory and non-auditory.	Unacceptable Adverse Effect	Prevent

NOEL – No Observed Effect Level This is the level below which no effect can be detected. In simple terms, below this level, there is no detectable effect on health and quality of life due to noise.

LOAEL – Lowest Observed Adverse Effect Level This is the level above which adverse effects on health and quality of life can be detected.

SOAEL – Significant Observed Adverse Effect Level This is the level above which significant adverse effects on health and quality of life occur.

The NPSE (Noise Policy Statement for England) states the following aims with respect to noise policy:

Through the effective management and control of environmental, neighbour and neighbourhood noise within the context of the Government policy on sustainable development:

*avoid significant adverse impacts on health and quality of life;
mitigate and minimise adverse impacts on health and quality of life; and
where possible, contribute to the improvement of health and quality of life.*



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

PROPG: PLANNING & NOISE (2017) NEW RESIDENTIAL DEVELOPMENT [PROPG 2017]

The ProPG Planning & Noise document was published in 2017, its development supported by the Institute of Acoustics, the Association of Noise Consultants, and the Chartered Institute of Environmental Health. The aim of the document is to provide practitioners with guidance on a recommended approach to the management of noise within the planning system in England.

ProPG advocates a systematic, proportionate risk-based, 2 stage approach which:

1. Encourages early consideration of noise issues;
2. Facilitates straightforward accelerated decision making for lower risk sites;
3. Assists proper consideration of noise issues where the acoustic environment is challenging.

A summary of the overall ProPG approach is included in Appendix B. The two sequential stages of the overall approach are:

1. Stage 1 – an initial noise risk assessment of the proposed development site; and
2. Stage 2 – a systematic consideration of four key elements.

The four key elements to be undertaken in parallel during Stage 2 are:

1. Element 1 – demonstrating a “Good Acoustic Design Process”;
2. Element 2 – observing internal “Noise Level Guidelines”;
3. Element 3 – undertaking an “External Amenity Area Noise Assessment”; and
4. Element 4 – consideration of “Other Relevant Issues”.

The approach is underpinned by the preparation and delivery of an “Acoustic Design Statement” [ADS]. The ADS is intended to conclude in the provision of one of the following four recommendations to the decision maker:

1. Planning consent may be granted without any need for noise conditions;
2. Planning consent may be granted subject to the inclusion of suitable noise conditions;
3. Planning consent should be refused on noise grounds in order to avoid significant adverse effects (“avoid”); or
4. Planning consent should be refused on noise grounds in order to prevent unacceptable adverse effects (“prevent”).

The overall ProPG 2017 approach is intended for implementation with projects at an earlier stage than the subject of this report. This report provides a full noise mitigation strategy for the site, rather than an initial recommendation to the decision maker.

ProPG 2017 contains the most up to date guidance available on industry-wide adopted best-practice interpretation of relevant guidance regarding acceptable internal and external noise levels i.e., BS8233:2014 and WHO Guidelines.

WHO GUIDELINES FOR COMMUNITY NOISE (1999)

The guidance in this document recommends design criteria for internal noise levels within residential and commercial buildings. A summary of the recommended guidance is shown in Table 2.1. **Table 2.1 – Excerpt from WHO [dB ref. 20µPa]**

Criterion	Environment	Design range LAeq, T dB
Maintain speech intelligibility, avoid moderate annoyance, daytime & evening	Living Rooms	35
Prevent sleep disturbance, night time	Bedrooms	30

This guidance also states:

For a good sleep, it is believed that indoor sound pressure levels should not exceed approximately 45dB L_{Amax} more than 10-15 times a night (Vallet & Vernet 1991)



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

For outdoor living areas, it is stated that:

To protect the majority of people from being seriously annoyed during the daytime, the outdoor sound level from steady, continuous noise should not exceed 55dB LAeq on balconies, terraces and in outdoor living areas. To protect the majority of people from being moderately annoyed during the daytime, the outdoor sound level should not exceed 50dB LAeq. Where it is practical and feasible, the lower outdoor sound level should be considered the maximum desirable sound level for new development.

BS8233:2014 GUIDANCE ON SOUND INSULATION AND NOISE REDUCTION FOR BUILDINGS

The guidance in this document indicates acceptable noise levels for various activities within residential dwellings. A summary of the recommended guidance is shown in the following table as listed in BS8233: 2014

Activity	Location	07:00 to 23:00	23:00 to 07:00
Resting	Living Room	35 dB LAeq, 16 hour	-
Dining	Dining Room	40 dB LAeq, 16 hour	-
Sleeping (daytime resting)	Bedroom	35 dB LAeq, 16 hour	30 dB LAeq, 8 hour



AIRTIGHT & NOISECHECK ACOUSTIC TESTING

Executive Summary:

Vine Acoustics Ltd was instructed by CPC planning consultants Ltd to undertake a Noise Impact Assessment (NIA) at The Motte & Bailey Public House, 1 Garden Green, Pirton. A planning application is to be made to erect 1 x new dwelling to the Northeast of the public house & to the North of the public house garden. The dwelling will be located in the current public house garden area. The site will comprise of 1 x detached dwelling, located at the rear of the site (see site plan). The microphone location was used to determine the impact of the following noise sources on the proposed dwellings:

1. Noise associated with the public house garden
2. General activity of the public house, car park & kitchen noise
3. Noise associated with vehicular traffic using the local road network

The proposed dwelling should not be adversely affected by the noise associated with the public house garden, car park or road traffic. The measured noise levels are consistent with a relatively quiet road network and in addition the bespoke calculations for the variety of noise sources also indicate that the future residents should not be adversely affected. The public house closes at 11pm Monday to Saturday and 2200pm Sunday so it is highly unlikely that the noise associated with the venue will have an adverse impact on the dwelling and certainly not during the night time period. It is anticipated that the noise associated with the weekend period will be the worst-case scenario and therefore the assessment was undertaken over a weekend period during hot weather. By assessing the above noise sources, it is anticipated that a detailed approach to the proposals has been undertaken. The report clearly shows the required sound reductions needed for the scheme & these measures can be implemented to the residential dwellings to ensure the necessary criteria is achieved.

The conclusions of this report illustrate that the noise associated with the Public House is generally low will not have an adverse impact on the proposed residential dwelling, providing that suitable mitigation measures are implemented to the proposed scheme. It is recommended that alternative ventilation (MVHR, Acoustic wall ventilation, Acoustic trickle vents or natural ventilation louvres etc) be installed to the rear noise sensitive rooms to avoid overheating and assist with ventilation when windows are closed. However, to strike a balance between noise, overheating & ventilation and the very low average noise levels recorded during the assessment it is anticipated that future residents of the dwelling should be able to ventilate the dwelling naturally by opening windows on various elevations throughout the day time and night time period. Both the measured & calculated levels indicate a generally low impact on the proposed dwelling with long periods whereby the dwelling can be naturally ventilated via open windows. The front facades will be screened from the public house and thus be exposed to lower noise levels and therefore can be naturally ventilated with open windows. The measures to be taken by the client should ensure a satisfactory acoustic climate for the future residents of the proposed dwelling. The noise associated with the closing of car doors etc is noted as being a one-off noise level, but these noise levels should not be treated in isolation but compared to the average noise levels. A bespoke assessment has been used as part of this assessment.

Acoustic Design Statement:

The site is situated in a residential area, with Great Green & the public house to the West of the proposed dwelling & Crab Tree Lane to the North, the public house car park will be located to the South of the dwelling. There are existing dwellings in all directions of the public house. The measured levels are low throughout the measurement duration. The necessary noise criteria should be achieved by suitable mitigation measures to the building façade & glazing. The client will take steps and implement mitigation measures to ensure the impact of the external & internal noise should not have an adverse impact on the future residential dwelling. These steps include:

- 1 Careful configuration of dwelling – principal bedrooms located away from the PH garden & car park
- 2 Measures applied to the dwellings to improve overheating & ventilation
- 3 Install a robust glazing system to the dwelling to protect the residents from the external noise emissions when closed
- 4 Alternative ventilation installed to dwelling to ensure ventilation when windows closed (although it can be naturally ventilated via open windows)
- 5 1.8m high acoustic fence erected along the boundary between the dwelling garden & the decking area & car park



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

The initial risk assessment has indicated that the day time noise levels for the proposed dwelling falls into the negligible to low category for the day time and night time, and the average noise levels were generally low throughout the assessment period. Pro PG states that for the low category *'At low noise levels, the site is likely to be acceptable from a noise perspective provided that a good acoustic design process is followed and is demonstrated in an ADS which confirms how the adverse impacts of noise will be mitigated and minimised in the finished development.'* Therefore, based on the average noise levels, the impact should be low. Due to the nature of some of the noise sources however, further bespoke calculations are required to further illustrate the low impact on the proposed dwelling. Sites falling into the medium category state that noise needs to be considered and a good acoustic design process is followed and is demonstrated in an ADS which confirms how the adverse impacts of noise will be mitigated and minimised, and which clearly demonstrate that a significant adverse noise impact will be avoided in the finished development.

Various measurements and calculations will be used to try and determine the noise associated with the public house garden as there are no specific criteria. A number of different calculations will be used and data taken from similar sites to ensure suitable measures are put in place.

The proposed alternative ventilation system is not designed to ensure BS8233: 2014 compliance but offer suitable levels of ventilation during periods when windows maybe closed, but it is anticipated that the dwellings can be naturally ventilated with open windows for long periods of the day time and night time periods, and it is essential that a balance is struck between noise, ventilation and overheating as there will clearly be long periods of the day time and night time that the dwelling will not be adversely affected by the public house and can have their windows open to ensure natural ventilation.

1 Objective:

1.1 To demonstrate that the noise associated with the road traffic noise & noise associated with The Motte & Bailey public house will not have an adverse impact on the proposed residential scheme to be located to the Northeast of the public house in the current public house garden area. A planning application has been made to erect 1 x residential dwelling to the rear of the public house garden & car park. The side elevation will face the decking area, with the rear elevation facing the public house car park. The public house garden will be relocated to the front of the building so the noise form this will be negligible. The front elevation of the dwelling will face Crab Tree Lane.

1.2 In addition to the measured levels, Calculations assuming public house garden noise & vehicle movements have also been included to ensure all aspects have been covered. These calculations include the necessary acoustic feature corrections to take the extra distance into account, and suitable mitigation measures will be implemented to the scheme.

2 Calibration:

2.1 The measurement microphone was calibrated before and after testing in the measurement location and there were no drifts recorded during the assessments.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

3 Site Layout & Microphone Position:

3.1 Pirton is a village and civil parish in the North Hertfordshire district of Hertfordshire, England. It lies 3 miles north-west of the town of Hitchin and adjoins the border with Bedfordshire. The village is a small residential area.

3.2 The proposed site is located in a residential area with existing dwellings situated in all directions with the public house & the Great Green to the West, with Crab Tree Lane located to the North. The public house is located 15m to the Southwest of the dwelling (the centre of the car park will be circa 16m from the façade of Plot 1) with the decking area circa 6m from the building façade. The centre of the public house garden will be circa 12m from the centre of the residential garden. There will be a 1.8m high acoustic barrier erected around the boundary of the dwelling & garden, separating it from the car park & decking area.

3.3 The dwelling will comprise of a single, detached dwellings built over 2 floors, with no windows on the facades facing the public house decking. The rear façade will face the public house car park, with the front elevation facing away from the public house and will face Crab Tree Lane.

3.4 The measurement microphone was located:

- 1- In the current public house garden, at the approximate Southern façade of the dwelling. It was positioned in free field conditions and not close to a reflective surface.

4 Weather Conditions:

4.1 The weather was dry & hot during the measurement procedure; the temperature ranged between 16-28 degrees on Friday 15th, 12-21degrees on Saturday 16th & 10-24degrees on Sunday 17th August. There was no wind or rain over the measurement period.

5 Measurement Duration:

5.1 The continuous measurement was taken for 48hour period, the public house was open and operating as normal. The road traffic using the local road network was at normal levels and thus offer a fair reflection of the noise associated with the road network.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

6 Results:

6.1 The purpose of this measurement was to establish the levels associated with the the public house, located to the West of the proposed dwelling. The levels will be compared to the necessary British Standards & relevant documents, also some bespoke measurements will be adopted.

L_{Aeq} 16hour & 8hour Noise Levels:

Mic Location	L _{Aeq} 16hour Value	Reduction needed for BS8233 compliance	L _{Aeq} 8hour Value	Reduction for BS8233 compliance	L _{Amax} Value	Reduction for compliance
ML 1 – Friday	52dBA	17dB	41dBA	11dB	62dBA	17dB
ML 1 - Saturday	46dBA	11dB	40dBA	10dB	61dBA	16dB

7 Results Conclusion:

7.1 The tables listed above clearly indicate the required sound reduction values at the proposed site. It is clear to see that the measured levels are within the negligible low category of the Pro PG document for the day time and night time periods. The criteria set out in paragraph 3.3 of the ADO can be achieved with windows open for bedrooms during the night time, this relates to both the L_{Aeq} & L_{Amax} levels, so overheating will not be an issue for this site. The L_{Aeq} night time levels also indicate that the windows can be open to offer natural ventilation during this period. Providing suitable mitigation measures are applied to the necessary facades the required internal criteria can be achieved. Further calculations will be included within this report to try and establish some relative levels for the pubic house garden, but even with these in mind It is anticipated that as the front facade will be screened from the public house, the noise levels will fall into the low category and for the majority of the week it is anticipated that this dwelling can be naturally ventilated with open windows during the day time and night time period (as shown above to avoid overheating), to achieve a balance between noise, ventilation, and overheating.

7.2 Based on the measured noise levels, the proposed mitigation measures, the location of the development and the type of noise apparent it is anticipated that the noise will fall at The NOEL value (No adverse effect level) and maybe towards the LOAEL (Lowest observed adverse effect level) and as such the noise should not have a detrimental effect on the future residents providing adequate measures are implemented to the building fabric & elements. For noise sources at the LOAEL, it is anticipated that the noise will be noticeable but not intrusive if suitable mitigation measures are implemented to the development.

7.3 Based on the measured levels and assuming a glazing specification offering a sound reduction of 35dBA (meets the levels required above) is installed the following internal levels would be achieved:

Room	External Level	Sound Reduction of windows	Internal Level	Criteria Met
Lounge	46-52dBA	35dB	11-17dBA	Yes
Bedroom – L _{Aeq}	40-41dBA	35dB	5-6dBA	Yes
Bedroom - L _{Amax}	61-62dBA	35dB	26-27dBA	Yes

7.4 The levels above indicate that the internal levels can be achieved with the windows closed. Further table shown on the following page (section 7.11 indicate predicted levels with windows open). Section 2.30 and Figure 2 of the Pro PG document states that the internal guidelines of BS8233: 2014 can be relaxed by 5dBA (40dBA L_{Aeq} 16hour and 35dBA L_{Aeq} 8hour) when the dwelling is necessary or desirable and also that residents will accept a slight increase in noise levels to ensure natural ventilation. A relaxation of 5dBA will still ensure a reasonable standard of living. It is clear that this approach could be implemented to the development for the day time levels and the night time levels.

7.5 Some of the noise sensitive windows will be screened from the public house noise and therefore the facades will be exposed to lower levels. This would ensure that there are quieter facades and noise levels for the future residents for the dwellings.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

7.6 The levels shown in the table above indicate that a reasonable standard of living can be achieved with open windows (to front facades in particular). Even if this is for short periods of time, it will ensure a balance is struck between noise, overheating & ventilation for the new dwellings.

7.7 Table 3.3 – Guidance for level 2 assessment of noise from transport services in the ANC AVO guide states that *'Noise causes a material change in behaviour e.g., having to keep windows closed most of the time'* if the following levels are exceeded for longer periods of time:

Internal ambient noise levels

L _{Aeq} 16hour 0700-2300	L _{Aeq} 8hour 2300-0700	Individual noise events 2300-0700
>50dB	>42dB	Normally exceeds 65dB L _{AmaxT}

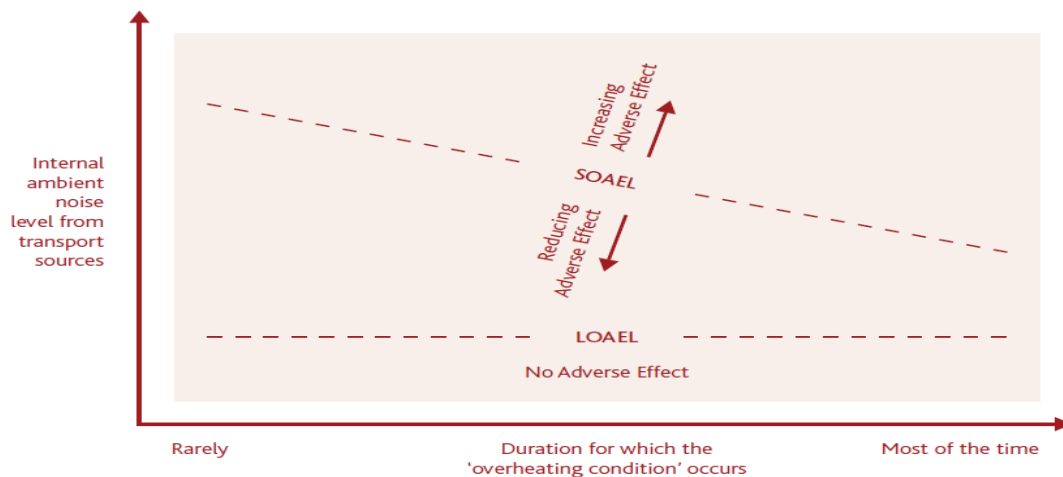
7.8 Using the above guidance (sliding scale as shown in the diagram below) the calculated internal levels at all facades (facing the PH) and other screened facades (facing away from the PH) with the windows open are also shown below. It is anticipated that the future occupants will accept an increase in the noise levels for periods of time to ensure good thermal comfort for the dwelling. The levels for all facades are below these values but it is accepted that the bespoke calculations may be above this guidance and therefore further mitigation may be required.

Rear Facade	External Level	Sound Reduction of open windows	Internal Level
Lounge	46-52	-13dB	33-39dBA
Bedroom – L_{Aeq}	40-41dBA	-13dB	37-38dBA
Bedroom - L_{Amax}	61-62dBA	-13dB	48-49dBA

Front Facade	External Level	Reduction offered by screening	Sound Reduction of open windows	Internal Level
Lounge	46-52dBA	-15dB	-13dB	18-24dBA
Bedroom – L_{Aeq}	40-41dBA	-15dB	-13dB	12-13dBA
Bedroom - L_{Amax}	61-62dBA	-15dB	-13dB	33-34dBA

The above is assuming some facades will be screened from the public house etc. There will be periods of time when the noise associated with the public house will not be the same as it will be over the weekend and therefore the noise exposure will be a lot less for extended periods of time.

Figure 3-2 Qualitative guidance on combined effect of internal ambient noise level and duration for the overheating situation





AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

7.9 Based on the measured levels and anticipated internal levels, it is recommended that for long periods of the week the dwelling can be naturally ventilated, but to ensure suitable internal ventilation levels over busy periods then it is recommended that an alternative ventilation system be incorporated the scheme (such as an MVHR with summer bypass or acoustic wall ventilation), even though it is anticipated that the dwelling will be exposed to lower noise levels for extended periods of the week and such a system may be excessive. A system such as acoustic trickle vents, MVHR with summer bypass etc or similar is required when natural ventilation may not be possible for periods of the day and night, therefore the implementation of the MVHR system (along with the thermal mass and other design measures) will help to ensure that the dwelling can be ventilated when the windows are closed. These measures combined with the quieter facades should ensure a reasonable standard of living can be achieved for the proposed dwellings.

7.10 It can be seen (using the measured levels) that the internal levels will be adequate for the residents with windows open but it is also accepted that certain noise (raised voices in the public house garden etc.) may be audible, so during these periods the dwelling will be ventilated via the alternative system. The purpose of the alternative ventilation system is to ensure the rooms can be ventilated for the period of time when the windows are closed, but a balance must be struck between noise, overheating and ventilation. It is anticipated that future residents will accept this slightly higher level for periods of time to be able to naturally ventilate their homes and the measured levels should not be intrusive.

7.11 The above is based on the average values, with the following calculations based on specific noise levels and mitigation. It must be reinforced that the noise levels are lower during the night time period and when the garden is not in use etc. The levels on the next page indicate the worst-case scenario with the decking being used during the early evening period. The average levels indicate that the noise associated with this area should not lead to an adverse impact.

7.12 The proposed measures indicate that the development follows the approach recommended in the PPG Guidance (Paragraph 009) regarding the closure of windows which states: *"The agent of change will also need to define clearly the mitigation being proposed to address any potential significant adverse effects that are identified. Adopting this approach may not prevent all complaints from the new residents/users about noise or other effects but can help to achieve a satisfactory living or working environment and help to mitigate the risk of a statutory nuisance being found if the new development is used as designed (for example, keeping windows closed and using alternative ventilation systems when the noise or other effects are occurring)."*

7.13 Paragraph 011 of the same guidance states: Noise impacts may be partially offset if residents have access to one or more of:

- a relatively quiet facade (containing windows to habitable rooms) as part of their dwelling.
- a relatively quiet external amenity space for their sole use, (e.g. a garden or balcony). Although the existence of a garden or balcony is generally desirable, the intended benefits will be reduced if this area is exposed to noise levels that result in significant adverse effects.
- a relatively quiet, protected, nearby external amenity space for sole use by a limited group of residents as part of the amenity of their dwellings; and/or
- a relatively quiet, protected, external publicly accessible amenity space (e.g. a public park or a local green space designated because of its tranquillity) that is nearby (e.g. within a 5-minute walking distance).

7.14 The proposed scheme ensures that some of the bullet points shown above have been implemented as part of the application. There are both quieter facades and amenity space as part of the application that are careened from the noise sources. In addition to the orientation of the dwellings, further measures also include installing acoustic trickle vents to the dwelling to ensure suitable levels of ventilation when the windows are closed, but all residents will have the ability to open their windows at their own discretion.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

8 **L_{Amax} Measurements:**

8.1 The measured L_{Amax} 3minute values are included within the report, along with data taken from similar sites, including:

1. The Travellers Rest Public House, Pensford Hill, Pensford, Bristol, BS39 4JF
2. The Newbold Crown, 2 Main Street, Newbold-on-Avon, Rugby, CV21 1HW
3. The Bristol Inn, Chapel Hill, Clevedon, Somerset, BS21 7NZ

8.2 All of the assessments taken above included measurements of the public house beer garden and L_{Amax} noise levels at various distances. A breakdown of the measured values is shown in the table below in an attempt to indicate the relative levels taken in the gardens of similar venues. In addition to this, further calculations will also be done to add weight to the levels shown below.

Location	Measurements	Time	Measured Levels	Distance from source	Level at window – 8m	Level of mitigation required - Day	Night
The Bristol Inn	L _{Aeq}	Day time	54-56dBA	5m	50-52dB	15-17dBA	N/A
The Bristol Inn	L _{Aeq}	Day Time – PH Garden	53-66dBA	5m	49-62dBA	14-27dBA	
The Bristol Inn	L _{Amax}	Night time – PH garden	77-80dBA	5m	73-76dBA		28-31dBA
Newbold Crown	L _{Aeq}	Day Time	57-58dBA	10m	59-60dBA	24-25dBA	
Travellers Rest	L _{Aeq}	Day Time	56-61dB	10m	58-63dBA	23-28dBA	
Travellers Rest	L _{Amax}	2300-0000hrs	75-77dBA	10m	77-79dBA	32-34dBA	

8.2 The majority of the above values concentrate on the day time period due to this is when the public house garden will be in use. The L_{Amax} values shown in the last column was taken between 2300-0000hrs but it must be reiterated that the public house closes at 2300hrs so these values may not apply (they have been included as a worst-case scenario, but it is anticipated that they are not representative of the site). The table below were taken on site during various time periods. The table above shows the highest sound reduction value of 32-34dBA. The proposed glazing for this scheme is 35dBA so this level of mitigation will ensure protection against the noise sources listed above.

Mic Location	L _{Amax}	Time Period	Reduction for compliance
Friday - ML 1	62dBA	16.39hrs	17dB
Friday	69dBA	1752hrs	24dB
Friday	54dBA	2100-2300hrs	9dB
Saturday	54dBA	2030hrs	9dB
Saturday	40-49dBA	2100-2300hrs	-5 to 4dB

8.6 It is clear to see that the actual measured data is a lot less than the levels taken at similar sized venues but it is also accepted that there may be times whereby the decking is busier and the noise levels increase so the mitigation measures listed should ensure compliance for both scenarios, but in reality it is anticipated that the residents will be able to natural ventilate their dwellings as and when they desire. **Please note – there will be a 1.8m high acoustic barrier separating the PH from the dwelling, it is accepted that this will have no use at 1st floor rooms, but it will reduce the noise at ground floor levels and the PH s closed during the night time.*



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

9 Car Park Noise & Vehicle Movements – Proposed Dwelling:

9.1 The public house & car park was in operation during the assessment so the levels were measured directly and form part of the average values, in addition to this the L_{Amax} values have been referenced, and these should be mitigated accordingly. However, the car park is located to the South of the dwelling, with the Centre of the car park circa 16m from the façade. Therefore, we have applied the following calculations. The conclusions indicate that the noise associated with the car park should not have an adverse impact on future residents.

9.2 For robustness, the following equation has also been used to try and determine the noise associated with vehicle movements etc. This calculation uses the single event level (SEL) which is the noise level apparent for 1second of an event, then these levels are compared to a reference time period to take numerous SEL events into account. It is accepted that single events (one off) could be audible at the residential façade, but it is not representative to use this single figure in isolation but rather comparing these over a suitable time period. There are no single calculations to assess car park noise and vehicle movements, so a combination of calculations has been used as part of this assessment.

Car Movements		
SEL dB(A)	68 @ 10m	
No of events	25	
Distance, m	16	
Distance correction	-4 (point source equation)	
Reference period	15mins	
Correction for reference period	-16	
Barrier correction	0	Total
Total Noise at dwelling		48

9.3 The correction for the reference period is determined using the equation on the following page & the SEL value used is 68dB @10m which equates to a value of 88dB at 1m.

9.4 The above table uses the following equation to determine the noise level over a time period. The time period for this assessment has been reduced to 15minutes, with the number of events 25 in that time period.

$$L_{Aeq}(T) = SEL + 10 \log N - 10 \log T$$

where $L_{Aeq}(T)$ = Equivalent continuous sound pressure level over time period T
 SEL = 'Single Event Level', i.e. the 1 second L_{Aeq} which has the same total A-weighted energy as the entire event
 N = Number of events in time period T
 T = Time period in seconds

9.5 The calculations & table above indicate that the noise associated with the vehicle movements & doors closing would be circa 48dBA at the residential façade. It is anticipated that the residential façade will be circa 16m from the centre of the car park. A level of 48dBA would require a sound reduction of 18dB to meet the internal criteria set out in BS8233: 2014 (night time levels, even though the public house will not be open beyond 2300hrs five days a week) indicating a sound reduction of 13dB for the daytime levels.

9.6 It is clear that a level of 48dBA at the residential façade is similar to the measured levels on site. Therefore, the noise associated with the public house car park should not have an adverse impact on the proposed dwelling.

9.7 A car door closing has been measured at L_{Amax} value of 74-78dBA at 1m and using the reductions for distance (16m) would give a calculated level of 50-54dBA at the façade. This value would meet the requirements for the L_{Amax} levels assuming an open window (internal value of 45dBA).



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

10 Residential Amenity Space:

10.1 The calculated levels at the proposed residential amenity space are between 46-52dB L_{Aeq} 16hour. Once the dwelling is built and boundary treatments also erected, the residential amenity space will be screened further from the road the front of the dwelling (by the building) and the car park to the rear (by the acoustic fence). The further measures listed above combined with the already low measured levels should offer a sound reduction of circa -10-15dB. Therefore, the calculated level within the amenity space should be circa 31-37dBA to 36-42dBA. This level is below the lower limit for residential amenity space as listed in BS8233: 2014. There will be a 1.8m high acoustic fence erected between the residential garden and the public house car park and garden areas.

11 People using the Public House Garden Area:

11.1 Determining the noise levels created by such areas is hard to establish, it is understood the garden was in use during the measurement period, but it is accepted that these numbers may increase during the summer months (an event was in operation during the measurement period). The following calculation has been used on this occasion to try and determine the rating level at the façade based on the garden being busy.

The following document has been used to determine the noise created by small groups of people:

'Prediction of noise from small to medium sized groups'

M.J Hayne, J.C Taylor, R.H Rumbe & D.J Mee – 2-4th November 2011, Gold Coast Australia

11.2 This document uses the following equation to determine noise levels from small to medium sized groups:

$$L_{Aeq} = 21\log N + 43\text{dB(A)}$$

N = number of people

11.3 Due to the size of the decking area, a figure of 30 people using the garden area at any one time would seem fair, so this is the figure used for this calculation:

$$L_{Aeq} = 21\log 30 + 43\text{dB(A)} = 74\text{dBA at source}$$

11.4 Based on the equation above, the noise created by 30 people using the garden area would create a noise level of 74dBA. This level can then be calculated at distance using the following equation:

$$L_2 = 20\log (r_2/r_1)$$

Therefore:

$$74 - 20\log (8/1) = 56\text{dBA}$$

11.5 The above equation has been used to try and determine the level of the public house garden area on the proposed dwelling and substantiate the measured levels, it is appreciated that elements such as shouting and raised voices may also increase the rating level, however the calculated value of **56dBA** is assumed for a distance of 8m (centre of the public house decking to residential window). This level is in line with the measured level of the time period. Please note it is impossible to determine the number of people within the Garden area at any one time, however, a figure of 30 people would seem a fair assessment for a garden of this size. The calculated level in the amenity space will be even less as this is screened from the decking area.

11.6 Further to the above calculations and the levels shown in the table on the previous page it is anticipated that the above value of 56dBA is relative for the residential gardens and facades. There will be times whereby the levels are increased due to shouting and raised voices etc, Table 7 of BS8233: 2014 states that a raised voice will produce circa 62dBA at 1m, which equates to a levels of 44dBA at 8m. With this value in mind, if a level of 75dBA is assumed at 1m then this would equate to a level of 57dBA at 8m which is above the values shown above but can be mitigated against. This would equate to a sound reduction of 22dBA for day time and 27dBA for the night time, but it is anticipated that the public house garden will not be used after 2300hrs, but a sound reduction of 35dBA (glazing) should ensure these values are mitigated accordingly.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

12 Required Levels of Mitigation:

Elevation	Noise Source	Level of Sound Reduction
All Facades	Road traffic & PH car park, garden	35dBA Will be lower for majority of time & at the facade but assume the same level of mitigation – using various levels of calculations

13 Building Specifications:

13.1 It is recommended that the dwellings are ventilated with MVHR units (with summer bypass). These will ensure the dwellings can be ventilated when the windows are closed.

Make	Model	Type
Vent-Axia	Sentinel Kinetic Plus	Whole House Ventilation
Titon	HRV1.25 Q Plus with Trimbox NO2 Filter®	Whole House Ventilation
Nuaire	MRXBOXAB-ECO2B Wall Mounted MVHR	Whole House Ventilation

Another option may be something similar to a wall mounted ventilator, such as:

Make	Model	Type
Titon Direct	Sonair F+	Wall mounted acoustic Ventilation

Product	Sound Reduction - open	Sound reduction - closed
RW Simon Acoustic EHA trickle vent	36dB	38dB

A natural ventilation system such as the Monodraught Resivent Zero – with sound reduction values between 19-36dB (dependent on model installed) could also be discussed and implemented.

13.2 Façade Detail – The proposed façade is believed to be something similar to: - Aggregate block cavity wall, minimum 100mm blocks (minimum density 1350kg/m³), minimum 75mm cavity between leaves, finished with 13mm plaster. This system should achieve a sound reduction of between 50-52dB DnT,w + Ctr 'Code of Practice BS8233: 2014, Page 60 – Table E.1B – Airborne sound insulation of walls and partitions'. Also, a cavity wall system comprising of 7N concrete blocks (two separate frames), have a sound reduction of approximately 53dB (predicted weighted sound reduction index values of Celcon Blockwork – from H&H Celcon).

13.3 Roof Detail – The proposed roof detail is believed to be similar to: Tiles on felt, pitched roof with 100mm mineral wool on plasterboard ceiling. This system should achieve a sound reduction of 43dB R_w 'BS8233: 2014, page 41 - Table 8 - The sound insulation of roofs'.

13.4 Windows - The proposed windows to be used is unknown but standard double-glazed systems offer a sound reduction of between 30-35dB. A level of 35dBA has been determined from the various calculations (should exceed requirements) and thus the specifications listed below will offer this level of reduction.

Possible Units	Thickness	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Overall reduction
SG Solaglass 6-20-10	36mm	26	30	35	39	35	44	37-2=35dB
SG Solaglass 6-24-10	40mm	25	31	37	40	36	45	38-3=35dB

13.5 There are many other suitable products, and the client will have to show compliance for the windows before installation, the manufacturer will have the acoustic data for the windows.



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

14 Results Summary:

14.1 The findings of this survey indicate that the noise associated with the road traffic, public house garden & car park will not have an adverse impact on the residential dwelling, providing the necessary mitigation measures are applied to the site. The measured levels on site indicate no adverse impact and a generally low acoustic environment, the introduction of bespoke calculations using data from similar sites has assumed worst case scenario and thus listed suitable mitigation measures for both scenarios.

14.2 The results of the various detailed calculations indicate that the noise emissions associated with the car park & public house will not have an adverse impact on the proposed residential dwelling. The levels of sound reduction required for the proposed dwelling is clearly listed and can easily be achieved.

14.3 The mitigation measures listed within this report offer suitable sound reduction for the necessary building elements and if they are implemented throughout the site then the future residents should be able to enjoy a reasonable standard of living. Upon implementation of the mitigation measures, the internal & external criteria of BS8233: 2014 should be met within the noise sensitive bedrooms at the proposed development. In addition to the above, there are no clear British Standards for assessing public house noise and therefore this report has included a variety of methods to assess the impact of the noise and used other data from similar sites too in order to achieve a suitable level of mitigation.

14.4 Planning ProPG states that a good acoustic design process is a vital part of new developments. The client has taken steps to ensure that the future occupants are protected from the noise source, these steps include:

- 1 Careful configuration of dwelling – principal bedrooms located away from the PH garden & car park
- 2 Measures applied to the dwellings to improve overheating & ventilation
- 3 Install a robust glazing system to the dwelling to protect the residents from the external noise emissions when closed
- 4 Alternative ventilation installed to dwelling to ensure ventilation when windows closed (although it can be naturally ventilated via open windows)
- 5 1.8m high acoustic fence erected along the boundary between the dwelling garden & the decking area & car park

14.5 The measures taken by the client, should ensure the future residents will not be adversely affected by the noise sources associated with the public house & car park.

14.6 The L_{Amax} levels have been assessed in numerous ways, and it is accepted that these levels are sometimes relatively high, but this report has offered suitable mitigation measures that can be implemented to ensure the future residents are not adversely affected by the noise associated with the public house and car doors closing etc. The venue can also help to control these elements by asking the patrons to leave quietly etc.

14.7 Whilst this report offers alternative ventilation systems for the scheme, this is not meant to ensure the dwellings are solely reliant on such. There are facades of the dwelling that will be able to be naturally ventilated for long periods of the day time and night time via open windows, the purpose of the alternative ventilation system is to ensure suitable levels of ventilation inside the dwellings during the periods when the windows are closed. It is essential to strike balance between noise, overheating & ventilation and this report offers such measures. The measured night time values for L_{Aeq} and L_{Amax} indicate that the dwelling will not be exposed to overheating as the dwelling can be naturally ventilated with open windows, meeting the criteria in paragraph 3.3 for the night time period.

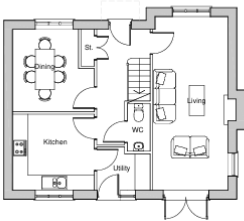


AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

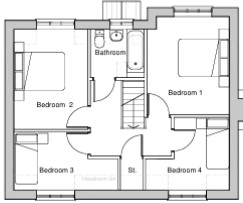
15 Proposed Site Plan and elevations:



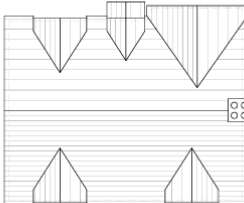
House 1
486P @ 110m²



Proposed
Ground Floor Plan



Proposed
First Floor Plan



Proposed
Roof Plan

External Materials

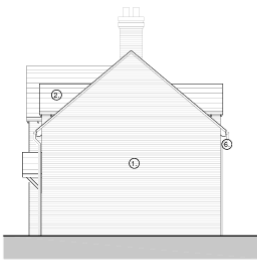
- 1 Red facing brickwork.
- 2 Brown plain clay roof tiles.
- 3 White painted timber casement windows.
- 4 White painted timber doors.
- 5 White painted timber fascia, soffit and bargeboards.
- 6 Black UPVC rainwater goods.
- 7 Curved red brick window heads.

★ Notes:-

Denotes obscured glazing



Proposed
North Elevation



Proposed
West Elevation



Proposed
South Elevation



Proposed
East Elevation



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

16 APPENDIX

Continuous equivalent noise level, LAeq — The steady noise level (usually in dBA) which, over the period of time under consideration, contains the same amount of sound energy as the time varying noise.

L_{Amax} - The maximum value that the A-weighted sound pressure level reaches during a measurement period.

dB (A) — The A-weighted sound pressure level.

Decibel (dB) — A unit used for many acoustic qualities to indicate the level of sound with respect to a reference level.

A-weighting — A frequency weighting that relates to the response of the human ear.

Background noise level — Prevailing noise level in a specified environment measured in the absence of the noise being studied.

Habitable Room — A room used for sleeping or recreation/relaxation

D_{ne,w} Weighted element normalised level difference — A single-number quantity which characterises the airborne sound insulation of a small building elements.

EPU — Environmental Protection Unit

R_w Weighted sound reduction index — A single-number quantity which characterises the airborne sound insulation of a material or building element measured in the laboratory.

LA₁₀ — The A-weighted noise level exceeded for 10% of the measurement duration.

LA₉₀ - The A-weighted noise level exceeded for 90% of the measurement duration.

British Standards & associated documents:

Code of Practice: BS8233: 2014 - Sound Insulation and noise reduction for buildings.

World Health Organization (WHO) - Guidelines for Community Noise.

Pro PG — Planning & Noise, Residential Development — 2017



AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

17 Google Earth:





AIRTIGHT & NOISECHECK LIMITED ACOUSTICS TESTING

Time Period	LAeq	LAmx
(2025/08/15 09:51:02.00)	43.5	61.1
(2025/08/15 09:54:02.00)	44.2	68.2
(2025/08/15 09:57:02.00)	47.1	58.3
(2025/08/15 10:00:02.00)	42.2	55.7
(2025/08/15 10:03:02.00)	52	63.2
(2025/08/15 10:06:02.00)	45.7	58.8
(2025/08/15 10:09:02.00)	50.1	64.9
(2025/08/15 10:12:02.00)	49.5	60.3
(2025/08/15 10:15:02.00)	43.6	53.2
(2025/08/15 10:18:02.00)	47.1	57.7
(2025/08/15 10:21:02.00)	41.2	48.5
(2025/08/15 10:24:02.00)	41.1	51.3
(2025/08/15 10:27:02.00)	47.3	62
(2025/08/15 10:30:02.00)	43.7	57.3
(2025/08/15 10:33:02.00)	48.3	64.1
(2025/08/15 10:36:02.00)	46.6	60.3
(2025/08/15 10:39:02.00)	46.3	61.1
(2025/08/15 10:42:02.00)	49.6	64.6
(2025/08/15 10:45:02.00)	48.1	62
(2025/08/15 10:48:02.00)	42.2	50.8
(2025/08/15 10:51:02.00)	45.5	56.9
(2025/08/15 10:54:02.00)	42.9	52.8
(2025/08/15 10:57:02.00)	40.4	50.4
(2025/08/15 11:00:02.00)	42.5	52.9
(2025/08/15 11:03:02.00)	45.3	66.9
(2025/08/15 11:06:02.00)	43.7	55.1
(2025/08/15 11:09:02.00)	43.3	52.9
(2025/08/15 11:12:02.00)	45.1	61.8
(2025/08/15 11:15:02.00)	48.9	66.8
(2025/08/15 11:18:02.00)	42.5	56.2
(2025/08/15 11:21:02.00)	39.5	48.8
(2025/08/15 11:24:02.00)	44.5	57.7
(2025/08/15 11:27:02.00)	46.9	60.7
(2025/08/15 11:30:02.00)	44.7	56.5
(2025/08/15 11:33:02.00)	40.9	52
(2025/08/15 11:36:02.00)	43.6	55
(2025/08/15 11:39:02.00)	46.1	63.2
(2025/08/15 11:42:02.00)	41.9	55
(2025/08/15 11:45:02.00)	45.2	57.1
(2025/08/15 11:48:02.00)	50.4	64.6
(2025/08/15 11:51:02.00)	47.1	56.7
(2025/08/15 11:54:02.00)	48	64.4



(2025/08/15 11:57:02.00)	45	55.9
(2025/08/15 12:00:02.00)	43.1	54.1
(2025/08/15 12:03:02.00)	48	61.6
(2025/08/15 12:06:02.00)	43.9	56.8
(2025/08/15 12:09:02.00)	44.3	53
(2025/08/15 12:12:02.00)	49.5	62.1
(2025/08/15 12:15:02.00)	48.4	69.5
(2025/08/15 12:18:02.00)	54.8	78.6
(2025/08/15 12:21:02.00)	49.4	73.9
(2025/08/15 12:24:02.00)	43	52.7
(2025/08/15 12:27:02.00)	44.7	56.9
(2025/08/15 12:30:02.00)	53.5	77.7
(2025/08/15 12:33:02.00)	55.2	80.9
(2025/08/15 12:36:02.00)	51.9	72.9
(2025/08/15 12:39:02.00)	55.8	79.9
(2025/08/15 12:42:02.00)	52.7	79.6
(2025/08/15 12:45:02.00)	43.3	53
(2025/08/15 12:48:02.00)	46.7	56.9
(2025/08/15 12:51:02.00)	52.8	64.5
(2025/08/15 12:54:02.00)	44.9	55.4
(2025/08/15 12:57:02.00)	46	59.4
(2025/08/15 13:00:02.00)	43.7	53.4
(2025/08/15 13:03:02.00)	54.2	73.4
(2025/08/15 13:06:02.00)	55.4	76.5
(2025/08/15 13:09:02.00)	53.5	72.9
(2025/08/15 13:12:02.00)	52.4	73.1
(2025/08/15 13:15:02.00)	47.1	69.7
(2025/08/15 13:18:02.00)	48.4	59.9
(2025/08/15 13:21:02.00)	50.1	62.3
(2025/08/15 13:24:02.00)	43.6	55.5
(2025/08/15 13:27:02.00)	45.1	56.6
(2025/08/15 13:30:02.00)	41.9	51.5
(2025/08/15 13:33:02.00)	41.3	50
(2025/08/15 13:36:02.00)	44.3	61.2
(2025/08/15 13:39:02.00)	44.1	54.7
(2025/08/15 13:42:02.00)	48.1	59.2
(2025/08/15 13:45:02.00)	48.2	58.8
(2025/08/15 13:48:02.00)	45.9	60
(2025/08/15 13:51:02.00)	50.2	63.5
(2025/08/15 13:54:02.00)	48.5	64.1
(2025/08/15 13:57:02.00)	42.9	53
(2025/08/15 14:00:02.00)	42.7	50.7
(2025/08/15 14:03:02.00)	42.6	52.6
(2025/08/15 14:06:02.00)	44.9	57.4
(2025/08/15 14:09:02.00)	44.5	59.8



(2025/08/15 14:12:02.00)	46.4	57.5
(2025/08/15 14:15:02.00)	47.5	60.9
(2025/08/15 14:18:02.00)	48.3	61.2
(2025/08/15 14:21:02.00)	45.4	60.8
(2025/08/15 14:24:02.00)	44.9	56
(2025/08/15 14:27:02.00)	39.8	55.2
(2025/08/15 14:30:02.00)	43.9	56.1
(2025/08/15 14:33:02.00)	47.3	61.8
(2025/08/15 14:36:02.00)	48.4	62.7
(2025/08/15 14:39:02.00)	43.8	54.2
(2025/08/15 14:42:02.00)	48	67.6
(2025/08/15 14:45:02.00)	41	50.8
(2025/08/15 14:48:02.00)	47.6	61.2
(2025/08/15 14:51:02.00)	50.3	64.9
(2025/08/15 14:54:02.00)	49.7	64.5
(2025/08/15 14:57:02.00)	42	54.6
(2025/08/15 15:00:02.00)	49.6	64.1
(2025/08/15 15:03:02.00)	45.9	58.4
(2025/08/15 15:06:02.00)	50	64
(2025/08/15 15:09:02.00)	45.7	61
(2025/08/15 15:12:02.00)	49	59.5
(2025/08/15 15:15:02.00)	44.3	59.2
(2025/08/15 15:18:02.00)	45.4	58.5
(2025/08/15 15:21:02.00)	47	58.8
(2025/08/15 15:24:02.00)	46.1	55.6
(2025/08/15 15:27:02.00)	46.8	60.7
(2025/08/15 15:30:02.00)	50.2	64.9
(2025/08/15 15:33:02.00)	42.6	53.5
(2025/08/15 15:36:02.00)	44.5	56.4
(2025/08/15 15:39:02.00)	48.8	61.4
(2025/08/15 15:42:02.00)	46.6	63.1
(2025/08/15 15:45:02.00)	44.4	59.9
(2025/08/15 15:48:02.00)	44.7	59.9
(2025/08/15 15:51:02.00)	43.8	57.1
(2025/08/15 15:54:02.00)	47.5	60
(2025/08/15 15:57:02.00)	44.9	54.9
(2025/08/15 16:00:02.00)	44.2	53.8
(2025/08/15 16:03:02.00)	48.3	59.2
(2025/08/15 16:06:02.00)	53.6	78.5
(2025/08/15 16:09:02.00)	45.7	55.3
(2025/08/15 16:12:02.00)	49	62.3
(2025/08/15 16:15:02.00)	46.4	58.1
(2025/08/15 16:18:02.00)	52.7	66.8
(2025/08/15 16:21:02.00)	46.7	61.5
(2025/08/15 16:24:02.00)	49.8	63.8



(2025/08/15 16:27:02.00)	49.8	61.7
(2025/08/15 16:30:02.00)	48.5	63
(2025/08/15 16:33:02.00)	52.8	63.3
(2025/08/15 16:36:02.00)	50.7	64.8
(2025/08/15 16:39:02.00)	62	84
(2025/08/15 16:42:02.00)	59.7	76.6
(2025/08/15 16:45:02.00)	55.2	72.3
(2025/08/15 16:48:02.00)	53.7	73.2
(2025/08/15 16:51:02.00)	57.3	75.4
(2025/08/15 16:54:02.00)	53.8	75.3
(2025/08/15 16:57:02.00)	54.3	72.5
(2025/08/15 17:00:02.00)	55	73.3
(2025/08/15 17:03:02.00)	61.9	79.5
(2025/08/15 17:06:02.00)	63.1	85.6
(2025/08/15 17:09:02.00)	56.4	75.8
(2025/08/15 17:12:02.00)	55.3	71.8
(2025/08/15 17:15:02.00)	55.8	70.4
(2025/08/15 17:18:02.00)	60.2	82.5
(2025/08/15 17:21:02.00)	55.2	72
(2025/08/15 17:24:02.00)	58.1	82.3
(2025/08/15 17:27:02.00)	54.6	68.6
(2025/08/15 17:30:02.00)	53.4	73.6
(2025/08/15 17:33:02.00)	50.6	69.3
(2025/08/15 17:36:02.00)	52.8	69.1
(2025/08/15 17:39:02.00)	53.6	67.7
(2025/08/15 17:42:02.00)	55	71.1
(2025/08/15 17:45:02.00)	57.9	76.5
(2025/08/15 17:48:02.00)	64.2	86.2
(2025/08/15 17:51:02.00)	68.9	85.1
(2025/08/15 17:54:02.00)	61.5	81.4
(2025/08/15 17:57:02.00)	62.4	83.6
(2025/08/15 18:00:02.00)	56	80.1
(2025/08/15 18:03:02.00)	62.2	83.5
(2025/08/15 18:06:02.00)	64.3	80.9
(2025/08/15 18:09:02.00)	55.4	72.9
(2025/08/15 18:12:02.00)	48.2	63.5
(2025/08/15 18:15:02.00)	49.5	62.9
(2025/08/15 18:18:02.00)	48.6	63.6
(2025/08/15 18:21:02.00)	44	56
(2025/08/15 18:24:02.00)	47.1	57.8
(2025/08/15 18:27:02.00)	51.5	75.6
(2025/08/15 18:30:02.00)	44	59.9
(2025/08/15 18:33:02.00)	43.4	53.9
(2025/08/15 18:36:02.00)	48.2	63.1
(2025/08/15 18:39:02.00)	48.2	60.5



(2025/08/15 18:42:02.00)	46	59.4
(2025/08/15 18:45:02.00)	44.6	52.5
(2025/08/15 18:48:02.00)	49.1	61.8
(2025/08/15 18:51:02.00)	51.3	63.6
(2025/08/15 18:54:02.00)	47.2	56.8
(2025/08/15 18:57:02.00)	47.5	70.8
(2025/08/15 19:00:02.00)	45.4	64.2
(2025/08/15 19:03:02.00)	45.9	53.2
(2025/08/15 19:06:02.00)	42.7	51.1
(2025/08/15 19:09:02.00)	45.3	56.2
(2025/08/15 19:12:02.00)	49.3	61
(2025/08/15 19:15:02.00)	42.5	50.3
(2025/08/15 19:18:02.00)	47.7	58
(2025/08/15 19:21:02.00)	48.1	67.6
(2025/08/15 19:24:02.00)	50.5	69.1
(2025/08/15 19:27:02.00)	48.7	66
(2025/08/15 19:30:02.00)	50.9	69.1
(2025/08/15 19:33:02.00)	45.2	60.9
(2025/08/15 19:36:02.00)	52.4	63.8
(2025/08/15 19:39:02.00)	45.9	55.2
(2025/08/15 19:42:02.00)	44.7	53.3
(2025/08/15 19:45:02.00)	46	53.9
(2025/08/15 19:48:02.00)	42.5	51.2
(2025/08/15 19:51:02.00)	46.3	56.7
(2025/08/15 19:54:02.00)	44.6	58.4
(2025/08/15 19:57:02.00)	44.7	58.7
(2025/08/15 20:00:02.00)	43.5	55.4
(2025/08/15 20:03:02.00)	44.1	53.7
(2025/08/15 20:06:02.00)	44.8	53.9
(2025/08/15 20:09:02.00)	46.2	65.6
(2025/08/15 20:12:02.00)	46.9	60.8
(2025/08/15 20:15:02.00)	47.3	59
(2025/08/15 20:18:02.00)	47.3	59.9
(2025/08/15 20:21:02.00)	47.8	58.4
(2025/08/15 20:24:02.00)	45.1	57.5
(2025/08/15 20:27:02.00)	55.4	79.9
(2025/08/15 20:30:02.00)	44	57
(2025/08/15 20:33:02.00)	41.9	51.8
(2025/08/15 20:36:02.00)	43.7	51.6
(2025/08/15 20:39:02.00)	43.7	58
(2025/08/15 20:42:02.00)	43.6	55.8
(2025/08/15 20:45:02.00)	45.9	61.5
(2025/08/15 20:48:02.00)	45.3	59.3
(2025/08/15 20:51:02.00)	44.9	57.3
(2025/08/15 20:54:02.00)	46.6	55.6



(2025/08/15 20:57:02.00)	43.4	53.9
(2025/08/15 21:00:02.00)	44	54.6
(2025/08/15 21:03:02.00)	46.3	56.1
(2025/08/15 21:06:02.00)	40.7	50.8
(2025/08/15 21:09:02.00)	42.5	50.2
(2025/08/15 21:12:02.00)	43.4	53.6
(2025/08/15 21:15:02.00)	43.7	52.8
(2025/08/15 21:18:02.00)	42.8	54.8
(2025/08/15 21:21:02.00)	41.2	55.6
(2025/08/15 21:24:02.00)	47	57.2
(2025/08/15 21:27:02.00)	45.9	57.7
(2025/08/15 21:30:02.00)	47.4	57.2
(2025/08/15 21:33:02.00)	44.5	55.5
(2025/08/15 21:36:02.00)	45.5	58.9
(2025/08/15 21:39:02.00)	42.6	54.3
(2025/08/15 21:42:02.00)	43.4	55.2
(2025/08/15 21:45:02.00)	44.3	55.8
(2025/08/15 21:48:02.00)	53.7	75.7
(2025/08/15 21:51:02.00)	43.8	54.5
(2025/08/15 21:54:02.00)	41.3	50.7
(2025/08/15 21:57:02.00)	41.2	55.1
(2025/08/15 22:00:02.00)	40.4	50.4
(2025/08/15 22:03:02.00)	41	52.2
(2025/08/15 22:06:02.00)	43.9	54.7
(2025/08/15 22:09:02.00)	45.9	57
(2025/08/15 22:12:02.00)	44.9	54.3
(2025/08/15 22:15:02.00)	44.9	55.8
(2025/08/15 22:18:02.00)	45.8	54.3
(2025/08/15 22:21:02.00)	46.1	60.2
(2025/08/15 22:24:02.00)	42.8	67.4
(2025/08/15 22:27:02.00)	43.3	53.3
(2025/08/15 22:30:02.00)	45.3	63.1
(2025/08/15 22:33:02.00)	40.9	50.6
(2025/08/15 22:36:02.00)	41.5	50.2
(2025/08/15 22:39:02.00)	44.3	57.3
(2025/08/15 22:42:02.00)	44	54.6
(2025/08/15 22:45:02.00)	43.8	55.4
(2025/08/15 22:48:02.00)	47.1	59
(2025/08/15 22:51:02.00)	44.8	55.6
(2025/08/15 22:54:02.00)	44.4	56.2
(2025/08/15 22:57:02.00)	44.6	53.5
(2025/08/15 23:00:02.00)	45.1	58.4
(2025/08/15 23:03:02.00)	39	47.4
(2025/08/15 23:06:02.00)	42.1	53.8
(2025/08/15 23:09:02.00)	46.4	62.6



(2025/08/15 23:12:02.00)	41.2	52.8
(2025/08/15 23:15:02.00)	47.9	60.7
(2025/08/15 23:18:02.00)	40.2	51.8
(2025/08/15 23:21:02.00)	39.5	49.7
(2025/08/15 23:24:02.00)	38.9	48.5
(2025/08/15 23:27:02.00)	39.6	53.5
(2025/08/15 23:30:02.00)	39.7	45.7
(2025/08/15 23:33:02.00)	41.2	59.8
(2025/08/15 23:36:02.00)	42	61.7
(2025/08/15 23:39:02.00)	46.8	70.9
(2025/08/15 23:42:02.00)	47.8	60.1
(2025/08/15 23:45:02.00)	36	56.6
(2025/08/15 23:48:02.00)	47.7	63.1
(2025/08/15 23:51:02.00)	31.6	40.5
(2025/08/15 23:54:02.00)	49	67.5
(2025/08/15 23:57:02.00)	45.5	57.5
(2025/08/16 00:00:02.00)	32.3	34.9
(2025/08/16 00:03:02.00)	37.7	57.8
(2025/08/16 00:06:02.00)	32.8	40.7
(2025/08/16 00:09:02.00)	29.4	37.8
(2025/08/16 00:12:02.00)	32.7	41.3
(2025/08/16 00:15:02.00)	34.1	37.7
(2025/08/16 00:18:02.00)	34.2	38.3
(2025/08/16 00:21:02.00)	33.8	39.7
(2025/08/16 00:24:02.00)	32.6	35.7
(2025/08/16 00:27:02.00)	32.4	35.1
(2025/08/16 00:30:02.00)	31.3	39.7
(2025/08/16 00:33:02.00)	33.8	45.2
(2025/08/16 00:36:02.00)	32.6	38.1
(2025/08/16 00:39:02.00)	37.1	51.3
(2025/08/16 00:42:02.00)	32.8	34.9
(2025/08/16 00:45:02.00)	34.2	39.1
(2025/08/16 00:48:02.00)	34	40.8
(2025/08/16 00:51:02.00)	34.2	41.2
(2025/08/16 00:54:02.00)	39.5	54.8
(2025/08/16 00:57:02.00)	34.4	39.8
(2025/08/16 01:00:02.00)	33.4	47
(2025/08/16 01:03:02.00)	29.6	36.3
(2025/08/16 01:06:02.00)	26.9	35.5
(2025/08/16 01:09:02.00)	31.2	44.5
(2025/08/16 01:12:02.00)	32.9	37.2
(2025/08/16 01:15:02.00)	32.3	35.7
(2025/08/16 01:18:02.00)	37.5	47.4
(2025/08/16 01:21:02.00)	34.4	36.3
(2025/08/16 01:24:02.00)	30.8	36.6



(2025/08/16 01:27:02.00)	29.8	37.5
(2025/08/16 01:30:02.00)	31	45.7
(2025/08/16 01:33:02.00)	35.1	48
(2025/08/16 01:36:02.00)	33.3	45.8
(2025/08/16 01:39:02.00)	37	44.5
(2025/08/16 01:42:02.00)	39.5	48
(2025/08/16 01:45:02.00)	42.6	50.1
(2025/08/16 01:48:02.00)	39.5	47.1
(2025/08/16 01:51:02.00)	39.2	46.1
(2025/08/16 01:54:02.00)	38.2	45.9
(2025/08/16 01:57:02.00)	36.4	46.5
(2025/08/16 02:00:02.00)	39.2	52.4
(2025/08/16 02:03:02.00)	36.5	41.2
(2025/08/16 02:06:02.00)	33.9	37.4
(2025/08/16 02:09:02.00)	32.3	37.1
(2025/08/16 02:12:02.00)	33	37.8
(2025/08/16 02:15:02.00)	36.1	45.9
(2025/08/16 02:18:02.00)	33.1	37.7
(2025/08/16 02:21:02.00)	33.5	44
(2025/08/16 02:24:02.00)	37.9	46.3
(2025/08/16 02:27:02.00)	35.3	43.3
(2025/08/16 02:30:02.00)	33.6	38.9
(2025/08/16 02:33:02.00)	34.2	47.2
(2025/08/16 02:36:02.00)	34.6	48.2
(2025/08/16 02:39:02.00)	35	43.4
(2025/08/16 02:42:02.00)	33.8	37
(2025/08/16 02:45:02.00)	35.8	44.4
(2025/08/16 02:48:02.00)	35.4	40.1
(2025/08/16 02:51:02.00)	31.9	36.3
(2025/08/16 02:54:02.00)	31.9	34.7
(2025/08/16 02:57:02.00)	32.5	41
(2025/08/16 03:00:02.00)	36	43
(2025/08/16 03:03:02.00)	33.5	41.9
(2025/08/16 03:06:02.00)	34.1	42
(2025/08/16 03:09:02.00)	31.9	35.7
(2025/08/16 03:12:02.00)	37.3	42.8
(2025/08/16 03:15:02.00)	36.5	45.7
(2025/08/16 03:18:02.00)	33.7	40.7
(2025/08/16 03:21:02.00)	35.6	45.8
(2025/08/16 03:24:02.00)	33.8	39.3
(2025/08/16 03:27:02.00)	35.9	41.2
(2025/08/16 03:30:02.00)	37.8	42.6
(2025/08/16 03:33:02.00)	32	39.7
(2025/08/16 03:36:02.00)	31.1	36.9
(2025/08/16 03:39:02.00)	28.5	34.4



(2025/08/16 03:42:02.00)	32.4	35.8
(2025/08/16 03:45:02.00)	31.6	34.8
(2025/08/16 03:48:02.00)	34.2	38.2
(2025/08/16 03:51:02.00)	33.7	39.9
(2025/08/16 03:54:02.00)	30.4	34.7
(2025/08/16 03:57:02.00)	25.6	39.8
(2025/08/16 04:00:02.00)	24.9	32.5
(2025/08/16 04:03:02.00)	31.7	36.2
(2025/08/16 04:06:02.00)	31.3	34.4
(2025/08/16 04:09:02.00)	33.5	34.9
(2025/08/16 04:12:02.00)	33.6	47.3
(2025/08/16 04:15:02.00)	32.8	36.5
(2025/08/16 04:18:02.00)	27.8	37.6
(2025/08/16 04:21:02.00)	29.3	40.9
(2025/08/16 04:24:02.00)	28.9	38.7
(2025/08/16 04:27:02.00)	25.5	35
(2025/08/16 04:30:02.00)	33.3	36.3
(2025/08/16 04:33:02.00)	33.7	36.1
(2025/08/16 04:36:02.00)	38	53.2
(2025/08/16 04:39:02.00)	32.1	48.7
(2025/08/16 04:42:02.00)	31.7	36.5
(2025/08/16 04:45:02.00)	27	34.1
(2025/08/16 04:48:02.00)	22.9	26
(2025/08/16 04:51:02.00)	27.4	41.5
(2025/08/16 04:54:02.00)	32.9	36.8
(2025/08/16 04:57:02.00)	35	43.7
(2025/08/16 05:00:02.00)	33.7	38
(2025/08/16 05:03:02.00)	33.5	41
(2025/08/16 05:06:02.00)	34.8	47.7
(2025/08/16 05:09:02.00)	32.1	41.7
(2025/08/16 05:12:02.00)	36.6	51.8
(2025/08/16 05:15:02.00)	34.9	40.4
(2025/08/16 05:18:02.00)	36.5	48.2
(2025/08/16 05:21:02.00)	40.1	53.7
(2025/08/16 05:24:02.00)	41.1	51.9
(2025/08/16 05:27:02.00)	42.9	57.6
(2025/08/16 05:30:02.00)	39.1	51.5
(2025/08/16 05:33:02.00)	42.1	60.2
(2025/08/16 05:36:02.00)	40.8	55.4
(2025/08/16 05:39:02.00)	38.7	47
(2025/08/16 05:42:02.00)	39.6	54.1
(2025/08/16 05:45:02.00)	44.9	57.2
(2025/08/16 05:48:02.00)	46.3	57.9
(2025/08/16 05:51:02.00)	46.6	62.4
(2025/08/16 05:54:02.00)	43.2	57.4



(2025/08/16 05:57:02.00)	40.5	51.4
(2025/08/16 06:00:02.00)	44.7	56
(2025/08/16 06:03:02.00)	42.7	55.5
(2025/08/16 06:06:02.00)	43.9	56
(2025/08/16 06:09:02.00)	51	69.6
(2025/08/16 06:12:02.00)	44.3	60.8
(2025/08/16 06:15:02.00)	46.5	68
(2025/08/16 06:18:02.00)	42.1	55
(2025/08/16 06:21:02.00)	41.1	58.4
(2025/08/16 06:24:02.00)	43.4	58
(2025/08/16 06:27:02.00)	42.6	55.9
(2025/08/16 06:30:02.00)	50.2	62.5
(2025/08/16 06:33:02.00)	51	63.5
(2025/08/16 06:36:02.00)	45.8	67.4
(2025/08/16 06:39:02.00)	44.9	55.9
(2025/08/16 06:42:02.00)	44.9	57.3
(2025/08/16 06:45:02.00)	42.8	51.2
(2025/08/16 06:48:02.00)	44.7	58.7
(2025/08/16 06:51:02.00)	44.3	55.2
(2025/08/16 06:54:02.00)	47.5	60.8
(2025/08/16 06:57:02.00)	49.4	59.1
(2025/08/16 07:00:02.00)	51.6	63.2
(2025/08/16 07:03:02.00)	52.5	61.5
(2025/08/16 07:06:02.00)	52.4	64
(2025/08/16 07:09:02.00)	45.3	55.4
(2025/08/16 07:12:02.00)	46.3	57.3
(2025/08/16 07:15:02.00)	48.5	66
(2025/08/16 07:18:02.00)	43.7	60.5
(2025/08/16 07:21:02.00)	45.1	60.8
(2025/08/16 07:24:02.00)	47.3	61.8
(2025/08/16 07:27:02.00)	45.4	58.5
(2025/08/16 07:30:02.00)	40.5	48.8
(2025/08/16 07:33:02.00)	38.6	53.4
(2025/08/16 07:36:02.00)	46	60
(2025/08/16 07:39:02.00)	47	59.1
(2025/08/16 07:42:02.00)	41.2	56.5
(2025/08/16 07:45:02.00)	44.4	56.8
(2025/08/16 07:48:02.00)	41.2	53.8
(2025/08/16 07:51:02.00)	48	61
(2025/08/16 07:54:02.00)	49.3	61.8
(2025/08/16 07:57:02.00)	44.7	55.2
(2025/08/16 08:00:02.00)	48.2	63.6
(2025/08/16 08:03:02.00)	40.4	56.1
(2025/08/16 08:06:02.00)	41.6	62.4
(2025/08/16 08:09:02.00)	49.6	67.1



(2025/08/16 08:12:02.00)	43	57.5
(2025/08/16 08:15:02.00)	46.4	61.1
(2025/08/16 08:18:02.00)	45.2	60.9
(2025/08/16 08:21:02.00)	40.5	52.4
(2025/08/16 08:24:02.00)	41.3	48
(2025/08/16 08:27:02.00)	44.3	63
(2025/08/16 08:30:02.00)	44.6	56.7
(2025/08/16 08:33:02.00)	40.5	49.3
(2025/08/16 08:36:02.00)	42.2	56.4
(2025/08/16 08:39:02.00)	42.2	55.7
(2025/08/16 08:42:02.00)	40.7	51.2
(2025/08/16 08:45:02.00)	38.5	44.7
(2025/08/16 08:48:02.00)	41.9	56.6
(2025/08/16 08:51:02.00)	38.5	48.1
(2025/08/16 08:54:02.00)	39.7	49.9
(2025/08/16 08:57:02.00)	53	66.3
(2025/08/16 09:00:02.00)	40.7	54.1
(2025/08/16 09:03:02.00)	40.9	52.9
(2025/08/16 09:06:02.00)	41	48
(2025/08/16 09:09:02.00)	46.7	58.4
(2025/08/16 09:12:02.00)	46.3	58.7
(2025/08/16 09:15:02.00)	48	62.9
(2025/08/16 09:18:02.00)	48.2	58.1
(2025/08/16 09:21:02.00)	48.3	59.6
(2025/08/16 09:24:02.00)	40.4	56.4
(2025/08/16 09:27:02.00)	45.4	57.4
(2025/08/16 09:30:02.00)	44.7	56.8
(2025/08/16 09:33:02.00)	38.8	49.7
(2025/08/16 09:36:02.00)	42.7	58.3
(2025/08/16 09:39:02.00)	48.1	61.1
(2025/08/16 09:42:02.00)	44.4	57.4
(2025/08/16 09:45:02.00)	47.1	59.8
(2025/08/16 09:48:02.00)	50.1	60.1
(2025/08/16 09:51:02.00)	47.6	58.6
(2025/08/16 09:54:02.00)	48.6	60.1
(2025/08/16 09:57:02.00)	46.7	57.9
(2025/08/16 10:00:02.00)	45.7	60.3
(2025/08/16 10:03:02.00)	44.4	56.8
(2025/08/16 10:06:02.00)	44.7	56.3
(2025/08/16 10:09:02.00)	41.4	56
(2025/08/16 10:12:02.00)	45.4	60.8
(2025/08/16 10:15:02.00)	45.5	64.2
(2025/08/16 10:18:02.00)	45	54.9
(2025/08/16 10:21:02.00)	46.1	56.9
(2025/08/16 10:24:02.00)	46.6	59.8



(2025/08/16 10:27:02.00)	48.2	59.9
(2025/08/16 10:30:02.00)	61	77.1
(2025/08/16 10:33:02.00)	49.9	66
(2025/08/16 10:36:02.00)	43.4	58.1
(2025/08/16 10:39:02.00)	44.8	57.3
(2025/08/16 10:42:02.00)	49	60.3
(2025/08/16 10:45:02.00)	46.3	58
(2025/08/16 10:48:02.00)	43.7	56.2
(2025/08/16 10:51:02.00)	47.9	59.5
(2025/08/16 10:54:02.00)	42.1	52.3
(2025/08/16 10:57:02.00)	43.3	62.9
(2025/08/16 11:00:02.00)	42.8	57.8
(2025/08/16 11:03:02.00)	40.3	49.4
(2025/08/16 11:06:02.00)	49.1	60.4
(2025/08/16 11:09:02.00)	46.8	58.6
(2025/08/16 11:12:02.00)	46.4	58
(2025/08/16 11:15:02.00)	44.2	58.2
(2025/08/16 11:18:02.00)	44.8	58.5
(2025/08/16 11:21:02.00)	43.5	56
(2025/08/16 11:24:02.00)	46.2	57.1
(2025/08/16 11:27:02.00)	47.1	58.3
(2025/08/16 11:30:02.00)	42.8	59.5
(2025/08/16 11:33:02.00)	46.4	60
(2025/08/16 11:36:02.00)	42.9	54.5
(2025/08/16 11:39:02.00)	44.9	55.3
(2025/08/16 11:42:02.00)	41	48.3
(2025/08/16 11:45:02.00)	41.4	53
(2025/08/16 11:48:02.00)	43.4	54.5
(2025/08/16 11:51:02.00)	43.8	55.9
(2025/08/16 11:54:02.00)	42.5	53.2
(2025/08/16 11:57:02.00)	48.7	65.5
(2025/08/16 12:00:02.00)	49.3	58.7
(2025/08/16 12:03:02.00)	44.9	59.8
(2025/08/16 12:06:02.00)	48.1	58.7
(2025/08/16 12:09:02.00)	44.3	57.2
(2025/08/16 12:12:02.00)	47.1	59.7
(2025/08/16 12:15:02.00)	45.9	58.1
(2025/08/16 12:18:02.00)	41.6	55.2
(2025/08/16 12:21:02.00)	45.2	58.3
(2025/08/16 12:24:02.00)	42.2	58.4
(2025/08/16 12:27:02.00)	41.3	53.3
(2025/08/16 12:30:02.00)	44.9	57.8
(2025/08/16 12:33:02.00)	50.9	67.8
(2025/08/16 12:36:02.00)	44.4	56.3
(2025/08/16 12:39:02.00)	41.8	53.5



(2025/08/16 12:42:02.00)	40.3	52.4
(2025/08/16 12:45:02.00)	45.9	58.6
(2025/08/16 12:48:02.00)	40.3	54.9
(2025/08/16 12:51:02.00)	45.6	62.7
(2025/08/16 12:54:02.00)	42.7	54.3
(2025/08/16 12:57:02.00)	45.8	59
(2025/08/16 13:00:02.00)	46.5	58.9
(2025/08/16 13:03:02.00)	42.9	54.6
(2025/08/16 13:06:02.00)	44.1	55.8
(2025/08/16 13:09:02.00)	47.6	68.4
(2025/08/16 13:12:02.00)	40.4	50.4
(2025/08/16 13:15:02.00)	39.9	46.6
(2025/08/16 13:18:02.00)	47.2	58.1
(2025/08/16 13:21:02.00)	38.9	48.4
(2025/08/16 13:24:02.00)	38	53.4
(2025/08/16 13:27:02.00)	45.2	62.9
(2025/08/16 13:30:02.00)	39.1	50.1
(2025/08/16 13:33:02.00)	39.2	55.8
(2025/08/16 13:36:02.00)	39.6	47.1
(2025/08/16 13:39:02.00)	40.1	52.8
(2025/08/16 13:42:02.00)	46.7	63.8
(2025/08/16 13:45:02.00)	47.1	63
(2025/08/16 13:48:02.00)	38.4	53.9
(2025/08/16 13:51:02.00)	44.1	57.8
(2025/08/16 13:54:02.00)	43.4	60.9
(2025/08/16 13:57:02.00)	39.3	48.2
(2025/08/16 14:00:02.00)	43.2	52.5
(2025/08/16 14:03:02.00)	38.8	49.2
(2025/08/16 14:06:02.00)	42.6	56.2
(2025/08/16 14:09:02.00)	43.6	57.5
(2025/08/16 14:12:02.00)	49.4	59.5
(2025/08/16 14:15:02.00)	49.5	60.5
(2025/08/16 14:18:02.00)	49	60.9
(2025/08/16 14:21:02.00)	51.1	61.1
(2025/08/16 14:24:02.00)	44.6	58.4
(2025/08/16 14:27:02.00)	51.1	65.5
(2025/08/16 14:30:02.00)	43	61.1
(2025/08/16 14:33:02.00)	44.1	56.5
(2025/08/16 14:36:02.00)	43.3	56
(2025/08/16 14:39:02.00)	42.7	55.6
(2025/08/16 14:42:02.00)	43.3	55.6
(2025/08/16 14:45:02.00)	51.3	64.2
(2025/08/16 14:48:02.00)	46.5	61.6
(2025/08/16 14:51:02.00)	43.6	55.7
(2025/08/16 14:54:02.00)	39.1	48.7



(2025/08/16 14:57:02.00)	40.7	49.2
(2025/08/16 15:00:02.00)	44.9	56
(2025/08/16 15:03:02.00)	43.2	58.3
(2025/08/16 15:06:02.00)	45	58.1
(2025/08/16 15:09:02.00)	45.3	57.2
(2025/08/16 15:12:02.00)	40.5	51.2
(2025/08/16 15:15:02.00)	44.3	59.6
(2025/08/16 15:18:02.00)	41.1	53.1
(2025/08/16 15:21:02.00)	39.7	49.4
(2025/08/16 15:24:02.00)	41.2	51.6
(2025/08/16 15:27:02.00)	41.5	55.9
(2025/08/16 15:30:02.00)	45	56.4
(2025/08/16 15:33:02.00)	43.7	56.3
(2025/08/16 15:36:02.00)	40.9	59.7
(2025/08/16 15:39:02.00)	37.9	46.6
(2025/08/16 15:42:02.00)	38.8	59.6
(2025/08/16 15:45:02.00)	48	61.1
(2025/08/16 15:48:02.00)	41.3	50.6
(2025/08/16 15:51:02.00)	43.1	53.7
(2025/08/16 15:54:02.00)	44.9	58.9
(2025/08/16 15:57:02.00)	49.4	65.8
(2025/08/16 16:00:02.00)	49.2	65.4
(2025/08/16 16:03:02.00)	38.8	46.5
(2025/08/16 16:06:02.00)	39.9	48.8
(2025/08/16 16:09:02.00)	39	49.4
(2025/08/16 16:12:02.00)	39.1	46.8
(2025/08/16 16:15:02.00)	45.1	57.6
(2025/08/16 16:18:02.00)	48.3	67.5
(2025/08/16 16:21:02.00)	42	53
(2025/08/16 16:24:02.00)	49.4	61.9
(2025/08/16 16:27:02.00)	48.5	61.4
(2025/08/16 16:30:02.00)	43.8	56.4
(2025/08/16 16:33:02.00)	46.9	58.8
(2025/08/16 16:36:02.00)	47.7	61.5
(2025/08/16 16:39:02.00)	42.9	57.9
(2025/08/16 16:42:02.00)	40.1	50.3
(2025/08/16 16:45:02.00)	42.1	53.7
(2025/08/16 16:48:02.00)	44.4	58
(2025/08/16 16:51:02.00)	46.5	60.8
(2025/08/16 16:54:02.00)	41.1	53.6
(2025/08/16 16:57:02.00)	41.7	58.1
(2025/08/16 17:00:02.00)	49.4	62.7
(2025/08/16 17:03:02.00)	46.9	59.6
(2025/08/16 17:06:02.00)	47.5	60.5
(2025/08/16 17:09:02.00)	44.3	56.2



(2025/08/16 17:12:02.00)	48.7	71.7
(2025/08/16 17:15:02.00)	42.3	60.7
(2025/08/16 17:18:02.00)	40.8	55
(2025/08/16 17:21:02.00)	43.3	60.4
(2025/08/16 17:24:02.00)	46.9	62.5
(2025/08/16 17:27:02.00)	41.5	50.6
(2025/08/16 17:30:02.00)	42.5	55
(2025/08/16 17:33:02.00)	41.1	53.7
(2025/08/16 17:36:02.00)	44.8	54.2
(2025/08/16 17:39:02.00)	43.6	55.5
(2025/08/16 17:42:02.00)	45.8	54.4
(2025/08/16 17:45:02.00)	44.5	55.3
(2025/08/16 17:48:02.00)	47.1	55.9
(2025/08/16 17:51:02.00)	44.8	55
(2025/08/16 17:54:02.00)	45.9	55
(2025/08/16 17:57:02.00)	44.4	54.6
(2025/08/16 18:00:02.00)	45.6	56.6
(2025/08/16 18:03:02.00)	43.4	56.8
(2025/08/16 18:06:02.00)	40.5	52.4
(2025/08/16 18:09:02.00)	43.1	54.9
(2025/08/16 18:12:02.00)	48.5	58.3
(2025/08/16 18:15:02.00)	47.9	61.2
(2025/08/16 18:18:02.00)	47	56.5
(2025/08/16 18:21:02.00)	42.5	55.5
(2025/08/16 18:24:02.00)	43.9	51.4
(2025/08/16 18:27:02.00)	43.5	53.9
(2025/08/16 18:30:02.00)	49.9	64.8
(2025/08/16 18:33:02.00)	48.3	65.8
(2025/08/16 18:36:02.00)	48	63.3
(2025/08/16 18:39:02.00)	42.5	55
(2025/08/16 18:42:02.00)	39.7	50.3
(2025/08/16 18:45:02.00)	43.3	52.9
(2025/08/16 18:48:02.00)	44.2	55.4
(2025/08/16 18:51:02.00)	47.4	60.2
(2025/08/16 18:54:02.00)	44.4	59.7
(2025/08/16 18:57:02.00)	53.6	66.1
(2025/08/16 19:00:02.00)	50.2	66
(2025/08/16 19:03:02.00)	40.8	51.9
(2025/08/16 19:06:02.00)	46.5	59.2
(2025/08/16 19:09:02.00)	45.7	63.5
(2025/08/16 19:12:02.00)	45.2	59
(2025/08/16 19:15:02.00)	45.9	57.6
(2025/08/16 19:18:02.00)	45.6	55.5
(2025/08/16 19:21:02.00)	44.5	52
(2025/08/16 19:24:02.00)	44.1	55.2



(2025/08/16 19:27:02.00)	46.3	55.9
(2025/08/16 19:30:02.00)	46	55.5
(2025/08/16 19:33:02.00)	44.2	51.9
(2025/08/16 19:36:02.00)	44.5	52.7
(2025/08/16 19:39:02.00)	43.2	51.8
(2025/08/16 19:42:02.00)	45.8	55.1
(2025/08/16 19:45:02.00)	42.5	59.4
(2025/08/16 19:48:02.00)	45.3	60.4
(2025/08/16 19:51:02.00)	44.3	59.6
(2025/08/16 19:54:02.00)	51.3	64.1
(2025/08/16 19:57:02.00)	47.2	63.4
(2025/08/16 20:00:02.00)	38.6	47.2
(2025/08/16 20:03:02.00)	44	57.5
(2025/08/16 20:06:02.00)	45.9	58.5
(2025/08/16 20:09:02.00)	43	58.3
(2025/08/16 20:12:02.00)	41.3	60
(2025/08/16 20:15:02.00)	43	58.3
(2025/08/16 20:18:02.00)	41.9	51.6
(2025/08/16 20:21:02.00)	42.4	53.7
(2025/08/16 20:24:02.00)	43.7	54.4
(2025/08/16 20:27:02.00)	49.1	60
(2025/08/16 20:30:02.00)	54.1	75.2
(2025/08/16 20:33:02.00)	41.1	57.7
(2025/08/16 20:36:02.00)	40.2	49.6
(2025/08/16 20:39:02.00)	35.3	48.7
(2025/08/16 20:42:02.00)	37	43.4
(2025/08/16 20:45:02.00)	38.2	56
(2025/08/16 20:48:02.00)	38.9	48.2
(2025/08/16 20:51:02.00)	38.9	49.1
(2025/08/16 20:54:02.00)	40.4	47.8
(2025/08/16 20:57:02.00)	38.6	48.3
(2025/08/16 21:00:02.00)	38.1	52.5
(2025/08/16 21:03:02.00)	33.5	48.3
(2025/08/16 21:06:02.00)	37.6	51.2
(2025/08/16 21:09:02.00)	37.2	47.4
(2025/08/16 21:12:02.00)	37.3	46.3
(2025/08/16 21:15:02.00)	35	42.7
(2025/08/16 21:18:02.00)	48.6	73
(2025/08/16 21:21:02.00)	34.1	59.9
(2025/08/16 21:24:02.00)	34.3	41.9
(2025/08/16 21:27:02.00)	36.1	44.1
(2025/08/16 21:30:02.00)	36.1	56.7
(2025/08/16 21:33:02.00)	36.9	51.1
(2025/08/16 21:36:02.00)	38	46.7
(2025/08/16 21:39:02.00)	39.9	56.7



(2025/08/16 21:42:02.00)	38.5	51.7
(2025/08/16 21:45:02.00)	34.8	53
(2025/08/16 21:48:02.00)	37.3	45.4
(2025/08/16 21:51:02.00)	37	54.3
(2025/08/16 21:54:02.00)	35	48.3
(2025/08/16 21:57:02.00)	34.7	44.4
(2025/08/16 22:00:02.00)	34.1	47.3
(2025/08/16 22:03:02.00)	36.3	43.3
(2025/08/16 22:06:02.00)	40	52
(2025/08/16 22:09:02.00)	34.9	47.6
(2025/08/16 22:12:02.00)	36.7	50.4
(2025/08/16 22:15:02.00)	37.7	44.8
(2025/08/16 22:18:02.00)	39.6	49.5
(2025/08/16 22:21:02.00)	32.8	50.7
(2025/08/16 22:24:02.00)	34.4	47.2
(2025/08/16 22:27:02.00)	34.3	44.1
(2025/08/16 22:30:02.00)	34.8	43.9
(2025/08/16 22:33:02.00)	42.5	54.1
(2025/08/16 22:36:02.00)	37.8	50.3
(2025/08/16 22:39:02.00)	37.6	51.8
(2025/08/16 22:42:02.00)	34	38.7
(2025/08/16 22:45:02.00)	32.5	51.4
(2025/08/16 22:48:02.00)	35.8	49.2
(2025/08/16 22:51:02.00)	31.6	37.4
(2025/08/16 22:54:02.00)	34.6	42.8
(2025/08/16 22:57:02.00)	45.9	56.5
(2025/08/16 23:00:02.00)	35	39.6
(2025/08/16 23:03:02.00)	33.9	39.8
(2025/08/16 23:06:02.00)	31.8	43.6
(2025/08/16 23:09:02.00)	29.2	33.1
(2025/08/16 23:12:02.00)	33.9	40.3
(2025/08/16 23:15:02.00)	34	38.5
(2025/08/16 23:18:02.00)	34.4	36.1
(2025/08/16 23:21:02.00)	34.6	36.4
(2025/08/16 23:24:02.00)	33	37.1
(2025/08/16 23:27:02.00)	48.6	60.3
(2025/08/16 23:30:02.00)	31.2	35.2
(2025/08/16 23:33:02.00)	32	38.5
(2025/08/16 23:36:02.00)	28.9	38.2
(2025/08/16 23:39:02.00)	36.6	50.6
(2025/08/16 23:42:02.00)	39.7	50.4
(2025/08/16 23:45:02.00)	43.1	55.6
(2025/08/16 23:48:02.00)	39.4	47.8
(2025/08/16 23:51:02.00)	34.9	43.8
(2025/08/16 23:54:02.00)	37.7	46.2



(2025/08/16 23:57:02.00)	29.8	40.9
(2025/08/17 00:00:03.00)	35.1	47.9
(2025/08/17 00:03:02.00)	38.1	54.3
(2025/08/17 00:06:02.00)	33.5	39.6
(2025/08/17 00:09:02.00)	33	36.6
(2025/08/17 00:12:02.00)	31.9	37.1
(2025/08/17 00:15:02.00)	26.3	35.5
(2025/08/17 00:18:02.00)	28.6	43.6
(2025/08/17 00:21:02.00)	34.9	49.7
(2025/08/17 00:24:02.00)	31.4	33.8
(2025/08/17 00:27:02.00)	35	42.7
(2025/08/17 00:30:02.00)	28.6	34.7
(2025/08/17 00:33:02.00)	30	36.2
(2025/08/17 00:36:02.00)	39.1	49.1
(2025/08/17 00:39:02.00)	31.5	43.2
(2025/08/17 00:42:02.00)	39.4	53.2
(2025/08/17 00:45:02.00)	45.9	60.5
(2025/08/17 00:48:02.00)	42.3	58.9
(2025/08/17 00:51:02.00)	31.1	50.4
(2025/08/17 00:54:02.00)	26.4	32.9
(2025/08/17 00:57:02.00)	26.7	37.8
(2025/08/17 01:00:02.00)	26.7	36.9
(2025/08/17 01:03:02.00)	25.7	32.4
(2025/08/17 01:06:02.00)	31.2	34.6
(2025/08/17 01:09:02.00)	31.9	35
(2025/08/17 01:12:02.00)	40.1	56.4
(2025/08/17 01:15:02.00)	33	38.1
(2025/08/17 01:18:02.00)	33.1	38.7
(2025/08/17 01:21:02.00)	25.6	32.1
(2025/08/17 01:24:02.00)	25.9	32
(2025/08/17 01:27:02.00)	39.8	55.2
(2025/08/17 01:30:02.00)	31	32.6
(2025/08/17 01:33:02.00)	33.4	37.6
(2025/08/17 01:36:02.00)	32.5	36.4
(2025/08/17 01:39:02.00)	27.5	37.1
(2025/08/17 01:42:02.00)	31	37.3
(2025/08/17 01:45:02.00)	23.2	29.4
(2025/08/17 01:48:02.00)	30.1	34.3
(2025/08/17 01:51:02.00)	31.3	39.2
(2025/08/17 01:54:02.00)	30.7	38.7
(2025/08/17 01:57:02.00)	25.3	37
(2025/08/17 02:00:02.00)	31.1	35.7
(2025/08/17 02:03:02.00)	34	39.9
(2025/08/17 02:06:02.00)	31.3	35.4
(2025/08/17 02:09:02.00)	28.6	34



(2025/08/17 02:12:02.00)	31.2	35.1
(2025/08/17 02:15:02.00)	30.2	32.2
(2025/08/17 02:18:02.00)	23.1	26.2
(2025/08/17 02:21:02.00)	24.4	29.4
(2025/08/17 02:24:02.00)	35.6	46.4
(2025/08/17 02:27:02.00)	23.6	27.6
(2025/08/17 02:30:02.00)	27.3	35.4
(2025/08/17 02:33:02.00)	32.7	36
(2025/08/17 02:36:02.00)	34.6	37
(2025/08/17 02:39:02.00)	33.1	35.7
(2025/08/17 02:42:02.00)	30.5	35.4
(2025/08/17 02:45:02.00)	24.7	43
(2025/08/17 02:48:02.00)	25	30.5
(2025/08/17 02:51:02.00)	33.4	48
(2025/08/17 02:54:02.00)	31	33.3
(2025/08/17 02:57:02.00)	31.1	37.2
(2025/08/17 03:00:02.00)	30.1	51
(2025/08/17 03:03:02.00)	22.6	27.9
(2025/08/17 03:06:02.00)	22.8	29.1
(2025/08/17 03:09:02.00)	28	36.3
(2025/08/17 03:12:02.00)	32.4	33.9
(2025/08/17 03:15:02.00)	34.4	35.8
(2025/08/17 03:18:02.00)	33.7	36.2
(2025/08/17 03:21:02.00)	28.3	32.3
(2025/08/17 03:24:02.00)	23.9	27.4
(2025/08/17 03:27:02.00)	23.8	26.5
(2025/08/17 03:30:02.00)	24.3	28.1
(2025/08/17 03:33:02.00)	23.7	27.6
(2025/08/17 03:36:02.00)	30.3	34.4
(2025/08/17 03:39:02.00)	31.2	33
(2025/08/17 03:42:02.00)	32	34.5
(2025/08/17 03:45:02.00)	32.8	35.9
(2025/08/17 03:48:02.00)	32.6	35.6
(2025/08/17 03:51:02.00)	32.6	42.6
(2025/08/17 03:54:02.00)	32.7	35.1
(2025/08/17 03:57:02.00)	33.8	38
(2025/08/17 04:00:02.00)	34.5	36
(2025/08/17 04:03:02.00)	36.5	43.2
(2025/08/17 04:06:02.00)	24	30.8
(2025/08/17 04:09:02.00)	25.2	36.5
(2025/08/17 04:12:02.00)	32.5	41.4
(2025/08/17 04:15:02.00)	32.7	35.1
(2025/08/17 04:18:02.00)	33.1	35.5
(2025/08/17 04:21:02.00)	34.3	37.3
(2025/08/17 04:24:02.00)	32.5	44.3



(2025/08/17 04:27:02.00)	25.8	39.7
(2025/08/17 04:30:02.00)	30	37.4
(2025/08/17 04:33:02.00)	32.5	34.4
(2025/08/17 04:36:02.00)	32.6	35.9
(2025/08/17 04:39:02.00)	32.3	34
(2025/08/17 04:42:02.00)	31.3	36.1
(2025/08/17 04:45:02.00)	31.1	33.2
(2025/08/17 04:48:02.00)	32.4	41.2
(2025/08/17 04:51:02.00)	33.7	40.9
(2025/08/17 04:54:02.00)	27.8	34.5
(2025/08/17 04:57:02.00)	26.2	37
(2025/08/17 05:00:02.00)	34	45.7
(2025/08/17 05:03:02.00)	34.3	46.2
(2025/08/17 05:06:02.00)	42.3	59.4
(2025/08/17 05:09:02.00)	38.5	59.3
(2025/08/17 05:12:02.00)	37.5	57
(2025/08/17 05:15:02.00)	34.2	48.2
(2025/08/17 05:18:02.00)	35.9	54.1
(2025/08/17 05:21:02.00)	41.3	56.3
(2025/08/17 05:24:02.00)	42.7	62.1
(2025/08/17 05:27:02.00)	45.3	60.2
(2025/08/17 05:30:02.00)	46.6	58.5
(2025/08/17 05:33:02.00)	46.6	58.1
(2025/08/17 05:36:02.00)	41.4	51
(2025/08/17 05:39:02.00)	51.9	69.8
(2025/08/17 05:42:02.00)	48	59.4
(2025/08/17 05:45:02.00)	43	60.7
(2025/08/17 05:48:02.00)	41.9	55.6
(2025/08/17 05:51:02.00)	45.5	57.8
(2025/08/17 05:54:02.00)	46.9	62.5
(2025/08/17 05:57:02.00)	48.4	64.1
(2025/08/17 06:00:02.00)	44.1	65.8
(2025/08/17 06:03:02.00)	39.4	52
(2025/08/17 06:06:02.00)	37.8	50.1
(2025/08/17 06:09:02.00)	48.2	57.7
(2025/08/17 06:12:02.00)	42.8	60.4
(2025/08/17 06:15:02.00)	48.8	63.4
(2025/08/17 06:18:02.00)	48.1	61.6
(2025/08/17 06:21:02.00)	48	59.7
(2025/08/17 06:24:02.00)	43.7	58.6
(2025/08/17 06:27:02.00)	42.9	58.9
(2025/08/17 06:30:02.00)	42.5	53.6
(2025/08/17 06:33:02.00)	42.1	55.7
(2025/08/17 06:36:02.00)	42.1	57.6
(2025/08/17 06:39:02.00)	41.3	59.8



(2025/08/17 06:42:02.00)	44.4	64.5
(2025/08/17 06:45:02.00)	46.5	58.8
(2025/08/17 06:48:02.00)	36.9	49.2
(2025/08/17 06:51:02.00)	42	57.8
(2025/08/17 06:54:02.00)	43.4	51
(2025/08/17 06:57:02.00)	40.5	50.9
(2025/08/17 07:00:02.00)	37.6	44
(2025/08/17 07:03:02.00)	41.9	54.7
(2025/08/17 07:06:02.00)	43.7	54.5
(2025/08/17 07:09:02.00)	43.2	53.7
(2025/08/17 07:12:02.00)	42.8	54.9
(2025/08/17 07:15:02.00)	46.4	58.9
(2025/08/17 07:18:02.00)	46.2	56
(2025/08/17 07:21:02.00)	42.2	54.6
(2025/08/17 07:24:02.00)	44.1	55.5
(2025/08/17 07:27:02.00)	45.6	57.6
(2025/08/17 07:30:02.00)	49.8	66.3
(2025/08/17 07:33:02.00)	54	68.9
(2025/08/17 07:36:02.00)	51.7	67
(2025/08/17 07:39:02.00)	45.1	58
(2025/08/17 07:42:02.00)	48.8	61.4
(2025/08/17 07:45:02.00)	48	59
(2025/08/17 07:48:02.00)	49.2	62.4
(2025/08/17 07:51:02.00)	38.6	50.5
(2025/08/17 07:54:02.00)	51.5	68.8
(2025/08/17 07:57:02.00)	49.3	69.8
(2025/08/17 08:00:02.00)	37.8	48.4
(2025/08/17 08:03:02.00)	43	51.1
(2025/08/17 08:06:02.00)	41.3	55.5
(2025/08/17 08:09:02.00)	39.3	50.7
(2025/08/17 08:12:02.00)	41.5	54.4
(2025/08/17 08:15:02.00)	41.2	53
(2025/08/17 08:18:02.00)	41.2	54
(2025/08/17 08:21:02.00)	39.3	51.6
(2025/08/17 08:24:02.00)	42	55.4
(2025/08/17 08:27:02.00)	47.6	59.1
(2025/08/17 08:30:02.00)	51.2	62.6
(2025/08/17 08:33:02.00)	49.4	63.5
(2025/08/17 08:36:02.00)	48.5	62.7
(2025/08/17 08:39:02.00)	42.4	57.3
(2025/08/17 08:42:02.00)	46.6	61.7
(2025/08/17 08:45:02.00)	51.3	62.6
(2025/08/17 08:48:02.00)	49.5	62.9
(2025/08/17 08:51:02.00)	47.5	63.1
(2025/08/17 08:54:02.00)	45	62.9



(2025/08/17 08:57:02.00)	49.1	66.4
(2025/08/17 09:00:02.00)	50.1	64.9
(2025/08/17 09:03:02.00)	44.3	70.7
(2025/08/17 09:06:02.00)	47.8	61.8
(2025/08/17 09:09:02.00)	45.7	62.5
(2025/08/17 09:12:02.00)	45	61.7
(2025/08/17 09:15:02.00)	46.3	61.3
(2025/08/17 09:18:02.00)	42.9	60.1
(2025/08/17 09:21:02.00)	47.6	63
(2025/08/17 09:24:02.00)	53.2	64
(2025/08/17 09:27:02.00)	46.8	60.6
(2025/08/17 09:30:02.00)	47.8	61.9
(2025/08/17 09:33:02.00)	41.7	53.5
(2025/08/17 09:36:02.00)	41.3	52.7
(2025/08/17 09:39:02.00)	41	51.1
(2025/08/17 09:42:02.00)	43.3	62
(2025/08/17 09:45:02.00)	42.2	55
(2025/08/17 09:48:02.00)	41.6	52.3

