Cabinet

To the Cabinet on Friday, 31 May 2024
Date of meeting: Monday, 10 June 2024
Time: 18:30 Please note start time.
Venue: Harborough Innovation Centre
Harborough Innovation Centre, Wellington Way, Airfield Business Park, Market Harborough, LE16 7WB

Members of the public can access a live broadcast of the meeting from the Council website, and the meeting webpage. The meeting will also be open to the public.

- Information Exchange from Portfolio Holder
- Topical Issues
  - Questions
  - Petitions
  - Notices of Motion

Agenda

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6	**Any Urgent Business** To be decided by the Chairman.	

JOHN RICHARDSON
CHIEF EXECUTIVE AND HEAD OF PAID SERVICE

HARBOROUGH DISTRICT COUNCIL

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Circulate to: Jo Asher - Member, Paul Beadle - Member, Simon Galton - Vice-Chair, Mark Graves - Member, Jim Knight - Member, Phil Knowles - Chairman, Darren Woodiwiss - Member

Minutes of the Cabinet Meeting

Location: Harborough Innovation Centre, Airfield Business Park, Leicester Road, Market Harborough, LE16

Date: **07 May 2024** commencing at 6.30pm

Present:

Councillors: P. Knowles (Chair) - Leader of the Council and Portfolio Holder for Culture, Leisure, Economy, and Tourism

S. Galton – Portfolio Holder for Planning

M. Graves – Portfolio Holder for Finance

J. Knight – Portfolio Holder for Wellbeing

D. Woodiwiss – Portfolio Holder for the Environment & Climate Change

Officers: J. Richardson- Chief Executive

L. Elliott – Deputy Chief Executive

C. Mason – Section 151 Officer (online)

D. Atkinson – Director of Planning

C. Hartley – Director of Communities

R. Finnegan – Waste Operations Manager

C. Averill – Head of Property

E. Bird – Head of Regulatory Services

E. Newman – Democratic Services

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Prior to commencing with the agenda business, Councillor Knowles proposed that agenda item 5 Refurbishment of three flats at 1-3 Plowman's Yard, Market Harborough be moved to item 6. This was agreed.

1. **Apologies for Absence**

Apologies were received by Councillor Beadle, Portfolio Holder for Corporate.

2. **Declaration of Members' Interests**

   There were none.

3. **Minutes**

   The Minutes were proposed by Councillor Woodiwiss and seconded by Councillor Knight. Therefore, The Minutes of the meeting held on 25 March 2024 were accepted as a true record.

4. **Procurement of Flex D and Rural England Prosperity funded electric vehicle charging infrastructure projects.**

   The Portfolio Holder for Environmental & Climate Change introduced the report. He explained the reasoning for the decision to delegate the decision-making for this project.

   The Head of Regulatory Services highlighted that the decision seeks extended Chief Officer delegated authority to be granted to the Director of Communities and Wellbeing, in consultation with the Portfolio Holder for Environment and Climate Change, to approve contracts related to the delivery of the Flex D project or related contracts for the installation of electric vehicle charge points which have been procured through framework agreements, where the value of the contracts are greater than the Council's Standard Operating Procedure Rules for procurement, unless there is a timely cabinet available to approve them.

   It was asked if there was a proposed timeline for the procurement process. The Head of Regulatory Services said that they hoped to start the process in May 2024, with the following six weeks to receive any prospective bids, and implementation as soon as possible after this.

   The recommendations were proposed by Councillor Woodiwiss and seconded by Councillor Knight. The vote was carried.

   It was **RESOLVED** that Cabinet:

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1. Delegates authority to the Director of Communities and Wellbeing, in consultation with the Portfolio Holder for Environment and Climate Change, to approve the award of Flex D and electric vehicle charge point installation related contracts procured through framework agreements, which exceed the value threshold set out in the Council's Standard Operating Procedure Rules unless there is a timely Cabinet meeting available to approve those contracts.
2. Delegates to the Director of Communities and Wellbeing, in consultation with the Portfolio Holder for Environment and Climate Change and the Head of Legal Services, authority to negotiate and finalise the contracts, including minor variations.

5. Procurement and implementation of a new commercial trade waste system.

The Portfolio Holder for Environmental & Climate Change introduced the report. He explained that the decision seeks approval to award a new commercial waste contract management system to Provider A. This would ensure that the Environmental Services team can continue to deliver an efficient and reliable commercial waste collection service to businesses within Harborough district including the provision of a legal contract and duty of care documentation. It would also replace the old Access Database, which is out of date technology and no longer supported by ICT.

The Leader opened the discussion to the Cabinet.

The recommendations were proposed by Councillor Woodiwiss and seconded Councillor Graves. The vote was carried.

It was **RESOLVED** that Cabinet:

1. Approves to award the contract for a new commercial waste contract management system to Provider A which will be procured using the GCloud framework.

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2. That Cabinet delegates authority to the Director of Resources (& s.151), subject to agreement with the Leader of the Council and the Portfolio Holder for Finance in respect of contract costs, that in consultation with the Portfolio Holder for Finance:

   - approves the reallocation of £105k from the 2024/25 Special Project capital allocation to the Temporary Accommodation: Enhancement of Current Provision capital allocation.

   - together with the Head of Legal Services to award and finalise the building contract, including any minor variations.

6. Refurbishment of three flats at 1-3 Plowman's Yard, Market Harborough.

It was moved that the meeting go into a private session, this was proposed by Councillor Knowles, and seconded by Councillor Woodiwiss.

The Portfolio Holder for Finance introduced the report and brought the Cabinet's attention to an additional exempt document to discuss. He talked through the new information presented in this new report. The basis of the decision was to award a building contract to renovate an HDC owned property bringing it up to modern standards for use as temporary accommodation for homeless.

The Director of Resources (& s.151) looked to highlight the changes to the original report and discussed the reasons for those changes.

The Head of Property also assisted explaining the additional document appending this report regarding procurement of a contractor to complete the works on the property, and how this contractor was chosen. She also highlighted the legal requirements regarding the works.

It was moved by the Portfolio Holder for Finance that the current Recommendation 2 be changed to the below:

That Cabinet delegates authority to the Director of Resources (& s.151), subject to agreement with the Leader of the Council and the Portfolio Holder for Finance

DRAFT

in respect of contract costs, that in consultation with the Portfolio Holder for Finance:

- approves the reallocation of £105k from the 2024/25 Special Project capital allocation to the Temporary Accommodation: Enhancement of Current Provision capital allocation.

- together with the Head of Legal Services to award and finalise the building contract, including any minor variations.

This was seconded by Councillor Knight, and so was **CARRIED**.
Therefore, it was **RESOLVED** that:

1. Cabinet notes the content of the Housing Services Manager's business case (Appendix 1) in respect of the refurbishment of Flats 1-3 Plowman's Yard, Market Harborough.
2. Cabinet delegates authority to the Director of Resources (& s.151), in consultation with the Portfolio Holder, Finance, together with the Head of Legal Services to award and finalise the building contract, including any minor variations.

7. Any Urgent Business

There was none.

The meeting ended at 19.11.

DRAFT

Harborough District Council

Report to the Cabinet
Meeting of 10th June 2024

Title:	**Air Quality Update – Annual Status Report 2024**
Status:	Public
Key Decision:	Yes
Report Author:	Gareth Rees – Air Quality Officer
Portfolio Holder:	Cllr Darren Woodiwiss (Portfolio Holder for Environment and Climate Change)
Appendices:	A – 2024 Annual Status Report B – DRAFT Air Quality Management Area (AQMA) Revocation Order

Summary

The report sets out the work undertaken during the calendar year of 2023 in relation to air quality across the whole of the district as set out in the Annual Status Report in Appendix A.

Over the past few years the annual average levels of Nitrogen Dioxide in Lutterworth have been below the National Air Quality Objective levels and based on the levels it is considered appropriate to revoke the current Air Quality Management Order for Lutterworth.

Recommendations

It is recommended that Members:

1. approve the 2024 Air Quality Annual Status Report (ASR) for submission to DEFRA as set out in Appendix A.

2. approve the revocation of the Lutterworth AQMA as set out in Appendix B.

Reasons for Recommendations

The submission of the Annual Status Report ensures compliance with Part IV of the Environment Act 1995.

Where the Council has sufficient confidence that the local pollutions levels within an Air Quality Management Area (AQMA) are below the national objective levels, they should revoke the AQMA Order.

1. Purpose of Report

1.1. The Purpose of the report is to update members on the outcome of the annual review of local air quality across the district with the 2024 Annual Status Report (ASR) to be submitted to DEFRA (Attached as Appendix A) and seek approval for the revocation of the Lutterworth AQMA following 6 years of compliance with the Annual Mean Air Quality Standard for Nitrogen Dioxide as outlined in the 2024 ASR.

2. Background

2.1. Air pollution is associated with several adverse health impacts. It is recognised as a contributing factor in the onset of heart disease and cancer. Additionally, air pollution particularly affects the most vulnerable in society: children and older people, and those with heart and lung conditions.

2.2. Generally the air quality throughout the district is good however there are known issues in both Lutterworth and areas of Kibworth Beauchamp and Kibworth Harcourt along the A6 highway which cuts both villages, with regards to exceedances of the annual average objective level for Nitrogen Dioxide. An Air Quality Management Area (AQMA) has been declared in both areas. The Lutterworth AQMA was first declared in 2001 and The Kibworths AQMA in November 2017.

2.3. The Annual Status Report (ASR) provides a detailed assessment of any monitoring results carried out in the district for the previous year along with any action undertaken to work towards improving air quality and is based on the calendar year 2023.

3. Details

3.1. The Council has a duty to review local air quality and to take action through the declaration of an Air Quality Management Area (AQMA) where the national air quality objectives for certain pollutants are not met.

3.2. The Council currently has two AQMAs:

One AQMA in Lutterworth declared for exceedances of the annual mean Air Quality Objective (AQO) for Nitrogen Dioxide (NO_2). Copies of the Air Quality Management Orders and a map showing the area covered is available from the Council website. https://www.harborough.gov.uk/info/20025/environmental_health/101/air_quality/3

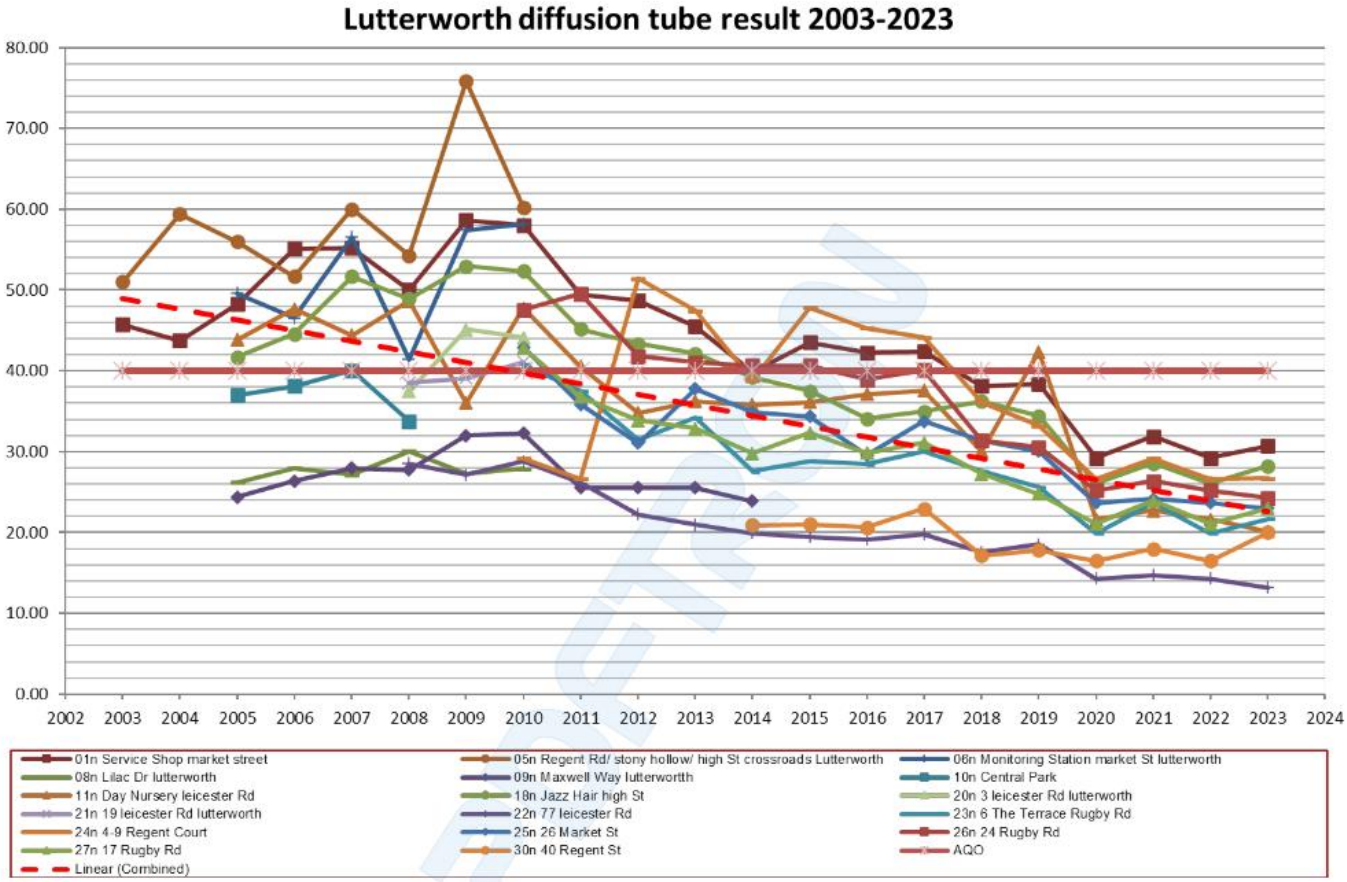
One AQMA in the Kibworths declared for exceedances of the annual mean Air Quality Objective (AQO) for Nitrogen Dioxide (NO_2). Copies of the Air Quality Management Orders and a map showing the area covered is available from the Council website. https://www.harborough.gov.uk/info/20025/environmental_health/101/air_quality/2

3.3. For several years the Council has been monitoring local air quality across the district using a network of diffusion tubes. The annual average results are collated and corrected in accordance with the nationally published annual correction factors. The annual average national objective level for Nitrogen Dioxide is 40µg.m^{-3} and in 2023 no locations exceeded this objective level and the average annual levels at relevant receptors ranged from 12.2µg.m^{-3} to 37.0µg.m^{-3}.

3.4. The Council has been monitoring air quality in Lutterworth since 1997 and for the sixth year running since the declaration of the AQMA in 2001, the 2023 Nitrogen Dioxide (NO_2) results did not exceed the annual mean air quality standard.

3.5. Pollutant concentrations may vary significantly from one year to the next, due to the influence of meteorological conditions. Before revoking an AQMA, on the basis of measured pollutant concentrations, the Council needs to be reasonably certain that any future exceedances (that might occur in more adverse meteorological conditions) are unlikely.

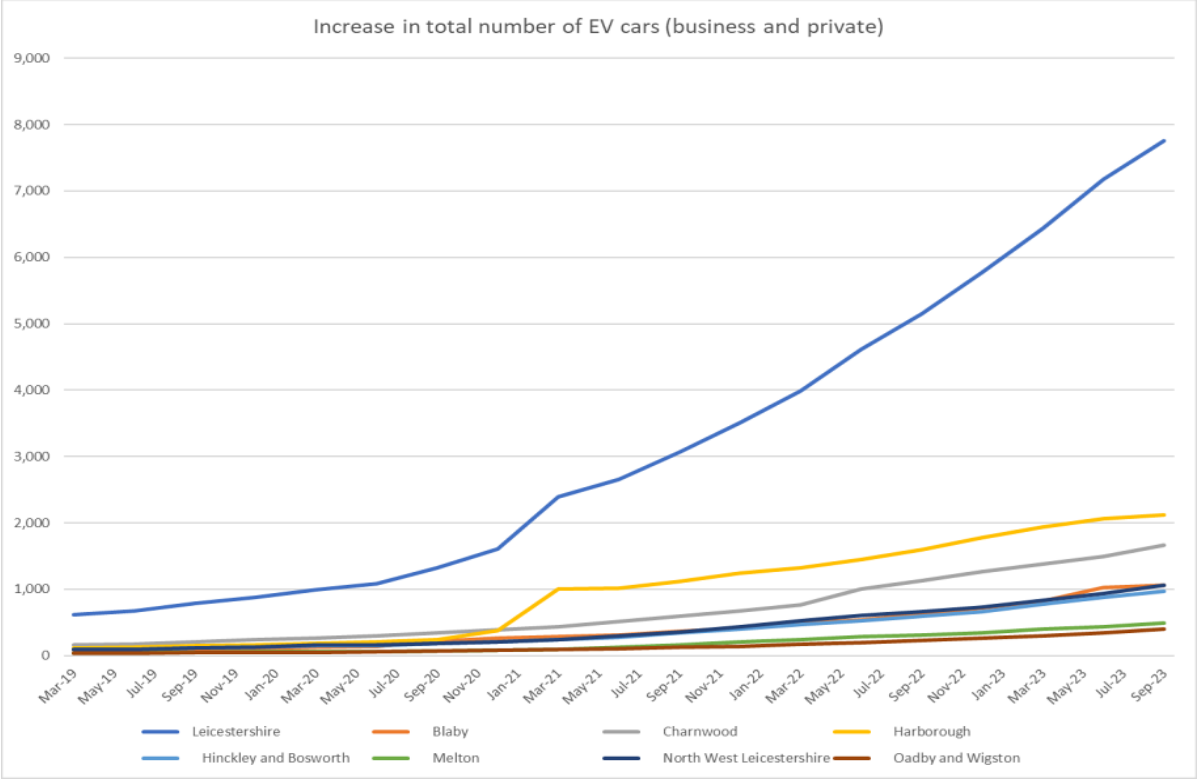
3.6. For this reason, the 2018 to 2023 annual average results in Lutterworth are sufficient to show that the AQMA is showing long term compliance with the Annual Mean Air Quality Standard for Nitrogen Dioxide. The graph below shows all diffusion tube data collected in the Lutterworth area between 2003 and 2023 and shows a general trend of improvement at all locations within the AQMA, showing compliance since 2018.



3.7. In 2018, the Council worked with Leicestershire County Council to install a gating system which manages the free flow of heavy goods vehicles through the town to minimise the stop/start of such vehicles. This intervention, and the general increased uptake of electric vehicles both contribute to the reduction of local levels of pollution.

3.8. According to The Society of Motor Manufacturers & Traders (SMMT), at the end of 2016 the number of new electric vehicles nationally was just 0.4% but this had increased to 16.5% of new car registration by 2023. A further 7.4% of all new cars registered were plug in hybrids making the total market share in 2023 of 23.4%.

3.9. Across the district the number of electric vehicles (private and business) also continues to increase as set out in the graph below. These figures are for electric vehicles only and not hybrids.



3.10. The monitoring of air quality in Lutterworth shall be continued so that the Council can ensure ongoing compliance and the data can be used for ensuring future development does not have a detrimental impact on Lutterworth's air quality.

3.11. An automatic air quality monitor has been installed along the A6 in the Kibworths since 2019 and during 2023 this monitor did not record any exceedances of air quality objectives for Nitrogen Dioxide. A further air quality monitoring unit in The Kibworths did not record any exceedance of the air quality objectives for NO_2, $PM_{2.5}$ and PM_{10} during the year. Although, one of the Nitrogen Dioxide tubes, whilst below the national objective level still is high enough for the Council not to consider revoking this air quality management area at the current time.

3.12. In addition to the air quality monitoring undertaken, during 2023 the Council has:

- been working with Development Control and Leicestershire County Council Highways to determine whether there is funding available to implement the junction improvements for the A6 in Kibworth (modelled in 2019. This work is still on going.
- worked in partnership with North West Leicestershire District Council and Air Quality Consultants Ltd. to implement a Department for Environment, Food and Rural Affairs (DEFRA) air quality grant project to monitor the impact of very small particular matter known as $PM_{2.5}$ from solid fuel burning and to encourage behaviour change to improve local air quality. Whilst the project was very useful in raising awareness and highlighting the importance of considering what people burn, based on the data from the monitoring, the project found that there was no clear link between solid fuel burning and local $PM_{2.5}$ concentrations.
- taken part in clean air day.

4. Implications of Decisions

4.1. Corporate Priorities

Effective air quality management supports the Council's delivery of the key priority

CO16: The environmental impacts of growth are mitigated as far as practically possible.

4.2. Consultation

Whilst there is no legal requirement for consultation on the outcome of the Annual Status Report, officers have engaged with the local ward members for Lutterworth and Lutterworth Town Council to ensure that all interested parties are aware of the plan to revoke the AQMA based on the outcome of the 2023 monitoring data.

The Director for Public Health is also required to approve the Annual Status Report before submission to DEFRA.

4.3 Financial

There are no direct resource implications in relation to the development of the Annual Status Report as this will be undertaken within the current staffing arrangements. A budget for ongoing air quality monitoring has been created.

4.4 Legal

There is a legal duty on local authorities to assess air quality and to take necessary steps to improve local issues. Where there is sufficient evidence to give the local authority the confidence that there is not a breach of the national objective levels within an Air Quality Management Area (AQMA) and the improvement levels will be sustained, the AQMA should be revoked.

4.5 Environmental Implications

There are no environmental implications in relation to the completion of the Annual Status Report as the report outlines the work undertaken in the previous calendar year. However, it is important that the Council has a good understanding of local air quality issues and where issues are identified take the necessary steps to manage them, either through the declaration of an Air Quality Management Area or by managing the impact of development through the planning process.

4.6 Risk Management

Failure to meet Government targets on Air Quality may have a direct health impact on the local community.

4.7 Equalities Impact

There are no equality implications in the development of the Annual Status Report

4.8 Data Protection

There are no Data Protection implications.

5. Alternative Options Considered

There is a duty on the Council to complete and submit an Annual Status Report to DEFRA. Not to submit an Annual Status Report would mean that the Council has not fulfilled its obligations under the Environment Act 1995.

Where there is sufficient evidence and the Council has the confidence that pollution levels will not fall below the national objective levels for particular pollutants, they should revoke any Air Quality Management Areas where there is no breach.

6. Background papers

Previous Air Quality Reports can be found on the council's website:
https://www.harborough.gov.uk/directory_record/2268/air_quality_review_and_assessment



2024 Air Quality Annual Status Report (ASR)

In fulfilment of Part IV of the Environment Act 1995 Local Air Quality Management, as amended by the Environment Act 2021

Date: June, 2024

Information	Harborough District Council Details
Local Authority Officer	Gareth Rees
Department	Regulatory Services
Address	Council Offices The Symington Building Adam and Eve Street Market Harborough Leicestershire LE16 7AG
Telephone	01858 828282
E-mail	airquality@harborough.gov.uk
Report Reference Number	ASR_HDC_2024
Date	June 2024

Executive Summary: Air Quality in Our Area

Air Quality in Harborough District Council

Breathing in polluted air affects our health and costs the NHS and our society billions of pounds each year. Air pollution is recognised as a contributing factor in the onset of heart disease and cancer and can cause a range of health impacts, including effects on lung function, exacerbation of asthma, increases in hospital admissions and mortality. In the UK, it is estimated that the reduction in healthy life expectancy caused by air pollution is equivalent to 29,000 to 43,000 deaths a year[1].

Air pollution particularly affects the most vulnerable in society, children, the elderly, and those with existing heart and lung conditions. Additionally, people living in less affluent areas are most exposed to dangerous levels of air pollution[2].

Table ES 1 provides a brief explanation of the key pollutants relevant to Local Air Quality Management and the kind of activities they might arise from.

Table ES 1 - Description of Key Pollutants

Pollutant	Description
Nitrogen Dioxide (NO_2)	Nitrogen dioxide is a gas which is generally emitted from high-temperature combustion processes such as road transport or energy generation.
Sulphur Dioxide (SO_2)	Sulphur dioxide (SO_2) is a corrosive gas which is predominantly produced from the combustion of coal or crude oil.
Particulate Matter (PM_{10} and $PM_{2.5}$)	Particulate matter is everything in the air that is not a gas. Particles can come from natural sources such as pollen, as well as human made sources such as smoke from fires, emissions from industry and dust from tyres and brakes. PM_{10} refers to particles under 10 micrometres. Fine particulate matter or $PM_{2.5}$ are particles under 2.5 micrometres.

[1] UK Health Security Agency. Chemical Hazards and Poisons Report, Issue 28, 2022.

[2] Defra. Air quality and social deprivation in the UK: an environmental inequalities analysis, 2006

The main air quality issues in Harborough District are related to traffic sourced nitrogen dioxide

The Council has two Air Quality Management Areas ('AQMA'):

- One AQMA in Lutterworth declared for exceedances of the annual mean Air Quality Objective (AQO) for Nitrogen Dioxide (NO_2). Copies of the Air Quality Management Orders and a map showing the area covered is available from the Council website. https://www.harborough.gov.uk/info/20025/environmental_health/101/air_quality/3
- One AQMA in the Kibworths declared for exceedances of the annual mean Air Quality Objective (AQO) for Nitrogen Dioxide (NO_2). Copies of the Air Quality Management Orders and a map showing the area covered is available from the Council website. https://www.harborough.gov.uk/info/20025/environmental_health/101/air_quality/2

Actions to Improve Air Quality

Whilst air quality has improved significantly in recent decades, there are some areas where local action is needed to protect people and the environment from the effects of air pollution.

The Environmental Improvement Plan[3] sets out actions that will drive continued improvements to air quality and to meet the new national interim and long-term targets for fine particulate matter ($PM_{2.5}$), the pollutant of most harmful to human health. The Air Quality Strategy[4] provides more information on local authorities' responsibilities to work towards these new targets and reduce fine particulate matter in their areas.

The Road to Zero[5] details the Government's approach to reduce exhaust emissions from road transport through a number of mechanisms, in balance with the needs of the local community. This is extremely important given that cars are the most popular mode of

[3] Defra. Environmental Improvement Plan 2023, January 2023

[4] Defra. Air Quality Strategy – Framework for Local Authority Delivery, August 2023

[5] DfT. The Road to Zero: Next steps towards cleaner road transport and delivering our Industrial Strategy, July 2018

personal travel and the majority of Air Quality Management Areas (AQMAs) are designated due to elevated concentrations heavily influenced by transport emissions.

During 2023 the council has:

- worked with development control and Leicestershire County Council Highways to determine what funding is available to implement the junction improvements modelled in 2019;
- worked in partnership with North West Leicestershire District Council and Air Quality Consultants to implement an air quality grant project to monitor the impact of $PM_{2.5}$ from solid fuel burning and to encourage behaviour change to improve local air quality;
- taken part in clean air day to promote the issue of air quality.
- Ongoing work in collaboration with public health staff at Leicestershire County Council on the impacts of poor air quality on health

Conclusions and Priorities

The ASR concludes that:

- there are no new areas likely to be exceeding air quality objectives.
- The Lutterworth AQMA has been compliant with the annual mean air quality standard for an extended period of time and can be revoked.

In 2024 the council plans to:

- Continue to monitor in Lutterworth to show that the Air Quality Standard (AQS) for NO_2 continues to be met.
- Publish the findings of the DEFRA grant project on impacts of solid fuel burning.
- Participate in Clean Air Day 2024
- Continue to work in collaboration with public health colleagues at Leicestershire County Council on key recommendations from the Leicestershire Air Quality and Health Partnership Steering Group to tackle poor air quality and related health issues.

Local Engagement and How to get Involved

The main contributions that our community can make to improving air quality are around minimising emissions from traffic and other sources and limiting exposure at times of poor

air quality. Specifically, that means avoiding unnecessary car use for short journeys, utilising public transport where possible, buying and maintaining low emissions vehicles and being linked into the national alert system for predicted episodes of poor air quality.

The public can get further information on Air Quality from the following websites :-

- Harborough District Council Air Quality website
  http://www.harborough.gov.uk/info/20025/environmental_health/101/air_pollution
- DEFRAs UK-AIR: Air Information Resource website
  https://uk-air.defra.gov.uk/
- DEFRAs Local Air Quality Management (LAQM) Support website
  http://laqm.defra.gov.uk/
- Environmental Protection UK Air Pollution website
  http://www.environmental-protection.org.uk/policy-areas/air-quality/about-air-pollution/
- Choose How You Move
  https://www.choosehowyoumove.co.uk/

Local Responsibilities and Commitment

This ASR was prepared by the Regulatory Services department of Harborough District Council with the support and agreement of the following officers and departments:

- Gareth Rees
  Environmental Protection officer (air quality and contaminated land)
- Ian Bartlett
  Environmental Protection Team Leader

This ASR has been approved by Harborough District Council Cabinet committee

- https://cmis.harborough.gov.uk/cmis5/Meetings/tabid/73/ctl/ViewMeetingPublic/mid/410/Meeting/5829/Committee/862/Default.aspx

This ASR has been signed off by a Director of Public Health.



Mike Sandys, Director of Public Health, Leicestershire County Council

If you have any comments on this ASR please send them to Regulatory Services at:

Address	Council Offices The Symington Building Adam and Eve Street Market Harborough Leicestershire LE16 7AG
Telephone	01858 828282
E-mail	airquality@harborough.gov.uk

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1 Local Air Quality Management

This report provides an overview of air quality in Harborough District during 2024. It fulfils the requirements of Local Air Quality Management (LAQM) as set out in Part IV of the Environment Act (1995), as amended by the Environment Act (2021), and the relevant Policy and Technical Guidance documents.

The LAQM process places an obligation on all local authorities to regularly review and assess air quality in their areas, and to determine whether or not the air quality objectives are likely to be achieved. Where an exceedance is considered likely the local authority must declare an Air Quality Management Area (AQMA) and prepare an Air Quality Action Plan (AQAP) setting out the measures it intends to put in place in order to achieve and maintain the objectives and the dates by which each measure will be carried out. This Annual Status Report (ASR) is an annual requirement showing the strategies employed by Harborough District Council to improve air quality and any progress that has been made.

The statutory air quality objectives applicable to LAQM in England are presented in Table E.1.

2 Actions to Improve Air Quality

2.1 Air Quality Management Areas

Air Quality Management Areas (AQMAs) are declared when there is an exceedance or likely exceedance of an air quality objective. After declaration, the authority should prepare an Air Quality Action Plan (AQAP) within 18 months. The AQAP should specify how air quality targets will be achieved and maintained, and provide dates by which measures will be carried out.

A summary of AQMAs declared by Harborough District Council can be found in Table 2.1. The table presents a description of the 2 AQMAs that are currently designated within Harborough District. Map(s) of Monitoring Locations and AQMAs provides maps of AQMAs and also the air quality monitoring locations in relation to the AQMAs. The air quality objectives pertinent to the current AQMA designations are as follows:

- NO_2 annual mean

We propose to revoke Lutterworth AQMA as monitoring within the AQMA has shown compliance for the last 6 years.

Table 2.1 – Declared Air Quality Management Areas

AQMA Name	Date of Declaration	Pollutants and Air Quality Objectives	One Line Description	Is air quality in the AQMA influenced by roads controlled by Highways England?	Level of Exceedance: Declaration	Level of Exceedance: Current Year	Number of Years Compliant with Air Quality Objective	Name and Date of AQAP Publication	Web Link to AQAP
Lutterworth	Declared 18/07/2001, Amended 04/04/2011, Amended 16/04/2013	NO2 Annual Mean	An area encompassing dwellings adjacent to Rugby Road, High Street and Market Street.	NO	51	31.9	4	Apr-13	http://www.harborough.gov.uk/download/downloads/id/145/lutterworth_air_quality_action_plan.pdf
Kibworth	Declared 28/11/2017	NO2 Annual Mean	Area encompassing dwelling with close proximity to the kerb line along the A6 between the roundabout with Wistow Road south to the junction with Church Road	NO	55	38	0	Feb-19	http://www.harborough.gov.uk/download/downloads/id/5104/2019_kibworth_air_quality_action_plan.pdf

☒ **Harborough District Council confirm the information on UK-Air regarding their AQMA(s) is up to date.**

☒ **Harborough District Council confirm that all current AQAPs have been submitted to Defra (confirm by selecting in box).**

2.2 Progress and Impact of Measures to address Air Quality in Harborough District

Defra's appraisal of last year's ASR concluded

1. The laboratory and preparation method are required in the QA/QC section of the 2023 ASR. Include this information in your QA/QC section.
    - This has been included
2. QA/QC of the reference monitor has been undertaken as per the HDC's supplier, however, the data output is ratified and validated to TG 2016 guidance. Since TG 2023 is now being used, the data is required to be validated to the new LAQM guidance.
    - This was a typographical error by the supplier QA/QC was undertaken inline with the most recent guidance.
3. Update Table 2.2 so that it is clear to see which KPI belongs to which AQAP measure. If there are multiple KPI's for one measure, ensure that they remain in the same cell.
    - This is/was the case
4. Correct the grammatical and formatting errors in the report prior to publication on the council's website. ASRs are public facing documents that serve to keep local communities informed of the steps being taken by their local authority to improve air quality, and as such it is important that they are accessible and easy to read.
    - The council endeavours to keep grammatical error to a minimum by ensure proof reading of reports by several officers. Any formatting errors are caused by the design of your report template and are outside of the control of the council.

Following a second refusal

1. It has been noted that all data for October is missing from the previous report. It is critical to clarify this absence in the current report as it could significantly affect the calculation of annual average concentrations, potentially impacting compliance outcomes.
    - Though no comment was made on this. The tubes were lost in transit on return to the laboratory. This has no substantive impact on the findings of the report.

The following comments are designed to help inform future reports:

2. Tube 1n in the Lutterworth AQMA was non-compliant in 2019 which impacts the number of years of compliance for potential revocation of the AQMA. In line with the LAQM guidance, as compliance began in 2020, the years of 2020 and 2021 should not be considered when outlining if compliance has been achieved. HDC should continue to monitor annual NO_2 concentrations within the Lutterworth AQMA and upon receipt of the 2023 and 2024, consider if revocation is possible.

    - Though the location 1n was above 36 $\mu g.m^{-3}$ it was only marginally above 36 $\mu g.m^{-3}$ in 2019 and was below the standard of 40$\mu g.m^{-3}$. It was lower than 36$\mu g.m^{-3}$ in 2018 and in 2020 through 2023. The COVID-19: Supplementary Guidance Local Air Quality Management Reporting in 2021 Date: April 2021 states that “Authorities need to simply make clear how monitoring was impacted and, if appropriate, highlight that the data should be treated with caution.” not that it cannot be used. The data collected in 2020 and 2021 is consistent with the data collected in 2022 and 2023. Therefore, given the data collected in 2018 and 2019, the authority is confident that the site is compliant which is the requirement of the policy guidance LAQM.TG22

3. HDC have Zephyr analysers at 2 locations, which monitored NO_2, PM_{10}, and $PM_{2.5}$. It's important to note that Zephyr monitors cannot be used for compliance reporting due to their specifications. Therefore, whilst we encourage the Council to use additional monitoring methods, any data collected from Zephyr analysers should be reported separately in an appendix to ensure clarity and compliance with regulatory standards.

    - The authority does not treat the zephyr data as reference data however hiding the data in an appendix does not communicate the findings with the public who are unlikely to look at lengthy appendices.

4. Comments from last year’s ASR have been mentioned and addressed.

    - noted

5. Additional appendices have been uploaded to the LAQM portal which is welcomed, however these should be collated into one final document for publication to the public.

    - noted

6. The Kibworth AQAP will be due for update this year. The Lutterworth AQAP is over 5 years old and requires to be updated.
    - noted
7. According to Table A1, passive monitoring was conducted at 34 sites, not 33 as stated on page 11.
    - This is a typographical error in page 11, 34 sites were monitored.
8. Minor formatting issues are present throughout the ASR document such as number of decimal places, grammar, and not removing templated text. The ASR should be reviewed and formatting/grammar errors addressed prior to submission.
    - The authority took its best steps to address grammatical and formatting issues, without further clarification on the issue no further action can be taken. All reports go through multiple stages of proof reading and review before submission.
9. All graphs and maps are well presented and are clear to read. The Council have also provided a detailed discussion of the trends.
    - Thank you
10. A national bias adjustment factor has been applied. It would be beneficial to include a screenshot of the tool so the factor can be verified. Whilst a national bias adjustment factor was selected, justification should be given as to if this is the most appropriate factor.
    - The inclusion of a screenshot of a technical, difficult to read spreadsheet which is publicly available to all on the LAQM website serves no purpose especially when the content of the screenshot is already present in a readable format within the report. i.e. Table C2 of appendix C.

Harborough District Council has taken forward a number of direct measures during the current reporting year of 2023 in pursuit of improving local air quality. Details of all measures completed, in progress or planned are set out in Table 2.2. 7 measures are included within Table 2.2, with the type of measure and the progress Harborough District Council have made during the reporting year of 2023 presented. Where there have been, or continue to be, barriers restricting the implementation of the measure, these are also presented within Table 2.2.

More detail on these measures can be found in their respective Action

Harborough District Council worked to implement these measures in partnership with the following stakeholders during 2023:

- Leicestershire County Council Highways Department
- Leicestershire County Council Public Health

Whilst the measures stated above and in Table 2.2 will help to contribute towards compliance, Harborough District Council anticipates that further additional measures not yet prescribed will be required in subsequent years to achieve compliance and enable the revocation of Kibworth AQMA .

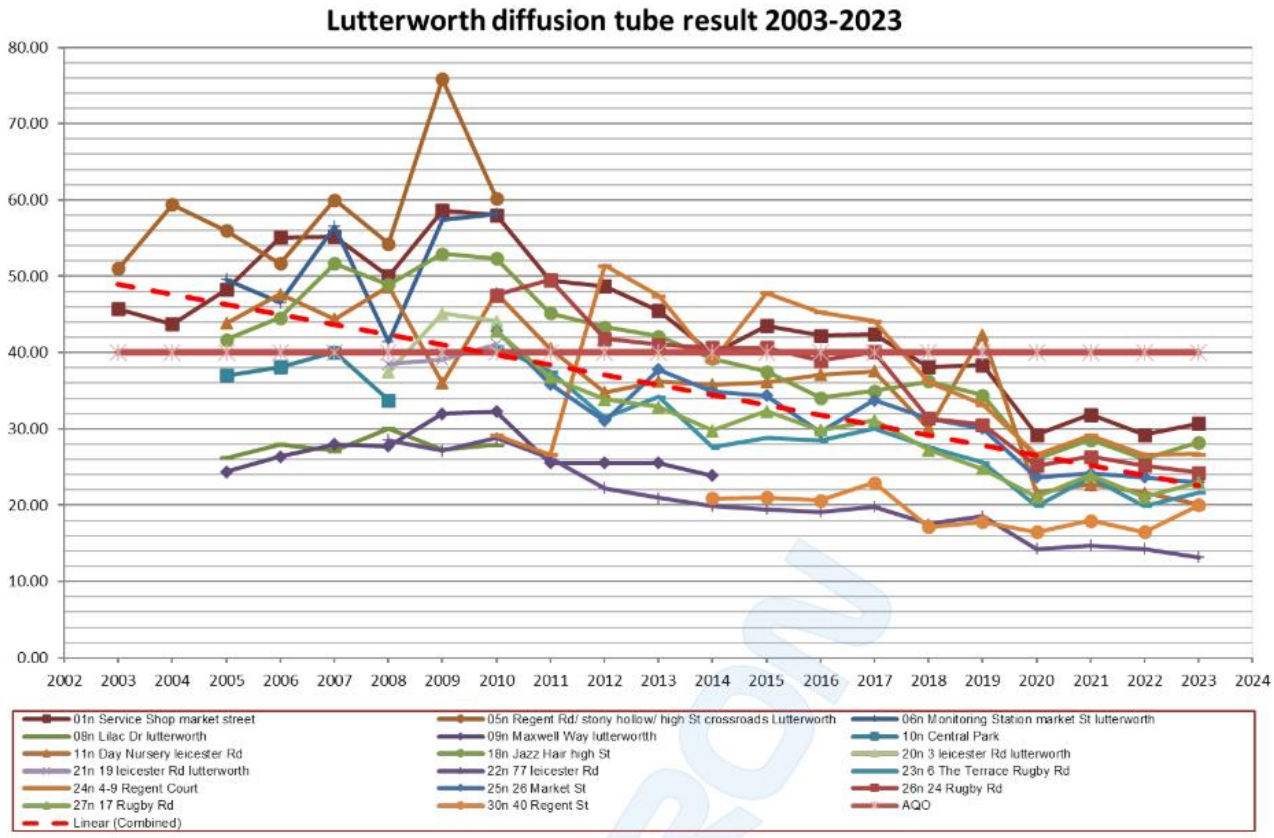
2.2.1 Lutterworth AQMA

Nitrogen Dioxide levels have seen significant improvement over the last 20 years as show in figure 2-1.

Concentrations of NO_2 have been below the Annual Mean air quality Objective for the 5th year running since the HGV gating system has been implemented. No specific actions beyond monitoring have been undertaken in Lutterworth.

As such it is the intention of the council to revoke the Lutterworth AQMA

Figure 2.1. Lutterworth diffusion tube results 2003-2023



2.2.2 Kibworth AQMA

Progress on the implementation of junction improvements in Kibworth has been slower than expected due to negotiations with Leicestershire County Council Highways.

Whilst the measures stated above and in Table 2.2 will help to contribute towards compliance, Harborough District Council anticipates that further additional measures not yet prescribed will be required in subsequent years to achieve compliance and enable the revocation of Kibworth AQMA.

The council has started engaging with Leicestershire county council highways of a new Kibworth Air Quality Action Plan as all actions within he plan have now been completed.

Table 2.2 – Progress on Measures to Improve Air Quality

Measure No.	Measure Title	Category	Classification	Year Measure Introduced in AQAP	Estimated / Actual Completion Date	Organisations Involved	Funding Source	Defra AQ Grant Funding	Funding Status	Estimated Cost of Measure	Measure Status	Reduction in Pollutant / Emission from Measure	Key Performance Indicator	Progress to Date	Comments / Barriers to Implementation
Lutterworth 1	20mph zone	Traffic Management	Reduction of speed limits, 20mph zones	Apr-18	Apr-18	Harborough District Council, Leicestershire County Council Highways	LA, Funding: Defra AQ grant	NO	Funded		Completed		Determine reduction in traffic emissions	Complete	Lengthy Timescale
													Determine impact on air quality	Complete	
													Determine exact area of the speed reduction (likely required to be larger than AQMA by Highway authority) and costs of implementation and undertake cost benefit analysis	none	LCC Highways determined this did not fit within current policy in 2017 . evidence gathered was used to implement a gating system in 2018
Kibworth 1	Impact assessment of local traffic management options.	Transport Planning and Infrastructure	Other	2018	2018	Harborough District Council, Leicestershire County Council Highways	Harborough District Council	NO	Partially Funded		Completed	Cannot be quantified as work is to identify works and the potential benefit	To publish findings	Complete	The modelling has been completed and found that implementing the proposed junction improvements will improve air quality within the AQMA by approximately 4 µg.m-3
	1. Detailed traffic surveys.										Completed				
	2. Undertake traffic simulation of proposed junction improvements.										Completed				
	3. Undertake air quality impact assessment of junction improvements.										Completed				
Kibworth 2	Continue consultation between Regulatory Services and Development Management. Establish mechanism for consultation between the two parties to ensure Regulatory Services are consulted on all relevant planning applications and policy documents	Policy Guidance and Development Control	Air Quality Planning and Policy Guidance	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation	Unlikely to provide improvements to air quality but will limit potential negative impacts		ongoing	

Measure No.	Measure Title	Category	Classification	Year Measure Introduced in AQAP	Estimated / Actual Completion Date	Organisations Involved	Funding Source	Defra AQ Grant Funding	Funding Status	Estimated Cost of Measure	Measure Status	Reduction in Pollutant / Emission from Measure	Key Performance Indicator	Progress to Date	Comments / Barriers to Implementation
Kibworth 3	Provide Guidance and Training to members. Provide guidance and training to the members on assessing air quality impacts and their significance when considering planning applications.	Policy Guidance and Development Control	Air Quality Planning and Policy Guidance	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	Local plan adopted April 2019
Kibworth 4	Ensure air quality policies in Local Plan documents and evidence base. Provide information on air quality to residents in an accessible format.	Policy Guidance and Development Control	Air Quality Planning and Policy Guidance	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	Local plan adopted April 2019
Kibworth 5	Provide information about the AQMA to local residents. Provide information on air quality to residents in an accessible format.	Public Information	Via the Internet	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	
Kibworth 6	Development of local air quality monitoring. Retain monitoring at relevant locations within and adjacent to the AQMA and to install real time monitoring within the AQMA.	Public Information	Via the Internet	2017		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	

2.3 $PM_{2.5}$ – Local Authority Approach to Reducing Emissions and/or Concentrations

As detailed in Policy Guidance LAQM.PG22 (Chapter 8) and the Air Quality Strategy[6], local authorities are expected to work towards reducing emissions and/or concentrations of fine particulate matter ($PM_{2.5}$)). There is clear evidence that $PM_{2.5}$ (particulate matter smaller 2.5 micrometres) has a significant impact on human health, including premature mortality, allergic reactions, and cardiovascular diseases.

The Public Health Outcomes Framework (PHOF) (https://www.gov.uk/government/collections/public-health-outcomes-framework) is a Office of Health Improvement and Disparities data tool for England, intended to focus public health action on increasing healthy life expectancy and reducing differences in life expectancy between communities. The tool uses indicators to assess improvements. Recognising the significant impact that poor air quality can have on health, the PHOF includes an indicator relating to fine particulate matter ($PM_{2.5}$).

The indicator in the PHOF reports the estimates fraction of all-cause adult mortality attributable to anthropogenic particulate air pollution (measured as fine particulate matter).

Based on the latest available figures the position in Harborough District has the 2nd lowest fraction of attributable deaths to particulate air pollution in Leicestershire. (https://fingertips.phe.org.uk/profile/wider-determinants/data#page/0/gid/1938133043/pat/502/par/E10000018/ati/501/are/E07000131/iid/93867/age/-1/sex/-1/cat/-1/ctp/-1/yrr/1/cid/4/tbm/1/page-options/tre-ao-1_tre-so-1)

Harborough District Council is taking the following measures to address $PM_{2.5}$:

- Ongoing work in collaboration with public health staff at Leicestershire County Council is delivered through the Joint Strategic Needs Assessment (JSNA) and associated action plan. Within the JSNA there is a chapter on air quality and health. The chapter recognises that by its nature, air quality cannot be controlled by geographical boundaries or by a single individual alone. Instead, collective, systematic efforts are required to reduce air pollution and its harmful effects on health. The key recommendation was that the Leicestershire Air

[6] Defra. Air Quality Strategy – Framework for Local Authority Delivery, August 2023

Quality and Health Partnership Steering Group should agree a plan to deliver joint actions to tackle poor air quality and related health issues. The first plan has been completed and the group are currently drafting the Air Quality and Health Partnership 2023-26 document he Council controls dust and combustion emissions from permitted processes within the district

- Promoting the use of green waste collection and Leicestershire County Council run waste bring sites over bonfires to dispose of garden waste
- Robust planning process
- Concluded the DEFRA Grant funded project with North West Leicestershire District Council to increase the level of knowledge of $PM_{2.5}$ and ultimately reduce $PM_{2.5}$ emissions by changing behavioural attitudes to solid fuel burning.

2.3.1 Findings of the joint grant project with North West Leicestershire

A 12-month PM10 and PM2.5 monitoring programme was carried out in three villages (Donisthorpe, Oakthorpe and North Kilworth) in NWL and Harborough. The monitoring was funded through a grant funded project awarded to NWL and Harborough District Councils, to support work to increase public awareness of the air quality impacts of solid-fuel burning. This report provides an overview of the monitoring results, to try to identify any quantified evidence of domestic solid fuel burning in the three villages.

Detailed statistical analysis of the monitoring results has not identified any clear influences from solid fuel burning in the vicinity of the any of the monitors. The plots produced seem to show periods of higher concentrations, at times, during colder temperatures, during the evening and over the weekend, which could be interpreted as times when residents are more likely to be burning solid fuel, however variations in PM2.5 can occur for multiple reasons, due to source, meteorology, chemistry or measurement method; in the absence of a clear signal from the monitoring data and its subsequent analysis, it is concluded that data are not clear enough to draw a conclusion as to what is driving these elevated concentrations.

The full report is attached as

- Appendix C1 Domestic Fuel Burning.

3 Air Quality Monitoring Data and Comparison with Air Quality Objectives and National Compliance

This section sets out the monitoring undertaken within 2023 by Harborough District Council and how it compares with the relevant air quality objectives. In addition, monitoring results are presented for a five-year period between 2019 and 2023 to allow monitoring trends to be identified and discussed.

3.1 Summary of Monitoring Undertaken

3.1.1 Automatic Monitoring Sites

Harborough District Council undertook automatic (continuous) monitoring at 1 site using a reference monitor and 2 sites using a low-cost zephyr monitor during 2023. **Error! Reference source not found.** in Appendix A shows the details of the automatic monitoring sites.

Maps showing the location of the monitoring sites are provided in Appendix D. Further details on how the monitors are calibrated and how the data has been adjusted are included in Appendix C.

3.1.2 Non-Automatic Monitoring Sites

Harborough District Council undertook non- automatic (i.e. passive) monitoring of NO_2 at 34 sites during 2023. **Error! Reference source not found.** in Appendix A presents the details of the non-automatic sites.

Maps showing the location of the monitoring sites are provided in Appendix D. Further details on Quality Assurance/Quality Control (QA/QC) for the diffusion tubes, including bias adjustments and any other adjustments applied (e.g. annualisation and/or distance correction), are included in Appendix C.

3.2 Individual Pollutants

The air quality monitoring results presented in this section are, where relevant, adjusted for bias, annualisation (where the annual mean data capture is below 75% and greater

than 25%), and distance correction. Further details on adjustments are provided in Appendix C.

3.2.1 Nitrogen Dioxide (NO_2)

Error! Reference source not found. and **Error! Reference source not found.** in Appendix A compare the ratified and adjusted monitored NO_2 annual mean concentrations for the past five years with the air quality objective of 40µg/m^3. Note that the concentration data presented represents the concentration at the location of the monitoring site, following the application of bias adjustment and annualisation, as required (i.e. the values are exclusive of any consideration to fall-off with distance adjustment).

For diffusion tubes, the full 2023 dataset of monthly mean values is provided in Appendix B. Note that the concentration data presented in Table B.1 includes distance corrected values, only where relevant.

Error! Reference source not found. in Appendix A compares the ratified continuous monitored NO_2 hourly mean concentrations for the past five years with the air quality objective of 200µg/m^3, not to be exceeded more than 18 times per year.

3.2.1.1 Lutterworth

There are 10 long term diffusion tube monitoring locations in and around the Lutterworth AQMA. All locations were significantly below the annual mean air quality standard for NO_2. Trends for the monitoring locations in and around the AQMA are shown in Figure A. 1 – Trends in Annual Mean NO2 Concentrations in Lutterworth. This is the 6th year that the air quality standard has been achieved however,

- results were substantially lower in 2020 and 2021 than in previous years this is likely still a result of the COVID19.
- Results in 2021 were slightly higher than in 2020 but still generally lower than 2018/19
- Results for 5 location in 2023 where slightly higher than in 2022 but were still substantially lower than in 2018.

Where AQMA have shown compliance for several years and the local authority is confident that the AQMA is compliant the AQMA should be revoked inline with the LAQM policy and technical guidance.

3.2.1.2The Kibworths

There are 10 long term diffusion tube monitoring locations within the Kibworths. During 2023 all locations were below the Annual mean Air quality Standard for NO_2, however location 34n did exceed 36µg.m^{-3}.

Trends for the monitoring locations in and around the AQMA are shown in Figure A. 2 – Trends in Annual Mean NO2 Concentrations in The Kibworths

The automatic monitor and the Zephyr low cost monitor did not detect any exceedances of either the hourly or annual mean air quality objectives for NO_2.

3.2.1.3Market Harborough

There are 5 long term diffusion tube monitoring locations within Market Harborough, all locations were below the annual mean air quality standard for NO_2. Trends for the monitoring locations are shown in Figure A. 3 – Trends in Annual Mean NO2 Concentrations in Market Harborough

3.2.1.4A5

There are 2 long term diffusion tube monitoring locations along the A5, both were below the annual mean air quality standard for NO_2. Trends for the monitoring locations are shown in Figure A. 4 – Trends in Annual Mean NO2 Concentrations in A5

3.2.1.5Broughton Astley

There are 2 long term diffusion tube monitoring locations within Broughton Astley, both locations were below the annual mean air quality standard for NO_2. Trends for the monitoring locations are shown in Figure A. 5 – Trends in Annual Mean NO2 Concentrations in Broughton Astley

3.2.1.6Theddingworth

There are 2 long term diffusion tube monitoring locations in Theddingworth both were below the annual mean air quality standard for NO_2. Trends for the monitoring locations are shown in Figure A. 6 – Trends in Annual Mean NO2 Concentrations in Theddingworth

3.2.1.7Bushby, Fleckney & Walcote

3 other locations have been monitored Walcote (45n) Fleckney (50n) and Bushby (51n) all locations recorded concentrations below the Annual mean air quality objective for NO_2.

Trends for the monitoring locations are shown in Figure A. 7 – Trends in Annual Mean NO2 Concentrations in other locations

The zephyr (Z3) located in North Kilworth did not detect an exceedence of the annual mean air quality standard for NO_2.

3.2.2 Particulate Matter (PM_{10})

Table A.6 in Monitoring Results compares the ratified and adjusted monitored PM_{10} annual mean concentrations for the past five years with the air quality objective of 40µg/m^3.

Table A.7 in Appendix A compares the ratified continuous monitored PM_{10} daily mean concentrations for the past five years with the air quality objective of 50µg/m^3, not to be exceeded more than 35 times per year.

3.2.2.1The Kibworths

The zephyr low cost analyser has been located in Kibworth did not detect an exceedance of the Annual mean air quality objective for PM_{10} and no exceedances of the daily mean air quality objective for PM_{10} were detected.

3.2.2.2North Kilworth

A zephyr low cost analyser has been located in North Kilworth did not detect an exceedance of the Annual mean air quality objective for PM_{10} and no exceedances of the daily mean air quality objective for PM_{10} were detected.

3.2.3 Particulate Matter ($PM_{2.5}$)

Table A.8 in Appendix A presents the ratified and adjusted monitored $PM_{2.5}$ annual mean concentrations for the past five years.

3.2.3.1The Kibworths

The zephyr low cost analyser has been located in Kibworth did not detect an exceedance of the Annual mean air quality objective for $PM_{2.5}$

3.2.3.2North Kilworth

A zephyr low cost analyser has been located in North Kilworth did not detect an exceedance of the Annual mean air quality objective for $PM_{2.5}$

Appendix A. Monitoring Results

Table A 1 – Details of Automatic Monitoring Sites

Site ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Monitoring Technique	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Inlet Height (m)
A1	Kibworth	Roadside	468114	294353	NO2	yes Kibworth	chemiluminesence	9	2.5	1.8
Z2	Kibworth	Roadside	468309	294352	NO2 PM2.5 PM10	yes Kibworth	Zephyr	0	1.4	2.5
Z3	North Kilworth	Rural	461675	283303	NO2 PM2.5 PM10	No	Zephyr			2

Notes:

(1) 0m if the monitoring site is at a location of exposure (e.g. installed on the façade of a residential property).

(2) N/A if not applicable

Table A 2– Details of Non-Automatic Monitoring Sites

Diffusion Tube ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NA S02	Lut. Service Shop	Roadside	454475	284560	NO2	Lutterworth	0.0	4.2		2.0
NA S10	Day Nursery	Roadside	454539	284932	NO2		9.0	1.3		2.0
NA S11	A6 Kibworth	Roadside	468425	294314	NO2	Kibworth	10.7	1.3		2.0
NA S17	Jazz Hair	Roadside	454443	284348	NO2	Lutterworth	0.0	3.0		2.0
NA S09	77 leicester road	Roadside	454533	284872	NO2		0.0	13.5		2.0
NA S01	6 The Terrace Rugby Road	Roadside	454428	284274	NO2	Lutterworth	0.0	2.5		2.0
NA S04	regent court	Roadside	454410	284326	NO2	Lutterworth	2.0	1.0		2.0
NA S05	26 Market Street Lutterworth	Roadside	454497	284618	NO2	Lutterworth	1.6	4.8		2.0
NA S13	24 Rugby Road Lutterworth	Roadside	454432	284229	NO2		0.0	2.0		2.0
NA S07	17 Rugby road Lutterworth	Roadside	454476	284178	NO2		3.7	5.2		2.0
NA S18	Spencerdene main street theddingworth	Roadside	466535	285545	NO2		1.2	0.2		2.0
NA S06	Homeside main street Theddingworth	Roadside	466651	285607	NO2		0.2	1.4		2.0

Diffusion Tube ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NA S03	40 regent street lutterworth	Roadside	466651	285607	NO2		0.2	1.4		2.0
NA S08	69 leicester road Kibworth	Roadside	467933	294660	NO2	Kibworth	3.5	4.0		2.0
NA S19	Alma House, Watling Street Claybrooke Parva	Roadside	448065	287719	NO2		0.0	7.0		2.0
NA S20	sign post outside White House Farm Watling street	Roadside	448948	286554	NO2		14.0	1.0		2.0
NA S14	sign outside 64 Leicester Road Kibworth	Roadside	468143	294351	NO2	Kibworth	0.5	2.3		2.0
NA S12	lamppost outside 78 leicester road kibworth	Roadside	468022	294450	NO2	Kibworth	3.1	6.4		2.0
NA S15	signpost just north of 11 Leicester road Kibworth	Roadside	468309	294352	NO2	Kibworth	0.0	1.4		2.0
NA S16	pizza Express st marys road	Roadside	473749	287214	NO2		0.0	1.4		2.0
NA S21	coach and horse kibworth	Roadside	468403	294298	NO2	Kibworth	2.2	2.5		2.0
NA S22	lamppost 29 church road kibworth	Roadside	468412	294218	NO2		10.2	2.0		2.0
NA S23	106 main street kibworth	Roadside	468027	294570	NO2		0.0	1.7		2.0

Diffusion Tube ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NA S24	lampost outside 52 Leicester Road	Roadside	468982	293824	NO2	Kibworth	9.0	2.2		2.0
NA S25	road sign on leicester road, rear of 9 Milestone Close	Roadside	469037	293796	NO2		12.0	2.0		2.0
NA S26	3 dunton road BA	Roadside	453583	292002	NO2		2.9	1.5		2.0
NA S27	16 Main Street, BA (on wooden pole outside the shop)	Roadside	453625	291935	NO2		2.0	0.2		2.0
NA S28	lampost est of 5 Lutterworth road Walcote	Roadside	456575	283605	NO2		3.0	0.2		2.0
NA S29	sw junction welland park road and northamton road MH	Roadside	473596	286821	NO2		14.0	2.3		2.0
NA S30	53 northamton road MH	Roadside	473598	286851	NO2		9.0	1.0		2.0
NA S31	7 leicester road MH	Roadside	473172	287534	NO2		2.6	2.9		2.0
NA S32	lamppost outside 12 Springfield Street MH	Roadside	473678	286931	NO2		2.1	1.9		2.0
NA S33	lamppost carpark adj Fleckney Fish bar, High street	Roadside	464971	293501	NO2		0.1	2.0		2.0

Diffusion Tube ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Tube Co-located with a Continuous Analyser?	Tube Height (m)
NA S34	lamppost outside thurnby memorial hall, main street, bushby	Roadside	464773	303914	NO2		1.6	3.8		2.0

Notes:

(1) 0m if the monitoring site is at a location of exposure (e.g. installed on the façade of a residential property).

(2) N/A if not applicable.

Table A 3 – Annual Mean NO2 Monitoring Results: Automatic Monitoring (µg/m3)

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
A1	468114	294353	Roadside	99.9	99.9	**43.97**	30.64	32.22	31	29
Z2	468309	294352	Roadside	99.2	99.2		34.47	35.01	17.5	16.1
Z3	461675	283303	Rural	95.7	95.7				4.2	3.23

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.**

☒ **Reported concentrations are those at the location of the monitoring site (annualised, as required), i.e. prior to any fall-off with distance correction**

☒ **Where exceedances of the NO_2 annual mean objective occur at locations not representative of relevant exposure, the fall-off with distance concentration has been calculated and reported concentration provided in brackets for 2023**

Notes:

The annual mean concentrations are presented as µg/m^3.

Exceedances of the NO_2 annual mean objective of 40µg/m^3 are shown in **bold**.

All means have been "annualised" as per LAQM.TG22 if valid data capture for the full calendar year is less than 75%. See Appendix C for details.

Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Table A 4 – Annual Mean NO2 Monitoring Results: Non-Automatic Monitoring (µg/m3)

Diffusion Tube ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) [1]	Valid Data Capture 2023 (%) [2]	2019	2020	2021	2022	2023
NA S02	454475	284560	Roadside		98.1	37.9	29.2	31.7	31.9	30.7
NA S10	454539	284932	Roadside		64.6	**41.8**	21.6	22.9	17.9	17.2
NA S11	468425	294314	Roadside		98.1	29.4	20.7	22.7	22.7	21.2
NA S17	454443	284348	Roadside		98.1	34.0	26.1	28.4	29.8	28.2
NA S09	454533	284872	Roadside		98.1	18.3	14.3	14.6	13.8	13.2
NA S01	454428	284274	Roadside		89.6	25.3	19.9	23.3	22.8	21.7
NA S04	454410	284326	Roadside		98.1	32.8	26.7	28.8	27.5	26.7
NA S05	454497	284618	Roadside		98.1	29.7	23.6	24.3	24.5	23.0
NA S13	454432	284229	Roadside		98.1	30.2	25.2	26.2	24.4	24.3
NA S07	454476	284178	Roadside		90.9	24.4	21.0	23.8	22.9	23.0
NA S18	466535	285545	Roadside		98.1	17.5	14.5	12.2	12.8	13.0
NA S06	466651	285607	Roadside		98.1	21.6	14.6	17.7	17.3	15.5
NA S03	466651	285607	Roadside		89.6	17.6	12.7	14.1	16.7	15.4

Diffusion Tube ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) [1]	Valid Data Capture 2023 (%) [2]	2019	2020	2021	2022	2023
NA S08	467933	294660	Roadside		87.9	28.6	23.6	25.2	23.1	23.9
NA S19	448065	287719	Roadside		72.0	23.9	18.8	20.6	17.3	19.1
NA S20	448948	286554	Roadside		98.1	21.9	16.4	17.8	18.0	17.1
NA S14	468143	294351	Roadside		98.1	**52.0**	37.6	38.0	39.6	37.0
NA S12	468022	294450	Roadside		98.1	38.5	26.2	30.7	29.6	28.3
NA S15	468309	294352	Roadside		98.1	34.5	24.8	26.8	27.9	27.7
NA S16	473749	287214	Roadside		98.1	27.7	20.3	20.7	20.9	20.1
NA S21	468403	294298	Roadside		98.1	19.8	15.0	15.3	16.7	14.3
NA S22	468412	294218	Roadside		98.1	17.7	13.9	14.9	14.3	13.9
NA S23	468027	294570	Roadside		98.1	21.1	16.1	16.3	15.8	16.4
NA S24	468982	293824	Roadside		98.1	19.3	13.4	14.9	15.4	13.8
NA S25	469037	293796	Roadside		82.1	21.6	15.3	16.8	16.1	17.4
NA S26	453583	292002	Roadside		89.8	19.1	15.4	18.4	18.0	17.5
NA S27	453625	291935	Roadside		71.7	18.1	13.0	13.3	12.5	16.3

Diffusion Tube ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
NA S28	456575	283605	Roadside		98.1	31.4	22.0	24.1	26.5	12.6
NA S29	473596	286821	Roadside		87.9	27.0	21.9	25.9	24.6	25.1
NA S30	473598	286851	Roadside		98.1	26.1	18.5	22.4	21.3	23.0
NA S31	473172	287534	Roadside		98.1	26.0	17.9	22.8	20.9	20.9
NA S32	473678	286931	Roadside		67.6		12.8	14.9	13.8	18.8
NA S33	464971	293501	Roadside		64.8		10.3	11.8	13.1	12.8
NA S34	464773	303914	Roadside		82.7			17.7	15.2	12.2

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG22**

☒ **Diffusion tube data has been bias adjusted**

☒ **Reported concentrations are those at the location of the monitoring site (bias adjusted and annualised, as required), i.e. prior to any fall-off with distance correction**

Notes:

The annual mean concentrations are presented as µg/m^3.

Exceedances of the NO_2 annual mean objective of 40µg/m^3 are shown in **bold**.

NO_2 annual means exceeding 60µg/m^3, indicating a potential exceedance of the NO_2 1-hour mean objective are shown in **bold and underlined**.

Means for diffusion tubes have been corrected for bias. All means have been “annualised” as per LAQM.TG22 if valid data capture for the full calendar year is less than 75%. See Appendix C for details.

Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Figure A. 1 – Trends in Annual Mean NO2 Concentrations in Lutterworth

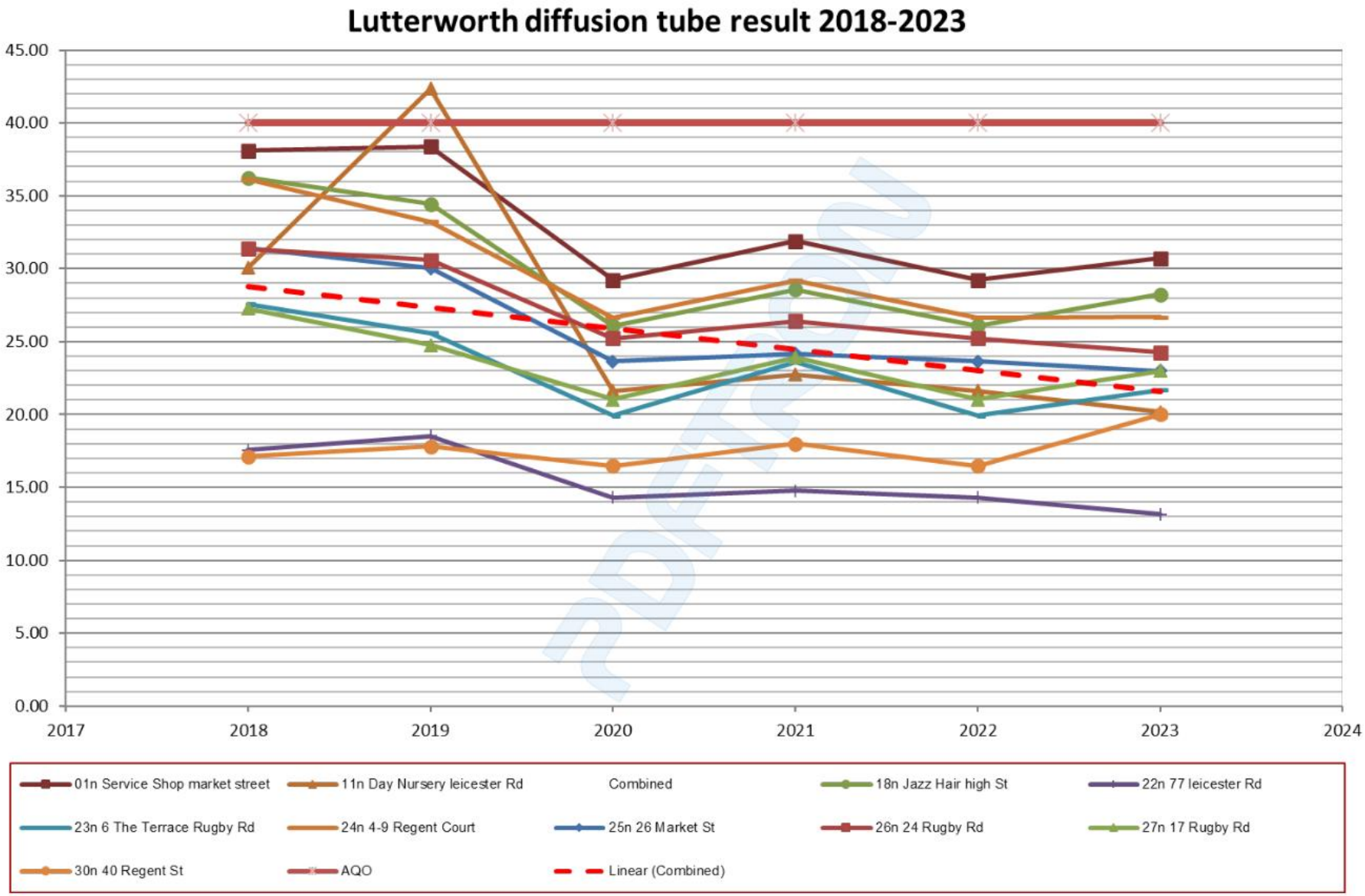


Figure A. 2 – Trends in Annual Mean NO2 Concentrations in The Kibworths

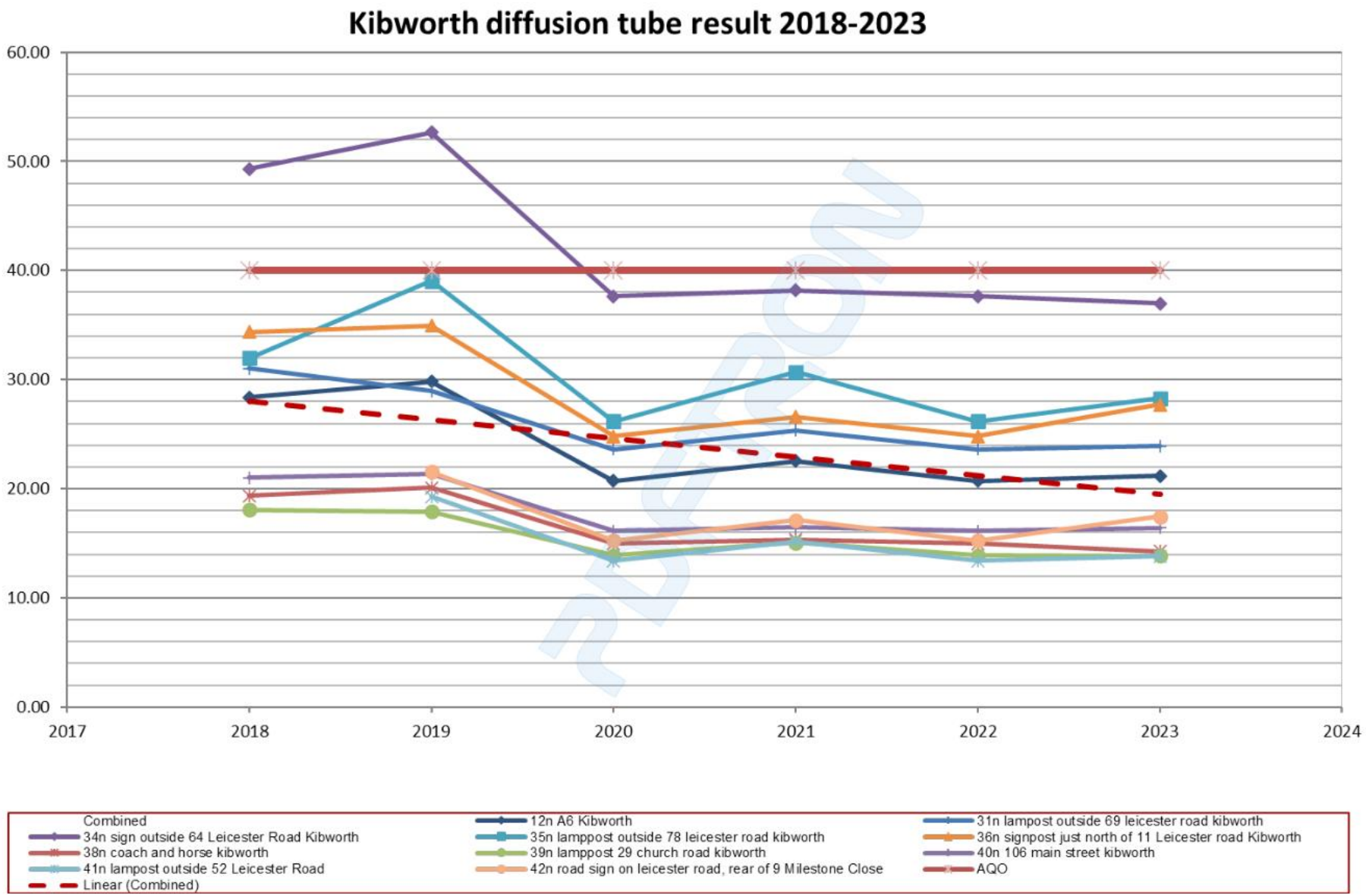


Figure A. 3 – Trends in Annual Mean NO2 Concentrations in Market Harborough

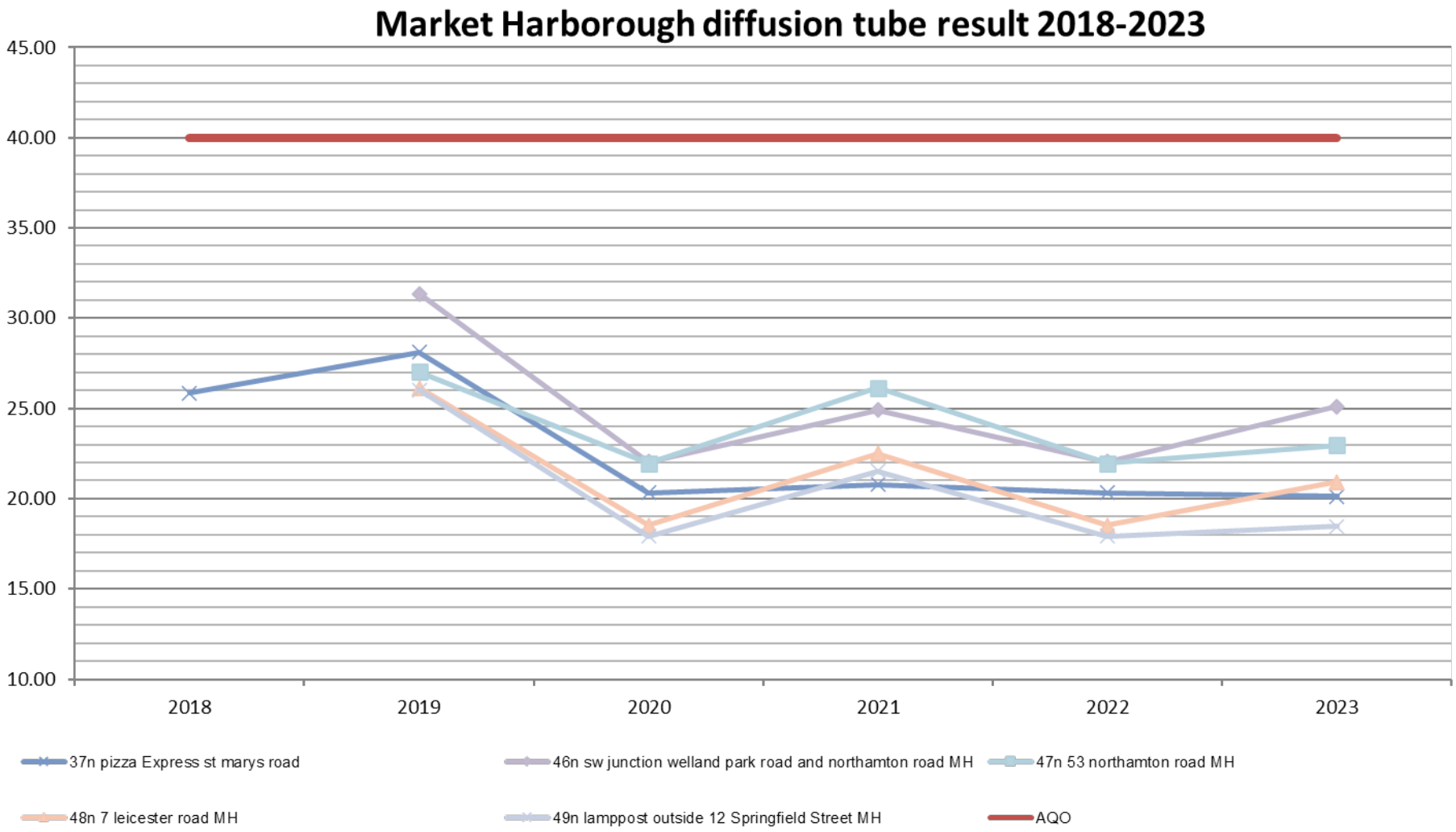


Figure A. 4 – Trends in Annual Mean NO2 Concentrations in A5

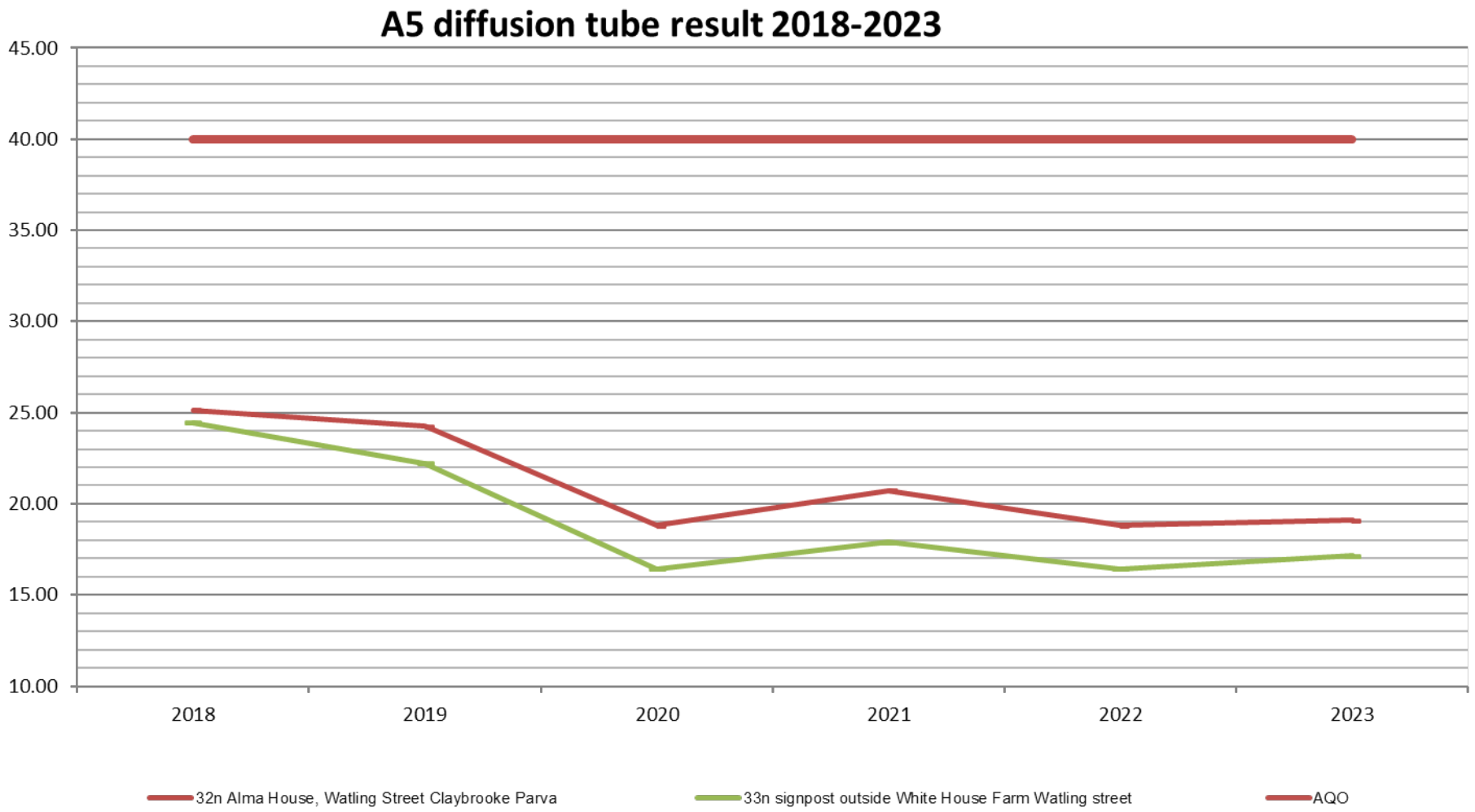


Figure A. 5 – Trends in Annual Mean NO2 Concentrations in Broughton Astley

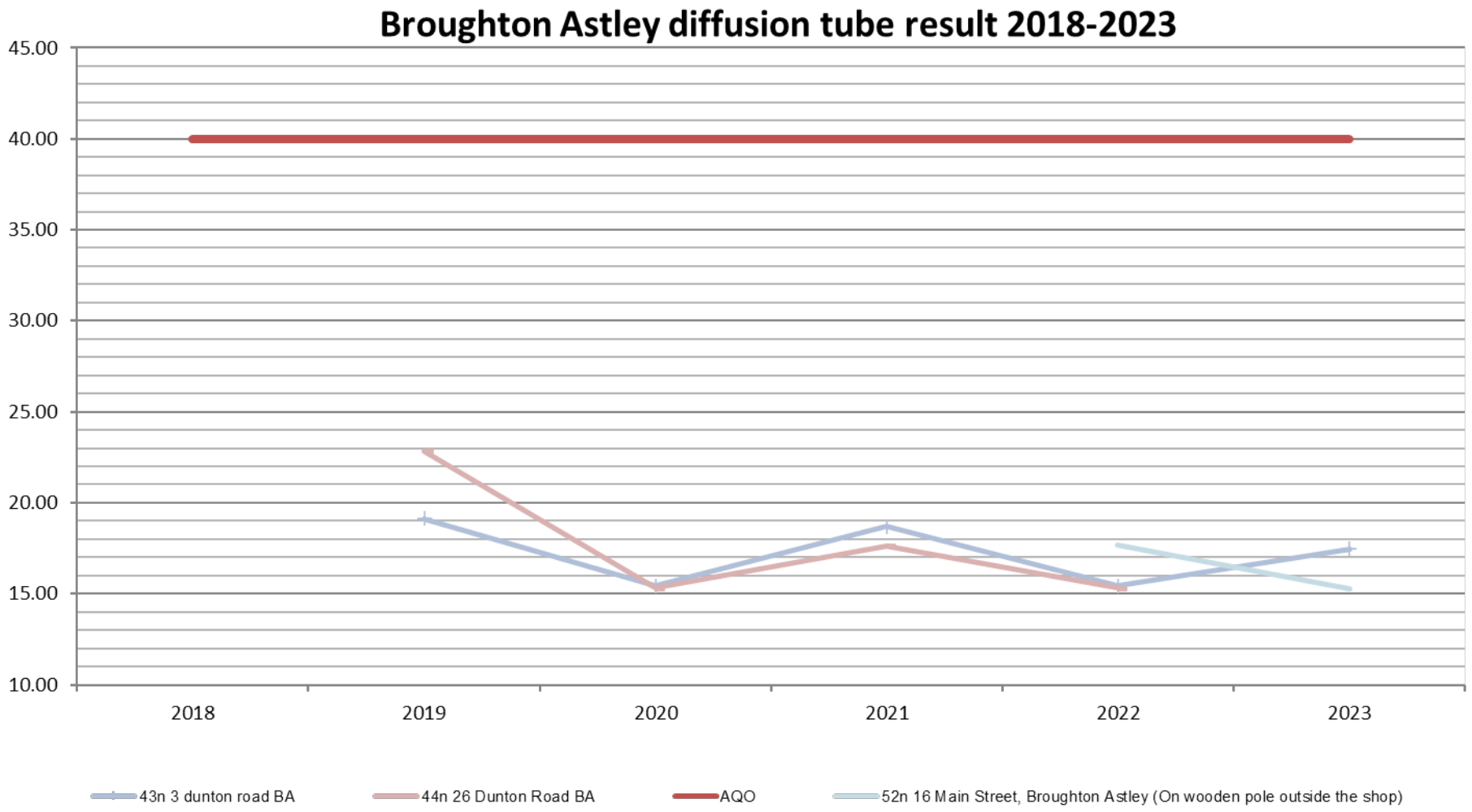


Figure A. 6 – Trends in Annual Mean NO2 Concentrations in Theddingworth

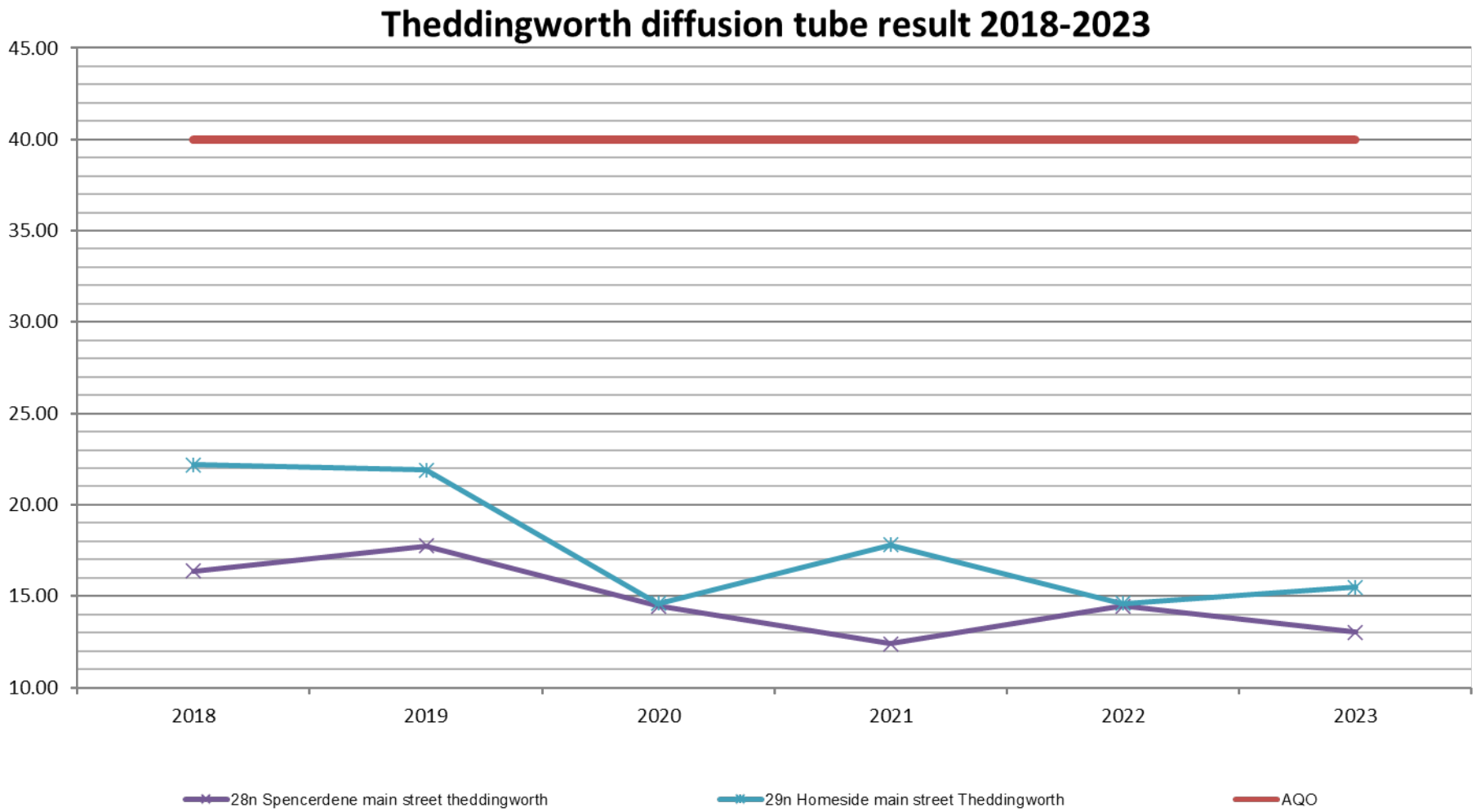


Figure A. 7 – Trends in Annual Mean NO2 Concentrations in other locations

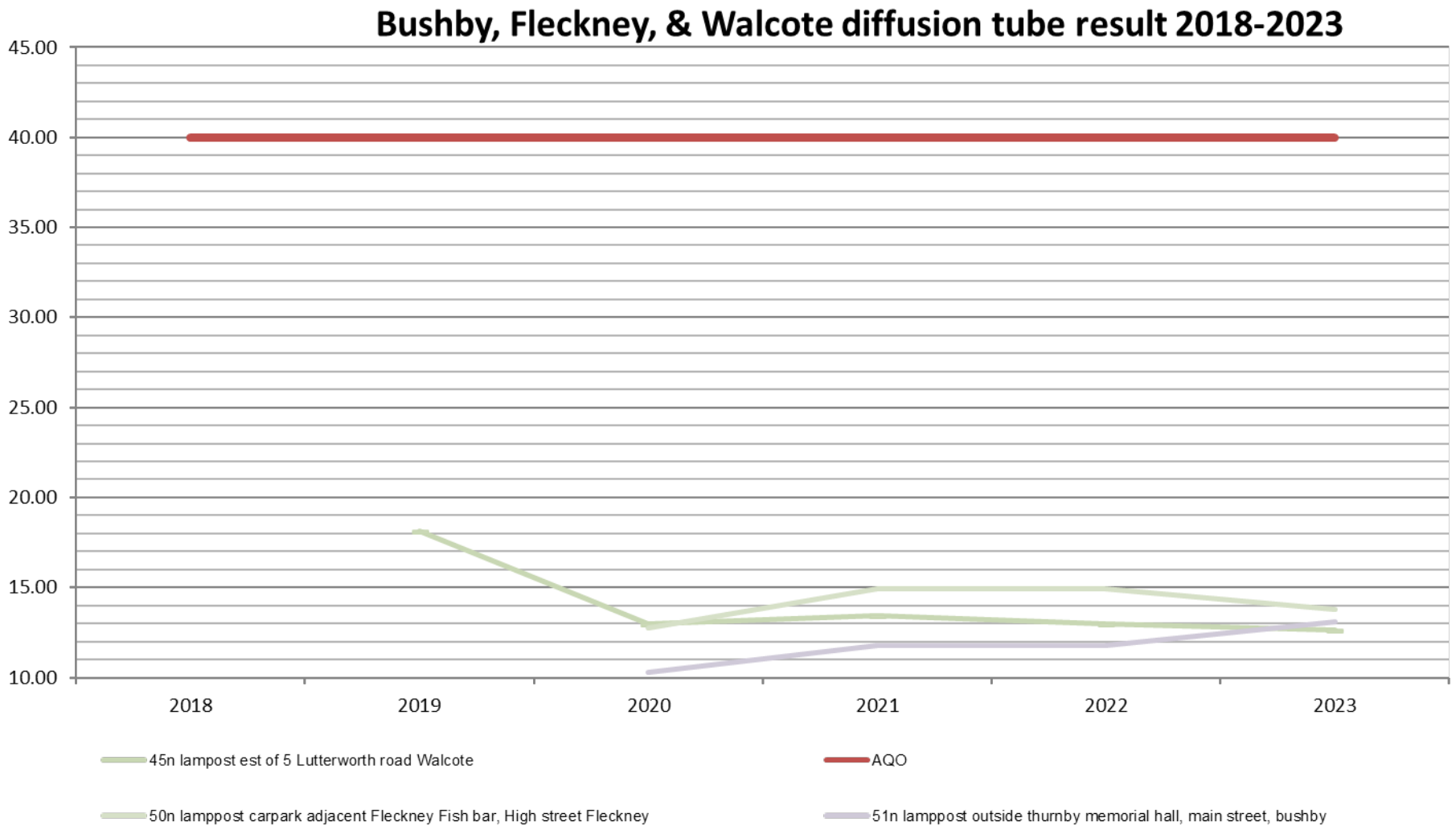


Table A 5 – 1-Hour Mean NO2 Monitoring Results, Number of 1-Hour Means > 200µg/m3

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
A1	468114	294353	Roadside	99.9	99.9	0	0	0	0	0
Z2	468309	294352	Roadside	99.2	99.2		**3 (153)**	0	0	0
Z3	461675	283303	Rural	95.7	95.7				0	0

Notes:

Results are presented as the number of 1-hour periods where concentrations greater than 200µg/m^3 have been recorded.

Exceedances of the NO_2 1-hour mean objective (200µg/m^3 not to be exceeded more than 18 times/year) are shown in **bold**.

If the period of valid data is less than 85%, the 99.8th percentile of 1-hour means is provided in brackets.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Table A.6 – Annual Mean PM_{10} Monitoring Results ($\mu g/m^3$)

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) [1]	Valid Data Capture 2023 (%) [2]	2019	2020	2021	2022	2023
Z2	468309	294352	Roadside	99.03	99.03		**16.2**	**9.18**	**12.4**	**11.36**
Z3	461675	283303	Rural	95.65	95.65				11.7	10.26

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG22 (confirm by selecting in box).**

Notes:

The annual mean concentrations are presented as $\mu g/m^3$.

Exceedances of the PM_{10} annual mean objective of 40$\mu g/m^3$ are shown in **bold**.

All means have been "annualised" as per LAQM.TG22 if valid data capture for the full calendar year is less than 75%. See Appendix C for details.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Figure A. 8 – Trends in Annual Mean PM10 Concentrations

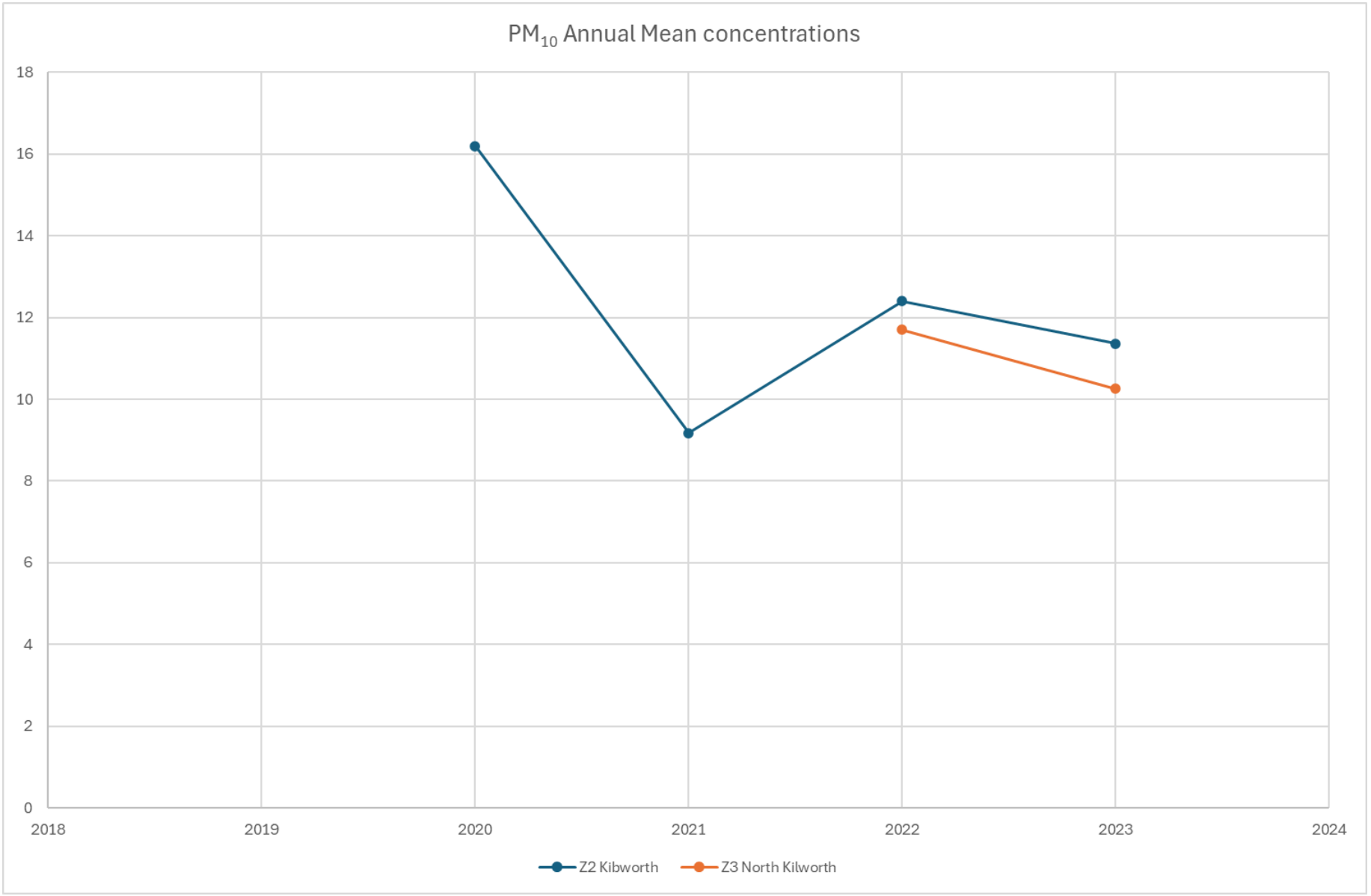


Table A.7 – 24-Hour Mean PM_{10} Monitoring Results, Number of PM_{10} 24-Hour Means > 50µg/m^3

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
Z2	468309	294352	Roadside	99.03	99.03		**0 (20.63)**	0	**0 (20.5)**	0
Z3	461675	283303	Rural	95.65	95.65				**0 (23.2)**	0

Notes:

Results are presented as the number of 24-hour periods where daily mean concentrations greater than 50µg/m^3 have been recorded.

Exceedances of the PM_{10} 24-hour mean objective (50µg/m^3 not to be exceeded more than 35 times/year) are shown in **bold**.

If the period of valid data is less than 85%, the 90.4th percentile of 24-hour means is provided in brackets.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Table A.8 – Annual Mean $PM_{2.5}$ Monitoring Results ($\mu g/m^3$)

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
Z2	468309	294352	Roadside	99.03%	99.03%		9.21	6.82	11.5	10.36
Z3	461675	283303	Rural	95.65%	95.65%				10.07	9.35

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG22.**

Notes:

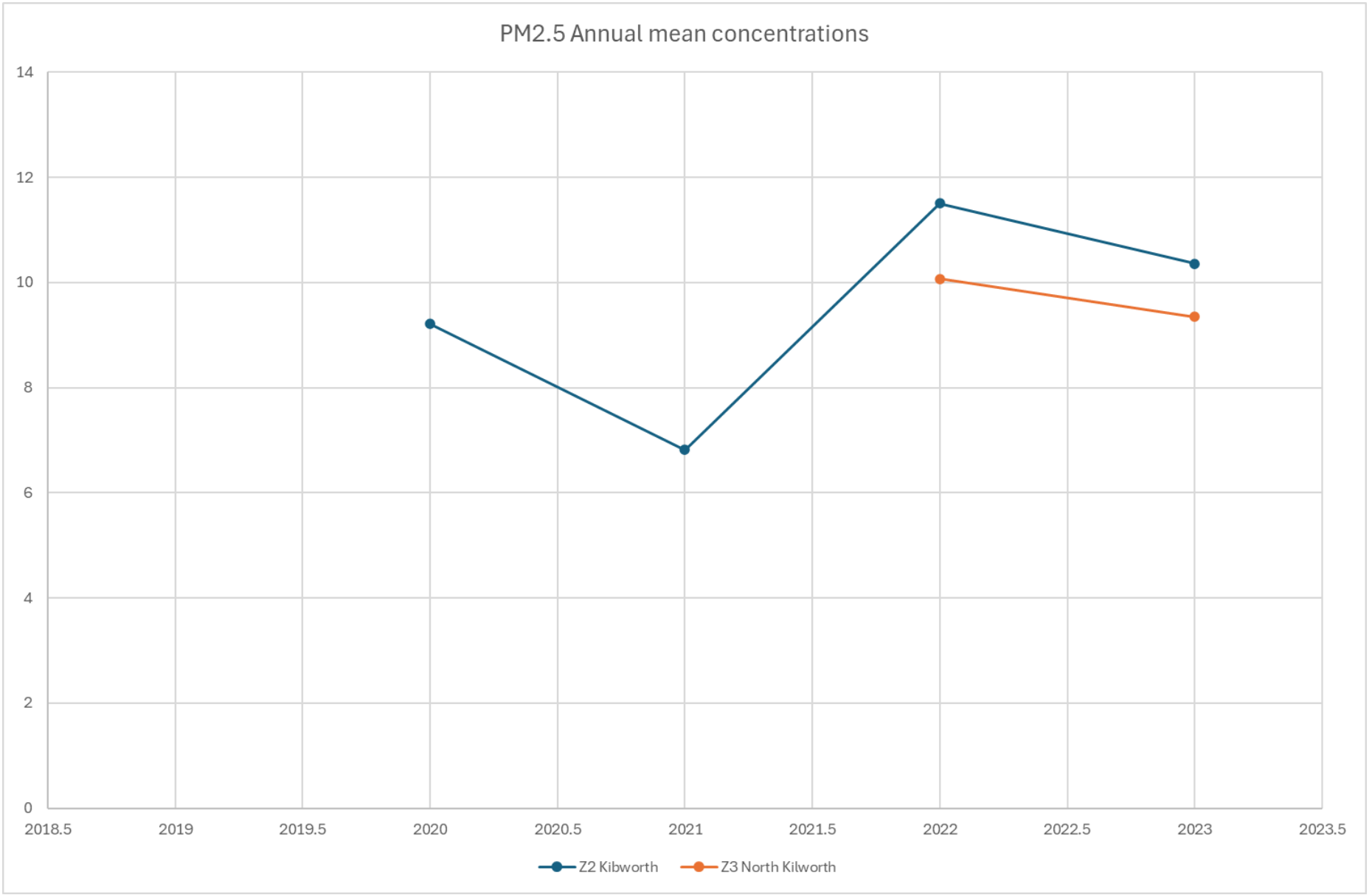
The annual mean concentrations are presented as $\mu g/m^3$.

All means have been “annualised” as per LAQM.TG22 if valid data capture for the full calendar year is less than 75%. See Appendix C for details.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.

(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Figure A. 9 – Trends in Annual Mean PM2.5 Concentrations



Appendix B. Full Monthly Diffusion Tube Results for 2023

Table B.1 – NO_2 2023 Diffusion Tube Results ($\mu g/m^3$)

DT ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean: Raw Data	Annual Mean: Annualised and Bias Adjusted <(x.x)>	Annual Mean: Distance Corrected to Nearest Exposure	Comment
01n	454475	284560	52.4	39.4	39.6	37.1	37.9	42.7	41.7	38.6	37.6	35.6	42.2	33.7	39.9	30.7	-	
11n	454539	284932	32.6	21.9	33.3	25.0					26.3	25.6	26.7	18.0	26.2	17.2	-	
12n	468425	294314	34.7	30.0	26.6	22.9	25.0	25.6	26.8	23.6	23.4	28.8	36.9	25.7	27.5	21.2	-	
18n	454443	284348	48.9	30.7	50.7	40.3	26.6	33.5	35.8	43.0	33.5	35.1	38.8	23.1	36.7	28.2	-	
22n	454533	284872	18.5	18.8	19.6	16.1	14.8	14.7	16.0	16.5	16.3	18.3	21.7	13.9	17.1	13.2	-	
23n	454428	284274	32.3	24.6	33.8	35.6		24.2	20.7	32.3	26.4	27.1	29.1	23.7	28.2	21.7	-	
24n	454410	284326	50.6	25.6	42.2	29.2	29.4	32.6	33.4	41.4	31.7	30.3	40.7	28.7	34.7	26.7	-	
25n	454497	284618	41.0	30.6	38.8	33.5	16.3	27.4	27.1	34.6	29.7	27.9	28.7	22.5	29.8	23.0	-	
26n	454432	284229	46.8	40.6	37.5	17.5	30.4	33.1	31.1	26.2	27.2	28.2	32.2	27.3	31.5	24.3	-	
27n	454476	284178	37.1	27.9	36.5	28.8	24.0		26.3	29.7	30.2	27.4	34.0	26.5	29.9	23.0	-	
28n	466535	285545	23.1	15.5	18.2	13.8	14.8	14.2	14.1	14.5	19.9	23.1	14.9	16.8	16.9	13.0	-	
29n	466651	285607	34.5	23.8	22.5	21.0	17.2	16.5	18.3	22.2	16.3	16.4	21.3	11.4	20.1	15.5	-	
30n	466651	285607	28.7	18.6	27.6	31.3		14.5	12.5	16.2	16.8	18.7	17.2	18.0	20.0	15.4	-	
31n	467933	294660	49.8	25.3	32.9	32.0	24.3	23.4	26.7		29.6	34.8	37.8	25.0	31.1	23.9	-	
32n	448065	287719	34.5	21.0	30.3	24.0	22.1	18.9			21.6		34.0	16.8	24.8	19.1	-	
33n	448948	286554	33.7	21.7	26.3	18.8	18.3	19.0	21.7	19.7	19.1	22.4	24.9	21.6	22.3	17.1	-	
34n	468143	294351	62.3	56.4	50.5	44.6	47.9	52.3	49.6	49.7	52.0	51.9	41.2	18.1	48.0	37.0	35.6	
35n	468022	294450	55.5	39.7	43.2	36.6	37.6	40.7	40.3	14.7	36.4	32.6	35.8	28.0	36.8	28.3	-	
36n	468309	294352	43.6	32.6	43.9	33.5	31.9	34.8	32.9	32.8	36.9	37.5	41.5	30.3	36.0	27.7	-	
37n	473749	287214	38.0	27.1	33.5	23.0	22.2	23.4	24.1	20.6	24.3	25.0	28.4	24.1	26.1	20.1	-	
38n	468403	294298	33.2	19.1	26.5	18.6	14.9	22.5	17.1	19.1	15.1	20.9	1.8	13.4	18.5	14.3	-	
39n	468412	294218	28.7	19.9	20.3	17.3	13.5	16.7	14.3	13.1	15.7	19.5	22.1	15.2	18.0	13.9	-	
40n	468027	294570	18.4	23.6	19.0	15.8	17.6	17.3	16.6	37.2	20.4	22.7	26.3	21.1	21.3	16.4	-	
41n	468982	293824	28.9	21.9	27.0	15.6	13.7	13.9	14.7	17.4	18.3	17.7	13.7	12.8	18.0	13.8	-	
42n	469037	293796	32.2		32.2	20.3		17.8	18.4	22.8	17.6	21.5	27.1	16.6	22.7	17.4	-	
43n	453583	292002	35.1	25.7	30.1	21.5	18.4	15.9	17.4	20.8	18.6		28.8	17.1	22.7	17.5	-	
44n	453625	291935	31.4	20.0	27.2	15.6		26.0			15.0	19.2	20.3	15.6	21.1	16.3	-	

DT ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Mean: Raw Data	Annual Mean: Annualised and Bias Adjusted <(x.x)>	Annual Mean: Distance Corrected to Nearest Exposure	Comment
45n	456575	283605	20.0	18.0	19.9	10.2	14.9	14.1	15.0	12.9	16.7	17.9	19.2	18.1	16.4	12.6	-	
46n	473596	286821	48.6	34.6	36.8	28.0	29.5	32.3	33.4		31.4	32.4	24.7	27.0	32.6	25.1	-	
47n	473598	286851	40.3	29.7	43.1	33.1	27.6	26.1	28.8	33.1	24.8	24.2	27.7	19.3	29.8	23.0	-	
48n	473172	287534	38.4	22.6	37.7	29.8	23.6	15.8	23.8	25.8	24.3	28.6	37.1	18.7	27.2	20.9	-	
49n	473678	286931		25.5	29.5		21.4	20.7	23.5	29.6			20.8	20.7	24.0	18.8	-	
50n	464971	293501		17.1	24.6	15.4	13.0	12.9	14.2				20.6	15.6	16.7	12.8	-	
51n	464773	303914	36.3	20.1	16.6	12.6	10.7	9.3	11.2	10.5			14.8	16.0	15.8	12.2	-	

☒ **All erroneous data has been removed from the NO_2 diffusion tube dataset presented in Table B.1.**

☒ **Annualisation has been conducted where data capture is <75% and >25% in line with LAQM.TG22.**

☐ **Local bias adjustment factor used.**

☒ **National bias adjustment factor used.**

☒ **Where applicable, data has been distance corrected for relevant exposure in the final column.**

☒ **Harborough District Council confirm that all 2023 diffusion tube data has been uploaded to the Diffusion Tube Data Entry Syste.**

Notes:

Exceedances of the NO_2 annual mean objective of 40µg/m^3 are shown in **bold**.

NO_2 annual means exceeding 60µg/m^3, indicating a potential exceedance of the NO_2 1-hour mean objective are shown in **bold and underlined**.

See Appendix C for details on bias adjustment and annualisation.

Appendix C. Supporting Technical Information / Air Quality Monitoring Data QA/QC

New or Changed Sources Identified Within Harborough District During 2023

Harborough District Council has not identified any new sources relating to air quality within the reporting year of 2023.

Additional Air Quality Works Undertaken by Harborough District Council During 2023

The council in partnership with North West Leicestershire District Council undertook a DEFAR funded regarding the impacts of solid fuel burning on PM2.5 . the full report is attached as

- appendix C1 Domestic Solid-fuel burning

QA/QC of Diffusion Tube Monitoring

The supplier used for diffusion tubes within 2023 was Socotec (Didcote) and the method of preparation was 50% TEA in acetone.

Socotecs QA/QC data is attached as appendix C2 NO2 Diffusion Tube Information 2023

Monitoring has been completed in adherence with the 2023 Diffusion Tube Monitoring Calendar

The Full Diffusion tube Data processing tool v4.0 is attached at appendix C3

Diffusion Tube Annualisation

Table C.1 – Annualisation Summary (concentrations presented in µg/m^3)

Site ID	Annualisation Factor Leamington Spa	Annualisation Factor Leicester University	Annualisation Factor Northampton Spring Park	Annualisation Factor Nottingham Centre	Average Annualisation Factor	Raw Data Annual Mean	Annualised Annual Mean
11n	0.8229	0.8773	0.8385	0.8806	0.8548	26.2	22.4
32n	0.9022	0.9258	0.9393	0.9442	0.9279	24.8	-
44n	0.8635	0.9048	0.8764	0.9171	0.8904	21.1	-
49n	1.0430	1.0053	1.0364	0.9963	1.0202	24.0	24.4
50n	0.9955	0.9931	1.0281	0.9722	0.9972	16.7	16.6

Diffusion Tube Bias Adjustment Factors

The diffusion tube data presented within the 2023 ASR have been corrected for bias using an adjustment factor. Bias represents the overall tendency of the diffusion tubes to under or over-read relative to the reference chemiluminescence analyser. LAQM.TG22 provides guidance with regard to the application of a bias adjustment factor to correct diffusion tube monitoring. Triplicate co-location studies can be used to determine a local bias factor based on the comparison of diffusion tube results with data taken from NO_x/NO_2 continuous analysers. Alternatively, the national database of diffusion tube co-location surveys provides bias factors for the relevant laboratory and preparation method.

Harborough District Council have applied a national bias adjustment factor 0.77 to the 2023 monitoring data. A summary of bias adjustment factors used by Harborough District Council over the past five years is presented in Table C.2.

Table C.2 – Bias Adjustment Factor

Monitoring Year	Local or National	If National, Version of National Spreadsheet	Adjustment Factor
2023	National	03/24	0.77
2022	National	03/23	0.76
2021	National	03/22-	0.78
2020	National	03/21-	0.77
2019	National	03/20	0.75

NO_2 Fall-off with Distance from the Road

Wherever possible, monitoring locations are representative of exposure. However, where this is not possible, the NO_2 concentration at the nearest location relevant for exposure has been estimated using the Diffusion Tube Data Processing Tool/NO_2 fall-off with

distance calculator available on the LAQM Support website. Where appropriate, non-automatic annual mean NO_2 concentrations corrected for distance are presented in Table B.1.

Table C.3 – Non-Automatic NO_2 Fall off With Distance Calculations (concentrations presented in µg/m^3)

Site ID	Distance (m): Monitoring Site to Kerb	Distance (m): Receptor to Kerb	Monitored Concentration (Annualised and Bias Adjusted	Background Concentration	Concentration Predicted at Receptor	Comments
34n	2.3	2.8	37.0	7.8	35.6	

QA/QC of Automatic Monitoring

Please see the following attachments for QA/QC of automatic monitoring data

- Appendix C5a Kibworth A6 Air Quality Data Ratification for 2023 and the LAQM Statistics
- Appendix C5b Kibworth A6 2023
- Appendix C5c AQDM QAQC Procedures

Zephyr Monitoring data QA/QC is handled by the equipment manufacture earthsense. Zephyr data is attached as

- appendix C6

PM_{10} and $PM_{2.5}$ Monitoring Adjustment

The type of PM10/PM2.5 monitor(s) utilised within Harborough District Council do not required the application of a correction factor

Automatic Monitoring Annualisation

All automatic monitoring locations within Harborough District recorded data capture of greater than 75% therefore it was not required to annualise any monitoring data. In addition, any sites with a data capture below 25% do not require annualisation.

NO_2 Fall-off with Distance from the Road

Wherever possible, monitoring locations are representative of exposure. However, where this is not possible, the NO_2 concentration at the nearest location relevant for exposure has been estimated using the NO_2 fall-off with distance calculator available on the LAQM Support website. Where appropriate, automatic annual mean NO_2 concentrations corrected for distance are presented in Table A.3.

No automatic NO_2 monitoring locations within Harborough District required distance correction during 2023.

Appendix D. Map(s) of Monitoring Locations and AQMAs

INSTRUCTIONS

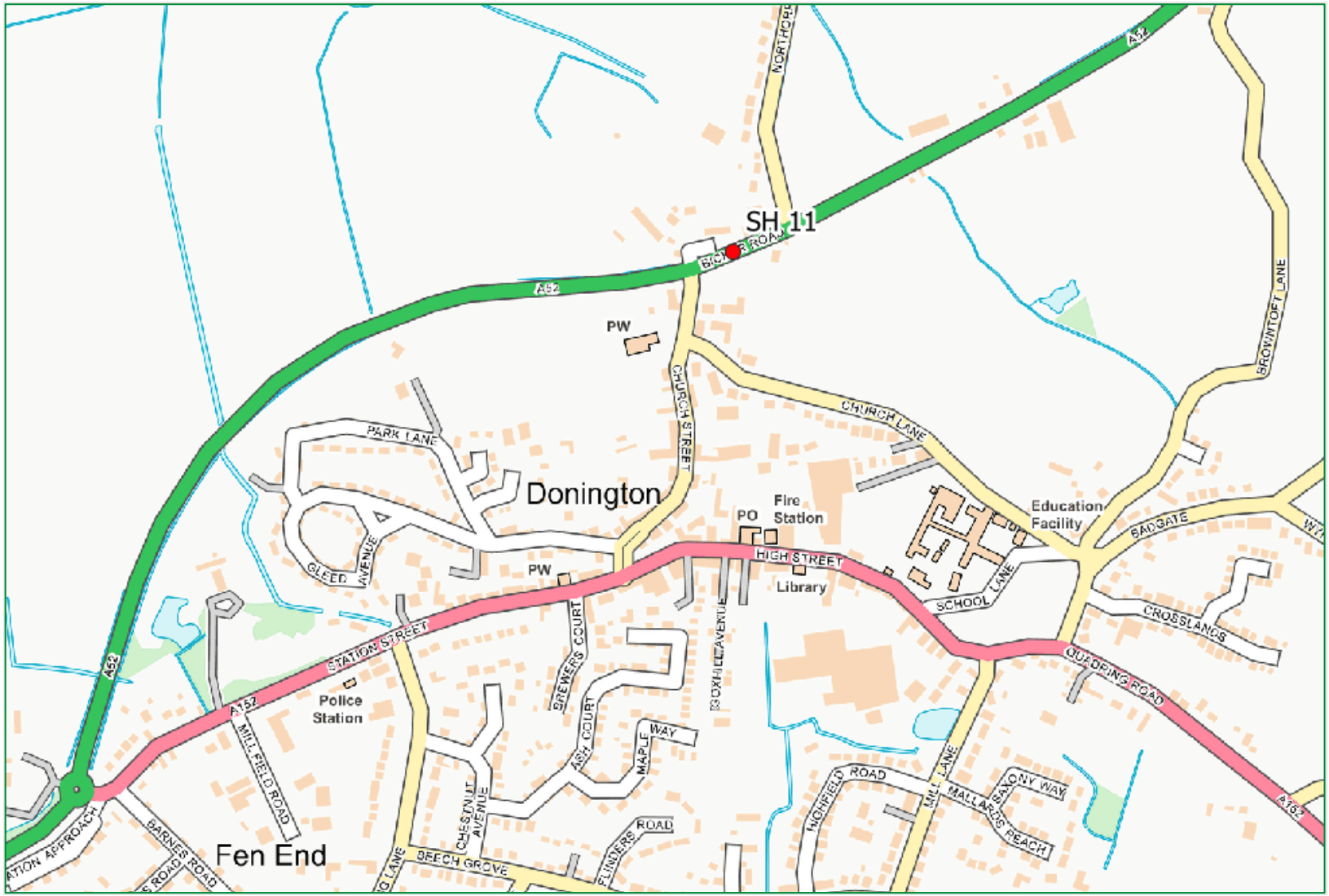
Please include here one or more clear map(s) that show the location of all monitoring sites in relation to any AQMA(s) and, if appropriate, the local authority boundary, ensuring that monitoring positions are clearly labelled using the Site IDs and the mapped coordinates correspond to those presented in **Error! Reference source not found.** and in **Error! Reference source not found.** of Appendix A.

As for all charts within the annual report alt text should be added to comply with accessibility regulations.

Delete this box when the document is finished

Figure D.1 – Map of Non-Automatic Monitoring Site

<Add required maps here. Example map template provided below>


SH 11
A52
A52
A52

Appendix E. Summary of Air Quality Objectives in England

Table E.1 – Air Quality Objectives in England[7]

Pollutant	Air Quality Objective: Concentration	Air Quality Objective: Measured as
Nitrogen Dioxide (NO_2)	200µg/m^3 not to be exceeded more than 18 times a year	1-hour mean
Nitrogen Dioxide (NO_2)	40µg/m^3	Annual mean
Particulate Matter (PM_{10})	50µg/m^3, not to be exceeded more than 35 times a year	24-hour mean
Particulate Matter (PM_{10})	40µg/m^3	Annual mean
Sulphur Dioxide (SO_2)	350µg/m^3, not to be exceeded more than 24 times a year	1-hour mean
Sulphur Dioxide (SO_2)	125µg/m^3, not to be exceeded more than 3 times a year	24-hour mean
Sulphur Dioxide (SO_2)	266µg/m^3, not to be exceeded more than 35 times a year	15-minute mean

[7] The units are in microgrammes of pollutant per cubic metre of air (µg/m^3).

Glossary of Terms

Abbreviation	Description
AQAP	Air Quality Action Plan - A detailed description of measures, outcomes, achievement dates and implementation methods, showing how the local authority intends to achieve air quality limit values'
AQMA	Air Quality Management Area – An area where air pollutant concentrations exceed / are likely to exceed the relevant air quality objectives. AQMAs are declared for specific pollutants and objectives
ASR	Annual Status Report
Defra	Department for Environment, Food and Rural Affairs
DMRB	Design Manual for Roads and Bridges – Air quality screening tool produced by National Highways
EU	European Union
FDMS	Filter Dynamics Measurement System
LAQM	Local Air Quality Management
NO_2	Nitrogen Dioxide
NO_x	Nitrogen Oxides
PM_{10}	Airborne particulate matter with an aerodynamic diameter of 10µm or less
$PM_{2.5}$	Airborne particulate matter with an aerodynamic diameter of 2.5µm or less
QA/QC	Quality Assurance and Quality Control
SO_2	Sulphur Dioxide

References

- Local Air Quality Management Technical Guidance LAQM.TG22. August 2022. Published by Defra in partnership with the Scottish Government, Welsh Assembly Government and Department of the Environment Northern Ireland.
- Local Air Quality Management Policy Guidance LAQM.PG22. August 2022. Published by Defra in partnership with the Scottish Government, Welsh Assembly Government and Department of the Environment Northern Ireland.
- Chemical hazards and poisons report: Issue 28. June 2022. Published by UK Health Security Agency
- Air Quality Strategy – Framework for Local Authority Delivery. August 2023. Published by Defra.

<Add additional references here>

ASR for England - Information Tables Template

This workbook is provided to facilitate completion of the Local Air Quality Management (LAQM) Annual Status Report (ASR) for England.
Each tab provides an Excel template for an equivalent data or information Table within the ASR Word template.
Local authorities are required to fill in the information pertinent to each Table within this spreadsheet, and then copy the completed data rows across into the corresponding Table in the Word template.
Local authorities will subsequently submit this completed Excel file as an "Excel" file when submitting the main ASR document through the Report Submission.
This will help to reduce any errors in processing of data, as well as making the data more accessible to Defra.

The LAQM Portal provides local authorities with a single access point to submit all relevant information regarding LAQM.
There is a mandatory requirement for local authorities to submit their NO_2 diffusion tube data to the LAQM Portal via the DTDES upload facility.
The Diffusion Tube Data Processing Tool has been developed to assist local authorities in processing NO_2 diffusion tube monitoring data. It provides an output table which can be directly uploaded via the DTDES. If not using the new processing tool, a template for manually submitting the data is available from the DTDES.
This submission to the LAQM Portal should be completed once all NO_2 diffusion tube monitoring data for 2022 has been processed.
To avoid duplication of works, there is no requirement to submit electronic copies of tables A.2, A.4 and B.1. This data will be accessible to Defra through the LAQM Portal.
There is still a requirement to submit all other data tables electronically to the LAQM Portal as part of the separate ASR Excel template data return.

Click the hyperlinks below to access the relevant LAQM webpages:
LAQM Portal
Diffusion Tube Data Processing Tool

Key Points:
It is recommended that this Excel template is completed before copying across to the corresponding tables in the ASR Microsoft Word template. This will ensure consistency across the ASR Word template and accompanying Excel data tables - inconsistencies may lead to rejection of the submittal.
Avoid pasting formatted spreadsheet text or data directly over the template drop down menus and formats and 'paste values' only.
Keep source formatting when copying and pasting completed template tables into Microsoft Word.
Ensure the Site IDs and Coordinates provided in Tables A.3 to Table A.9 are consistent with those listed in Table A.1.

Click the hyperlinks below to jump to the tables that require completion within this excel template:

Table 2.1 – Declared Air Quality Management Areas
Table 2.2 – Progress on Measures to Improve Air Quality
Table A.1 – Details of Automatic Monitoring Sites
Table A.3 – Annual Mean NO_2 Monitoring Results: Automatic Monitoring
Table A.5 – 1-Hour Mean NO_2 Monitoring Results
Table A.6 – Annual Mean PM_{10} Monitoring Results
Table A.7 – 24-Hour Mean PM_{10} Monitoring Results
Table A.8 – $PM_{2.5}$ Monitoring Results
Table A.9 – SO_2 Monitoring Results

If you have any queries with regards to either the Excel or Word ASR Templates, please contact the LAQM Helpdesk on 0800 032 7953 or at LAQMHelpdesk@bureauveritas.com

v1.0, March 2024

Instructions for Completion	Please fill in Table 2.1 as per the following: • AQMA Name = Official declared name of AQMA. This should be consistent with how it appears on UK-Air. • Date of Declaration = The date of the original declaration, and of any subsequent amendments. Revoked AQMAs do not require inclusion within Table 2.1, however they may be discussed within Section 2.1. • Pollutants and Air Quality Objectives = The pollutant for which the AQMA is declared, and the objective for that pollutant against which it is declared. **If an AQMA is declared for multiple pollutants and/or objectives, please include details of each pollutant/objective on a new row.** • One Line Description = A brief description of the characteristics and location of the AQMA. • Is air quality within the AQMA influenced by National Highways roads? = Yes/No. This may include emissions from Motorways, Urban Expressways, Dual carriageways, major trunk roads. • Level of Exceedance = Highest pollutant concentration and/or number of exceedances at point of relevant exposure, i.e. following NO2 fall off with distance correction (if applicable). The units presented should be relevant to the AQMA designation, i.e. for an AQMA designated for 1-hour the units should be hours (x hours were concentrations exceeded 200µg/m^3): At Declaration – Monitored/modelled information that led to a declaration. Now – Latest Monitored/modelled information of current situation in AQMA for that pollutant. • Number of Years Compliant with Air Quality Objective = Where relevant, provide details of the number of consecutive years that the relevant Air Quality Objective has been achieved within the AQMA. **If an AQMA is declared for multiple pollutants and/or objectives, please include details for each pollutant/objective on a new row.** As stated in the Technical Guidance LAQM.TG22, the revocation of an AQMA should be considered following three consecutive years of compliance with the relevant objective, as evidenced through monitoring and/or modelling. As such, there should not be any declared AQMAs for which compliance with the relevant objective has been achieved for a consecutive five-year period. • Name of AQAP and Date of Designation = Name/Title of action plan and the date it was published. • Web Link to AQAP = Where relevant, include a link to where the public can attain this plan. Ensure this hyperlink is completed to meet accessibility standards.
Table 2.1 Completed?	**YES**

Table 2.1 – Declared Air Quality Management Areas

AQMA Name	Date of Declaration	Pollutants and Air Quality Objectives	One Line Description	Is air quality in the AQMA influenced by roads controlled by Highways England?	Level of Exceedance: Declaration	Level of Exceedance: Current Year	Number of Years Compliant with Air Quality Objective	Name and Date of AQAP Publication	Web Link to AQAP
Lutterworth	Declared 18/07/2001, Amended 04/04/2011, Amended 16/04/2013	NO2 Annual Mean	An area encompassing dwellings adjacent to Rugby Road, High Street and Market Street.	NO	51		5	Apr-13	http://www.harborough.gov.uk/download/downloads/id/145/lutterworth_air_quality_action_plan.pdf
Kibworth	Declared 28/11/2017	NO2 Annual Mean	Area encompassing dwelling with close proximity to the kerb line along the A6 between the roundabout with Wistow Road south to the junction with Church Road	NO	55		0	Feb-19	http://www.harborough.gov.uk/download/downloads/id/5104/2019_kibworth_air_quality_action_plan.pdf

Instructions for Completion	**IMPORTANT NOTE: To help improve the visibility of local authority action to reduce air pollution, the information provided on the top three measures in Table 2.2 will now be fed through to UK-AIR. Within the black outline, please include <u>three key measures</u> that your local authority would like to raise awareness of amongst local communities. Please ensure each measure title is succinct and meaningful to the public and includes completion dates. Please note the top three measures need to replace the example measures provided in the coloured section of the table.** Please fill in Table 2.2 (Progress on Measures to Improve Air Quality) below to reflect each measure implemented as per the following: • Measure title = Detail the name of the measure • Category = Select the Measure Category from the available options (detailed below) • Classification = Select the Measure Classification from the available options (detailed below) • Year Measure Introduced in AQAP = Input the year the measure was initially developed, select between 2010 - 2023 • Estimated / Actual Completion Date = Input the date by which the measure will be carried out, select between 2015 – 2040. • Organisation(s) Involved = List the organisations that are involved with the delivery of the measure, e.g. Local Authority/County Council/AQ Alliance/Community Group/Private Company • Funding Source = Detail where the funding for the measure is to/has been sourced from • Defra AQ Grant Funding = Has funding from the Defra AQ Grant been secured for the measure, Yes/No • Funding Status = Select from Funded/Not Funded/Partially Funded • Estimated Cost of Measure = Select from < £10k/£10k - £50k/£50k - £100k/£100k - £500k/£500k - £1m/£1m - £10m/ > £10m • Measure Status = Select from Aborted/Planning/Implementation/Completed • Reduction in Pollutant / Emission from Measure = Provide an estimate in terms of concentration or emission reduction that is predicted to occur due to the measure being implemented. This can also relate to the area where the measure is designed to impact upon, e.g. significantly reduce the levels of Heavy Good Vehicles • Key Performance Indicator = Detail how the success of the measure is to be constantly presented and reviewed • Progress to Date = Provide a summary of the progress for implementing the measure • Barriers to Implementation = Provide details of any barriers that have been experienced during the implementation of the measure Drop down menus are provided for a number of the cells, these should not be overtyped. Free text should be added within all over cells.
Table 2.2 Completed?	**YES**

Table 2.2 – Progress on Measures to Improve Air Quality

Measure No.	Measure Title	Category	Classification	Year Measure Introduced	Estimated / Actual Completion Date	Organisations Involved	Funding Source	Defra AQ Grant Funding	Funding Status	Estimated Cost of Measure	Measure Status	Reduction in Pollutant / Emission from Measure	Key Performance Indicator	Progress to Date	Comments / Barriers to Implementation
Lutterworth 1	20mph zone	Traffic Management	Reduction of speed limits, 20mph zones	Apr-18	Apr-18	Harborough District Council, Leicestershire County Council Highways	LA, Funding: Defra AQ grant	NO	Funded		Completed		Determine reduction in traffic emissions	Complete	Lengthy Timescale
													Determine impact on air quality	Complete	
													Determine exact area of the speed reduction (likely required to be larger than AQMA by Highway authority) and costs of implementation and undertake cost benefit analysis	none	First phase successful, second phase compete. LCC Highways require further evidence of likely reduction before they would be willing to consider implementation
Kibworth 1	Impact assessment of local traffic management options.	Transport Planning and Infrastructure	Other	2018	2018	Harborough District Council, Leicestershire County Council Highways	Harborough District Council	NO	Partially Funded		Completed	Cannot be quantified as work is to identify works and the potential benefit	To publish findings		The modelling has been completed and found that implementing the proposed junction improvements will improve air quality within the AQMA by approximately 4 µg.m-3
	1. Detailed traffic surveys.										Completed				
	2. Undertake traffic simulation of proposed junction improvements.										Completed				
	3. Undertake air quality impact assessment of junction improvements.										Completed				
Kibworth 2	Continue consultation between Regulatory Services and Development Management. Establish mechanism for consultation between the two parties to ensure Regulatory Services are consulted on all relevant planning applications and policy documents	Policy Guidance and Development Control	Air Quality Planning and Policy Guidance	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation	Unlikely to provide improvements to air quality but will limit potential negative impacts		ongoing	
Kibworth 3	Provide Guidance and Training to members. Provide guidance and training to the members on assessing air quality impacts and their significance when considering planning applications.	Policy Guidance and Development Control	Air Quality Planning and Policy Guidance	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	Local plan adopted April 2019
Kibworth 4	Ensure air quality policies in Local Plan documents and evidence base. Provide information on air quality to residents in an accessible format.	Policy Guidance and Development Control	Air Quality Planning and Policy Guidance	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	Local plan adopted April 2019
Kibworth 5	Provide information about the AQMA to local residents. Provide information on air quality to residents in an accessible format.	Public Information	Via the Internet	2018		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	
Kibworth 6	Development of local air quality monitoring. Retain monitoring at relevant locations within and adjacent to the AQMA and to install real time monitoring within the AQMA.	Public Information	Via the Internet	2017		Harborough District Council,	Harborough District Council,	NO	Funded		Implementation			ongoing	

Instructions for Completion	Please fill in Table A.1 with the details of any Automatic Monitoring sites being reported on. **Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.** Site Types should be filled in as per the drop down menus and TG16. Please ensure that results are correctly labelled so that it is possible to link monitoring positions relative to each AQMA in clearly labelled maps in Appendix E. Where a monitoring site is located within an AQMA, please also state the relevant AQMA. (1) 0m if the monitoring site is at a location of exposure (e.g. installed on the façade of a residential property). (2) N/A if not applicable.

Table A.1 Completed? **YES/NO**

Table A.1 – Details of Automatic Monitoring Sites

Site ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Monitoring Technique	Distance to Relevant Exposure (m) (1)	Distance to kerb of nearest road (m) (2)	Inlet Height (m)
A1	Kibworth	Roadside	468114	294353	NO2	yes Kibworth	chemiluminesence	9	2.5	1.8
Z2	Kibworth	Roadside	468309	294352	NO2 PM2.5 PM10	yes Kibworth	Zephyr	0	1.4	2.5
Z3	North Kilworth	Rural	461675	283303	NO2 PM2.5 PM10	No	Zephyr			2

Instructions for Completion	All diffusion tube data should be submitted to the LAQM Portal via the Diffusion Tube Data Entry System (DTDES), therefore Table A.2 should only be completed within the ASR word document. An Excel version of Table A.2 is not required to be submitted. The tab Table A.2 from the Diffusion Tube Data Processing Tool aligns with the diffusion tube data reporting requirements of Table A.2; therefore the data can be easily copied from here to the ASR word document. **LAQM Portal** **Diffusion Tube Data Processing Tool**

Instructions for Completion

Please fill in Table A.3 with details of annual mean NO_2 concentrations from automatic monitoring sites over the last five years.
Reported concentrations should be those at the location of the monitoring site (annualised, as required), i.e. prior to any fall-off with distance adjustment.
Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.
Exceedances of the NO_2 annual mean objective of 40µg/m^3 are shown in **bold**.
All means have been "annualised" as per LAQM.TG16 if valid data capture for the full calendar year is less than 75%.
Concentrations are those at the location of monitoring and not those following any fall-off with distance adjustment.
(1) data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
(2) data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Please ensure you fill in the check boxes in the Word document template to confirm you have processed your data correctly.

Table A.3 Completed? **YES**

Table A.3 – Annual Mean NO_2 Monitoring Results: Automatic Monitoring (µg/m^3)

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
A1	468114	294353	Roadside	99.9	99.9	**43.97**	30.64	32.22	31	29
Z2	468309	294352	Roadside	99.2	99.2		34.47	35.01	17.5	16.1
Z3	461675	283303	Rural	95.7	95.7				4.2	3.23

Instructions for Completion	All diffusion tube data should be submitted to the LAQM Portal via the Diffusion Tube Data Entry System (DTDES), therefore Table A.4 should only be completed within the ASR word document. An Excel version of Table A.4 is not required to be submitted. The tab Table A.4 from the Diffusion Tube Data Processing Tool aligns with the diffusion tube data reporting requirements of Table A.4; therefore the data can be easily copied from here to the ASR word document. **LAQM Portal** **Diffusion Tube Data Processing Tool**

Instructions for Completion	Please fill in Table A.5 with details of 1-hour mean NO_2 monitoring results for the last five years. **Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.** Exceedances of the NO_2 1-hour mean objective (200µg/m^3 not to be exceeded more than 18 times/year) are shown in **bold**. If the period of valid data is less than 85%, the 99.8th percentile of 1-hour means should be provided in brackets. (1) data capture for the monitoring period, in cases where monitoring was only carried out for part of the year. (2) data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Table A.5 Completed? **YES**

Table A.5 – 1-Hour Mean NO_2 Monitoring Results: Number of 1-Hour Means > 200µg/m^3

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
A1	468114	294353	Roadside	99.9	99.9	0	0	0	0	0
Z2	468309	294352	Roadside	99.2	99.2		**3 (153)**	0	0	0
Z3	461675	283303	Rural	95.7	95.7				0	0

Instructions for Completion

Please fill in Table A.6 with details of annual mean PM_{10} concentrations monitored in the last five years.
Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.
Exceedances of the PM_{10} annual mean objective of 40µg/m^3 are shown in **bold**.
All means have been "annualised" as per LAQM.TG16 if valid data capture for the full calendar year is less than 75%.

(1) data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
(2) data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Please ensure you fill in the check boxes in the Word document template to confirm you have processed your data correctly.

Table A.6 Completed? **YES**

Table A.6 – Annual Mean PM_{10} Monitoring Results (µg/m^3)

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
Z2	468309	294352	Roadside	99.03	99.03		**16.2**	**9.18**	**12.4**	**11.36**
Z3	461675	283303	Rural	95.65	95.65				11.7	10.26

Instructions for Completion

Please fill in Table A.7 with details of 24-Hour Mean PM_{10} monitoring results in the last five years.
Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.
Exceedances of the PM_{10} 24-hour mean objective (50µg/m^3 not to be exceeded more than 35 times/year) are shown in **bold**.
If the period of valid data is less than 85%, the 90.4th percentile of 24-hour means is provided in brackets.

(1) data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
(2) data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Table A.7 Completed? **YES**

Table A.7 – 24-Hour Mean PM_{10} Monitoring Results: Number of 24-Hour Means > 50µg/m^3

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
Z2	468309	294352	Roadside	99.03	99.03		**0 (20.63)**	0	**0 (20.5)**	0
Z3	461675	283303	Rural	95.65	95.65				**0 (23.2)**	0

Instructions for Completion

Please Fill in Table A.8 with details of any annual mean $PM_{2.5}$ monitoring conducted in the last five years.
Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.
All means have been "annualised" as per TG16, valid data capture for the full calendar year is less than 75%.

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Please ensure you fill in the check boxes in the Word document template to confirm you have processed your data correctly.

Table A.8 Completed? **YES**

Table A.8 – $PM_{2.5}$ Monitoring Results ($\mu g/m^3$)

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	2019	2020	2021	2022	2023
Z2	468309	294352	Roadside	99.03	99.03		9.21	6.82	11.5	10.36
Z3	461675	283303	Rural	95.65	95.65				10.07	9.35

Instructions for Completion

Please Fill in Table A.9 with details of any SO_2 monitoring conducted.
Please provide coordinates in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.
Exceedances of the SO_2 objectives are shown in **bold** (15-min mean = 35 allowed a year, 1-hour mean = 24 allowed a year, 24-hour mean = 3 allowed a year).
If the period of valid data is less than 85%, the relevant percentiles are provided in brackets (i.e. 99.9th percentile for 15-minute, 99.7th percentile for 1-hour, 99.2nd percentile for 24-hour).

(1) Data capture for the monitoring period, in cases where monitoring was only carried out for part of the year.
(2) Data capture for the full calendar year (e.g. if monitoring was carried out for 6 months, the maximum data capture for the full calendar year is 50%).

Table A.9 Completed? **NO**

Reason for Omission: **Add explanation here, e.g. <LA> does not undertake any monitoring.**

Table A.9 – SO_2 Monitoring Results

Site ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%) (1)	Valid Data Capture 2023 (%) (2)	Number of 15-minute Means > 266µg/m^3	Number of 1-hour Means > 350µg/m^3	Number of 24-hour Means > 125µg/m^3

Instructions for Completion	All diffusion tube data should be submitted to the LAQM Portal via the Diffusion Tube Data Entry System (DTDES), therefore Table B.1 should only be completed within the ASR word document. An Excel version of Table B.1 is not required to be submitted. The tab Annual Results Summary from the Diffusion Tube Data Processing Tool aligns with the diffusion tube data reporting requirements of Table B.1; therefore the data can be easily copied from here to the ASR word document. **LAQM Portal** **Diffusion Tube Data Processing Tool**

Air Quality Monitoring Report:

Domestic Solid-Fuel Burning Grant Funded Project

December 2023



Experts in air quality management & assessment

Document Control

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1 Introduction

1.1 Poor air quality is one of the greatest environmental risks to public health in the UK. Long term exposure to air pollution can cause chronic conditions such as cardiovascular and respiratory diseases as well as lung cancer, leading to reduced life expectancy. Short term exposure (over hours or days) to elevated levels of air pollution can also cause a range of health effects related to lung function, exacerbation of asthma, increases in respiratory and cardiovascular hospital admissions, and mortality. There are a number of other emerging links for air pollution and health, including dementia, a variety of mental health conditions, and adverse pregnancy outcomes.

1.2 This report provides the results and analysis of a 12-month $PM_{2.5}$ monitoring programme carried out at three sites in the administrative areas covered by North West Leicestershire (NWL) and Harborough District Council's, as part of a Defra grant funded project investigating domestic solid fuel burning. The key objective of the project was to reduce $PM_{2.5}$ emissions by increasing awareness of, and changing attitudes to, solid fuel burning, resulting in behaviour change. Changes could include a reduction in burning or use of fuels which have lower emissions (for example, dry wood has lower emissions than unseasoned wood). To support the project, 12-months of air quality monitoring was undertaken at three sites which were thought to represent areas with high levels of domestic solid fuel burning, in order to provide a better understanding of current concentrations, how they vary and how they relate to overall $PM_{2.5}$ emissions within the NWL and Harborough areas. AQC has been commissioned by NWL and Harborough District Council's to collate the data and provide an interpretation of the outcomes of the monitoring study.

1.3 The three sites were selected in off gas areas where there is old housing stock, using local knowledge, to best represent areas of high levels of solid fuel burning. Monitoring at the three sites was undertaken using Zephyr monitors (provided by Earthsense[1]). This report provides the results and analysis of the 12-month monitoring programme (15th September 2022 to 30th September 2023), at the three sites, to determine both the concentrations at the sites, and if measured $PM_{2.5}$ concentrations in the vicinity of each site show any influence of solid-fuel wood burning. Analysis has been undertaken based on standard statistics for comparison with air quality objectives and targets and 'openair' (Carslaw D. R., 2012) software[2] to derive a range of graphical plots. Comparison has also been made between the Zephyr data and results from nearby urban background sites within Defra's Automatic Urban and Rural Network (AURN) (Defra, 2023a).

[1] https://www.earthsense.co.uk/zephyr

2 'openair' is an R package (which is a programming language for statistical computing and graphics) developed for the purpose of analysing air quality data.

2 Context

2.1 Emissions from solid fuel burning will mainly impact on concentrations of Particulate Matter (PM), which is the term for particles found in the air, including dust, dirt, soot, smoke, and liquid droplets. PM has many different sources, both natural and anthropogenic, including solid fuel burning. In terms of the health effects, exposure to $PM_{2.5}$ (PM less than 2.5 micrometres in diameter) is the most important, although other pollutants all add to the burden of disease, to a greater or lesser extent. Current evidence suggests that there is no safe threshold for exposure to $PM_{2.5}$. For this reason, the analysis will focus on $PM_{2.5}$.

2.2 Wood burning stoves and coal fires are a major contributor nationally to emissions of particulate matter, and the Government is taking steps to tackle these emissions, largely through the Domestic Solid Fuel Regulations which have phased out sales of bagged coal and wet wood, two of the most polluting fuels. Accompanying information campaigns such as 'Burn Better' encourages solid fuel users to make positive changes to their burning habits.

Air Quality Objectives and Targets

2.3 The Government has established a set of air quality standards and objectives to protect human health. The 'standards' are set as concentrations below which effects are unlikely even in sensitive population groups, or below which risks to public health would be exceedingly small. They are based purely upon the scientific and medical evidence of the effects of an individual pollutant. The 'objectives' set out the extent to which the Government expects the standards to be achieved by a certain date. They take account of economic efficiency, practicability, technical feasibility and timescale. There is no current air quality objective in regulations for $PM_{2.5}$ for local authorities to meet, and in the absence of a numerical objective, it is convention to assess local air quality against the limit value, originally set at 25 $\mu g/m^3$ and currently set at 20 $\mu g/m^3$.

2.4 Resulting from the Environment Act (2021), which gives the Government the power to set long-term, legally binding environmental targets, Defra has set two targets, and two interim targets, for $PM_{2.5}$ concentrations in England. One set of targets focuses on absolute concentrations. The long-term target is to achieve an annual mean $PM_{2.5}$ concentration of 10 $\mu g/m^3$ by the end of 2040, with the interim target being a value of 12 $\mu g/m^3$ by the start of 2028. The second set of targets relate to reducing overall population exposure to $PM_{2.5}$. By the end of 2040, overall population exposure to $PM_{2.5}$ should be reduced by 35% compared with 2018 levels, with the interim target being a reduction of 22% by the start of 2028. Local authorities have an important role delivering the required improvements, which are expected to focus on controlling emissions.

2.5 The air quality criteria relevant for this monitoring report are provided in Table 1.

Table 1: Air Quality Objectives for PM_{10} and Target for $PM_{2.5}$

Pollutant	Time Period	Value
PM_{10}	24-hour Mean	50 µg/m^3 not to be exceeded more than 35 times a year
	Annual Mean	40 µg/m^3
$PM_{2.5}$	Annual Mean	20 µg/m^3 [a]
		12 µg/m^3 (to be achieved by 2028)
		10 µg/m^3 (to be achieved by 2040)

[a] There is no numerical $PM_{2.5}$ objective for local authorities (see Paragraph 2.3). Convention is to assess against the UK limit value which is currently 20 µg/m^3.

Sources and Variation in $PM_{2.5}$

2.6 $PM_{2.5}$ concentrations vary across the year. For example, a peak in early spring is typical for $PM_{2.5}$, as elevated concentrations of nitrates (a pre-curser to $PM_{2.5}$) are transported from agricultural operations across continental Europe (Air Quality Expert Group, 2012). Domestic combustion of wood and coal in stoves and open fires is a large contributor to emissions of $PM_{2.5}$ and is a contributing factor towards elevated concentrations in winter months. There are, however, also meteorological reasons why $PM_{2.5}$ may be higher in colder months. $PM_{2.5}$ includes volatile components which exist as gases when warm, only forming $PM_{2.5}$ when it turns cold. Colder air is also denser than warmer air and when the temperature drops, cold air can form a barrier to the dispersion of pollutants (Defra, 2023b). Hence comparisons with temperature may not be solely attributable to peaks in solid fuel burning.

2.7 It should be noted that there are a large number of emission sources for particulate matter, and there may be other sources which contribute to changing concentrations. There can be considerable contribution from sources originating outside of the UK. The level of transboundary derived particulates is determined by wider-scale emissions and weather conditions.

3 Monitoring Locations and Technology

Monitoring Locations

3.1 Monitoring was undertaken at three locations within the study area, the locations are listed below and shown in Figures 1a and 1b:

- Z1141 – Donisthorpe
- Z1142 – Oakthorpe
- Z1083 – North Kilworth

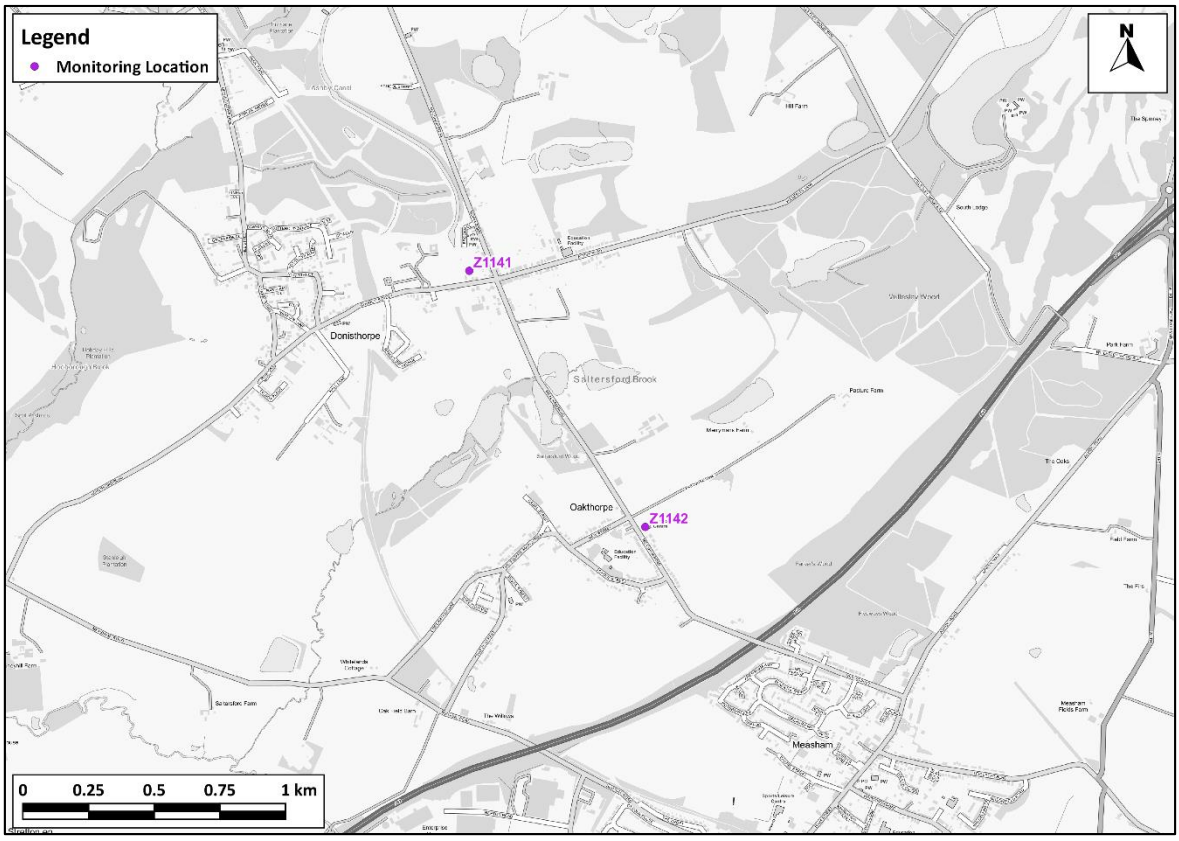

Figure 1a: Location of Z1141 (Donisthorpe) and Z1142 (Oakthorpe)

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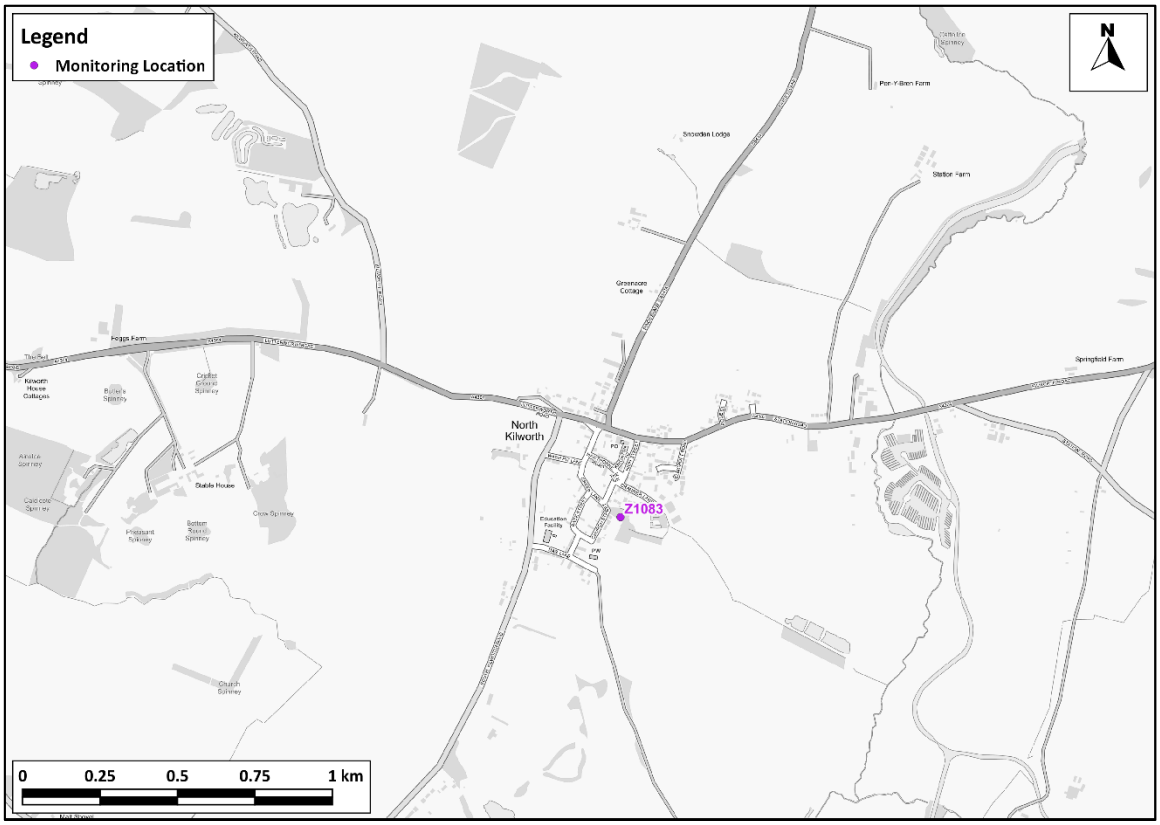

Figure 2b: Location of Z1083 (North Kilworth)

Imagery ©2023 Getmapping plc, Infoterra Ltd & Bluesky, Maxar Technologies, The GeoInformation Group.

3.2 The locations of all three monitors are also shown in Figure 2; to contextualise the overall geographic location of the monitors within the districts.

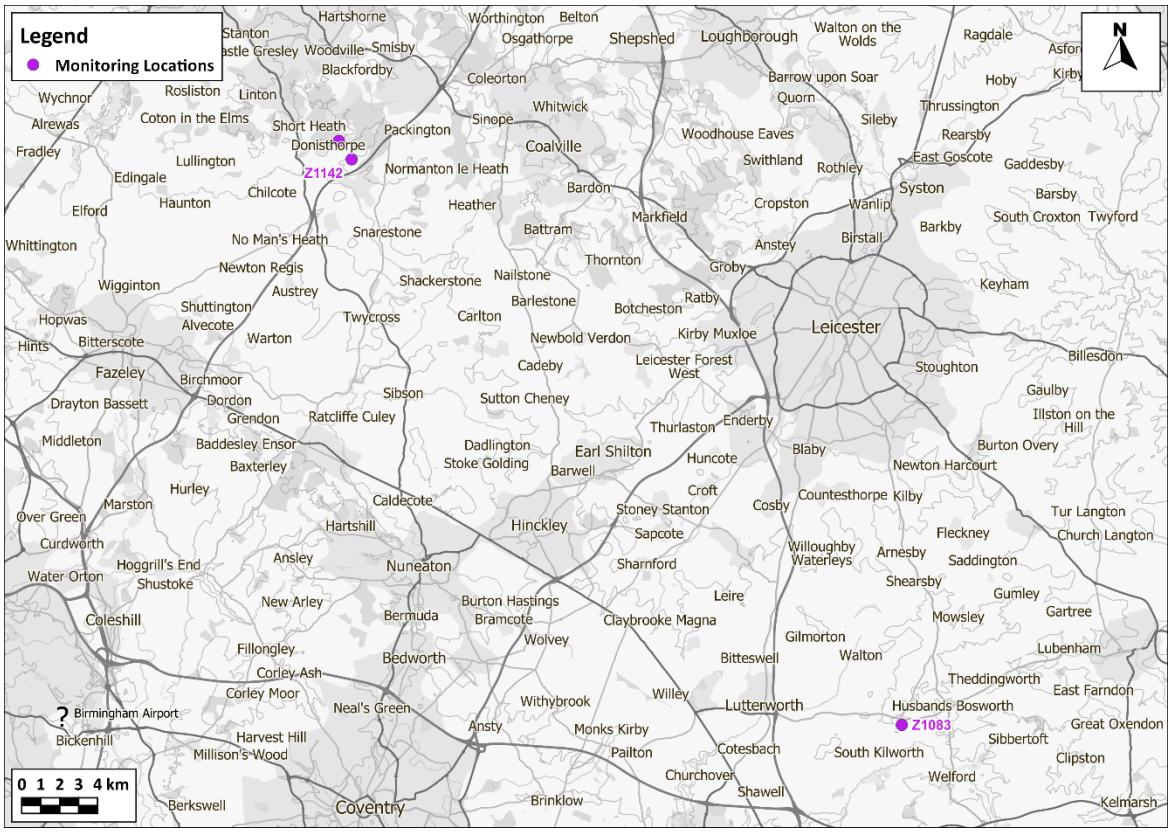

Figure 2: Location of Z1141 (Donisthorpe), Z1142 (Oakthorpe) and Z1083 (North Kilworth)

Imagery ©2023 Getmapping plc, Infoterra Ltd & Bluesky, Maxar Technologies, The GeoInformation Group.

Monitoring Equipment

3.3 Particulate matter (PM_{10} and $PM_{2.5}$) monitoring was undertaken using Zephyr analysers, which use sensors to measure various parameters, which include $PM_{2.5}$ (µg/m^3), PM_{10} (µg/m^3) and temperature (°C). Measurements were carried out at the three sites for a 12-month period, between 15th September 2022 to 30th September 2023. Although PM_{10} is included in the statistics for comparison with relevant objectives and targets, this report discusses $PM_{2.5}$, which is the focus of the project, has the greatest health effects and is of increasing concern to government, local authorities and the public (see Section 2).

3.4 Zephyrs are not considered to be 'reference equivalent'[3], but have been approved as compliant with the Monitoring Certification Scheme - MCERTS performance standards - as an indicative ambient particulate monitor[4]. The uncertainties and limitations to the use of sensors for monitoring pollutant concentrations are outlined in Section 4.

[3] The definition of 'reference equivalent' refers to a monitoring method that meets a certain standard to ensure accuracy and precision of results – in the UK, monitors that operate within Defra's AURN (Defra, 2023a), are considered to be reference equivalent.

[4] https://www.earthsense.co.uk/post/zephyr-meets-indicative-mcerts

Quality Assurance

3.5 The analysers are calibrated for performance and operation annually, outside of this no quality checks on data check are carried out. By way of validation of the data being recorded, data were downloaded from each monitor periodically ensure the values being recorded were within the expected range and broadly fitted expected patterns.

4 Monitoring Analysis Methodology

4.1 Statistical analysis has been undertaken on the measured pollutant concentrations for the three Zephyrs, for comparison with the air quality criteria outlined in Table 1.

4.2 Further analysis has subsequently been undertaken on the measured concentrations, using 'openair' software, to determine if the monitoring shows any influence of nearby solid fuel burning. As part of this analysis, the results of monitoring (for the same period of time as the Zephyrs) undertaken at three nearby urban background (UB) sites (Leicester University, Northampton Spring Park and Burton-on-Trent Horninglow[5]), operating within the AURN have also been considered – the expectation being that as they are 'background' sites, they would not be influenced by specific pollutant sources, such as nearby domestic solid fuel burning.

4.3 The following plots have been produced:

- Time plots – designed to plot a chronological time series of data, such as pollutant concentration or temperature;
- Time variation plots – this function produces four plots: day-of-the week variation, mean hour-of-day variation and a combined hour-of-day to day-of-week plot and a monthly plot; and
- Polar plots[6] – a bivariate plot of concentrations, varying by wind speed and wind direction.

Uncertainty

4.4 All methods of air quality monitoring have inherent uncertainties. The use of sensors may have additional uncertainties because the analytical chemistry method is more uncertain than reference methods. For example, many sensors are sensitive to changes in atmospheric humidity and temperature, or can give false signals if other air pollutants are present in high concentrations. Additionally, Zephyrs have no form of on-going quality control or calibration applied to them once in the field, unlike reference measurements (Defra, 2023c).

4.5 The Zephyr monitors measured concentrations for one year between 15th September 2022 and 30th September 2023, thus any conclusions drawn based on seasonality should be treated with caution.

4.6 Where data have been extracted for specific dates, times and temperatures to determine whether there is a correlation between measured concentrations and weather conditions, these have been based on judgement about when solid fuel burning is likely to be most prevalent.

5 The Leicester and Burton monitors are FIDAS; the Burton monitor is a BAM (heated) – where applicable, all used measured concentrations used has been corrected to be 'reference equivalent'

6 Modelled meteorological data (wind speed and direction) derived from the WRF (Weather Research and Forecasting Model) have been downloaded for the Leicester University AURN monitor (LECU), as it is deemed the most representative nearby AURN monitoring site.

4.7 The meteorological data used to create the polar plots shown in Appendix A2 are derived using openair[Error! Bookmark not defined.] and are not site-specific to the monitoring locations. As such, definite conclusions cannot be drawn by comparing the measured $PM_{2.5}$ concentrations and wind direction/wind speed, and the meteorological data can only be used to indicate a potential source of $PM_{2.5}$ emissions.

4.8 Significant care is needed when comparing $PM_{2.5}$ measurements made using different monitoring equipment, particularly when comparing analysers such as the Zephyrs with those within the AURN. The analysis is also limited, to some extent, by the interpretation of data from a single monitoring site within each of the villages.

5 Results and Analysis

Simple Statistics

5.1 The particulate matter (PM_{10} and $PM_{2.5}$) concentrations for the three Zephyrs are summarised in Table 2. Data capture was good across the three sites (89.6 – 96.4%) over the monitoring period. The recorded annual mean PM_{10} and $PM_{2.5}$ concentrations were well below the objective and limit value of 40 µg/m^3 and 20 µg/m^3, respectively. The recorded annual mean $PM_{2.5}$ concentration is marginally above the interim target for 2028 (12 µg/m^3) at Z1141. There was only one measured exceedance of the 24-hour mean objective level of 50 µg/m^3 across the three sites, in Donisthorpe (Z1141), compared with the 35 exceedances allowed in a year; at the other sites there were no 24-hour periods measuring more than 50 µg/m^3. The 90th percentile of daily mean concentrations were also well below 50 µg/m^3, at all sites.

Table 2: Particulate Matter Data Summary for Z1141, Z1142 and Z1083, September 2022 to September 2023

Pollutant	Metric	Z1141 (Donisthorpe)	Z1142 (Oakthorpe)	Z1083 (North Kilworth)	Objectives
PM_{10}	Maximum 24-hour Mean	212.6 µg/m^3	41.2 µg/m^3	36.7 µg/m^3	-
	No. 24-Hour Means >50 µg/m^3	1	0	0	50 µg/m^3; no more than 35 exceedances
	90th Percentile	25.4 µg/m^3	25.3 µg/m^3	21.7 µg/m^3	50 µg/m^3
	Period Mean (12months)	13.7 µg/m^3	12.0 µg/m^3	13.7 µg/m^3	40 µg/m^3
$PM_{2.5}$	Period Mean (12months)	12.4 µg/m^3	11.0 µg/m^3	9.9 µg/m^3	20 µg/m^3
	Data Capture	89.6%	96.4%	95.9%	-

‘openair’ Analysis

5.2 Figures showing the local Zephyr measurements, as well as measurements from the AURN sites, and an analysis of results are set out in Appendix A2. The data have been examined specifically to find any signal that solid fuel burning is taking place in the vicinity, and comments are included to that effect within Appendix A2. Evidence of the effects of Solid Fuel Burning are not clear cut, for a number of reasons, which are set out in paragraphs 2.6 and 2.7 and in Appendix A2.

6 Conclusions

6.1 A 12-month PM_{10} and $PM_{2.5}$ monitoring programme was carried out in three villages (Donisthorpe, Oakthorpe and North Kilworth) in NWL and Harborough. The monitoring was funded through a grant funded project awarded to NWL and Harborough District Councils, to support work to increase public awareness of the air quality impacts of solid-fuel burning. This report provides an overview of the monitoring results, to try to identify any quantified evidence of domestic solid fuel burning in the three villages.

6.2 Measured concentrations are below national air quality objectives/targets at the three monitoring sites during the 12-month monitoring period, other than at Donisthorpe which is marginally over the target value for 2028.

6.3 Detailed statistical analysis of the monitoring results, using 'openair' software included in Appendix A2, has not identified any clear influences from solid fuel burning in the vicinity of the any of the monitors. The plots produced seem to show periods of higher concentrations, at times, during colder temperatures, during the evening and over the weekend, which could be interpreted as times when residents are more likely to be burning solid fuel, however, as noted in Section 2, variations in $PM_{2.5}$ can occur for multiple reasons, due to source, meteorology, chemistry or measurement method; in the absence of a clear signal from the monitoring data and its subsequent analysis, it is concluded that data are not clear enough to draw a conclusion as to what is driving these elevated concentrations.

7 References

Air Quality Expert Group. (2012). *Fine Particulate Matter (PM2.5) in the United Kingdom.*

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Environment Act 2021. (2021).

8 Appendices

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A1 Summary of AURN Results

A1.1 Particulate matter (PM_{10} and $PM_{2.5}$) concentrations, for three urban background sites within the AURN network, within 50 miles of the Zephyr sites, for the same period of monitoring (September 2022 to September 2023) are summarised in Table A1.1. Measured concentrations (across parameters) at all of the Zephyrs were higher than the AURN background concentrations.

Table A1.1: PM_{10} Data Summary of Background Monitoring Sites, 2022

Pollutant	Statistic	Leicester University	Northampton Spring Park[a]	Burton on Trent Horninglow
PM_{10}	Maximum 24-hr mean (µg/m³)	47.5	n/a	45.6
	No. 24-hr mean >50 µg/m³	0	n/a	0
	90th Percentile	19.7	n/a	19.5
	Period Mean (µg/m³)	11.7	n/a	12.1
$PM_{2.5}$	Period Mean (µg/m³)	7.3	7.6	7.5
	Data Capture (%)	98.0	89.0	56.4

[a] This site does not measure PM_{10}.

A2 'openair' Plots

Donisthorpe (Z1141)

Time Plots

A2.1 Figure A2.1 shows a time series plot of daily mean $PM_{2.5}$ concentrations at site Z1141. It also shows the daily mean $PM_{2.5}$ averaged across each of the AURN sites and the daily average recorded temperature. A visual examination of the data shows that the Zephyr and AURN average follow broadly similar patterns and that, where there are differences between the two; these differences appear on visual inspection to be smaller than the shared range in the two sets of concentrations. The highest concentrations at both types of sites appear to broadly coincide with the lowest air temperatures, with the data also showing some elevated concentrations in spring and late summer. It is difficult to say whether the higher concentrations which coincide with lower temperatures are caused by solid fuel burning, for the reasons set out in paragraphs 2.6 and 2.7.

Time Variation Plots

A2.2 Figure A2.2 shows measured data according to day-of-the-week, month-of-the-year and time-of-the-day, across the monitoring period; the plot indicates elevated concentrations in the evening time, in particular during September to December 2022 and on a Sunday in general.

A2.3 Figure A2.3, which shows measured data according to temperature[12], indicates elevated concentrations during times when temperatures are below 10°C and in the evening time in general. This is a common observation which often correlates with the condensing of ammonium nitrate. The increase in Sunday concentrations appears to be caused at times where the temperature is over 10 degrees and hence is unlikely to be as a result of solid fuel burning.

Polar plots

A2.4 Figure A2.4 shows the measured concentrations as a function of wind direction and wind speed. The colour shows the measured concentration, the direction from the centre of the plot (where the horizontal and vertical black lines cross) shows the wind direction, and the distance from the centre shows the wind speed when that concentration was measured. It is often the case that sources which are some distance away, or released from tall chimneys, are associated with higher wind speeds, which bring plumes back to ground. Nearby sources which emit close to ground are often associated with slower wind speeds, which could indicate an influence from domestic solid fuel burning, but there can also be many other reasons for higher concentrations when wind speeds are low and hence it is difficult to attribute it to a specific source with any certainty.

A2.5 Figure A2.4a, which shows measured data during cold winter nights[7], shows the highest concentrations occurred during the lowest wind speeds (centre of the plot), and from all wind directions. The all-other time plot (Figure A2.4b) shows the highest concentrations occurred at slow wind speeds, with higher concentrations also when winds were from the east and southeast. Higher concentrations tend to be associated with stronger winds from the south and northeast when the temperature was cold, and from the east and southeast when it was warmer.

[7] 'Cold winter nights' are defined in this study as any temperature <10°C, 6 pm to midnight, between 1st November 2022 to 1st March 2023.



Figure A2.1: Time series plot of daily mean $PM_{2.5}$ concentrations (µg/m^3) at Z1141 (blue), average AURN $PM_{2.5}$ concentrations (µg/m^3) (red) and temperature (at Zephyr) (°C) (green), September 2022 to September 2023

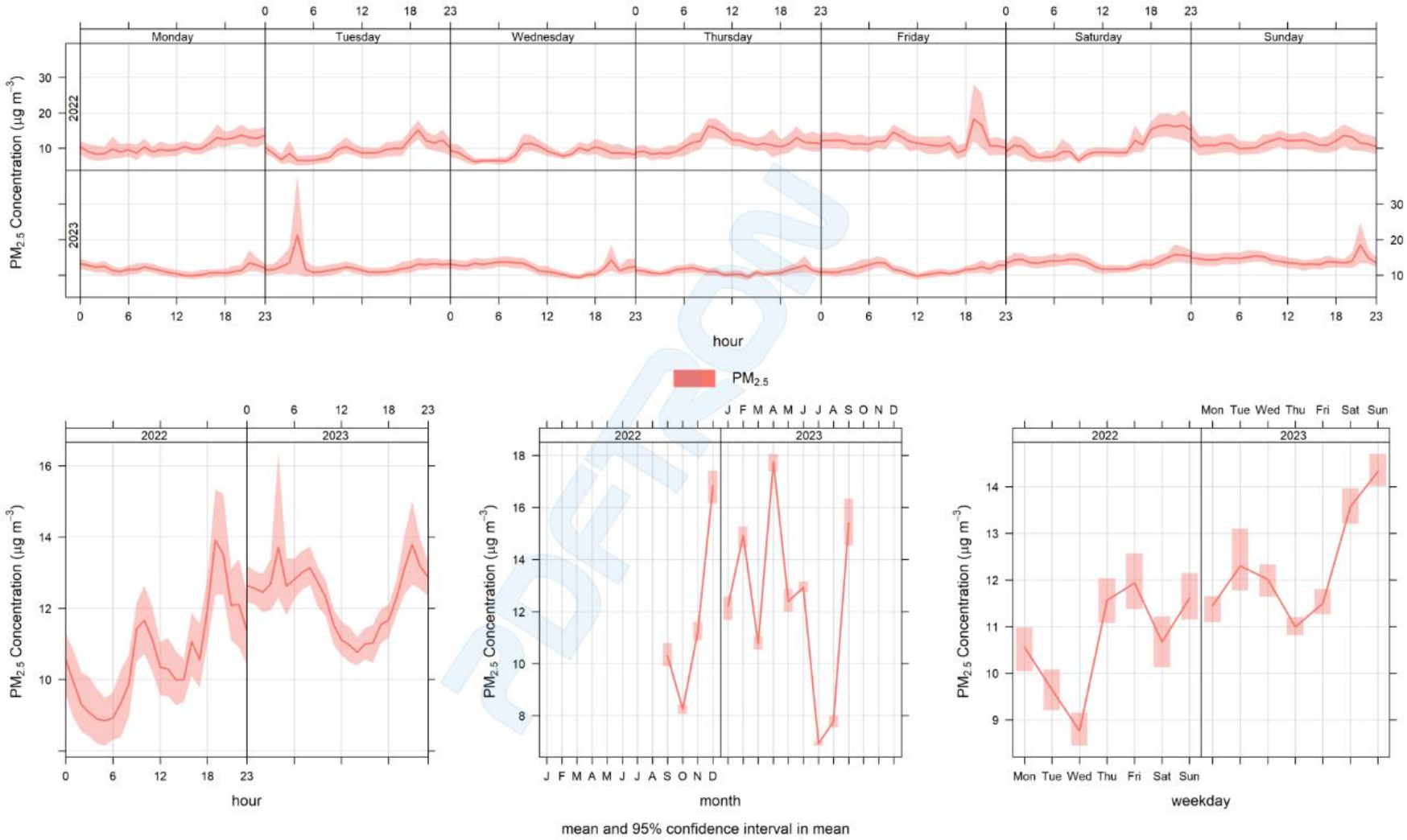

Figure A2.2: Time variation plot of measured $PM_{2.5}$ concentrations (µg/m^3) at Z1141, September 2022 to September 2023

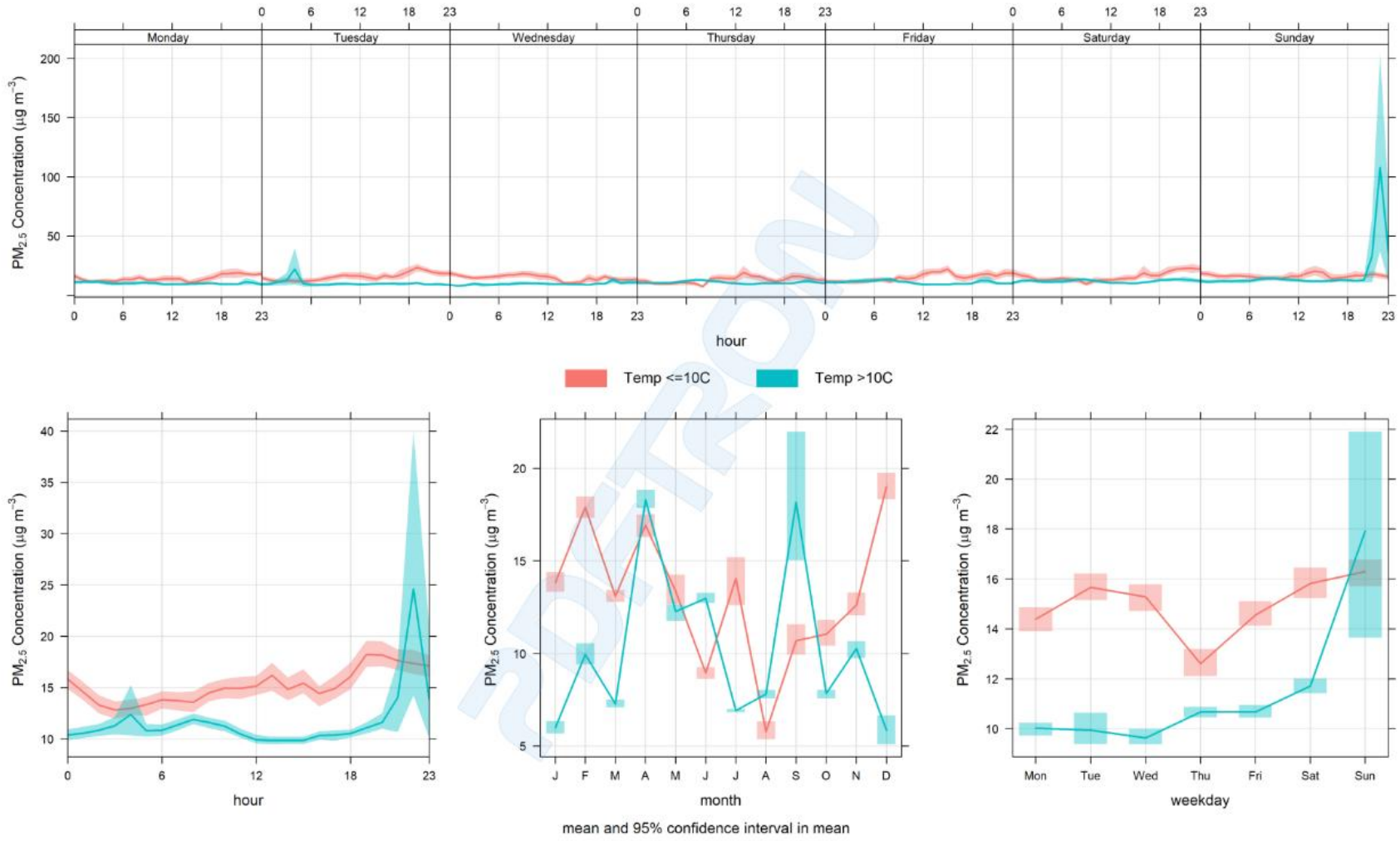

Figure A2.3: Time variation plot of measured $PM_{2.5}$ concentrations (µg/m^3) at Z1141, September 2022 to September 2023, with concentrations separated according to whether the ambient temperature was greater, or less than, 10°C

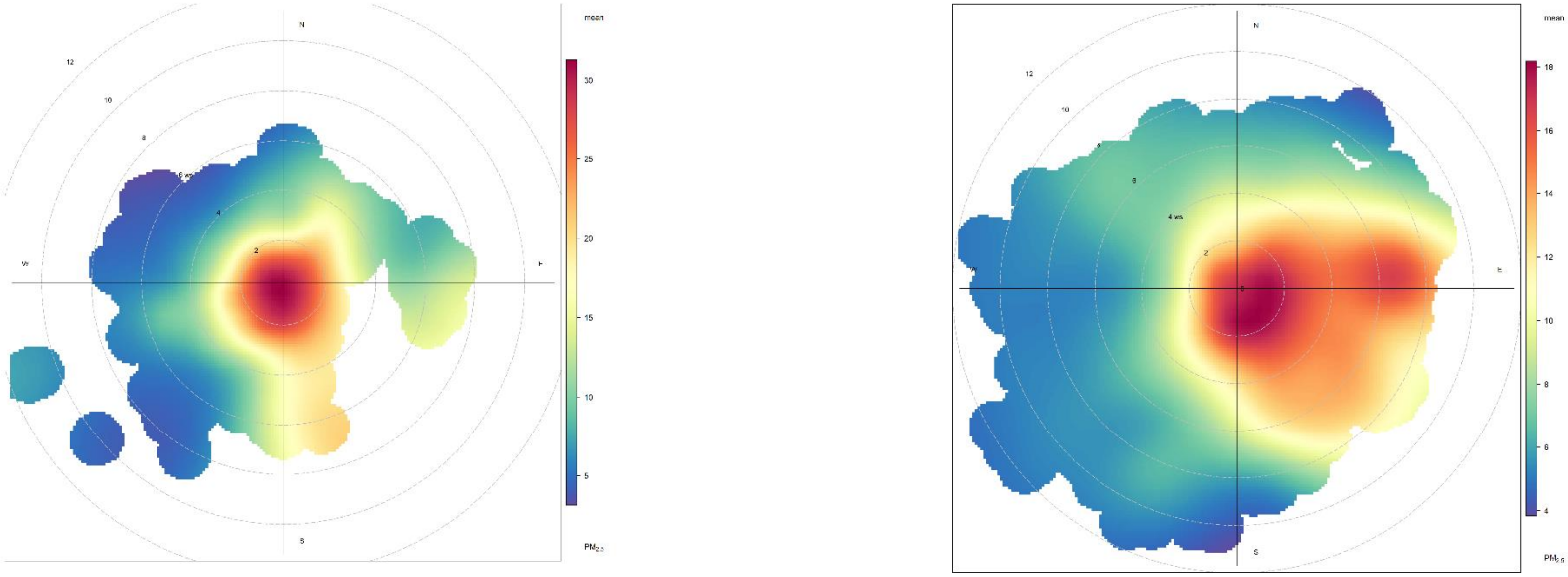

Figure A2.4: Bivariate Pollution Roses at Z1141, September 2022 to September 2023, accounting for 'cold winter nights'[8] (a - left) and rest of the period (b - right), $PM_{2.5}$ (µg/m^3)

[8] 'Cold winter nights' are defined in this study as any temperature <10°C, 6 pm to midnight, between 1st November 2022 to 1st March 2023.

Oakthorpe (Z1142)

Time Plots

A2.6 Figure A2.5 shows a similar pattern over time at Z1142 and the AURN sites. A visual examination of the data shows that the Zephyr and AURN average follow broadly similar patterns and that, where there are differences between the two; these differences appear on visual inspection to be smaller than the shared range in the two sets of concentrations. The highest concentrations at both types of sites appear to broadly coincide with the lowest air temperatures, with the data also showing some elevated concentrations in spring and late summer. It is difficult to say whether the higher concentrations which coincide with lower temperatures are caused by solid fuel burning, for the reasons set out in paragraphs 2.6 and 2.7.

Time Variation Plots

A2.7 Figure A2.6 shows measured data, according to day-of-the-week, month-of-the-year or time-of-the-day, across the monitoring period; the plot indicates elevated concentrations in the evening time, and on Thursday through to Sunday during September to December 2022, which may coincide with times of higher solid fuel burning.

A2.8 Figure A2.7, which shows measured data according to temperature, indicates elevated concentrations during times when temperatures are below 10°C, in the evening time in general and on Saturday and Sunday, which again, could indicate an influence from domestic solid fuel burning, although as discussed, it is difficult to attribute the elevated concentrations to this source with certainty.

Polar plots

A2.9 Figure A2.8a, which shows measured data during cold winter nights[9], shows the highest concentrations occurred during the lowest wind speeds (centre of the plot) from all wind directions and also at higher windspeeds when winds blew from the south. The all-other time plot (Figure A2.8b) has a stronger signal from the east and southeasterly directions. These are most likely to reflect long-range transport, although local sources, such as domestic solid fuel burning, may also affect the observed patterns.

[9] 'Cold winter nights' are defined in this study as any temperature <10°C, 6 pm to midnight, between 1st November 2022 to 1st March 2023.



Figure A2.5: Time series plot of daily mean $PM_{2.5}$ concentrations (µg/m^3) at Z1142 (blue), average AURN $PM_{2.5}$ concentrations (µg/m^3) (red) and temperature (at Zephyr) (°C) (green), September 2022 to September 2023

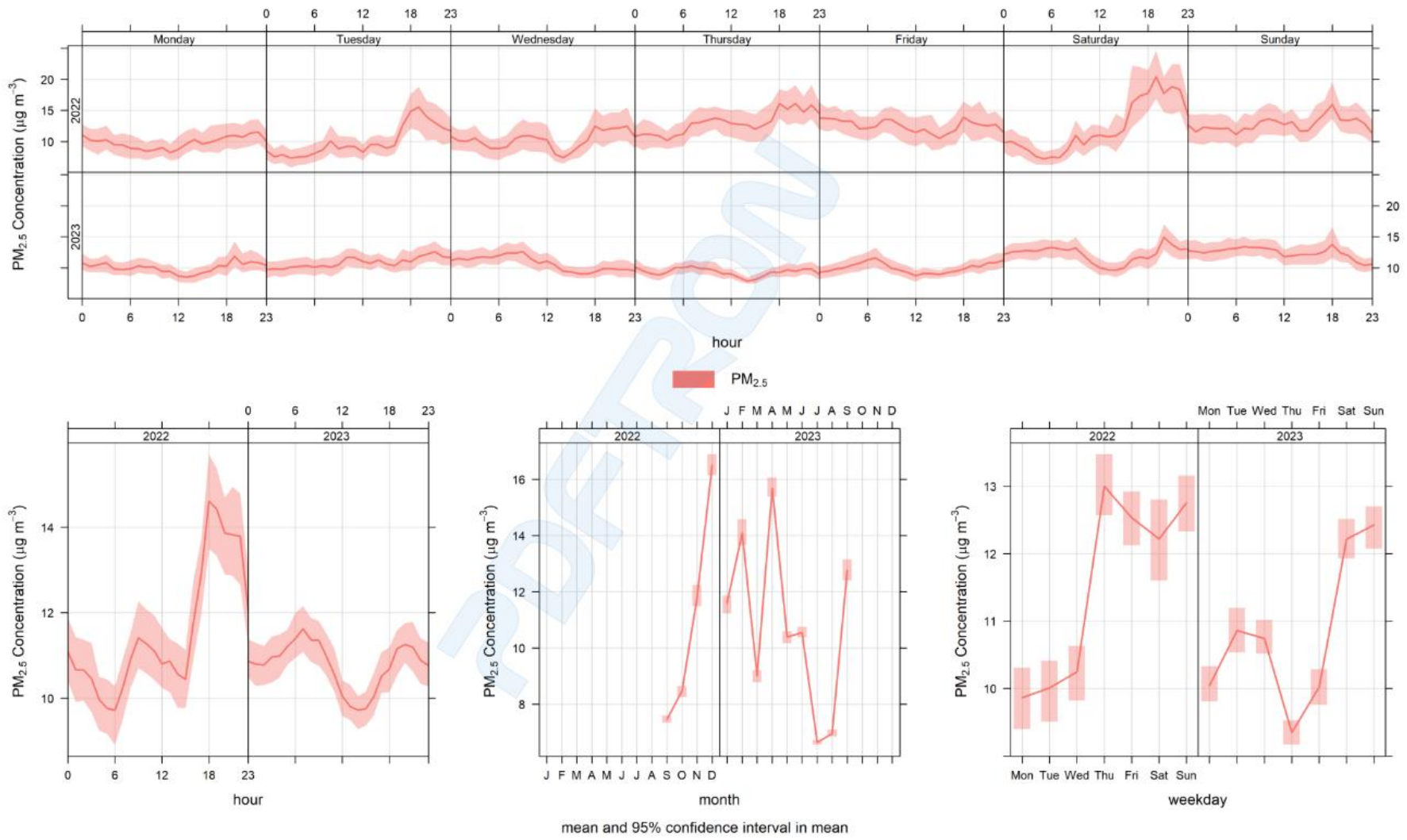

Figure A2.6: Time variation plot of measured $PM_{2.5}$ concentrations (µg/m^3) at Z1142, September 2022 to September 2023

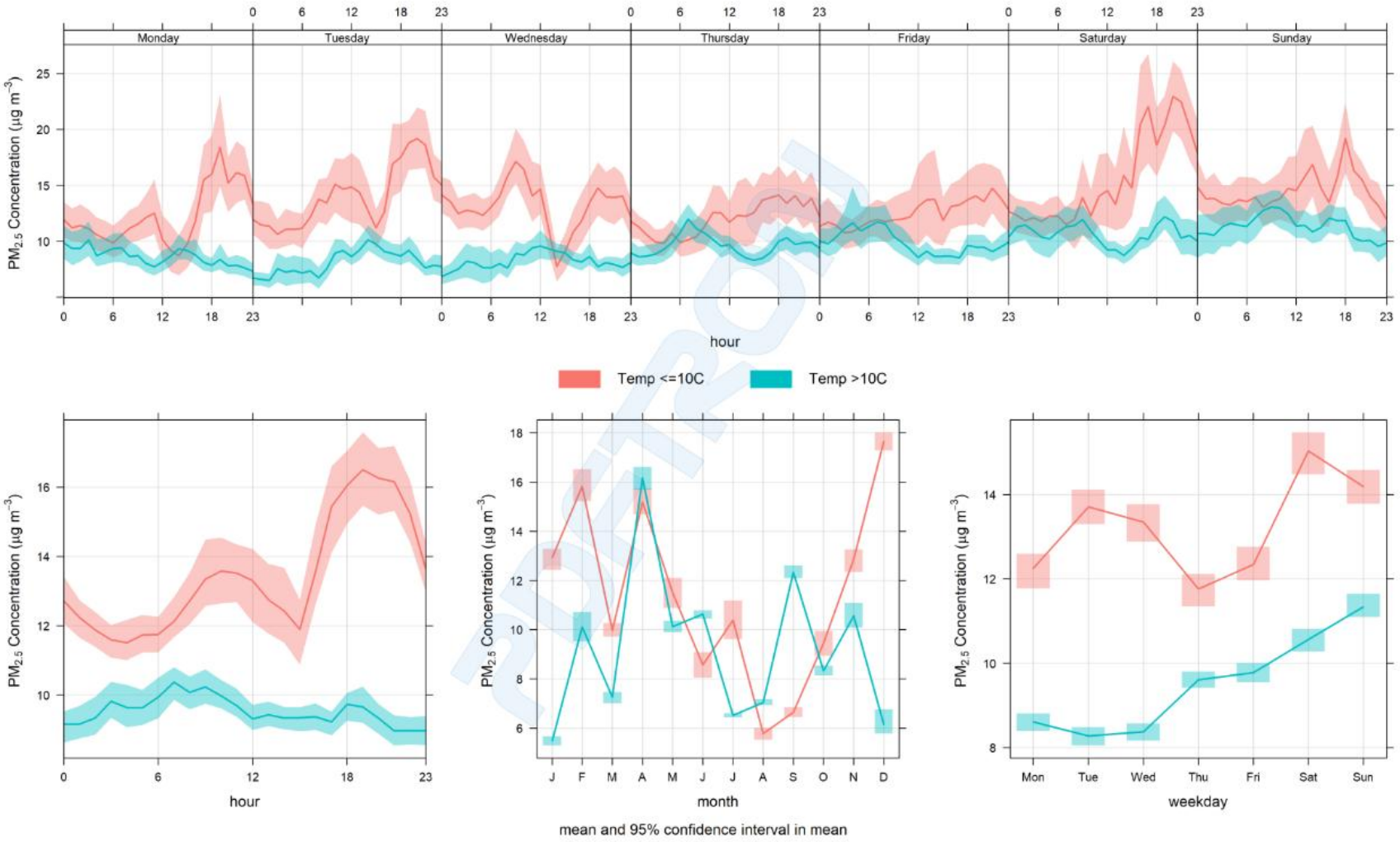

Figure A2.7: Time variation plot of measured $PM_{2.5}$ concentrations (µg/m^3) at Z1142, September 2022 to September 2023, with concentrations separated according to whether the ambient temperature was greater, or less than, 10°C

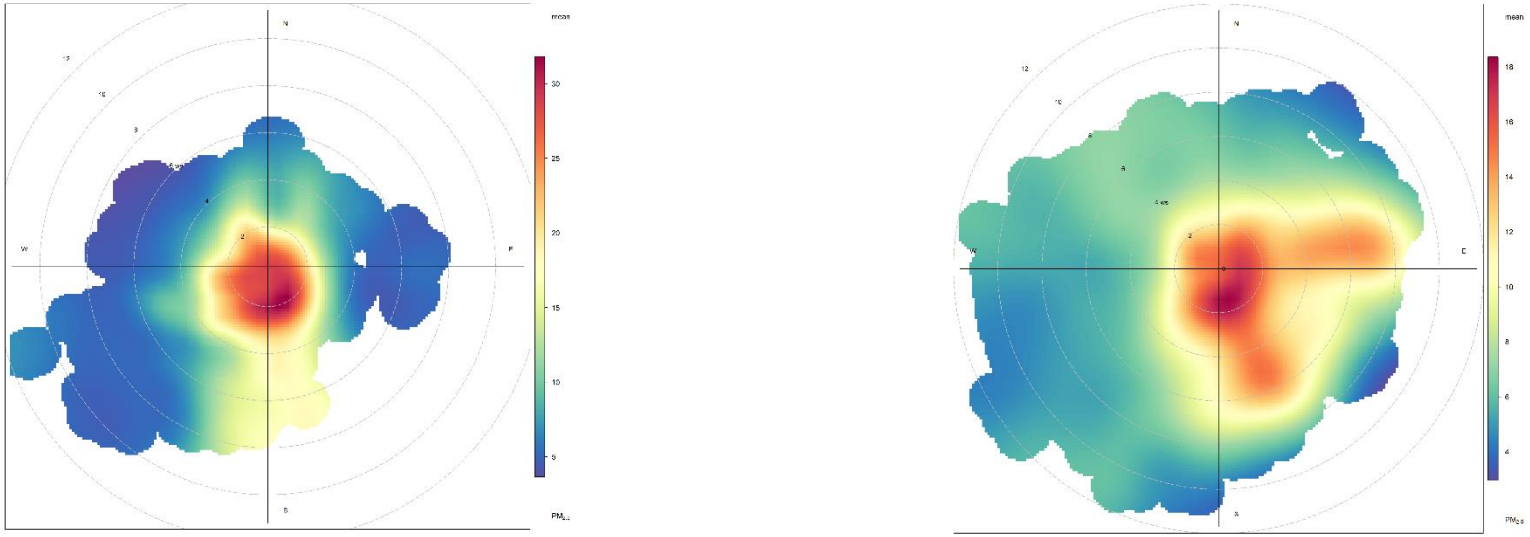

Figure A2.8: Bivariate Pollution Roses at Z1142, September 2022 to September 2023, accounting for 'cold winter nights'[10] (a - left) and rest of the period (b - right), $PM_{2.5}$ (µg/m^3)

North Kilworth (Z1083)

Time Plots

A2.10 Figure A2.9 shows a similar pattern over time at Z1083 and the AURN sites. A visual examination of the data shows that the Zephyr and AURN average follow broadly similar patterns and that, where there are differences between the two; these differences appear on visual inspection to be smaller than the shared range in the two sets of concentrations. The highest concentrations at both types of sites appear to broadly coincide with the lowest air temperatures, with the data also showing some elevated concentrations in spring and late summer. It is difficult to say whether the higher concentrations which coincide with lower temperatures are caused by solid fuel burning, for the reasons set out in paragraphs 2.6 and 2.7.

Time Variation Plots

A2.11 Figure A2.10 shows measured data, according to day-of-the-week, month-of-the-year and time-of-the-day, across the monitoring period; the plot indicates elevated concentrations on Thursday, Friday and Sunday during September to December 2022 and on Saturday and Sunday during January to September 2023. There also appear to be elevated concentrations in the morning. It is difficult to attribute these patterns to domestic solid fuel burning.

A2.12 Figure A2.11, which shows measured data according to temperature, clearly indicates elevated concentrations during times when temperatures are below 10°C, which could be attributable to domestic solid burning, but for reasons already set out, it is difficult to be definitive regarding source.

Polar plots

A2.13 Figure A2.12a, which shows measured data during cold winter nights, shows the highest concentrations occurred during the lowest wind speeds (centre of the plot), from all wind directions. The all-other time plot (Figure A2.12b) shows the highest concentrations also occur during a range of wind speeds, during winds with a southern and easterly component. The higher concentrations at lower windspeeds indicate the potential predominance of a local source, such as domestic solid fuel burning, but it is difficult to be definitive on sources of $PM_{2.5}$.



Figure A2.9: Time series plot of daily mean $PM_{2.5}$ concentrations (µg/m^3) at Z1083 (blue), average AURN $PM_{2.5}$ concentrations (µg/m^3) (red) and temperature (at Zephyr) (°C) (green), September 2022 to September 2023

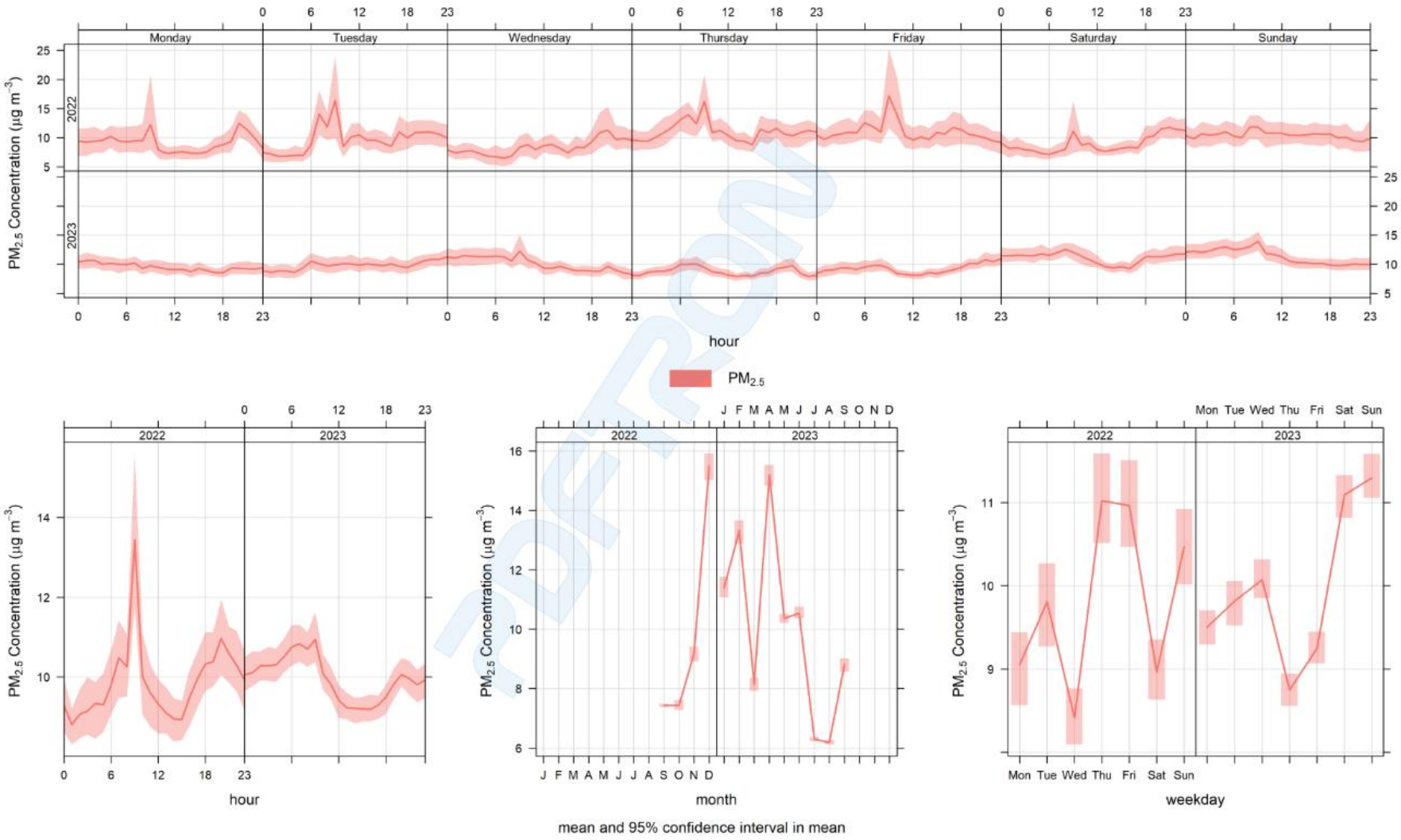

Figure A2.10: Time variation plot of measured $PM_{2.5}$ concentrations (µg/m^3) at Z1083, September 2022 to September 2023

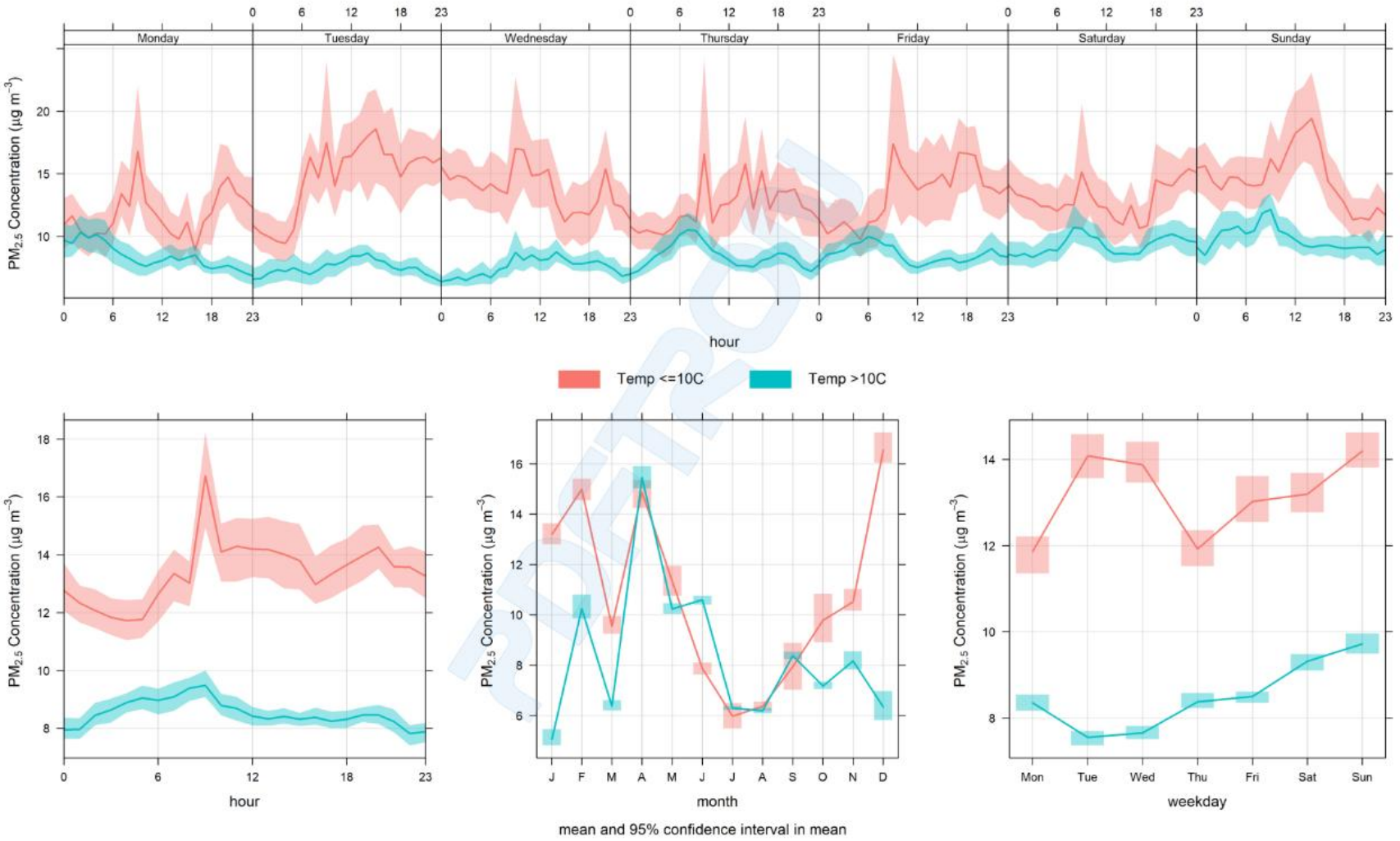

Figure A2.11: Time variation plot of measured $PM_{2.5}$ concentrations (µg/m^3) at Z1083, September 2022 to September 2023, with concentrations separated according to whether the ambient temperature was greater, or less than, 10°C

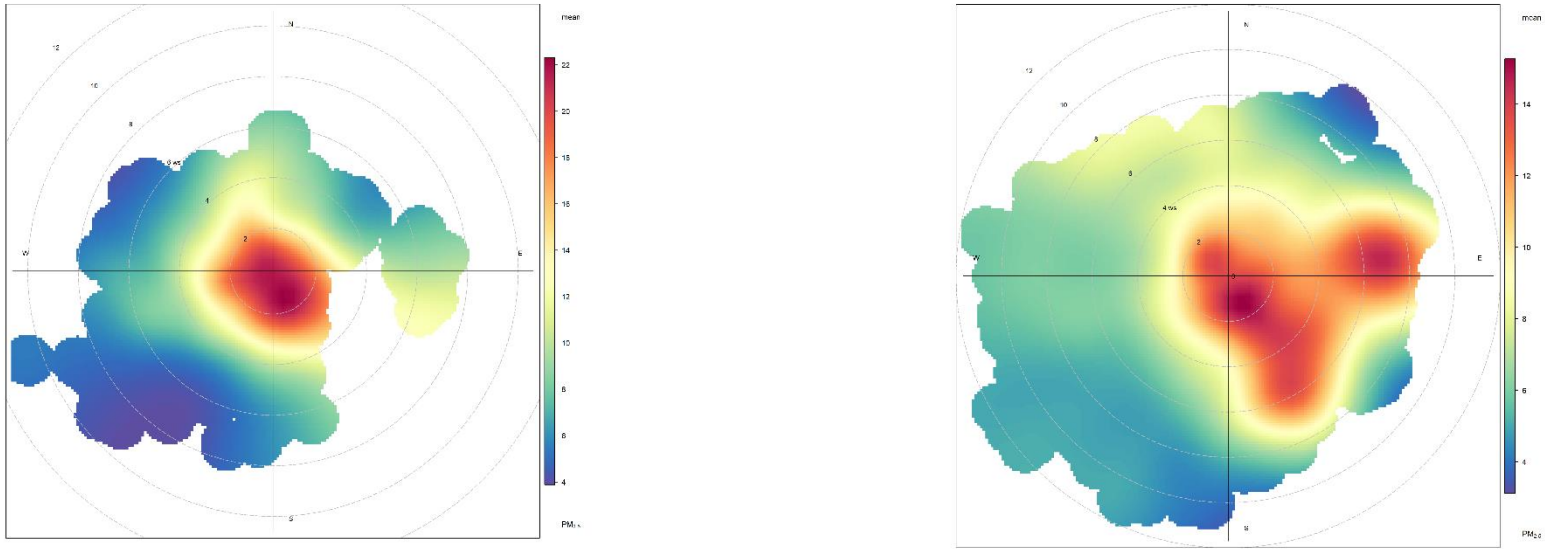

Figure A2.12: Bivariate Pollution Roses at Z1083, September 2022 to September 2023, accounting for 'cold winter nights'[10] (a - left) and rest of the period (b - right), $PM_{2.5}$ (µg/m^3)

NO2 Diffusion Tube Information 2023

Diffusion Tube Performance Summary 2023:

Tube Type: 50% TEA : 50% Acetone/ 20% TEA : 80% Water

Uncertainty: "Diffusion Tubes for Ambient NO2 Monitoring: Practical Guidance" categorises diffusion tubes as an indicative method, and as such the uncertainty is defined as ± 25%.

During in field intercomparisons, SOCOTEC's diffusion tubes perform at ±10% uncertainty.

Quality Control: A quality control (QC) sample of known concentration is run with the samples. The data generated is then assessed using a Shewhart control chart to determine the process is under statistical control.

Analytical Repeatability: In 2023 ~8100 QC samples were analysed, achieving a relative standard deviation of 0.98%

Confidence Intervals: 2σ ±2.18%
3σ ±3.27%

Limit of Detection: The analytical limit of detection is 0.03µg NO_2.

Over a 4-week exposure this would equate to 0.6µg/m^3, or 0.3ppb

Quality Assurance:
The manufacture and analysis of NO_2 diffusion tubes is covered by our UKAS accreditation.

The laboratory has taken part in the AIR (previously WASP) proficiency scheme since its inception. To achieve the highest ranking of "Satisfactory" a laboratory must achieve a z-score of <2. For 2023, SOCOTEC had an average z-score of 0.20

Bought in ISO Guide 34 and ISO/IEC 17025 certified standards are used to prepare calibration and QC standards.

2% of tubes are checked for blankness during manufacture, to ensure there is no contamination introduced during the manufacturing process.

The method meets the requirements laid out in DEFRA's "Diffusion Tubes for Ambient NO2 Monitoring: A Practical Guidance."

Diffusion Tube Data Processing Tool

This diffusion tube data processing tool has been developed to assist local authorities in processing their NO_2 diffusion tube monitoring data. It allows annual mean NO_2 concentration results to be calculated from NO_2 diffusion tube raw monthly data, by consolidating previous LAQM tools for processing diffusion tube monitoring data into a single tool. This serves to streamline the data processing requirements of NO_2 diffusion tubes and improve the quality assurance associated with NO_2 diffusion tube data processing. Through alignment of the output result tables with the annual reporting template requirements, the tool facilitates ease of population of the associated annual reporting data tables. In addition, it provides an output table which can be directly uploaded into the LAQM Portal via the Diffusion Tube Data Entry System (DTDES), which is part of the annual submission requirements for local authorities in England (including London), Scotland and Wales. While this tool can be used in Northern Ireland to aid in data processing, it is not yet required to be used at this time.

The tool includes steps to assist with:

1. Annualisation - the process of estimating annual mean NO_2 concentrations when data capture for the year is below 75%
2. Bias Adjustment - the process of accounting for the variable accuracy of annual mean NO_2 concentrations as measured by diffusion tubes relative to the chemiluminescent reference method
3. Fall off with Distance Adjustment - the process of estimating an annual mean NO_2 concentration at a receptor location that is close to a monitoring site
4. Calculation of the Annual Mean Concentration

For important information about the application of this tool and associated limitations, please see the "Important Notes" tab. This should be read and understood in full before using the tool.

Further information with regards to the use of the Diffusion Tube Data Processing Tool is provided within LAQM.TG(22).
https://laqm.defra.gov.uk/technical-guidance/index.html

INPUTS

The following input STEPS are required. Users should complete each STEP in full before progressing to the next subsequent STEP. Cells highlighted PINK denote where user input is required. Error messages that require action are flagged in RED boxes, whilst warning messages and other prompts are presented in ITALICS to alert users to the need of further potential action.

STEP 1 - **DT Calendar Inputs.** i) Define the monitoring year to auto populate with the default Defra calendar dates. Check the deployment start and end dates are correct and make any manual adjustments to the default calendar dates in line with the specific monitoring programme undertaken.

STEP 2 - Diffusion Tube Inputs. i) Select the Local Authority area from the dropdown list. This should correspond to your region (i.e. England/London/Scotland/Wales/Northern Ireland) and show the relevant tables to match with the appropriate template. ii) Enter the diffusion tube monthly raw data and site information for each diffusion tube site. Note, any clear outliers in the raw data or other questionable data should be removed prior to this step - all entered data will be used to calculate the annual mean concentration results. If annualisation is required for any diffusion tubes this will be denoted by a 'Yes' in the final column.

STEP 2a Annualisation Inputs. If annualisation is required, this tab will appear. i) Enter continuous background monitoring data. Input the Start Date and Start Time for the continuous monitor datasets. Enter hourly NO_2 concentration data from two to four nearby background continuous monitoring sites. Ensure the period for which continuous monitoring data are entered spans the entirety of the Monitoring Year Start and End Dates as defined in STEP 1. The continuous monitoring sites should ideally meet the selection criteria as specified in Box 7.9 of LAQM.TG(22) and Box 4.2 of LLAQM.TG(19) and form part of the national network:

https://uk-air.defra.gov.uk/interactive-map?network=aurn

STEP 3 - Bias Adjustment. i) Enter the national bias adjustment factor. ii) Confirm the number of co-located diffusion tube sites in the Local Authority area. If there are co-located sites available, complete the STEP 3a to STEP 3g Local Bias Adjustment tabs that will appear after defining the number of co-location sites (N.B. the number of tabs will depend upon the number of co-location sites specified - if there are no co-location sites no tabs will appear). iii) Review the bias adjusted data in the table below and confirm the choice of bias adjustment factor to be used for data processing.

STEP 3a to STEP 3g Local Bias Adjustment. If there are co-location sites in the Local Authority area, these tabs will appear in order to complete local bias adjustment. Each tab should be completed in turn as follows: i) Enter co-located diffusion tube period mean data in the table provided. ii) Enter co-located continuous monitor hourly monitoring data. Input the Start Date and Start Time for the continuous monitor dataset and enter the hourly NO_2 concentration data from the co-located continuous monitor in the table provided. Once all tabs are complete, return to STEP 3 - Bias Adjustment and review the bias adjusted data and confirm the choice of bias adjustment factor to be used for data processing.

STEP 4 - Fall off with Distance. i) If there are sites listed in the table, enter the background concentration associated with the site location. If no sites are listed, fall off with distance adjustment is not required. Once completed, proceed to the output result tables (highlighted tabs).

OUTPUTS

The Diffusion Tube Data Processing Tool provides the following tabulated outputs (highlighted tabs), which can be used as input into the annual reporting process.

1. Annualisation Summary (only if annualisation was required). Provides a summary of the calculated annualisation factors. Information is provided for each continuous monitoring site and on a per diffusion tube site basis. The Annualised Data Annual Mean is the product of the Average Annualisation Factor and the Raw Data Annual Mean. Either a Simple or a Time Weighted Annualised Data Annual Mean will be presented, dependent upon the deployment dates as defined in STEP 1. Note, these results are exclusive of the user-defined Bias Adjustment Factor.

2. Local Bias Adjustment Outputs (Only if local bias adjustment was required). Provides a summary of the calculated local bias adjustment factors. Information is provided for each co-location site and as an overall local bias adjustment factor. If multiple co-location sites have been used to calculate the local factor, the combined local bias adjustment factor is provided in line with the methodology described in paragraph 7.218 of LAQM.TG(22) and 4.83 of LLAQM.TG(19).

3. Annual Results Summary. Provides a summary of the raw and annualised concentration data for each diffusion tube site, inclusive of the user-defined Bias Adjustment Factor and Fall-off with Distance adjustment (where applicable). All data on this tab is either defined by or calculated from the user inputs entered on the Input tabs. If any errors are highlighted on this tab, users should return to the relevant Input tab STEP to resolve the error as instructed - results will only be displayed in the results table once errors have been resolved. Warnings will highlight any potential inconsistencies in data which may need checking. Results are provided in a format consistent with the Annual Results Summary tab: Table B.1 of the Annual Status Report (ASR) template for local authorities in England, Table R in the London ASR template, Table B.1 of the Scottish Annual Progress Report (APR) template and Table A.1 of the Welsh APR template.

4. Details of Non-Automatic Monitoring Sites. Provides site information for each non-automatic NO_2 diffusion tube monitoring site. All data on this tab is defined by the user inputs entered on the Input tabs, with the exception of the pink highlighted cells that need to be manually populated with data to complete the table for annual report submission. The data from this table should be used to populate the corresponding data tables as required in the English ASR Template (Table A.2), London ASR template (Table C), the Scottish APR template (Table A.2) and the Welsh APR template (Table 2.2).

5. Annual Mean NO_2 Monitoring Results. Provides annual mean NO_2 concentration results for the past 5 years in England, Scotland and Wales or 7 years in London. All data on this tab is either defined by or calculated from the user inputs entered on the Input tabs, with the exception of the pink highlighted cells that need to be manually populated with data to complete the table for annual report submission. Results are provided in a format consistent with Table A.4 of the ASR template for local authorities in England, the London ASR template (Table E), the Scottish APR template (Table A.4) and the Welsh APR template (Table 2.4).

6. DTDES Inputs. Provides a table that can be exported for direct upload to the LAQM Portal via the DTDES, which is part of the annual submission requirements for English (including London boroughs), Scottish and Welsh Local Authorities. All data on this tab is either defined by or calculated from the user inputs entered on the Input tabs. Providing the user has completed all required Inputs correctly, the table will include all the data required for submission to the DTDES. Once the DTDES Inputs tab has been exported, it is not possible to edit any of the data contained in the exported sheet - if changes are required, users must return to the Diffusion Tube Processing Tool to make the necessary adjustments before re-exporting the DTDES Input tab.

Web: https://laqm.defra.gov.uk/
Telephone: +44 (0)800 032 7953
Email: LAQMHelpdesk@bureauveritas.com

The LAQM Support Helpdesk is operated by Bureau Veritas UK, part of the Bureau Veritas Group.

v4.0 released March 2024

Important Notes

GENERAL

1. Users should complete each STEP in full before progressing to the next subsequent STEP.
2. The required processing steps (i.e. annualisation, bias and fall-off with distance adjustment) will be determined based on the information entered and will be applied to the relevant diffusion tubes as necessary.
3. Cells highlighted PINK denote where user input is required.
4. Error messages that require action are flagged in RED boxes, whilst warning messages and other prompts are presented in ITALICS to alert users to the need of further potential action.

5. Additional user information is provided as cell comments for a number of table column headings within the tool. These are denoted by a small red triangle in the top right hand corner of the cell.
6. Tabulated outputs generated by the tool (highlighted tabs) are presented in a format consistent with the annual reporting template requirements.
7. Either a Simple or a Time Weighted Annualised Data Annual Mean will be presented in the Annual Results Summary, Details of Non-Automatic Monitoring Sites and DTDES Inputs tabs, dependent upon the deployment dates as defined in STEP 1 - DT Calendar Inputs.
8. For duplicate and triplicate sets of diffusion tubes, results on the Annualisation Summary, STEP 3 - Bias Adjustment and Annual Results Summary tabs will only be provided against a single diffusion tube but will represent the average across the duplicate/triplicate set of diffusion tubes.
9. In STEP 4 - Fall off with Distance, Details of Non-Automatic Monitoring Sites, Annual Mean NO_2 Monitoring Results and the DTDES Inputs tabs, a single row is reported which represents the duplicate/triplicate site. The concentration values reported will be representative of the average across the duplicate/triplicate set of diffusion tubes.
10. For a NO_2 concentration within 10% of the annual mean objective of 40µg/m^3 (between 36.0µg/m^3 and <40µg/m^3) the concentration is shown in italics.
11. Exceedances of the NO_2 annual mean objective of 40µg/m^3 are shown in bold.
12. NO_2 annual means exceeding 60µg/m^3, indicating a potential exceedance of the NO_2 1-hour mean objective, are shown in bold and underlined.

STEP 1 - DT Calendar Inputs

1. The diffusion tube data processing tool has been pre-populated with Defra recommended diffusion tube calendar dates for 2017 to 2023. If the tool is needed for data processing of diffusion tubes deployed outside of these years, please contact the LAQM Helpdesk for further support.
2. The diffusion tube deployment data as defined in STEP 1 are assumed to be applicable to all diffusion tube data entered in STEP 2.
3. If all diffusion tubes have been deployed/collected in line with the dates specified in the Defra diffusion tube calendar (±2 days), the entered dates do not need to be adjusted from the pre-populated Defra calendar dates. If a date of deployment and/or collection is greater than ±2 days of the pre-populated Defra calendar dates, please enter the exact date.
4. If any of the Diffusion Tube On and Off Deployment Dates, as defined in STEP 1 - DT Calendar Inputs, vary beyond the 4 to 5 week (±4 days) recommended exposure period as detailed within LAQM.TG(22) and LLAQM.TG(19), a Time Weighted Annual Mean NO_2 concentration will be calculated for all diffusion tubes. However, if all diffusion tubes were exposed within these criteria, then a Simple Annual Mean will be used to calculate the annual mean NO_2 concentration. This will be applied irrespective of whether the diffusion tube requires annualisation.

STEP 2 - Diffusion Tube Inputs

1. A maximum of 500 diffusion tubes can be entered. If the total number of diffusion tubes to be processed exceeds 500, please contact the LAQM Helpdesk for advice.
2. All cells where no data are available should be left blank, i.e. do not enter "n/a" or "-", etc.
3. The tool will not perform any validation of the user defined concentration data inputs. Any clear outliers in the raw data or other questionable data should therefore be removed prior to entering the data into the tool.
4. A value of 0 entered in the user defined concentration data inputs will be treated as though no concentration was reported for that period.
5. Any duplicate/triplicate diffusion tube sites should be denoted in STEP 2 - Diffusion Tube Inputs as required by applying a common Duplicate/Triplicate ID reference across the relevant data rows, e.g. enter “Triplicate Set 1” across the three diffusion tubes that comprise a triplicate site, etc.
6. For duplicate and triplicate sets of diffusion tubes, results on the Annualisation Summary will only be provided against a single diffusion tube. On Details of Non-Automatic Monitoring Sites, Annual Mean NO_2 Monitoring Results and the DTDES Inputs tabs, a single row is reported which represents the duplicate/triplicate site. These concentration values will be representative of the average across the duplicate/triplicate set of diffusion tubes.
7. The term "kerb" may be taken to be the edge of the carriageway with free-flowing traffic, as per the definition in LAQM.TG(22) and LLAQM.TG(19).
8. Distances should be measured perpendicular to the kerb.
9. If the location of relevant exposure (i.e. receptor) is closer to the kerb than the monitoring site, enter the distance from the monitoring site to relevant exposure as a negative value. For example, if the receptor is 2m from the kerb and the monitoring site is 3m from the kerb, enter a value of -1m into the Distance to Relevant Exposure column.
10. Site coordinates should be entered in OSGB36 National Grid Eastings and Northings format, e.g. 123456, 123456.
11. Distances should be measured perpendicular to the kerb.
12. If the diffusion tubes are not local authority specific, please select "Not Specified" as the local authority area.

STEP 2a Annualisation Inputs

1. Annualisation will only be performed at diffusion tube sites where there is between 3 and 8 months' worth of diffusion tube data available (i.e. where data capture is ≥25% but <75% of the year). Note, if the site is a duplicate or triplicate site, data capture is calculated for all deployed diffusion tubes in combination, rather than for each tube individually.
2. Two or more continuous monitoring sites are required for annualisation to be attempted. For information on site selection criteria please refer to LAQM.TG(22) or LLAQM.TG(19).
3. Continuous background monitoring data needs to be provided for the entire time period between the Monitoring Year Start and End dates, as defined in STEP 1 - DT Calendar Inputs.
4. The continuous background monitoring data needs to have over 85% data capture for the time period between the Annualisation Year Start and End dates, as defined in STEP 1 - DT Calendar Inputs. If there is less than 85% data capture, an annualisation factor will not be calculated for that specific continuous monitoring site.
5. An average annualisation factor will only be calculated if two or more annualisation factors have been calculated from the continuous monitoring data for each diffusion tube site.
6. The tool will always use a time-weighted approach to calculate the annualisation factor for each continuous monitoring site/diffusion tube, irrespective of whether the recommended exposure period defined within LAQM.TG(22) and LLAQM.TG(19) has been followed.
7. The tool assumes diffusion tubes have been changed over at midday on the dates as defined in STEP 1 - DT Calendar Inputs. Any actual deviation relative to this is considered immaterial to the calculations.
8. Annualisation calculations will be applied for the period between the Monitoring Year Start and End Dates as defined in STEP 1 - DT Calendar Inputs.

STEP 3 - Bias Adjustment

1. Only a single bias adjustment factor can be applied to the diffusion tube sites entered. If a variable bias adjustment factor needs to be applied, or bias adjustment is to be performed elsewhere, the user should select 'none' when asked which bias adjustment factor will be used for data processing. This will result in no bias adjustment being applied to the annual mean NO_2 concentration. Please note, in such circumstances the results as presented in the Annual Results Summary, Annual Mean NO_2 Monitoring Results and DTDES Inputs tabs will be exclusive of any bias adjustment.
2. When considering whether to apply either a national or a local bias adjustment factor, users should give due consideration to the associated discussion in Chapter 7 of LAQM.TG(22) or Chapter 4 of LLAQM.TG(19).
3. If a bias adjustment factor is to be calculated from co-location sites across a number of neighbouring Local Authorities please define this as a local bias adjustment factor.
4. The number of co-location sites defined in STEP 3 - Bias Adjustment corresponds to the number of co-location sites that will be used to calculate the local bias adjustment factor (providing the required data is entered into STEPs 3a to 3g).
5. If multiple co-location sites have been used to calculate the local factor, the combined local bias adjustment factor is provided in line with the methodology described in paragraph 7.218 of LAQM.TG(22) and 4.83 of LLAQM.TG(19).

STEP 3a to STEP 3g - Local Bias Adjustment

1.The Coefficient of Variation (CV) of the diffusion tube represents their precision. This value is used to carry out a data quality check on the replicates for each period. When the CV of a single period is above 20%, the period measurement is considered of poor precision and will not be used in subsequent calculations. All others, below 20%, are considered of good precision. The average CV of the different periods of monitoring is used to assess the overall precision of the survey. It is considered that if the average CV is above 10%, the survey is of poor overall precision. In such circumstances the Local Bias Adjustment Factor should be treated with caution.

2. Quality checks for the automatic monitoring data are carried out automatically. Having entered the data, those periods with poor data capture (below 75%) are highlighted. The periods with poor data capture will not be used in subsequent calculations. If the data capture of the overall period is below 90% the survey is considered of poor overall data capture. In such circumstances the Local Bias Adjustment Factor should be treated with caution.
3. The accuracy of the co-location study is defined by the Bias Adjustment Factor A and Diffusion Tube Bias B.
4. The Bias Adjustment Factor A and Diffusion Tube Bias B are calculated with a 95% Confidence Interval defined in brackets. These values exclude replicate data with poor precision.
5. Outlier tubes are common in diffusion tube datasets. Individual outlier tubes are statistically difficult to identify with 3 replicates (triplicate). Triplicates with poor precision highlight those that might contain outliers. However, it is not possible to identify individual outliers. In order to be consistent throughout the calculations, those triplicates identified with poor precision are excluded.

STEP 4 - Fall off with Distance

1. Following the process of fall off with distance adjustment, concentration results will have a greater uncertainty than measured data. More confidence can be placed in results where the distance between the monitor and the receptor is small than where it is large.
2. Fall off with distance adjustment should only be used where the influence of one road source is present, i.e. an increasing distance from a road source in one direction cannot lead to a decreased distance toward a secondary road source.
3. Fall off with distance adjustment should only be undertaken if the monitor and receptor have similar elevations.
4. The measurement and the background must be for the same year. The background concentration could come from the national maps published at https://uk-air.defra.gov.uk/data/laqm-background-home, or alternatively from a nearby monitor in a background location.
5. The defined background concentration must be below the measured annual mean concentration for fall off with distance adjustment to be undertaken.
6. Whilst the user can define any distances for Distance to Relevant Exposure (m) and Distance to Kerb of Nearest Road (m) on STEP 2 - Diffusion Tube Inputs, fall off with distance adjustment will only be undertaken if the Monitoring Site to Kerb distance and the Receptor to Kerb distance is between 0.1m and 50m.

7. When the receptor is further from the kerb than the monitor, it is recommended that the receptor and monitor should be within 20m of each other.
8. When the receptor is closer to the kerb than the monitor, it is recommended that the receptor and monitor should be within 10m of each other.

Annual Results Summary

1. The Diffusion Tube Co-ordinate Check Warning will flag orange if there are any diffusion tubes which may have X and Y coordinates outside the specified local authority. Due to the resolution of the check, it may also flag diffusion tubes with co-ordinates located near to the local authority boundary. Please double check the highlighted diffusion tubes and correct if necessary.

Diffusion Tube Calendar Inputs

Click here to Reset Tool

i) Click here to Select Monitoring Year

Enter data into the pink cells (if required)

Monitoring Year	2023
Year Start Date	06/01/2023
Year End Date	05/01/2024

	Diffusion Tube Deployment Dates		
Month			Comments
Jan	06/01/2023	03/02/2023	
Feb	03/02/2023	02/03/2023	
Mar	02/03/2023	05/04/2023	
Apr	05/04/2023	02/05/2023	
May	02/05/2023	02/06/2023	
Jun	09/06/2023	05/07/2023	
Jul	05/07/2023	02/08/2023	
Aug	02/08/2023	08/09/2023	
Sep	08/09/2023	04/10/2023	
Oct	04/10/2023	03/11/2023	
Nov	03/11/2023	06/12/2023	
Dec	06/12/2023	05/01/2024	

Diffusion Tube Raw Data Inputs

Annualisation required, follow instructions on STEP 2a Annualisation Inputs tab

Enter data into the pink cells

i) Select local authority	Harborough District Council
ii) Enter raw diffusion tube data	

Diffusion Tube ID	Site Name	Duplicate/Triplicate ID	New or Existing Site?	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Distance to Relevant Exposure (m)	Distance to Kerb of Nearest Road (m)	NO_2 Monthly Concentration Data (µg/m³)												Requires Annualisation?
									JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
01n	Lut. Service Shop		Existing	454475	284560	Roadside	0.0	4.2	52.4	39.4	39.6	37.1	37.9	42.7	41.7	38.6	37.6	35.6	42.2	33.7	NO
11n	Day Nursery		Existing	454539	284932	Roadside	9.0	1.3	32.6	21.9	33.3	25.0					26.3	25.6	26.7	18.0	YES
12n	A6 Kibworth		Existing	468425	294314	Roadside	10.7	1.3	34.7	30.0	26.6	22.9	25.0	25.6	26.8	23.6	23.4	28.8	36.9	25.7	NO
18n	Jazz Hair		Existing	454443	284348	Roadside	0.0	3.0	48.9	30.7	50.7	40.3	26.6	33.5	35.8	43.0	33.5	35.1	38.8	23.1	NO
22n	77 leicester road		Existing	454533	284872	Roadside	0.0	13.5	18.5	18.8	19.6	16.1	14.8	14.7	16.0	16.5	16.3	18.3	21.7	13.9	NO
23n	6 The Terrace Rugby Road		Existing	454428	284274	Roadside	0.0	2.5	32.3	24.6	33.8	35.6		24.2	20.7	32.3	26.4	27.1	29.1	23.7	NO
24n	regent court		Existing	454410	284326	Roadside	2.0	1.0	50.6	25.6	42.2	29.2	29.4	32.6	33.4	41.4	31.7	30.3	40.7	28.7	NO
25n	26 Market Street Lutterworth		Existing	454497	284618	Roadside	1.6	4.8	41.0	30.6	38.8	33.5	16.3	27.4	27.1	34.6	29.7	27.9	28.7	22.5	NO
26n	24 Rugby Road Lutterworth		Existing	454432	284229	Roadside	0.0	2.0	46.8	40.6	37.5	17.5	30.4	33.1	31.1	26.2	27.2	28.2	32.2	27.3	NO
27n	17 Rugby road Lutterworth		Existing	454476	284178	Roadside	3.7	5.2	37.1	27.9	36.5	28.8	24.0		26.3	29.7	30.2	27.4	34.0	26.5	NO
28n	Spencerdene main street theddingworth		Existing	466535	285545	Roadside	1.2	0.2	23.1	15.5	18.2	13.8	14.8	14.2	14.1	14.5	19.9	23.1	14.9	16.8	NO
29n	Homeside main street Theddingworth		Existing	466651	285607	Roadside	0.2	1.4	34.5	23.8	22.5	21.0	17.2	16.5	18.3	22.2	16.3	16.4	21.3	11.4	NO
30n	40 regent street lutterworth		Existing	466651	285607	Roadside	0.2	1.4	28.7	18.6	27.6	31.3		14.5	12.5	16.2	16.8	18.7	17.2	18.0	NO
31n	69 leicester road Kibworth		Existing	467933	294660	Roadside	3.5	4.0	49.8	25.3	32.9	32.0	24.3	23.4	26.7		29.6	34.8	37.8	25.0	NO
32n	Alma House, Watling Street Claybrooke Parva		Existing	448065	287719	Roadside	0.0	7.0	34.5	21.0	30.3	24.0	22.1	18.9			21.6		34.0	16.8	YES
33n	sign post outside White House Farm Watling street		Existing	448948	286554	Roadside	14.0	1.0	33.7	21.7	26.3	18.8	18.3	19.0	21.7	19.7	19.1	22.4	24.9	21.6	NO
34n	sign outside 64 Leicester Road Kibworth		Existing	468143	294351	Roadside	0.5	2.3	62.3	56.4	50.5	44.6	47.9	52.3	49.6	49.7	52.0	51.9	41.2	18.1	NO
35n	lamppost outside 78 leicester road kibworth		Existing	468022	294450	Roadside	3.1	6.4	55.5	39.7	43.2	36.6	37.6	40.7	40.3	14.7	36.4	32.6	35.8	28.0	NO
36n	signpost just north of 11 Leicester road Kibworth		Existing	468309	294352	Roadside	0.0	1.4	43.6	32.6	43.9	33.5	31.9	34.8	32.9	32.8	36.9	37.5	41.5	30.3	NO
37n	pizza Express st marys road		Existing	473749	287214	Roadside	0.0	1.4	38.0	27.1	33.5	23.0	22.2	23.4	24.1	20.6	24.3	25.0	28.4	24.1	NO
38n	coach and horse kibworth		Existing	468403	294298	Roadside	2.2	2.5	33.2	19.1	26.5	18.6	14.9	22.5	17.1	19.1	15.1	20.9	1.8	13.4	NO
39n	lamppost 29 church road kibworth		Existing	468412	294218	Roadside	10.2	2.0	28.7	19.9	20.3	17.3	13.5	16.7	14.3	13.1	15.7	19.5	22.1	15.2	NO
40n	106 main street kibworth		Existing	468027	294570	Roadside	0.0	1.7	18.4	23.6	19.0	15.8	17.6	17.3	16.6	37.2	20.4	22.7	26.3	21.1	NO
41n	lampost outside 52 Leicester Road		Existing	468982	293824	Roadside	9.0	2.2	28.9	21.9	27.0	15.6	13.7	13.9	14.7	17.4	18.3	17.7	13.7	12.8	NO
42n	road sign on leicester road, rear of 9 Milestone Close		Existing	469037	293796	Roadside	12.0	2.0	32.2		32.2	20.3		17.8	18.4	22.8	17.6	21.5	27.1	16.6	NO
43n	3 dunton road BA		Existing	453583	292002	Roadside	2.9	1.5	35.1	25.7	30.1	21.5	18.4	15.9	17.4	20.8	18.6		28.8	17.1	NO
44n	16 Main Street, BA (on wooden pole outside the shop)		Existing	453625	291935	Roadside	2.0	0.2	31.4	20.0	27.2	15.6		26.0			15.0	19.2	20.3	15.6	YES
45n	lampost est of 5 Lutterworth road Walcote		Existing	456575	283605	Roadside	3.0	0.2	20.0	18.0	19.9	10.2	14.9	14.1	15.0	12.9	16.7	17.9	19.2	18.1	NO
46n	sw junction welland park road and northamton road MH		Existing	473596	286821	Roadside	14.0	2.3	48.6	34.6	36.8	28.0	29.5	32.3	33.4		31.4	32.4	24.7	27.0	NO
47n	53 northamton road MH		Existing	473598	286851	Roadside	9.0	1.0	40.3	29.7	43.1	33.1	27.6	26.1	28.8	33.1	24.8	24.2	27.7	19.3	NO
48n	7 leicester road MH		Existing	473172	287534	Roadside	2.6	2.9	38.4	22.6	37.7	29.8	23.6	15.8	23.8	25.8	24.3	28.6	37.1	18.7	NO
49n	lamppost outside 12 Springfield Street MH		Existing	473678	286931	Roadside	2.1	1.9		25.5	29.5		21.4	20.7	23.5	29.6			20.8	20.7	YES
50n	lamppost carpark adj Fleckney Fish bar, High street		Existing	464971	293501	Roadside	0.1	2.0		17.1	24.6	15.4	13.0	12.9	14.2				20.6	15.6	YES
51n	lamppost outside thurnby memorial hall, main street, bushby		Existing	464773	303914	Roadside	1.6	3.8	36.3	20.1	16.6	12.6	10.7	9.3	11.2	10.5			14.8	16.0	NO

Continuous Monitoring Data Inputs for Annualisation

Enter data into the pink cells

i) Enter Continuous Background Monitoring Data

Start Date	*01/01/2023*
Start Time	*01:00*

	NO_2 Hourly Concentrations (µg/m^3)			
	Sufficient (>85%) annual data capture	**Sufficient (>85%) annual data capture**	**Sufficient (>85%) annual data capture**	**Sufficient (>85%) annual data capture**
Date & Time	***Leamington Spa***	***Leicester University***	***Northampton Spring Park***	***Nottingham Centre***
01/01/23 01:00	3.0044	3.46907	2.33002	9.32666
01/01/23 02:00	3.2791	2.78758	0.80952	14.42272
01/01/23 03:00	3.89609	3.06645	0.77735	8.87399
01/01/23 04:00	3.23783	2.88068	0.63675	12.5425
01/01/23 05:00	3.54148	2.50899	0.43993	12.5239
01/01/23 06:00	3.43523	2.32337	1.28353	5.59582
01/01/23 07:00	4.47181	2.4628	1.23132	12.28861
01/01/23 08:00	5.96169	2.88068	2.74984	11.49036
01/01/23 09:00	5.53456	2.97364	2.52486	7.48769
01/01/23 10:00	5.37196	4.36699	2.74784	5.55561
01/01/23 11:00	4.81456	4.92359	2.97682	4.65931
01/01/23 12:00	5.53564	3.11206	3.25802	4.65191
01/01/23 13:00	6.30229	4.27404	3.29219	7.71711
01/01/23 14:00	6.96377	5.20347	4.91514	10.87584
01/01/23 15:00	9.86455	6.9229	6.58229	11.58175
01/01/23 16:00	14.65647	9.61853	6.72088	16.71158
01/01/23 17:00	11.48685	10.40881	8.10282	15.25121
01/01/23 18:00	8.58392	9.38642	7.23507	12.75389
01/01/23 19:00	10.85016	7.4818	7.61268	19.01707
01/01/23 20:00	8.1708	9.10784	7.65286	13.50882
01/01/23 21:00	8.52757	6.22643	13.06005	8.51321
01/01/23 22:00	6.73404	5.8546	10.42475	8.36874
01/01/23 23:00	6.12029	5.43658	8.75961	11.29638
02/01/23 00:00	5.15624	6.2732	7.00408	9.2246
02/01/23 01:00	4.76271	5.82118	5.61398	7.65118
02/01/23 02:00	5.04902	4.33458	4.5538	8.66326
02/01/23 03:00	5.20944	4.87657	4.09196	8.28443
02/01/23 04:00	6.64297	4.45846	2.46941	8.75679
02/01/23 05:00	6.37955	6.59444	1.69041	8.66091
02/01/23 06:00	7.29804	12.02237	2.51763	9.04091
02/01/23 07:00	23.56005	10.30569	4.22643	12.52417
02/01/23 08:00	30.67292	20.29264	6.66191	26.74202
02/01/23 09:00	26.53273	33.40331	10.93656	20.85736
02/01/23 10:00	27.78601	29.60085	8.10914	23.05083
02/01/23 11:00	23.36471	18.22649	12.52767	22.71866
02/01/23 12:00	21.29809	18.78312	11.49201	18.43438
02/01/23 13:00	15.87512	16.78583	13.30667	13.6876
02/01/23 14:00	15.82416	24.35076	11.9518	17.30987
02/01/23 15:00	18.57212	33.68239	10.33413	22.6331
02/01/23 16:00	25.60565	33.32636	13.66673	26.0247
02/01/23 17:00	40.3439	46.41485	25.46568	39.07561
02/01/23 18:00	40.20546	52.06997	34.38205	55.67682
02/01/23 19:00	47.82167	50.16271	48.48019	55.034
02/01/23 20:00	54.61116	52.07642	49.55971	44.69116
02/01/23 21:00	40.70389	48.2804	44.59937	51.59764
02/01/23 22:00	32.85753	33.85435	41.91846	47.64131
02/01/23 23:00	22.2423	28.79094	33.76284	36.19809
03/01/23 00:00	14.54189	19.73804	25.73088	34.26576
03/01/23 01:00	12.86269	15.78314	22.91526	35.62915
03/01/23 02:00	16.44298	9.15985	21.4948	35.64298
03/01/23 03:00	15.41612	9.74802	16.38043	32.6154
03/01/23 04:00	13.18632	8.82012	14.96583	20.05759
03/01/23 05:00	12.51731	9.70217	14.54198	20.47746
03/01/23 06:00	9.24996	11.3734	22.4074	17.74005
03/01/23 07:00	10.47962	13.78582	26.68865	26.80088
03/01/23 08:00	12.28706	15.73195	18.03173	34.27825
03/01/23 09:00	12.6417	15.35697	15.96452	24.41285
03/01/23 10:00	10.64215	12.52762	13.02634	21.87772
03/01/23 11:00	12.01938	12.15653	9.5699	15.90148
03/01/23 12:00	15.01834	10.25411	8.69684	17.45184
03/01/23 13:00	13.44865	10.43965	14.12608	15.28924
03/01/23 14:00	10.79078	9.27919	12.2918	16.69457
03/01/23 15:00	10.99359	11.74019	9.34321	18.7156
03/01/23 16:00	10.6835	10.53408	7.43779	17.02713
03/01/23 17:00	9.20434	9.65203	8.32541	11.4719
03/01/23 18:00	8.76272	9.97765	7.91613	11.66358
03/01/23 19:00	8.3899	8.35422	7.49852	12.13518

03/01/23 20:00	8.28583	5.43024	4.91097	11.85089
03/01/23 21:00	5.22342	5.05877	3.75882	13.41438
03/01/23 22:00	3.586	4.50156	2.33174	12.04648
03/01/23 23:00	3.44057	4.6395	1.95046	11.90676
04/01/23 00:00	2.20556	2.50529	1.01875	6.96194
04/01/23 01:00	2.60804	1.66905	1.21384	9.78729
04/01/23 02:00	2.11812	1.60776	0.76979	10.03581
04/01/23 03:00	2.5199	1.90111	0.76767	6.44224
04/01/23 04:00	2.36166	1.80851	0.8727	6.06561
04/01/23 05:00	2.82465	2.59728	0.6796	4.93637
04/01/23 06:00	3.06672	3.94256	2.14808	9.68975
04/01/23 07:00	6.34052	6.86428	3.30406	16.27468
04/01/23 08:00	11.7753	15.06986	7.11795	17.0343
04/01/23 09:00	15.50782	17.06268	9.09624	13.1266
04/01/23 10:00	13.97233	14.60265	8.67449	13.64229
04/01/23 11:00	14.53088	12.6538	6.25161	11.5179
04/01/23 12:00	12.53878	12.46352	6.74659	10.06027
04/01/23 13:00	9.1705	11.71696	5.49194	9.68432
04/01/23 14:00	9.82885	14.67869	6.14234	No data
04/01/23 15:00	11.05	15.69003	6.36888	13.23191
04/01/23 16:00	11.19546	16.30729	8.80872	11.14625
04/01/23 17:00	9.15665	13.75399	7.38004	13.55872
04/01/23 18:00	13.04955	16.30883	8.38273	13.40924
04/01/23 19:00	10.37781	15.28977	4.94444	13.41445
04/01/23 20:00	8.90393	9.22332	4.21232	11.66919
04/01/23 21:00	6.28955	9.82822	3.57463	9.22524
04/01/23 22:00	4.80077	11.72999	4.63831	11.57656
04/01/23 23:00	3.37467	12.19256	3.1656	13.69348
05/01/23 00:00	3.99164	13.12256	3.44677	11.99691
05/01/23 01:00	3.54674	6.36717	2.28759	8.84492
05/01/23 02:00	2.45793	5.74864	1.40445	8.78153
05/01/23 03:00	3.17401	6.30573	0.8594	10.35214
05/01/23 04:00	5.22664	4.86791	1.46138	11.4757
05/01/23 05:00	5.43159	5.05346	2.75762	11.70943
05/01/23 06:00	8.43465	6.21024	3.39064	9.94994
05/01/23 07:00	14.10731	9.13349	6.6666	20.60472
05/01/23 08:00	22.15647	15.34595	14.92005	25.50652
05/01/23 09:00	25.0045	21.09205	14.60354	25.12992
05/01/23 10:00	22.70018	16.22143	9.46173	32.4568
05/01/23 11:00	15.18407	15.05726	7.43156	23.42621
05/01/23 12:00	14.62869	14.45642	6.74377	16.22373
05/01/23 13:00	11.10107	13.02205	7.60533	19.27984
05/01/23 14:00	14.06158	13.3485	6.97231	15.94378
05/01/23 15:00	10.59348	12.2818	6.57	19.23541
05/01/23 16:00	10.94921	12.74791	7.16982	15.05061
05/01/23 17:00	12.16192	13.48989	7.5411	13.10938
05/01/23 18:00	10.7326	11.6812	8.63768	12.55817
05/01/23 19:00	8.63006	9.45649	7.02493	11.28529
05/01/23 20:00	7.31541	7.78821	5.06464	7.7577
05/01/23 21:00	5.32965	5.98076	4.31776	6.44016
05/01/23 22:00	5.27656	5.19189	5.46479	6.01668
05/01/23 23:00	4.66596	5.19288	4.77269	4.55739
06/01/23 00:00	2.25546	3.52336	2.80592	4.46519
06/01/23 01:00	3.00024	2.28453	1.7418	4.44544
06/01/23 02:00	1.70472	3.76899	0.58426	6.01856
06/01/23 03:00	2.05474	5.00516	0.49201	5.40702
06/01/23 04:00	3.89503	2.64073	2.93448	5.17219
06/01/23 05:00	4.90392	3.75353	2.01196	7.09925
06/01/23 06:00	6.13149	6.85983	3.01794	7.85849
06/01/23 07:00	9.09845	12.69742	5.51313	13.40943
06/01/23 08:00	20.72096	20.37472	11.6171	20.04207
06/01/23 09:00	25.25223	24.00031	11.80161	24.51807
06/01/23 10:00	29.89679	18.0621	9.98733	23.6206
06/01/23 11:00	15.32527	11.48563	7.38451	15.7137
06/01/23 12:00	13.16647	10.78877	8.40148	19.14679
06/01/23 13:00	15.10131	No data	10.55841	16.79279
06/01/23 14:00	15.7798	11.76084	9.87091	12.89354
06/01/23 15:00	13.71555	14.50002	No data	11.76495
06/01/23 16:00	15.12588	18.2511	16.7744	17.72774
06/01/23 17:00	18.90629	19.362	23.01676	22.01426
06/01/23 18:00	19.16221	21.91598	17.15659	24.50758
06/01/23 19:00	17.71386	16.96181	16.42297	32.94162
06/01/23 20:00	9.44998	14.13289	8.46078	24.07343
06/01/23 21:00	5.67168	5.4672	5.37036	19.09073
06/01/23 22:00	3.99064	3.79881	3.99537	8.8318
06/01/23 23:00	3.73578	3.61362	2.93448	5.77506
07/01/23 00:00	2.81405	2.87284	2.07053	4.36323
07/01/23 01:00	2.32483	2.47164	1.83045	3.68913
07/01/23 02:00	2.20028	2.22437	0.95338	5.31622
07/01/23 03:00	2.41364	2.50255	0.90725	4.31273
07/01/23 04:00	2.15562	1.94619	1.00385	7.55071
07/01/23 05:00	2.05473	2.13164	1.01037	4.7312
07/01/23 06:00	2.25336	2.54865	1.60346	4.35875
07/01/23 07:00	2.5571	2.91874	2.06687	8.92561
07/01/23 08:00	3.22186	3.56756	2.42064	7.21828
07/01/23 09:00	3.88978	4.58567	3.43753	12.5369
07/01/23 10:00	5.27238	5.9294	4.76642	11.55912
07/01/23 11:00	6.60085	7.08714	5.23201	9.39396
07/01/23 12:00	8.89467	6.53105	5.14411	11.13551

07/01/23 13:00	11.55582	8.98805	5.32425	11.60578
07/01/23 14:00	15.94902	7.64269	6.74756	11.18153
07/01/23 15:00	10.38342	10.74608	6.01393	12.35668
07/01/23 16:00	9.91309	11.58333	7.08348	13.35012
07/01/23 17:00	9.04864	8.47805	7.22402	19.13816
07/01/23 18:00	6.54252	6.5793	3.94924	13.16111
07/01/23 19:00	6.33757	7.73515	5.23418	13.6832
07/01/23 20:00	8.0176	7.1823	5.51092	10.30094
07/01/23 21:00	7.60981	6.07039	3.8087	9.26298
07/01/23 22:00	5.82152	4.63393	2.99369	7.42853
07/01/23 23:00	4.24028	3.79992	3.48148	7.33263
08/01/23 00:00	3.22291	3.01228	2.19872	9.02237
08/01/23 01:00	2.45378	2.71874	1.49834	6.07894
08/01/23 02:00	2.31785	2.40967	1.32031	5.94636
08/01/23 03:00	3.02009	2.36331	0.99961	6.84835
08/01/23 04:00	2.35741	1.89997	0.58667	6.85298
08/01/23 05:00	2.50929	1.94606	0.62418	6.24148
08/01/23 06:00	2.41048	2.27059	1.46083	4.23023
08/01/23 07:00	5.19246	2.82691	1.31815	4.51317
08/01/23 08:00	8.16262	4.44791	2.69965	5.92578
08/01/23 09:00	4.85728	4.40155	3.30138	8.51218
08/01/23 10:00	4.55667	5.04791	6.42258	8.41653
08/01/23 11:00	5.727	7.59424	7.7558	10.06015
08/01/23 12:00	5.6844	6.15706	6.47301	11.75317
08/01/23 13:00	6.45007	5.50963	6.5877	11.89064
08/01/23 14:00	7.72654	7.2716	7.02217	14.71584
08/01/23 15:00	8.44333	6.90152	6.70147	14.48462
08/01/23 16:00	8.5369	10.09743	11.65892	15.3326
08/01/23 17:00	8.99253	23.43902	12.49126	19.19267
08/01/23 18:00	10.16077	16.02834	4.76866	19.1006
08/01/23 19:00	19.05379	13.43726	5.55704	22.25626
08/01/23 20:00	14.163	13.2529	5.64713	17.26885
08/01/23 21:00	10.16181	10.70442	7.7226	18.53682
08/01/23 22:00	12.19453	8.80364	12.97615	20.98787
08/01/23 23:00	16.17371	8.38694	13.02012	19.15253
09/01/23 00:00	26.41373	9.50039	9.23385	14.62904
09/01/23 01:00	8.78319	9.51477	7.15629	13.48733
09/01/23 02:00	6.74137	10.19468	3.57176	14.049
09/01/23 03:00	3.22088	10.79696	1.73124	11.94692
09/01/23 04:00	4.60976	8.15487	1.22818	11.42489
09/01/23 05:00	7.10133	6.48547	2.24494	23.00715
09/01/23 06:00	33.55834	10.05257	2.09167	16.08637
09/01/23 07:00	22.56066	17.46787	8.4519	17.73278
09/01/23 08:00	19.95579	40.13264	11.99032	21.51949
09/01/23 09:00	21.7556	39.55496	9.80992	31.1415
09/01/23 10:00	24.63947	31.14424	8.84354	23.36479
09/01/23 11:00	17.7191	27.09235	9.1749	23.88889
09/01/23 12:00	16.00364	22.6975	7.477	17.57439
09/01/23 13:00	11.43339	17.78711	7.45996	14.28219
09/01/23 14:00	11.22948	18.11776	5.54637	19.7525
09/01/23 15:00	12.59228	19.59718	6.55674	16.4973
09/01/23 16:00	14.98294	24.09464	8.48311	13.44113
09/01/23 17:00	16.249	31.49254	9.68008	21.53915
09/01/23 18:00	13.16345	29.14678	14.13237	16.03227
09/01/23 19:00	15.58318	25.4743	11.21193	15.65417
09/01/23 20:00	10.32221	20.79248	10.93095	10.10124
09/01/23 21:00	7.86701	21.72337	5.26753	11.51368
09/01/23 22:00	6.84645	25.33202	3.83569	10.85372
09/01/23 23:00	7.82334	25.59732	3.57815	9.15444
10/01/23 00:00	8.73882	12.45085	2.91969	6.89867
10/01/23 01:00	6.74424	18.08205	No data	6.95052
10/01/23 02:00	7.08963	16.67577	4.33486	7.88962
10/01/23 03:00	5.62309	7.83012	4.01827	12.16376
10/01/23 04:00	7.22416	5.51321	4.31184	12.40076
10/01/23 05:00	4.85843	4.63302	4.72058	13.62474
10/01/23 06:00	5.82907	5.46659	6.61771	11.09033
10/01/23 07:00	10.82797	9.96028	7.72032	12.12215
10/01/23 08:00	15.49184	16.7192	12.68413	25.98531
10/01/23 09:00	20.67794	17.46326	15.31493	35.6106
10/01/23 10:00	14.31209	15.14183	14.36096	25.38554
10/01/23 11:00	10.48775	12.73754	7.30526	19.02776
10/01/23 12:00	13.94478	12.54973	8.31773	14.42321
10/01/23 13:00	12.64957	12.87235	11.05737	18.28082
10/01/23 14:00	9.17272	10.74112	10.05965	20.06729
10/01/23 15:00	9.51814	10.27731	7.15637	20.6734
10/01/23 16:00	10.95381	10.74006	7.07046	13.5164
10/01/23 17:00	9.47859	10.09376	7.06413	9.94692
10/01/23 18:00	9.37352	9.53804	6.97822	8.7199
10/01/23 19:00	10.55015	8.28648	6.4646	9.70667
10/01/23 20:00	7.63302	7.96493	5.03075	9.33533
10/01/23 21:00	6.18799	7.77605	3.95345	9.33736
10/01/23 22:00	5.31618	8.42076	2.01019	6.3257
10/01/23 23:00	4.69823	9.07131	1.41066	7.79114
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11/01/23 15:00	12.09403	18.51816	5.9637	No data
11/01/23 16:00	16.63629	21.20334	9.16882	No data
11/01/23 17:00	18.89383	17.73046	11.01343	No data
11/01/23 18:00	18.18456	18.43207	13.22071	No data
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12/01/23 11:00	14.47156	13.70474	5.04562	No data
12/01/23 12:00	11.81855	11.24963	6.28655	No data
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12/01/23 18:00	9.81489	17.17714	5.17157	No data
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14/01/23 14:00	9.42463	16.36718	4.62267	No data
14/01/23 15:00	9.82636	14.47498	6.37279	No data
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14/01/23 17:00	9.66423	19.69961	5.68318	No data
14/01/23 18:00	9.20641	17.39917	3.74458	No data
14/01/23 19:00	9.40319	16.80323	3.43192	No data
14/01/23 20:00	8.18574	11.48124	3.05698	No data
14/01/23 21:00	6.34324	11.24719	2.59993	No data
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15/01/23 05:00	3.12727	1.62003	0.66563	No data
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15/01/23 19:00	25.46484	24.91707	19.54749	No data
15/01/23 20:00	22.10225	19.59256	9.87902	No data
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16/01/23 01:00	8.97464	6.36027	10.96417	No data
16/01/23 02:00	9.22923	6.42205	9.2236	No data
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16/01/23 04:00	14.48165	16.62557	5.42895	No data
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16/01/23 08:00	24.19636	32.68237	12.63404	No data
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16/01/23 20:00	67.83427	57.17498	37.16114	No data
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18/01/23 18:00	44.15458	49.66	31.27616	No data
18/01/23 19:00	42.72573	46.17912	25.87686	No data
18/01/23 20:00	47.47877	31.3138	24.5979	No data
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18/01/23 23:00	33.84957	32.78516	20.12254	No data
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19/01/23 11:00	30.3799	51.22174	20.8204	No data
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19/01/23 13:00	34.38795	32.65494	25.67082	No data
19/01/23 14:00	25.46806	32.13678	29.4029	No data
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19/01/23 20:00	56.66686	56.95757	28.85058	No data
19/01/23 21:00	47.16308	34.32187	21.04629	No data
19/01/23 22:00	34.30906	22.80042	14.61542	No data
19/01/23 23:00	22.0239	16.9639	13.69726	No data
20/01/23 00:00	13.12796	11.93005	7.9925	No data
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20/01/23 04:00	12.05938	9.39718	2.73747	No data
20/01/23 05:00	9.80689	17.57519	3.48257	No data
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20/01/23 07:00	33.51077	46.10462	10.51535	No data
20/01/23 08:00	55.16514	71.57009	18.23124	No data
20/01/23 09:00	56.81448	72.20222	36.14971	No data
20/01/23 10:00	48.75516	75.00557	30.28901	No data
20/01/23 11:00	40.79981	32.74119	25.84707	No data
20/01/23 12:00	37.69443	24.3687	25.84707	No data
20/01/23 13:00	22.01975	24.17062	17.40417	No data
20/01/23 14:00	22.80051	21.99823	13.82297	No data
20/01/23 15:00	26.81152	28.4796	12.79106	No data
20/01/23 16:00	29.12842	35.87514	20.44198	No data
20/01/23 17:00	43.33134	51.42008	29.92244	No data
20/01/23 18:00	66.64705	65.53705	44.29292	No data
20/01/23 19:00	74.80095	68.17083	47.00507	No data
20/01/23 20:00	70.40956	70.84181	42.58576	No data
20/01/23 21:00	63.26278	65.31155	31.1414	No data
20/01/23 22:00	65.468	71.26105	20.11742	No data
20/01/23 23:00	61.79345	71.6461	18.87658	No data
21/01/23 00:00	55.08387	65.35628	13.26147	No data
21/01/23 01:00	45.67901	71.47569	11.8862	No data
21/01/23 02:00	41.21887	55.39537	11.74978	No data
21/01/23 03:00	38.71625	47.97344	11.32374	No data
21/01/23 04:00	41.33169	44.45007	12.12732	No data
21/01/23 05:00	35.52843	39.59915	9.75093	No data
21/01/23 06:00	40.20879	49.29209	10.83854	No data
21/01/23 07:00	38.89334	46.1213	13.09793	No data
21/01/23 08:00	39.36957	41.69867	21.27131	No data
21/01/23 09:00	39.99621	45.27073	25.30456	No data
21/01/23 10:00	49.03911	50.25626	35.62416	No data
21/01/23 11:00	51.0306	58.77637	34.43635	No data
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21/01/23 13:00	52.87063	38.47064	44.74248	No data
21/01/23 14:00	46.47995	14.13854	23.74967	No data
21/01/23 15:00	55.92827	12.06814	12.37645	No data
21/01/23 16:00	57.41801	15.9627	13.46834	No data
21/01/23 17:00	58.7464	40.30968	32.33234	No data
21/01/23 18:00	48.69086	57.80304	41.66034	No data
21/01/23 19:00	51.75462	78.74225	45.37695	No data
21/01/23 20:00	62.12661	75.88913	39.16818	No data
21/01/23 21:00	54.5717	61.43741	31.43188	No data
21/01/23 22:00	45.2372	58.54356	25.6778	No data
21/01/23 23:00	43.38789	43.46307	22.45196	No data
22/01/23 00:00	38.74658	34.14448	19.35159	No data
22/01/23 01:00	36.85716	34.60314	18.54998	No data
22/01/23 02:00	33.67651	39.13335	21.4034	No data
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22/01/23 04:00	30.93722	35.73643	22.39161	No data
22/01/23 05:00	32.57564	26.98246	26.19514	No data
22/01/23 06:00	32.68245	22.12547	26.84166	No data
22/01/23 07:00	31.99913	32.65952	26.93445	No data
22/01/23 08:00	35.28215	35.96404	28.59562	No data

22/01/23 09:00	38.93643	38.02247	27.42486	No data
22/01/23 10:00	39.89885	30.2887	29.99123	No data
22/01/23 11:00	38.64248	23.11295	37.27745	No data
22/01/23 12:00	52.2526	20.61708	42.97259	No data
22/01/23 13:00	38.10898	22.18043	41.05895	No data
22/01/23 14:00	27.2266	22.42366	32.18162	No data
22/01/23 15:00	25.40342	26.17477	30.42827	No data
22/01/23 16:00	25.56497	25.81366	40.24776	No data
22/01/23 17:00	30.97504	36.82623	47.0915	No data
22/01/23 18:00	42.9463	35.81347	51.79105	No data
22/01/23 19:00	46.5394	33.45532	48.78582	No data
22/01/23 20:00	52.4442	32.57382	50.48377	No data
22/01/23 21:00	44.6313	31.8833	55.04327	No data
22/01/23 22:00	42.16593	27.6294	51.70258	No data
22/01/23 23:00	31.94458	28.83585	46.2379	No data
23/01/23 00:00	28.84394	21.71234	42.34037	No data
23/01/23 01:00	21.84206	15.12298	31.70258	No data
23/01/23 02:00	21.43182	17.9011	30.64178	No data
23/01/23 03:00	24.89738	16.52731	28.13214	No data
23/01/23 04:00	24.27958	15.36998	26.40714	No data
23/01/23 05:00	19.39701	17.77776	35.2825	No data
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23/01/23 07:00	46.60991	35.58263	44.53862	No data
23/01/23 08:00	50.77956	44.85237	41.20959	No data
23/01/23 09:00	49.4315	54.85969	49.21638	No data
23/01/23 10:00	47.19096	48.37168	52.6205	No data
23/01/23 11:00	47.71589	34.413	56.12223	No data
23/01/23 12:00	34.84825	25.40192	52.36831	No data
23/01/23 13:00	25.57425	23.37376	32.21723	No data
23/01/23 14:00	21.50161	21.06845	25.20022	No data
23/01/23 15:00	23.99045	21.63578	29.0687	No data
23/01/23 16:00	35.69929	29.60062	32.33674	No data
23/01/23 17:00	47.2414	48.20759	36.27499	No data
23/01/23 18:00	63.57474	58.60707	50.05817	No data
23/01/23 19:00	57.00828	51.07579	44.65633	No data
23/01/23 20:00	53.92169	54.5574	41.592	No data
23/01/23 21:00	59.24236	61.8606	43.38371	No data
23/01/23 22:00	51.59291	61.15951	36.89351	No data
23/01/23 23:00	41.77637	61.51919	28.2012	No data
24/01/23 00:00	36.62018	51.84493	23.77052	No data
24/01/23 01:00	34.65832	48.81767	20.21414	No data
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24/01/23 03:00	29.25851	40.89762	16.20964	No data
24/01/23 04:00	25.2153	37.92	16.48234	No data
24/01/23 05:00	32.08098	35.64654	18.12453	No data
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24/01/23 07:00	28.7719	43.32535	21.25868	No data
24/01/23 08:00	33.93817	51.6499	23.92516	No data
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24/01/23 10:00	56.25922	60.45199	35.17493	No data
24/01/23 11:00	73.57734	51.80303	48.30415	No data
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24/01/23 13:00	37.31872	41.34901	43.0477	No data
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24/01/23 15:00	48.89477	46.72461	38.52402	No data
24/01/23 16:00	54.90427	55.04699	40.41872	No data
24/01/23 17:00	62.09042	59.22483	41.51013	No data
24/01/23 18:00	72.13702	50.82517	41.2956	No data
24/01/23 19:00	75.04891	50.48765	45.41625	No data
24/01/23 20:00	69.54113	54.16926	36.32157	No data
24/01/23 21:00	67.61577	54.81361	42.16132	No data
24/01/23 22:00	61.36823	49.0574	44.47273	No data
24/01/23 23:00	51.34936	48.97037	38.05637	No data
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25/01/23 02:00	48.66347	26.84388	36.53246	No data
25/01/23 03:00	40.61791	20.8743	36.39232	No data
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25/01/23 05:00	19.34578	27.44595	25.80408	No data
25/01/23 06:00	17.5697	24.75457	21.03095	No data
25/01/23 07:00	26.9083	26.35852	21.41182	No data
25/01/23 08:00	39.62994	32.19834	27.06525	No data
25/01/23 09:00	46.27571	34.06114	32.77023	No data
25/01/23 10:00	44.9763	30.40098	32.81183	No data
25/01/23 11:00	33.95212	29.2133	26.38271	No data
25/01/23 12:00	28.11507	36.07001	21.78353	No data
25/01/23 13:00	30.82893	40.11677	25.96247	No data
25/01/23 14:00	29.38276	42.96694	24.50807	No data
25/01/23 15:00	33.12918	40.59159	26.30121	No data
25/01/23 16:00	36.92835	45.15819	28.86602	No data
25/01/23 17:00	39.35667	46.43896	30.51432	No data
25/01/23 18:00	36.17761	29.75917	28.10771	No data
25/01/23 19:00	23.48615	31.32022	31.69287	No data
25/01/23 20:00	18.93879	26.25617	14.46199	No data
25/01/23 21:00	19.24477	32.55241	12.66996	No data
25/01/23 22:00	21.28459	32.49637	13.63244	No data
25/01/23 23:00	17.29331	32.46563	12.99434	No data
26/01/23 00:00	16.27438	31.77979	8.86438	No data
26/01/23 01:00	16.3267	25.96555	7.06708	No data

26/01/23 02:00	16.05471	15.48719	6.74098	13.66183
26/01/23 03:00	15.45878	16.56527	7.11492	10.38391
26/01/23 04:00	13.82786	24.80462	5.7324	11.15608
26/01/23 05:00	15.92647	26.56802	4.44556	14.70559
26/01/23 06:00	16.84151	28.03788	8.50314	19.62078
26/01/23 07:00	31.02863	31.49662	14.24256	19.58209
26/01/23 08:00	44.72032	42.44563	18.62975	29.82174
26/01/23 09:00	51.42353	49.2856	19.13316	38.54769
26/01/23 10:00	38.06882	43.85746	13.88969	34.25405
26/01/23 11:00	28.51694	39.67431	10.53961	28.97277
26/01/23 12:00	24.88067	30.30615	8.5207	28.72853
26/01/23 13:00	25.21956	28.04816	9.38751	27.31855
26/01/23 14:00	24.37326	31.13212	9.80753	24.44965
26/01/23 15:00	23.58118	28.92091	10.17972	24.56756
26/01/23 16:00	24.44037	44.94722	12.83854	29.66234
26/01/23 17:00	31.07479	67.59311	14.91232	36.77107
26/01/23 18:00	28.19184	44.84591	17.6791	28.12305
26/01/23 19:00	32.28417	50.78	14.59148	34.05147
26/01/23 20:00	30.39923	37.40508	12.88813	33.56784
26/01/23 21:00	24.44873	26.87474	7.20006	25.82709
26/01/23 22:00	15.00853	35.56624	7.51914	35.48872
26/01/23 23:00	19.24223	37.00116	5.54982	35.94264
27/01/23 00:00	22.03929	31.13804	4.49691	30.02188
27/01/23 01:00	18.82882	24.74336	8.12528	18.68855
27/01/23 02:00	9.65223	13.39013	10.43804	12.741
27/01/23 03:00	11.16589	12.35617	7.75836	7.95984
27/01/23 04:00	8.86716	16.56805	5.0378	7.27158
27/01/23 05:00	8.21292	42.66434	3.66054	12.17124
27/01/23 06:00	12.0841	46.64232	5.94383	9.59355
27/01/23 07:00	20.29886	40.98528	11.32674	17.41455
27/01/23 08:00	34.05313	60.66715	14.8577	30.43224
27/01/23 09:00	44.12396	81.91018	28.62851	40.04477
27/01/23 10:00	33.43833	61.56761	24.19078	34.23138
27/01/23 11:00	31.1506	45.67203	14.21949	28.90104
27/01/23 12:00	23.11585	39.00919	11.74841	31.47301
27/01/23 13:00	18.19703	19.55306	12.65271	32.75568
27/01/23 14:00	14.47414	27.14246	7.79577	36.1634
27/01/23 15:00	18.10244	51.5484	9.8147	30.76466
27/01/23 16:00	26.50729	41.98707	9.03825	38.81391
27/01/23 17:00	36.13886	48.35152	16.21314	36.86456
27/01/23 18:00	53.82811	54.84605	25.75164	40.68435
27/01/23 19:00	50.43994	41.95542	26.14457	39.61777
27/01/23 20:00	29.99148	40.9896	19.54244	37.93501
27/01/23 21:00	28.96309	28.77955	16.05929	51.3159
27/01/23 22:00	25.89903	62.63997	10.92934	57.27513
27/01/23 23:00	32.99541	76.53014	9.3092	48.27913
28/01/23 00:00	38.96881	69.38803	9.36833	54.07225
28/01/23 01:00	32.74028	47.37226	12.23772	45.48233
28/01/23 02:00	38.15902	28.93202	9.27388	40.5725
28/01/23 03:00	43.94984	24.5241	12.49261	30.34332
28/01/23 04:00	36.80655	26.41655	11.11364	37.83105
28/01/23 05:00	28.09151	29.88859	10.33542	28.46294
28/01/23 06:00	39.96483	34.21067	13.91766	19.40118
28/01/23 07:00	23.55056	31.34718	20.85174	17.86208
28/01/23 08:00	28.56886	33.79018	28.06558	29.7519
28/01/23 09:00	34.24572	35.85755	21.88748	29.71295
28/01/23 10:00	34.97684	27.53028	27.71196	33.31383
28/01/23 11:00	32.24248	24.43124	20.77814	27.13488
28/01/23 12:00	29.7489	26.5387	18.60568	26.71427
28/01/23 13:00	32.78374	22.94878	22.80052	27.95719
28/01/23 14:00	31.73583	24.06253	26.52942	31.40251
28/01/23 15:00	39.30123	30.39807	25.25801	30.56909
28/01/23 16:00	37.79327	31.93495	25.09752	38.37519
28/01/23 17:00	48.04828	43.22068	31.2601	44.98768
28/01/23 18:00	42.10802	42.96367	29.55027	42.78327
28/01/23 19:00	41.73016	39.31957	33.7018	41.96151
28/01/23 20:00	41.38037	38.11083	25.00391	25.17679
28/01/23 21:00	36.16875	40.90728	21.45881	28.85553
28/01/23 22:00	33.3758	37.2782	17.70976	25.71311
28/01/23 23:00	31.44919	32.50078	16.50826	23.94606
29/01/23 00:00	25.75589	30.57111	14.31868	17.269
29/01/23 01:00	17.52413	21.3408	6.64071	13.24169
29/01/23 02:00	9.68592	8.07873	4.90159	13.77888
29/01/23 03:00	12.1933	6.47309	3.51757	13.97957
29/01/23 04:00	12.9033	5.64193	4.85551	16.57176
29/01/23 05:00	12.14729	5.22695	4.11658	17.41149
29/01/23 06:00	12.3936	6.29123	4.62005	10.43631
29/01/23 07:00	15.89876	6.89329	4.75997	12.57211
29/01/23 08:00	19.53706	8.83645	8.3849	14.11795
29/01/23 09:00	16.52859	12.30209	9.34071	14.25243
29/01/23 10:00	18.36465	16.54239	14.50908	12.97806
29/01/23 11:00	19.35431	15.80548	12.40257	8.3461
29/01/23 12:00	12.89145	14.26188	8.69224	7.39221
29/01/23 13:00	12.92235	10.38862	6.40356	7.39024
29/01/23 14:00	10.94304	12.37664	6.99244	9.15978
29/01/23 15:00	9.25558	12.9336	6.35918	7.66439
29/01/23 16:00	11.02286	15.93985	10.88031	12.06492
29/01/23 17:00	13.30959	21.26627	9.76385	12.47606
29/01/23 18:00	12.79664	25.15804	6.83009	13.75277

29/01/23 19:00	12.9672	23.91	5.22751	12.70713
29/01/23 20:00	11.52686	16.09677	4.25312	13.75438
29/01/23 21:00	11.3742	9.48077	4.90666	13.02886
29/01/23 22:00	9.28613	9.01735	5.77368	9.6668
29/01/23 23:00	8.67954	7.67815	3.06186	8.89782
30/01/23 00:00	8.06156	4.76401	2.42184	7.71699
30/01/23 01:00	6.0538	4.68577	2.28377	4.95196
30/01/23 02:00	3.46788	2.95947	1.31952	8.09849
30/01/23 03:00	3.41093	2.31218	1.87409	12.69158
30/01/23 04:00	3.81699	1.70993	0.76328	12.10077
30/01/23 05:00	5.3441	2.03373	0.72053	11.37297
30/01/23 06:00	6.8173	6.75091	2.56522	9.42844
30/01/23 07:00	16.80346	11.69506	4.95282	12.27923
30/01/23 08:00	35.74897	17.73864	9.2145	25.09407
30/01/23 09:00	29.36803	25.16034	14.71021	24.15104
30/01/23 10:00	28.80424	18.59907	10.53902	20.01764
30/01/23 11:00	13.039	14.76331	13.2508	16.25742
30/01/23 12:00	9.51342	17.16194	10.50628	19.32973
30/01/23 13:00	10.68303	14.81243	8.19583	15.43554
30/01/23 14:00	11.80255	13.2853	8.33239	14.53495
30/01/23 15:00	13.2287	17.70988	8.48062	16.89113
30/01/23 16:00	17.64527	22.42046	8.56777	21.20263
30/01/23 17:00	35.22141	48.18942	15.02941	26.91587
30/01/23 18:00	56.6071	54.62493	27.85719	26.22849
30/01/23 19:00	43.37078	54.22546	38.39631	26.46982
30/01/23 20:00	31.60995	58.83951	42.26571	24.02786
30/01/23 21:00	34.09945	43.27913	40.52474	32.69305
30/01/23 22:00	26.56945	38.89518	33.74697	24.89423
30/01/23 23:00	21.1404	21.23332	12.8578	25.03386
31/01/23 00:00	14.06198	14.84873	10.59252	16.27918
31/01/23 01:00	11.942	6.90822	6.41518	14.49124
31/01/23 02:00	7.7421	6.29137	No data	8.1484
31/01/23 03:00	7.99595	3.83812	2.98381	7.46896
31/01/23 04:00	9.41669	5.08648	3.47197	5.65718
31/01/23 05:00	8.75891	5.78197	6.97355	4.79616
31/01/23 06:00	12.73609	8.41826	6.28245	11.63918
31/01/23 07:00	21.81338	11.28668	10.27603	19.51853
31/01/23 08:00	27.89462	19.19483	16.33304	20.78417
31/01/23 09:00	40.77322	30.46465	20.72977	22.41141
31/01/23 10:00	31.29153	32.23198	13.618	18.05159
31/01/23 11:00	13.22111	15.63669	7.47706	15.8275
31/01/23 12:00	9.60533	10.65332	7.2829	12.16142
31/01/23 13:00	9.69915	10.19607	6.64281	11.70329
31/01/23 14:00	7.298	11.52763	5.63577	13.15993
31/01/23 15:00	8.01653	11.67329	7.98223	14.06347
31/01/23 16:00	9.28269	16.71138	9.51088	18.73277
31/01/23 17:00	15.63618	23.17618	19.18466	19.91304
31/01/23 18:00	29.83176	39.65504	15.65181	18.33948
31/01/23 19:00	35.54735	44.63677	19.4249	20.51529
31/01/23 20:00	22.41182	43.11405	13.84837	24.00276
31/01/23 21:00	13.7361	31.08419	9.31178	20.78557
31/01/23 22:00	8.9565	21.95944	7.28948	18.25026
31/01/23 23:00	7.58587	13.72236	4.30787	12.45228
01/02/23 00:00	6.36556	14.04895	2.19178	10.5051
01/02/23 01:00	5.49834	8.57029	2.6825	8.44156
01/02/23 02:00	3.7283	4.68364	1.17838	4.82113
01/02/23 03:00	3.51176	3.92976	1.36428	7.00648
01/02/23 04:00	3.61924	4.11536	1.7773	8.36345
01/02/23 05:00	2.95383	8.37236	1.63747	7.32185
01/02/23 06:00	3.46558	10.40702	1.54857	4.65693
01/02/23 07:00	7.93559	12.52935	4.30311	7.00854
01/02/23 08:00	13.90849	20.04975	7.47717	13.20276
01/02/23 09:00	20.37012	25.68714	9.76775	16.04386
01/02/23 10:00	22.05444	22.39908	8.60947	16.72346
01/02/23 11:00	11.21909	20.87263	6.82567	13.59728
01/02/23 12:00	11.71966	20.63841	6.09015	15.36408
01/02/23 13:00	14.5739	16.15743	8.65716	20.64351
01/02/23 14:00	16.10127	15.37199	8.38885	21.36957
01/02/23 15:00	14.0582	15.69319	7.2945	22.54984
01/02/23 16:00	15.73199	18.73423	7.79317	21.63969
01/02/23 17:00	18.12328	24.09927	14.41121	24.13495
01/02/23 18:00	20.95647	23.52434	13.44371	17.72463
01/02/23 19:00	19.76142	22.27582	8.84794	16.27853
01/02/23 20:00	11.13608	17.05638	5.13077	15.10617
01/02/23 21:00	8.34183	19.22012	4.49714	12.79551
01/02/23 22:00	6.9701	14.14	3.71068	9.63061
01/02/23 23:00	4.93756	11.22664	2.23964	10.03631
02/02/23 00:00	4.07297	7.95324	1.69165	5.92031
02/02/23 01:00	3.12526	4.746	1.64408	4.57468
02/02/23 02:00	3.12526	4.06597	0.99111	3.97393
02/02/23 03:00	2.49436	3.28065	0.90697	3.33978
02/02/23 04:00	3.56303	5.96497	1.3216	9.20911
02/02/23 05:00	5.2479	9.66377	1.82996	12.32191
02/02/23 06:00	3.45972	10.03471	2.00623	5.68975
02/02/23 07:00	7.47339	24.92249	3.57579	9.70537
02/02/23 08:00	17.14879	31.35188	8.48438	27.59348
02/02/23 09:00	24.62279	50.41406	10.40968	55.46546
02/02/23 10:00	25.90716	34.22876	8.43031	51.3063
02/02/23 11:00	20.97705	26.46021	5.35808	19.94812

02/02/23 12:00	11.75411	21.65852	5.86804	15.43217
02/02/23 13:00	10.3828	17.4564	8.34938	13.7176
02/02/23 14:00	12.52679	18.38434	8.39064	14.39192
02/02/23 15:00	11.04248	19.52611	6.70049	16.66218
02/02/23 16:00	12.8711	22.99235	9.13576	22.75814
02/02/23 17:00	17.2986	23.74557	10.5527	17.42688
02/02/23 18:00	12.15583	20.50033	8.90221	13.27737
02/02/23 19:00	12.19325	14.7855	6.74816	13.81595
02/02/23 20:00	10.97477	12.89421	5.82998	11.65132
02/02/23 21:00	8.38498	13.72334	4.07615	13.23506
02/02/23 22:00	7.37009	14.47194	3.1167	9.89207
02/02/23 23:00	8.38134	11.74689	2.19531	8.40159
03/02/23 00:00	4.7247	8.09229	1.78389	9.44134
03/02/23 01:00	2.30396	4.74693	No data	10.70372
03/02/23 02:00	2.49358	3.57547	1.33656	8.05365
03/02/23 03:00	1.98539	5.82369	1.13115	6.89961
03/02/23 04:00	3.05138	4.48576	1.32173	5.72614
03/02/23 05:00	2.39161	5.17901	0.99453	5.68134
03/02/23 06:00	4.87467	5.9639	1.18511	4.72668
03/02/23 07:00	8.53068	12.11269	3.71091	7.53232
03/02/23 08:00	15.56281	25.24534	5.45199	11.05041
03/02/23 09:00	25.16557	32.37296	8.85148	20.60206
03/02/23 10:00	14.54587	34.033	8.48295	26.72722
03/02/23 11:00	13.43083	26.08029	7.8459	23.66247
03/02/23 12:00	13.27815	17.16148	8.47663	19.7355
03/02/23 13:00	10.88765	14.3988	10.26851	22.75629
03/02/23 14:00	11.69843	17.0293	6.09693	18.96072
03/02/23 15:00	14.07287	19.76109	7.10093	17.62207
03/02/23 16:00	17.01175	22.77054	8.89439	16.4541
03/02/23 17:00	18.58372	24.37236	11.88718	18.84201
03/02/23 18:00	25.18082	23.96734	15.42961	26.87849
03/02/23 19:00	25.87578	22.97334	12.25414	28.2803
03/02/23 20:00	25.7716	45.20371	13.5456	22.51087
03/02/23 21:00	27.85342	38.72294	16.01269	24.76538
03/02/23 22:00	19.63087	40.4389	13.9681	24.62631
03/02/23 23:00	9.43623	34.92653	11.67106	22.72702
04/02/23 00:00	9.64128	23.4444	14.29688	22.14245
04/02/23 01:00	7.1711	18.07078	12.5938	22.34155
04/02/23 02:00	5.7536	18.3808	10.74497	20.65982
04/02/23 03:00	6.65267	20.26272	5.23118	18.28348
04/02/23 04:00	5.78672	15.31176	4.9579	20.12105
04/02/23 05:00	7.47598	13.78172	2.65309	21.91191
04/02/23 06:00	6.75351	10.63662	2.51178	11.98291
04/02/23 07:00	10.2459	17.75292	3.16136	8.91891
04/02/23 08:00	18.66609	25.50269	4.99462	12.24925
04/02/23 09:00	30.3494	25.55444	6.28133	16.7486
04/02/23 10:00	24.00227	27.89667	10.99333	22.38455
04/02/23 11:00	19.99562	28.40889	11.06431	17.74635
04/02/23 12:00	22.93965	23.75451	9.27089	16.48341
04/02/23 13:00	18.8412	23.80239	11.6507	12.74525
04/02/23 14:00	16.80375	23.19785	8.26057	14.63053
04/02/23 15:00	19.94746	21.82306	10.41784	14.18668
04/02/23 16:00	21.81933	23.6663	12.30184	17.51916
04/02/23 17:00	23.1318	21.72891	15.0978	19.19206
04/02/23 18:00	23.93453	24.4156	14.92444	19.77525
04/02/23 19:00	21.45408	26.632	17.35966	27.38877
04/02/23 20:00	22.15998	25.98187	15.88869	26.89179
04/02/23 21:00	22.46151	25.0598	9.68859	26.98605
04/02/23 22:00	20.99351	24.73427	8.12549	25.274
04/02/23 23:00	14.40055	20.47264	6.05879	22.9146
05/02/23 00:00	6.8975	10.90217	4.86421	21.25749
05/02/23 01:00	5.6761	13.18293	2.78989	21.76872
05/02/23 02:00	7.69856	14.22964	2.2878	24.92297
05/02/23 03:00	13.12838	12.06379	3.75721	29.80821
05/02/23 04:00	13.27714	14.38304	2.2402	23.51383
05/02/23 05:00	11.60478	14.79926	2.88201	24.0359
05/02/23 06:00	8.76778	12.53104	3.93532	15.11754
05/02/23 07:00	12.83086	19.87963	7.68639	9.98406
05/02/23 08:00	20.83369	29.17913	8.61072	14.08229
05/02/23 09:00	20.93992	27.69413	13.29072	20.51027
05/02/23 10:00	18.62549	30.90323	16.11285	17.89665
05/02/23 11:00	16.34955	36.48964	14.44078	15.73078
05/02/23 12:00	12.08077	17.08565	8.4756	11.64259
05/02/23 13:00	9.03762	14.36491	10.57761	10.15814
05/02/23 14:00	8.57424	18.15239	6.6469	19.95775
05/02/23 15:00	10.95641	17.69829	8.5232	20.86264
05/02/23 16:00	13.69033	20.2015	7.02	24.36916
05/02/23 17:00	16.21811	14.70513	12.21438	34.27339
05/02/23 18:00	48.01676	35.21398	35.92155	43.91189
05/02/23 19:00	63.63647	68.09219	31.177	56.18537
05/02/23 20:00	62.9569	68.19884	28.35029	64.5797
05/02/23 21:00	54.56241	70.45783	29.42987	63.8161
05/02/23 22:00	43.02175	61.69453	23.40938	59.35043
05/02/23 23:00	44.91071	55.83615	16.25106	57.7479
06/02/23 00:00	34.16395	53.14952	14.44077	55.02016
06/02/23 01:00	27.53094	46.68344	14.10582	52.39128
06/02/23 02:00	27.46533	34.60036	17.13797	50.65865
06/02/23 03:00	33.66808	29.98577	15.9657	48.7808
06/02/23 04:00	26.54734	38.48928	13.62085	47.23113

06/02/23 05:00	23.82727	38.27821	15.20249	47.07235
06/02/23 06:00	22.97264	37.17878	10.36864	46.5058
06/02/23 07:00	26.70792	48.36722	20.22402	46.08972
06/02/23 08:00	40.62582	53.33157	25.39872	52.47314
06/02/23 09:00	27.26251	58.25244	32.57495	55.9394
06/02/23 10:00	30.67466	48.51839	37.81571	49.71373
06/02/23 11:00	46.47595	36.90421	55.79521	46.60755
06/02/23 12:00	28.47136	23.39018	35.92776	40.74496
06/02/23 13:00	16.23998	19.66021	19.48879	32.38997
06/02/23 14:00	19.6864	16.52566	11.95986	30.95189
06/02/23 15:00	20.08244	18.51994	10.5977	37.25216
06/02/23 16:00	24.99029	24.11776	16.61049	30.22251
06/02/23 17:00	35.46301	36.69764	27.12364	33.96407
06/02/23 18:00	65.29739	62.868	50.5911	58.35821
06/02/23 19:00	53.74454	66.19978	45.37309	56.93226
06/02/23 20:00	55.302	65.22217	37.46543	58.33686
06/02/23 21:00	45.92098	61.23418	35.50937	59.46865
06/02/23 22:00	39.26084	58.61421	32.3913	60.97184
06/02/23 23:00	42.55065	60.30226	30.42408	57.16748
07/02/23 00:00	43.63633	63.96366	26.76306	56.33402
07/02/23 01:00	33.99515	55.48209	26.71833	55.91114
07/02/23 02:00	34.81058	46.66619	24.83186	52.42659
07/02/23 03:00	34.67491	41.22148	19.0392	52.1289
07/02/23 04:00	27.20415	39.84112	16.24636	46.26406
07/02/23 05:00	29.95092	36.5966	19.39723	42.51549
07/02/23 06:00	24.14877	36.18657	17.11401	44.75366
07/02/23 07:00	29.51216	45.66861	18.06785	44.49869
07/02/23 08:00	29.59085	51.68503	19.53992	49.49392
07/02/23 09:00	27.039	70.98817	29.22395	53.09622
07/02/23 10:00	37.53366	70.77608	28.01905	61.03537
07/02/23 11:00	49.46602	62.93938	32.58517	60.4195
07/02/23 12:00	52.53129	56.25774	49.64004	44.23686
07/02/23 13:00	41.8769	30.3592	37.81612	45.96605
07/02/23 14:00	27.16254	18.27057	33.69467	43.54074
07/02/23 15:00	23.03874	20.64084	27.47424	31.82515
07/02/23 16:00	32.50401	36.70431	27.7448	29.1579
07/02/23 17:00	44.67727	70.83267	45.58364	38.88808
07/02/23 18:00	69.78575	82.74276	52.90569	69.28908
07/02/23 19:00	69.74364	84.13395	53.75397	72.68118
07/02/23 20:00	61.02422	68.54915	38.67425	80.33069
07/02/23 21:00	46.82801	65.42923	35.80504	76.09252
07/02/23 22:00	41.7231	66.80297	35.06062	68.48903
07/02/23 23:00	37.57854	55.84737	24.67496	62.9514
08/02/23 00:00	35.49979	50.43728	21.45151	60.45236
08/02/23 01:00	29.7862	45.56406	17.48517	57.93152
08/02/23 02:00	30.65947	37.96483	15.6084	53.03228
08/02/23 03:00	31.77788	35.88475	14.04378	52.19508
08/02/23 04:00	25.31759	35.24874	19.18565	48.44719
08/02/23 05:00	25.07202	32.60252	14.6231	46.46046
08/02/23 06:00	24.92914	32.33805	13.20102	42.65901
08/02/23 07:00	27.76698	40.19625	19.43867	39.50546
08/02/23 08:00	34.7859	52.93019	37.34289	44.0338
08/02/23 09:00	35.7196	56.85976	44.8823	46.68124
08/02/23 10:00	35.09954	48.46713	47.86735	44.41441
08/02/23 11:00	28.49397	25.72038	41.92591	40.41286
08/02/23 12:00	23.65428	24.53467	28.40731	35.54589
08/02/23 13:00	21.67306	21.73022	27.44893	28.24251
08/02/23 14:00	22.93598	23.94703	No data	29.00238
08/02/23 15:00	20.85193	21.4673	21.09509	22.79397
08/02/23 16:00	23.82899	25.86911	24.41756	32.52029
08/02/23 17:00	32.11213	31.56559	31.06986	41.9378
08/02/23 18:00	39.60567	42.46638	51.67051	41.36271
08/02/23 19:00	39.23959	40.10811	51.25211	45.92071
08/02/23 20:00	34.02986	36.40935	51.57494	36.83256
08/02/23 21:00	50.23788	36.61667	40.16205	30.93002
08/02/23 22:00	52.61582	32.93346	32.56607	31.24238
08/02/23 23:00	44.05012	26.93403	23.86869	29.58239
09/02/23 00:00	36.46613	29.50117	21.15524	25.6867
09/02/23 01:00	30.90789	16.88793	16.35999	27.63826
09/02/23 02:00	33.00527	13.80958	11.42987	26.31846
09/02/23 03:00	18.8371	15.30448	10.55513	22.81751
09/02/23 04:00	17.47842	15.81201	14.61793	24.25476
09/02/23 05:00	18.13118	15.90674	16.83853	23.03459
09/02/23 06:00	19.14054	27.63647	18.75184	21.47439
09/02/23 07:00	36.02762	45.87954	30.41871	40.47081
09/02/23 08:00	57.20269	57.63332	33.00065	52.67886
09/02/23 09:00	62.08595	69.17816	38.89609	55.88436
09/02/23 10:00	57.98729	62.04669	25.27198	53.14467
09/02/23 11:00	31.45004	29.56052	10.53041	27.23367
09/02/23 12:00	22.04168	22.22871	5.6375	19.5838
09/02/23 13:00	18.60382	15.03347	8.3037	16.99231
09/02/23 14:00	14.10246	15.54343	7.11947	17.30186
09/02/23 15:00	14.9118	16.51773	8.9233	20.16678
09/02/23 16:00	15.91801	25.50494	13.75168	23.52131
09/02/23 17:00	31.02983	42.19779	37.96529	33.28736
09/02/23 18:00	67.20676	81.91229	62.48749	37.72602
09/02/23 19:00	82.29021	84.06587	66.59469	35.39731
09/02/23 20:00	76.90232	81.14382	66.51814	30.4384
09/02/23 21:00	73.14816	80.64784	63.1833	37.78084

09/02/23 22:00	61.95942	76.40208	48.30361	61.10658
09/02/23 23:00	59.27992	71.44655	52.66411	44.36421
10/02/23 00:00	41.57912	69.38137	46.71037	46.5816
10/02/23 01:00	41.39112	64.47395	41.33915	39.15468
10/02/23 02:00	40.5112	49.16314	39.12226	29.02394
10/02/23 03:00	31.0357	45.42401	34.96163	33.87903
10/02/23 04:00	24.42591	38.9725	25.46853	40.24759
10/02/23 05:00	26.20067	31.99268	19.78113	31.68527
10/02/23 06:00	40.68368	24.13596	28.93423	37.23691
10/02/23 07:00	47.99567	32.3077	39.33668	40.67647
10/02/23 08:00	53.14381	48.94255	62.32705	50.6979
10/02/23 09:00	64.7909	33.24927	60.56883	39.35887
10/02/23 10:00	50.91164	29.45169	26.37353	23.68407
10/02/23 11:00	45.17431	27.89213	16.62708	26.40903
10/02/23 12:00	31.69694	22.56043	15.42383	20.90003
10/02/23 13:00	21.92351	24.77611	14.43714	17.64192
10/02/23 14:00	20.50176	28.99482	10.65253	18.98481
10/02/23 15:00	24.74105	27.90134	11.63382	26.01142
10/02/23 16:00	28.57651	28.96939	20.04627	26.04867
10/02/23 17:00	30.90114	38.34729	22.49304	24.36038
10/02/23 18:00	30.23413	36.13774	19.02023	28.96555
10/02/23 19:00	28.36399	28.52041	20.80774	26.33139
10/02/23 20:00	26.90018	34.80574	32.7952	23.33298
10/02/23 21:00	24.4777	32.39452	32.48667	13.81313
10/02/23 22:00	17.362	26.51563	18.95254	13.94537
10/02/23 23:00	16.50252	31.92275	11.0615	15.82573
11/02/23 00:00	17.51279	21.48841	16.27302	17.1194
11/02/23 01:00	14.65722	23.59044	10.49625	16.60484
11/02/23 02:00	11.85201	11.27987	7.12877	14.75456
11/02/23 03:00	8.77636	11.83375	4.12284	14.45097
11/02/23 04:00	9.63407	11.73449	5.20438	12.66271
11/02/23 05:00	8.62677	13.49123	7.03354	17.6472
11/02/23 06:00	7.91894	17.42424	8.06554	9.64266
11/02/23 07:00	12.50748	25.69903	7.85445	12.17472
11/02/23 08:00	22.54713	30.70608	19.53295	15.44695
11/02/23 09:00	23.20232	37.3518	16.0323	22.88961
11/02/23 10:00	21.84319	30.60869	11.4803	19.9057
11/02/23 11:00	17.35494	21.99467	7.67926	17.04815
11/02/23 12:00	13.97663	15.68372	6.59384	16.5077
11/02/23 13:00	15.79218	17.35165	7.31255	15.65868
11/02/23 14:00	17.15242	17.6826	10.88467	15.2643
11/02/23 15:00	15.89121	20.9622	13.39072	19.85809
11/02/23 16:00	16.69585	24.93515	20.26143	23.88323
11/02/23 17:00	25.82099	22.77085	28.06171	27.98757
11/02/23 18:00	33.23168	46.08867	27.87331	24.60104
11/02/23 19:00	42.36377	58.6702	30.74532	31.60641
11/02/23 20:00	39.18255	69.96774	30.00255	32.72537
11/02/23 21:00	39.53549	66.31235	30.17495	28.07985
11/02/23 22:00	38.72877	69.18231	26.49781	38.74639
11/02/23 23:00	33.58184	55.41638	36.15777	37.67637
12/02/23 00:00	27.78891	69.90821	29.96524	31.8737
12/02/23 01:00	19.8187	72.0618	17.16904	25.55416
12/02/23 02:00	14.86324	60.12248	19.16562	14.38667
12/02/23 03:00	9.47263	37.40318	21.03662	35.90591
12/02/23 04:00	9.3716	29.40308	22.82871	40.66081
12/02/23 05:00	8.31361	20.01873	21.0426	29.87037
12/02/23 06:00	10.43019	15.90295	19.02135	15.68994
12/02/23 07:00	10.98451	11.37157	20.20648	21.31711
12/02/23 08:00	14.05901	17.10458	18.27469	25.81829
12/02/23 09:00	15.82334	12.11027	26.07077	49.55846
12/02/23 10:00	17.38613	9.61279	29.93663	40.80433
12/02/23 11:00	15.27024	9.33356	22.44562	29.0098
12/02/23 12:00	13.25443	8.40749	11.88461	24.14783
12/02/23 13:00	13.55778	9.00916	13.26338	18.09623
12/02/23 14:00	9.72708	9.70464	13.08045	19.2098
12/02/23 15:00	11.69199	10.30524	13.78161	24.10597
12/02/23 16:00	14.41301	11.18484	15.79811	21.65463
12/02/23 17:00	15.92367	11.28015	13.99038	21.30366
12/02/23 18:00	17.53545	14.79469	13.41082	28.74184
12/02/23 19:00	20.15675	16.41213	13.7737	29.60466
12/02/23 20:00	12.84987	14.70024	20.38308	26.52239
12/02/23 21:00	13.15139	15.48757	22.23404	24.01978
12/02/23 22:00	14.2092	13.08302	16.57009	26.19709
12/02/23 23:00	12.39562	13.0372	12.89154	32.26951
13/02/23 00:00	5.94563	6.8873	7.17048	23.89506
13/02/23 01:00	5.63926	5.60837	9.78991	21.1889
13/02/23 02:00	5.08526	7.2113	3.94404	11.10158
13/02/23 03:00	4.48108	5.68574	6.32279	15.13256
13/02/23 04:00	5.03499	5.08432	5.5534	8.05431
13/02/23 05:00	6.44467	6.37858	5.0835	9.39022
13/02/23 06:00	8.45879	6.88686	5.78893	19.67691
13/02/23 07:00	12.88991	10.16757	6.96192	16.82788
13/02/23 08:00	20.09345	16.21812	9.31843	30.46832
13/02/23 09:00	19.54008	17.27342	10.83849	26.20786
13/02/23 10:00	17.02205	13.99186	8.26242	21.00585
13/02/23 11:00	15.66229	9.46271	9.51886	20.85883
13/02/23 12:00	12.89249	7.56854	8.9733	17.83513
13/02/23 13:00	13.59762	8.16266	10.34244	19.28836
13/02/23 14:00	16.82122	9.96434	13.31391	16.27617

13/02/23 15:00	18.28091	12.32226	13.72494	23.791
13/02/23 16:00	18.07827	16.53112	17.91388	25.87395
13/02/23 17:00	23.36511	24.11553	29.83062	34.40095
13/02/23 18:00	38.37057	45.73355	56.17381	50.67641
13/02/23 19:00	59.15598	55.20344	61.41361	55.09759
13/02/23 20:00	45.43844	60.4633	64.84284	54.51782
13/02/23 21:00	40.28925	50.8111	55.64605	53.97438
13/02/23 22:00	33.84094	46.03055	51.26886	47.46165
13/02/23 23:00	29.31064	45.61755	52.46362	48.47934
14/02/23 00:00	33.43907	44.54251	49.62789	42.31216
14/02/23 01:00	33.40673	34.37971	37.23549	41.01763
14/02/23 02:00	19.18565	16.82516	25.06396	40.18217
14/02/23 03:00	18.91713	15.80838	30.146	39.05852
14/02/23 04:00	17.25687	20.37752	30.05863	27.198
14/02/23 05:00	15.14376	14.46647	26.45885	28.56871
14/02/23 06:00	15.14381	24.1083	24.70351	34.88255
14/02/23 07:00	29.48117	29.27903	21.40976	37.94894
14/02/23 08:00	30.9393	31.98756	30.98931	50.08974
14/02/23 09:00	No data	29.20615	26.57658	35.46575
14/02/23 10:00	No data	25.09923	25.0167	29.44494
14/02/23 11:00	No data	25.83614	17.4404	31.02585
14/02/23 12:00	No data	21.92081	15.33374	30.7653
14/02/23 13:00	15.44433	23.30448	16.22135	31.9092
14/02/23 14:00	14.99159	21.22396	18.22225	33.4417
14/02/23 15:00	14.68984	19.69921	19.22536	26.7258
14/02/23 16:00	22.48758	22.1077	22.59907	29.03624
14/02/23 17:00	31.19146	21.80829	33.06327	37.31877
14/02/23 18:00	42.36168	43.80048	57.66534	59.68276
14/02/23 19:00	47.08973	54.71283	60.87	68.04813
14/02/23 20:00	47.44097	57.87677	66.92612	57.24671
14/02/23 21:00	49.50104	46.65457	61.77117	48.59333
14/02/23 22:00	41.50356	46.43209	41.59675	44.95894
14/02/23 23:00	46.13331	49.65441	32.92197	43.86357
15/02/23 00:00	34.66444	46.88216	27.35942	38.37619
15/02/23 01:00	32.9062	39.99731	18.71826	35.52491
15/02/23 02:00	25.43741	39.93848	17.42075	34.59412
15/02/23 03:00	25.2843	36.5134	21.58939	32.62732
15/02/23 04:00	24.37589	34.15853	17.35429	34.6022
15/02/23 05:00	23.21632	25.61046	22.85545	40.63521
15/02/23 06:00	22.30781	28.47608	23.34831	45.83541
15/02/23 07:00	36.56373	35.40109	37.79923	43.30259
15/02/23 08:00	45.98698	49.57842	50.6351	No data
15/02/23 09:00	48.57286	46.57694	53.77436	No data
15/02/23 10:00	32.22901	33.18836	48.4752	No data
15/02/23 11:00	22.11949	21.08434	24.34849	No data
15/02/23 12:00	18.53345	18.53922	14.09187	28.86437
15/02/23 13:00	20.45248	15.41394	15.05656	26.75549
15/02/23 14:00	19.0346	12.60387	9.08527	22.10569
15/02/23 15:00	20.54435	17.60013	7.21878	25.48791
15/02/23 16:00	21.65483	25.68051	9.82482	29.79167
15/02/23 17:00	28.41891	29.23169	15.44638	28.28915
15/02/23 18:00	26.34848	41.37761	20.74627	30.337
15/02/23 19:00	33.21285	54.49054	17.61443	33.66751
15/02/23 20:00	38.76465	47.10292	11.75106	42.15228
15/02/23 21:00	23.87805	43.15399	14.00092	48.48976
15/02/23 22:00	20.13965	26.93788	20.7757	45.25416
15/02/23 23:00	15.3966	16.35927	11.29236	47.1953
16/02/23 00:00	14.08361	18.94787	11.7281	32.77972
16/02/23 01:00	15.12512	10.96853	5.42448	16.30529
16/02/23 02:00	10.48235	7.27013	6.43574	13.69778
16/02/23 03:00	6.48072	6.46918	6.5337	12.45147
16/02/23 04:00	6.02673	8.73395	8.23468	11.10949
16/02/23 05:00	6.28007	3.7887	6.97603	21.60691
16/02/23 06:00	8.50903	9.1505	5.66294	17.69814
16/02/23 07:00	12.96741	9.33377	6.48225	13.56608
16/02/23 08:00	22.10896	17.83507	10.47883	21.96975
16/02/23 09:00	24.02338	17.83213	No data	17.81822
16/02/23 10:00	32.5285	16.2558	No data	21.33662
16/02/23 11:00	16.41772	No data	No data	18.98496
16/02/23 12:00	15.10064	No data	8.29696	18.44872
16/02/23 13:00	14.03598	No data	7.95657	18.97904
16/02/23 14:00	14.08637	31.71562	9.51307	19.78583
16/02/23 15:00	16.21248	23.1767	8.93124	18.40435
16/02/23 16:00	14.94648	24.42762	10.62627	19.20338
16/02/23 17:00	17.02265	21.6141	12.90709	20.27138
16/02/23 18:00	19.19892	22.77486	15.61536	30.46427
16/02/23 19:00	22.33539	21.39111	12.91006	23.88128
16/02/23 20:00	17.97803	18.98889	9.9653	13.69432
16/02/23 21:00	15.95293	17.4183	8.85707	16.36866
16/02/23 22:00	13.47409	19.21188	8.95206	18.46069
16/02/23 23:00	13.22098	No data	8.12879	13.43258
17/02/23 00:00	8.86453	No data	8.85607	8.75704
17/02/23 01:00	7.65687	No data	9.63482	5.93642
17/02/23 02:00	5.55906	3.62521	4.49432	4.68969
17/02/23 03:00	5.18729	3.77959	3.76902	4.8068
17/02/23 04:00	5.23948	2.72075	2.12743	2.89176
17/02/23 05:00	9.00328	3.6891	2.56282	4.00317
17/02/23 06:00	22.01893	3.55042	3.23964	4.18331
17/02/23 07:00	10.6796	7.65481	4.9307	5.92262

17/02/23 08:00	14.54247	16.50843	7.57661	8.23406
17/02/23 09:00	15.25405	17.56321	6.66331	8.8602
17/02/23 10:00	10.17431	13.68504	4.62888	6.85288
17/02/23 11:00	8.49587	11.55577	5.06426	6.76464
17/02/23 12:00	6.81849	10.22584	4.86834	9.07897
17/02/23 13:00	7.78642	11.50997	3.89961	12.32987
17/02/23 14:00	9.42043	14.18345	4.14303	16.10683
17/02/23 15:00	9.92184	16.02322	3.94413	14.41939
17/02/23 16:00	14.24382	19.12783	6.51289	16.42091
17/02/23 17:00	18.71106	28.06696	7.18277	21.81444
17/02/23 18:00	25.30455	28.90344	16.23477	21.51082
17/02/23 19:00	31.19318	27.30591	22.23613	23.25013
17/02/23 20:00	18.03932	28.55989	14.70503	38.97606
17/02/23 21:00	14.64191	21.73604	8.4672	45.34706
17/02/23 22:00	8.89184	13.19656	5.61512	34.29514
17/02/23 23:00	8.23598	7.42767	3.86962	23.91668
18/02/23 00:00	5.74689	6.09001	3.82048	10.19971
18/02/23 01:00	5.98477	5.03641	2.1901	9.5731
18/02/23 02:00	5.58431	3.13171	2.80525	5.58505
18/02/23 03:00	5.66856	2.57892	1.88104	6.90762
18/02/23 04:00	4.95648	1.84177	0.87077	6.32667
18/02/23 05:00	4.28819	3.03889	1.74054	5.07743
18/02/23 06:00	3.87979	3.13171	1.11022	4.23305
18/02/23 07:00	5.56575	5.52563	1.15871	5.61869
18/02/23 08:00	7.09367	9.07248	2.50739	6.90871
18/02/23 09:00	10.259	11.92432	2.84382	8.33536
18/02/23 10:00	10.61694	13.25213	3.17728	6.86661
18/02/23 11:00	9.80205	12.00797	4.0411	9.98742
18/02/23 12:00	10.92253	12.56186	5.20278	8.64833
18/02/23 13:00	11.33379	11.13981	6.55543	12.03966
18/02/23 14:00	8.98621	9.937	6.44657	13.33304
18/02/23 15:00	9.69447	10.44844	4.72189	12.97316
18/02/23 16:00	10.46034	11.87333	4.96233	14.76114
18/02/23 17:00	15.14788	12.47299	6.31796	14.89622
18/02/23 18:00	17.12799	14.22385	7.05218	16.68035
18/02/23 19:00	15.09075	16.80751	10.27001	14.71652
18/02/23 20:00	12.49281	14.82288	3.81552	13.60428
18/02/23 21:00	10.14856	14.41264	2.4599	9.40731
18/02/23 22:00	8.21081	10.72926	2.21747	9.45302
18/02/23 23:00	7.95759	10.77693	2.21945	11.01607
19/02/23 00:00	6.27211	7.04555	1.6396	9.58797
19/02/23 01:00	6.47961	4.96584	1.97702	8.39279
19/02/23 02:00	4.77836	2.6975	1.34869	10.11072
19/02/23 03:00	6.19752	2.11529	1.44764	10.30261
19/02/23 04:00	6.14044	2.16052	1.35166	7.2283
19/02/23 05:00	6.50163	1.56254	2.12942	11.45068
19/02/23 06:00	5.63078	2.43664	0.72531	5.26841
19/02/23 07:00	6.45295	3.31245	1.39816	3.25511
19/02/23 08:00	9.62144	7.72897	2.56182	6.029
19/02/23 09:00	12.07953	11.68067	4.10148	7.81531
19/02/23 10:00	7.43136	8.96527	5.44818	6.78706
19/02/23 11:00	7.9951	8.54859	4.90889	8.30491
19/02/23 12:00	8.45726	6.75636	6.21107	10.00104
19/02/23 13:00	7.6375	7.7221	8.13069	8.39256
19/02/23 14:00	7.79555	13.51298	6.73253	9.1952
19/02/23 15:00	8.20304	14.11294	4.37852	8.08079
19/02/23 16:00	8.75958	10.29996	6.88195	10.45066
19/02/23 17:00	12.48941	13.52341	10.62428	15.63406
19/02/23 18:00	15.29071	19.31628	14.07471	14.4289
19/02/23 19:00	15.96442	19.50471	13.44836	15.85829
19/02/23 20:00	15.03828	21.43804	10.68962	15.14434
19/02/23 21:00	14.16923	13.01985	7.10662	15.09931
19/02/23 22:00	12.38245	10.99382	4.83373	12.55264
19/02/23 23:00	11.77601	8.60346	6.05083	8.4408
20/02/23 00:00	10.34802	8.14288	4.4498	6.8777
20/02/23 01:00	6.09879	6.36955	2.90024	7.99246
20/02/23 02:00	6.10071	6.61319	1.92953	5.30725
20/02/23 03:00	4.83463	3.26135	2.07498	5.54467
20/02/23 04:00	4.16778	2.84773	2.22044	6.0356
20/02/23 05:00	4.42254	5.09794	4.26082	4.29226
20/02/23 06:00	6.4837	6.10887	5.08408	4.87388
20/02/23 07:00	10.89829	13.41225	5.0247	6.84293
20/02/23 08:00	15.99489	21.5834	5.24929	13.90622
20/02/23 09:00	18.26535	17.76634	6.21504	13.72908
20/02/23 10:00	13.85438	17.48641	5.47982	10.14887
20/02/23 11:00	15.79579	14.18028	4.33202	8.1342
20/02/23 12:00	9.52854	11.84083	4.57742	8.44951
20/02/23 13:00	9.16914	13.53926	6.15862	7.24097
20/02/23 14:00	9.26656	11.28958	5.87762	7.77785
20/02/23 15:00	10.79653	12.47803	6.26452	8.94055
20/02/23 16:00	12.03785	13.54372	7.52119	12.60676
20/02/23 17:00	20.09843	17.03215	10.7638	12.61113
20/02/23 18:00	22.38182	22.09041	13.57796	16.59364
20/02/23 19:00	23.70611	21.53969	24.35944	14.89287
20/02/23 20:00	19.55206	24.25138	12.49541	12.7039
20/02/23 21:00	26.86659	17.9149	8.9471	10.1982
20/02/23 22:00	19.23594	12.53799	10.58571	6.17137
20/02/23 23:00	14.00296	16.76613	8.06909	9.39392
21/02/23 00:00	11.70295	14.14845	3.29572	7.29216

21/02/23 01:00	10.09815	9.05106	2.18746	10.81197
21/02/23 02:00	4.89348	4.70865	1.49414	9.85642
21/02/23 03:00	6.459	5.77851	0.96179	7.6145
21/02/23 04:00	4.79661	4.63198	1.11022	5.01352
21/02/23 05:00	3.19915	4.1734	1.29921	7.21017
21/02/23 06:00	5.16145	13.11569	2.47179	4.8825
21/02/23 07:00	13.49752	21.968	6.57129	8.28677
21/02/23 08:00	21.0265	31.04686	15.21459	16.21505
21/02/23 09:00	19.26724	25.4059	15.68161	16.48505
21/02/23 10:00	18.50901	16.46176	8.05156	16.97134
21/02/23 11:00	17.48281	14.44355	6.55741	16.70383
21/02/23 12:00	19.55044	12.15058	6.24767	16.6556
21/02/23 13:00	18.36752	13.57058	9.28246	17.81819
21/02/23 14:00	15.48773	13.84703	9.70008	17.67589
21/02/23 15:00	22.0675	14.67276	12.83977	14.01001
21/02/23 16:00	17.85442	16.13976	13.51956	15.52923
21/02/23 17:00	16.82653	18.75578	16.00523	21.27203
21/02/23 18:00	24.12371	19.62747	15.79939	20.78595
21/02/23 19:00	29.83189	17.15188	19.05489	23.28282
21/02/23 20:00	35.04621	14.95097	18.49089	21.27804
21/02/23 21:00	33.44791	18.43691	19.17366	20.3813
21/02/23 22:00	26.35715	18.39151	23.62247	13.03525
21/02/23 23:00	24.06322	18.43715	19.75946	17.78518
22/02/23 00:00	16.23327	16.37322	15.64608	18.81417
22/02/23 01:00	16.26473	10.19698	12.7399	17.76206
22/02/23 02:00	13.02656	8.12116	9.68628	13.39783
22/02/23 03:00	9.54125	8.79288	8.42763	12.42556
22/02/23 04:00	10.72785	7.64795	7.5064	10.67503
22/02/23 05:00	14.23416	9.47908	5.95386	13.40777
22/02/23 06:00	45.11682	12.45633	10.89546	14.71387
22/02/23 07:00	30.88029	16.39422	15.17304	18.75096
22/02/23 08:00	37.21872	22.62049	21.19711	25.20921
22/02/23 09:00	34.83292	25.59205	23.461	25.2054
22/02/23 10:00	29.26967	28.70307	18.58176	28.1579
22/02/23 11:00	23.05664	32.03416	13.22369	27.3976
22/02/23 12:00	17.91644	18.26021	13.64123	17.97706
22/02/23 13:00	18.22574	20.36663	11.7483	19.59091
22/02/23 14:00	15.84576	25.9493	8.8778	19.05439
22/02/23 15:00	19.56602	23.25027	8.20593	25.9075
22/02/23 16:00	17.69086	28.0128	9.15484	30.1232
22/02/23 17:00	20.83342	25.31025	18.32256	40.42965
22/02/23 18:00	23.08995	54.42986	28.48371	35.13338
22/02/23 19:00	29.69115	34.47046	24.48804	27.52977
22/02/23 20:00	25.0215	29.53134	26.76407	23.58782
22/02/23 21:00	15.69129	21.38147	16.47423	19.01559
22/02/23 22:00	14.09714	21.064	5.70945	20.62847
22/02/23 23:00	13.8297	19.68812	4.79119	16.27835
23/02/23 00:00	10.26894	12.31801	3.14762	13.85982
23/02/23 01:00	7.45699	9.69381	3.14564	10.00182
23/02/23 02:00	6.35252	5.79196	3.09021	6.34896
23/02/23 03:00	6.31987	6.76754	2.32138	5.92956
23/02/23 04:00	5.38483	6.99598	1.88005	3.63715
23/02/23 05:00	5.60257	31.68769	1.49514	5.51694
23/02/23 06:00	6.68398	23.04569	2.22143	6.55422
23/02/23 07:00	9.90053	30.17596	3.57012	14.09969
23/02/23 08:00	20.37527	32.55275	7.28668	25.40917
23/02/23 09:00	29.64517	34.47054	8.81643	26.88787
23/02/23 10:00	21.43521	37.30423	9.36662	21.49808
23/02/23 11:00	11.0606	34.10412	5.59166	21.5264
23/02/23 12:00	7.64293	29.39499	5.06822	14.26762
23/02/23 13:00	6.87405	23.86385	5.79056	17.89876
23/02/23 14:00	8.99609	26.74484	5.69656	19.83161
23/02/23 15:00	9.9872	32.64297	6.22396	23.37621
23/02/23 16:00	13.0927	23.91082	8.668	29.93551
23/02/23 17:00	14.9067	37.03264	10.24036	30.92629
23/02/23 18:00	29.52355	56.46596	24.91566	39.51458
23/02/23 19:00	57.96971	86.20023	23.52344	60.86272
23/02/23 20:00	63.10077	91.77226	31.29284	68.80642
23/02/23 21:00	47.77824	60.89004	37.27223	42.85056
23/02/23 22:00	42.41999	48.96496	30.09953	35.21366
23/02/23 23:00	41.51008	52.80795	26.23278	25.91905
24/02/23 00:00	43.06556	42.06534	30.4463	19.22578
24/02/23 01:00	54.32532	26.5413	30.09949	17.69491
24/02/23 02:00	27.80968	No data	22.67654	16.55487
24/02/23 03:00	19.65361	16.0709	22.33218	18.847
24/02/23 04:00	14.83096	13.24022	10.84003	18.48468
24/02/23 05:00	12.70018	12.41836	6.43772	15.60548
24/02/23 06:00	15.38768	10.82039	8.70269	18.03541
24/02/23 07:00	24.88333	26.48013	13.70657	15.91439
24/02/23 08:00	33.85065	52.41139	15.68557	27.87667
24/02/23 09:00	41.3568	40.17616	19.7612	39.73405
24/02/23 10:00	20.30464	23.78624	13.54823	31.94826
24/02/23 11:00	20.5719	18.85549	9.31219	17.89166
24/02/23 12:00	18.16622	27.02785	8.55227	17.97663
24/02/23 13:00	12.06081	43.09871	6.22792	25.12275
24/02/23 14:00	20.97788	27.66711	4.29245	23.68492
24/02/23 15:00	17.90879	34.5611	5.79452	20.08967
24/02/23 16:00	19.12564	37.80274	5.07516	21.25716
24/02/23 17:00	16.23898	47.75572	9.13311	17.26413

24/02/23 18:00	18.8704	47.3448	10.82814	20.04623
24/02/23 19:00	13.72333	47.43618	7.34013	17.6261
24/02/23 20:00	18.32496	56.88698	6.1834	14.61355
24/02/23 21:00	18.53069	40.0401	5.98549	15.87052
24/02/23 22:00	18.68252	26.7543	5.3166	15.8289
24/02/23 23:00	21.37111	23.05612	4.15096	18.7975
25/02/23 00:00	11.54304	13.87937	2.41438	16.3706
25/02/23 01:00	10.90682	13.85818	2.22242	16.27413
25/02/23 02:00	15.37239	10.15047	2.61031	13.32735
25/02/23 03:00	19.5349	7.56719	3.77298	14.00359
25/02/23 04:00	13.54383	7.56712	4.06687	14.49957
25/02/23 05:00	9.89835	9.20841	2.80921	13.46239
25/02/23 06:00	9.79931	11.53329	2.6113	12.65473
25/02/23 07:00	10.47255	14.22284	3.13275	15.26638
25/02/23 08:00	13.68474	19.23857	4.57544	18.82435
25/02/23 09:00	12.25451	19.74198	4.80994	17.51504
25/02/23 10:00	13.77358	29.86333	5.53029	17.69066
25/02/23 11:00	12.22247	35.97313	5.15826	17.28407
25/02/23 12:00	10.60764	33.00823	5.53723	12.28867
25/02/23 13:00	7.5462	24.71068	4.62591	17.91352
25/02/23 14:00	6.92029	30.91089	3.66015	12.42368
25/02/23 15:00	6.55509	29.90753	4.24496	18.53705
25/02/23 16:00	7.06011	35.19448	4.33895	14.17758
25/02/23 17:00	8.76524	42.48896	5.06327	12.15471
25/02/23 18:00	11.98179	19.96769	5.12365	13.4166
25/02/23 19:00	10.5188	42.80712	5.12266	15.53576
25/02/23 20:00	13.04572	46.45349	5.45909	17.92123
25/02/23 21:00	14.92344	59.26388	8.5849	15.75895
25/02/23 22:00	14.0412	55.29738	5.59662	14.81093
25/02/23 23:00	10.67063	56.48357	4.15492	16.88259
26/02/23 00:00	11.4968	47.41079	4.63978	13.86939
26/02/23 01:00	9.8742	55.53311	4.63681	12.20729
26/02/23 02:00	10.83496	45.76132	2.94575	15.4521
26/02/23 03:00	12.43293	23.89725	2.84977	13.70465
26/02/23 04:00	11.96322	27.26565	2.07399	14.69362
26/02/23 05:00	11.39011	16.20407	2.41637	10.49621
26/02/23 06:00	13.72006	24.85209	2.94872	7.12215
26/02/23 07:00	13.05556	42.65018	4.38546	6.94596
26/02/23 08:00	13.58352	39.51047	5.49964	7.08118
26/02/23 09:00	15.0487	41.01607	5.06922	8.38607
26/02/23 10:00	9.93986	21.85235	3.5612	8.06962
26/02/23 11:00	6.7772	21.35362	3.52064	7.57275
26/02/23 12:00	5.05568	19.5298	2.50343	7.6172
26/02/23 13:00	6.08975	8.60554	2.26298	9.01581
26/02/23 14:00	4.89948	14.43168	1.53767	8.11376
26/02/23 15:00	4.01505	4.87195	2.12347	9.15177
26/02/23 16:00	4.8434	9.42439	2.22044	8.65695
26/02/23 17:00	6.6585	8.6041	4.96828	9.19855
26/02/23 18:00	8.97642	15.84148	3.38807	11.18517
26/02/23 19:00	14.66055	23.39688	7.11256	14.65974
26/02/23 20:00	12.79048	39.73783	9.57444	14.2092
26/02/23 21:00	39.18013	48.52263	18.48784	11.45726
26/02/23 22:00	35.29689	67.91828	14.30426	11.63759
26/02/23 23:00	43.55747	69.28012	9.9653	9.06666
27/02/23 00:00	43.72132	52.80065	8.06841	7.89343
27/02/23 01:00	31.31546	53.45018	No data	9.21444
27/02/23 02:00	21.15447	40.30003	4.11764	6.44458
27/02/23 03:00	21.25569	35.81416	3.67601	5.73627
27/02/23 04:00	18.15674	42.44838	3.86896	5.91609
27/02/23 05:00	8.95021	34.2239	3.23369	7.6751
27/02/23 06:00	9.57939	40.35927	3.95602	9.43893
27/02/23 07:00	14.60339	42.27329	8.81445	14.40673
27/02/23 08:00	20.12112	39.09519	11.78002	23.34145
27/02/23 09:00	23.70034	41.69789	12.30246	21.80738
27/02/23 10:00	20.64654	40.24281	8.64231	19.86268
27/02/23 11:00	13.82201	28.37008	6.03398	15.84624
27/02/23 12:00	9.77383	26.36951	3.62356	17.83368
27/02/23 13:00	11.69233	26.86675	3.68683	15.4398
27/02/23 14:00	9.03905	10.50291	3.51073	14.26741
27/02/23 15:00	7.28222	12.27523	4.04606	18.87486
27/02/23 16:00	8.67494	15.22933	3.56318	18.01763
27/02/23 17:00	11.15453	17.63877	4.29344	18.9662
27/02/23 18:00	16.76694	28.004	12.03525	18.56263
27/02/23 19:00	16.94972	34.36074	14.01136	18.96844
27/02/23 20:00	22.72415	53.81401	11.99676	16.16825
27/02/23 21:00	18.74406	26.27159	11.28921	14.40652
27/02/23 22:00	13.1007	25.68021	8.74225	14.54424
27/02/23 23:00	7.26037	20.99764	6.47729	11.87834
28/02/23 00:00	7.40456	14.54222	4.78623	7.81282
28/02/23 01:00	9.45328	40.77785	4.05399	5.06596
28/02/23 02:00	9.86546	45.92296	3.52758	6.81494
28/02/23 03:00	9.78402	41.83856	3.71954	6.33084
28/02/23 04:00	9.94022	32.12704	2.84679	7.46275
28/02/23 05:00	8.64545	37.93426	2.4599	9.35998
28/02/23 06:00	11.29435	34.43968	5.16916	11.66756
28/02/23 07:00	14.60448	29.27236	9.54471	16.28081
28/02/23 08:00	32.55296	39.99698	21.95802	28.84737
28/02/23 09:00	38.25202	44.40701	15.75677	32.4217
28/02/23 10:00	40.03835	39.54668	10.96369	21.3431

28/02/23 11:00	28.44069	39.65501	8.30489	20.4371
28/02/23 12:00	20.72045	29.69846	8.8313	18.71398
28/02/23 13:00	20.45101	32.92196	9.10338	17.62861
28/02/23 14:00	19.62812	31.09889	7.75569	18.89323
28/02/23 15:00	21.01647	37.55394	6.94134	20.79463
28/02/23 16:00	23.86564	33.18978	6.94134	18.98443
28/02/23 17:00	24.30003	44.53883	7.47369	16.41359
28/02/23 18:00	19.23451	45.84895	5.21368	17.5901
28/02/23 19:00	20.69096	35.44657	4.97125	13.74655
28/02/23 20:00	11.70907	25.64128	4.20242	11.39622
28/02/23 21:00	9.73559	11.20939	5.10482	10.12992
28/02/23 22:00	6.90391	11.21051	2.02452	8.13963
28/02/23 23:00	6.70255	10.48375	2.74487	6.5115
01/03/23 00:00	3.27154	8.5319	1.30119	5.24688
01/03/23 01:00	3.66247	10.6315	1.10229	4.71066
01/03/23 02:00	3.62472	29.23458	1.34968	4.4691
01/03/23 03:00	3.7842	28.31495	1.6861	3.44221
01/03/23 04:00	2.95913	25.5513	1.00829	3.57731
01/03/23 05:00	4.30233	27.9984	1.59012	4.84481
01/03/23 06:00	6.6818	31.62287	3.86698	6.52114
01/03/23 07:00	12.27454	33.34669	6.07553	12.0911
01/03/23 08:00	12.08738	46.04663	12.68044	24.39597
01/03/23 09:00	24.6321	52.32594	10.71828	22.59327
01/03/23 10:00	19.06375	41.79713	7.92196	23.08961
01/03/23 11:00	13.62066	38.39798	6.56336	17.5684
01/03/23 12:00	11.53394	38.171	5.11374	15.97848
01/03/23 13:00	13.15642	38.80919	5.31165	18.42884
01/03/23 14:00	13.88027	45.19437	4.19251	13.4899
01/03/23 15:00	12.04661	32.27728	4.19944	14.08124
01/03/23 16:00	12.14783	17.94909	5.49171	14.75822
01/03/23 17:00	11.54705	22.25563	5.85292	14.17303
01/03/23 18:00	13.63631	38.52198	11.20413	15.53185
01/03/23 19:00	23.45821	38.34081	9.57742	14.85411
01/03/23 20:00	18.08903	33.98846	13.94107	12.72512
01/03/23 21:00	12.9973	50.16358	13.01885	10.09974
01/03/23 22:00	20.37419	23.2448	5.41655	9.82824
01/03/23 23:00	11.72874	13.14061	3.13969	8.19746
02/03/23 00:00	7.14495	9.74133	2.22044	7.29248
02/03/23 01:00	6.77052	4.94718	2.45133	6.29
02/03/23 02:00	3.42228	8.14235	2.37876	5.20127
02/03/23 03:00	4.55648	5.56673	0.89714	5.80563
02/03/23 04:00	4.19674	3.12359	1.3477	6.34986
02/03/23 05:00	5.37136	1.35815	1.73657	5.44241
02/03/23 06:00	4.21531	3.84666	4.10446	13.10831
02/03/23 07:00	7.25381	11.26805	8.9718	23.5866
02/03/23 08:00	11.37664	25.612	10.05534	38.18787
02/03/23 09:00	16.19492	52.68751	12.70819	24.44449
02/03/23 10:00	11.53722	53.64882	6.76226	23.21729
02/03/23 11:00	10.0917	32.1425	4.54083	19.7695
02/03/23 12:00	10.82538	10.77815	5.80047	16.27645
02/03/23 13:00	8.75068	19.37803	4.10346	17.77487
02/03/23 14:00	7.96857	13.99034	3.23171	21.2208
02/03/23 15:00	7.23488	10.27658	3.86103	22.08278
02/03/23 16:00	7.65507	10.32164	4.87726	21.9922
02/03/23 17:00	10.1951	23.44603	4.25685	23.71837
02/03/23 18:00	10.43723	28.4252	5.31363	20.95436
02/03/23 19:00	11.65264	12.22136	6.61581	22.90489
02/03/23 20:00	9.38896	12.53145	3.47414	15.8297
02/03/23 21:00	6.5915	10.63465	3.75811	13.69753
02/03/23 22:00	7.17226	9.50214	2.26496	14.56062
02/03/23 23:00	8.22162	13.03087	3.28317	15.014
03/03/23 00:00	3.94368	5.06808	1.7801	10.29724
03/03/23 01:00	2.49634	4.63901	1.24973	7.14675
03/03/23 02:00	2.35264	6.92603	1.73459	3.997
03/03/23 03:00	2.33978	10.11762	1.01127	3.54264
03/03/23 04:00	2.02519	9.93702	1.82661	4.76836
03/03/23 05:00	3.07018	33.01639	1.15474	7.31117
03/03/23 06:00	3.27044	34.01252	2.16403	10.35382
03/03/23 07:00	7.3088	29.59144	7.98523	12.53489
03/03/23 08:00	14.21707	39.98587	11.0804	22.43591
03/03/23 09:00	15.3622	54.82959	9.98604	26.7057
03/03/23 10:00	14.24001	49.76926	5.93106	24.52255
03/03/23 11:00	12.79231	44.25511	4.77731	27.24676
03/03/23 12:00	15.06618	No data	5.21467	23.1107
03/03/23 13:00	16.72943	No data	7.6132	26.97061
03/03/23 14:00	16.9672	No data	8.15745	27.20047
03/03/23 15:00	15.60979	No data	6.9097	23.29637
03/03/23 16:00	19.23998	No data	7.78245	24.02252
03/03/23 17:00	22.76457	49.15125	14.08752	22.75322
03/03/23 18:00	34.63858	70.33219	13.20593	22.25394
03/03/23 19:00	42.95633	59.38313	13.2564	22.7996
03/03/23 20:00	42.34717	54.21938	7.58751	18.1205
03/03/23 21:00	30.74806	36.00281	9.7446	15.53244
03/03/23 22:00	15.24459	34.52063	4.15294	11.94299
03/03/23 23:00	8.85772	44.13094	2.7053	10.1278
04/03/23 00:00	6.68398	44.22656	2.17295	8.62893
04/03/23 01:00	5.79956	38.49678	2.51037	7.27642
04/03/23 02:00	5.024	19.72904	2.07003	7.94278
04/03/23 03:00	5.13833	25.70219	1.78308	7.91149

04/03/23 04:00	3.88652	28.72864	1.10427	11.45764
04/03/23 05:00	4.464	17.34292	1.10328	13.0508
04/03/23 06:00	5.34078	7.35024	0.86482	14.28165
04/03/23 07:00	8.91489	13.45153	3.1743	23.6989
04/03/23 08:00	10.57159	21.32922	7.36086	28.42715
04/03/23 09:00	10.8312	23.73114	6.78894	31.97129
04/03/23 10:00	13.33155	25.98503	7.07589	28.37769
04/03/23 11:00	13.33701	23.72979	7.70918	25.28347
04/03/23 12:00	14.58337	21.95278	8.18314	24.05622
04/03/23 13:00	13.95746	21.52019	6.88988	25.50964
04/03/23 14:00	14.96714	23.29737	7.02939	32.64501
04/03/23 15:00	14.33031	22.67285	8.91241	26.5545
04/03/23 16:00	15.46779	22.96188	9.0658	26.92192
04/03/23 17:00	16.90129	20.94465	11.59004	35.10616
04/03/23 18:00	17.97724	45.82801	13.7501	36.51422
04/03/23 19:00	21.61289	39.44025	15.01866	34.24862
04/03/23 20:00	22.33455	31.5144	17.66755	32.20181
04/03/23 21:00	18.02239	26.32561	13.54335	29.06294
04/03/23 22:00	14.863	25.74963	11.78894	32.42866
04/03/23 23:00	20.58064	32.95536	8.84319	29.51905
05/03/23 00:00	13.2438	25.70155	7.50144	29.19716
05/03/23 01:00	12.90457	24.32542	7.292	19.91872
05/03/23 02:00	12.35161	16.15389	8.22477	20.58553
05/03/23 03:00	16.63404	11.29488	8.84355	19.99154
05/03/23 04:00	13.10617	9.07444	8.64299	17.16594
05/03/23 05:00	10.89274	8.59183	6.5347	16.84629
05/03/23 06:00	9.06891	9.07449	6.67619	12.89057
05/03/23 07:00	14.47013	10.52276	7.25108	13.30061
05/03/23 08:00	18.71202	12.79119	8.41574	12.98183
05/03/23 09:00	17.93428	12.26013	7.2956	12.66276
05/03/23 10:00	17.05968	15.34798	12.23613	15.66798
05/03/23 11:00	14.63179	14.38294	11.24072	16.35204
05/03/23 12:00	13.02788	15.92747	8.96288	16.123
05/03/23 13:00	11.60749	16.69979	12.29156	14.11965
05/03/23 14:00	13.65161	13.85227	10.26902	15.53131
05/03/23 15:00	14.89031	17.23012	9.98901	23.8193
05/03/23 16:00	18.30276	19.78881	17.35384	26.55285
05/03/23 17:00	19.90885	21.28617	14.50712	29.51425
05/03/23 18:00	24.04187	34.51192	19.67628	31.20062
05/03/23 19:00	29.10847	44.7459	24.37545	37.35059
05/03/23 20:00	34.53991	51.69637	21.56426	43.72754
05/03/23 21:00	34.11645	63.03676	21.04975	40.26777
05/03/23 22:00	42.08756	63.08127	25.927	32.61446
05/03/23 23:00	40.42867	47.97792	19.90293	43.09066
06/03/23 00:00	41.09499	47.44746	20.70539	55.24116
06/03/23 01:00	24.97023	28.96971	15.15825	38.74126
06/03/23 02:00	21.32669	37.24543	18.26234	52.29592
06/03/23 03:00	14.6165	34.96764	20.5857	37.44664
06/03/23 04:00	12.29092	29.00139	23.57696	26.95372
06/03/23 05:00	11.11812	20.66071	12.92691	28.23164
06/03/23 06:00	16.43705	12.75525	11.90474	23.26344
06/03/23 07:00	26.10529	19.00976	14.94052	20.52512
06/03/23 08:00	38.64127	36.36314	19.00929	34.29502
06/03/23 09:00	35.94976	41.92987	19.60393	28.46056
06/03/23 10:00	25.15533	36.94063	16.58393	25.08426
06/03/23 11:00	17.58947	31.02841	9.21423	16.10006
06/03/23 12:00	15.61817	20.45961	No data	15.78104
06/03/23 13:00	13.58206	17.21193	No data	18.47129
06/03/23 14:00	14.34233	16.58107	6.04084	13.13478
06/03/23 15:00	15.95388	17.93894	6.80419	14.04758
06/03/23 16:00	12.95992	33.59649	7.04551	26.08596
06/03/23 17:00	No data	25.7435	8.71414	26.59051
06/03/23 18:00	No data	30.98135	9.42937	29.10049
06/03/23 19:00	No data	32.14851	8.95232	31.79087
06/03/23 20:00	No data	23.95502	11.62247	27.77802
06/03/23 21:00	No data	20.36603	10.30542	27.32193
06/03/23 22:00	No data	20.41551	10.5436	23.7191
06/03/23 23:00	No data	20.65818	11.2142	25.22206
07/03/23 00:00	No data	17.70032	9.49884	22.66979
07/03/23 01:00	No data	10.52481	2.86126	13.70294
07/03/23 02:00	No data	10.26524	6.44334	10.59701
07/03/23 03:00	No data	9.40442	3.24451	14.66152
07/03/23 04:00	No data	11.88798	6.06114	13.97672
07/03/23 05:00	No data	10.28168	8.68982	10.32251
07/03/23 06:00	No data	17.0542	6.00671	16.1686
07/03/23 07:00	No data	26.50491	10.1327	22.88237
07/03/23 08:00	No data	53.68559	14.99806	33.9322
07/03/23 09:00	No data	47.97628	16.84763	42.15127
07/03/23 10:00	No data	35.84874	10.65472	33.74192
07/03/23 11:00	No data	25.81333	7.03781	21.73729
07/03/23 12:00	No data	25.61803	7.80257	19.40817
07/03/23 13:00	No data	25.96	9.80072	23.97428
07/03/23 14:00	No data	22.35186	10.47412	22.28478
07/03/23 15:00	No data	19.58026	10.4295	17.94797
07/03/23 16:00	13.75299	14.66156	12.56572	26.62606
07/03/23 17:00	17.72736	15.97982	13.00375	25.11893
07/03/23 18:00	27.8373	18.46832	24.8105	30.00905
07/03/23 19:00	51.60237	39.91081	55.84209	51.20374
07/03/23 20:00	53.38495	50.28938	62.16764	62.84627

07/03/23 21:00	52.83055	68.83578	63.24739	64.26106
07/03/23 22:00	55.15661	73.05116	56.46629	61.47476
07/03/23 23:00	32.53509	63.8285	40.70874	66.2684
08/03/23 00:00	21.96748	63.12216	41.76068	52.98228
08/03/23 01:00	24.0033	57.94351	35.79877	63.64817
08/03/23 02:00	25.63389	56.23941	34.17827	26.04145
08/03/23 03:00	22.15645	44.37704	26.71871	21.72675
08/03/23 04:00	33.36819	32.93068	38.58875	17.15281
08/03/23 05:00	35.10462	27.75416	21.39438	19.16511
08/03/23 06:00	29.6388	19.5777	16.85796	20.26268
08/03/23 07:00	24.69623	28.23822	16.14063	27.21366
08/03/23 08:00	21.14438	16.25208	18.04219	34.80123
08/03/23 09:00	20.79953	15.27312	18.32149	38.09312
08/03/23 10:00	16.20264	12.28571	14.31258	35.16698
08/03/23 11:00	15.11893	8.51675	11.3059	25.5639
08/03/23 12:00	15.27148	7.83131	9.63517	20.54888
08/03/23 13:00	15.4357	7.73319	9.684	No data
08/03/23 14:00	12.4291	10.08238	8.68422	No data
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08/03/23 16:00	14.44397	13.60606	8.58307	No data
08/03/23 17:00	13.45807	13.70483	8.30097	No data
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08/03/23 19:00	12.01367	18.50282	7.20599	No data
08/03/23 20:00	8.91259	13.21467	5.24441	No data
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08/03/23 22:00	9.78734	10.91282	3.81536	No data
08/03/23 23:00	7.35788	10.9149	3.09803	No data
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09/03/23 03:00	6.42589	11.45926	1.76348	No data
09/03/23 04:00	7.82054	7.67173	1.95283	No data
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09/03/23 14:00	16.92984	19.47076	11.06072	No data
09/03/23 15:00	17.64287	13.07972	10.11082	No data
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09/03/23 17:00	17.17854	16.22686	12.40753	21.75469
09/03/23 18:00	20.16432	16.1291	13.94228	17.69063
09/03/23 19:00	18.66851	16.17736	15.46863	16.065
09/03/23 20:00	20.986	14.99653	16.80599	14.10469
09/03/23 21:00	17.51756	13.6703	16.90189	11.95313
09/03/23 22:00	15.19425	12.19437	11.74497	10.23188
09/03/23 23:00	13.49032	10.17903	8.83244	8.98875
10/03/23 00:00	17.58955	7.52532	10.31347	7.69781
10/03/23 01:00	15.2917	6.65483	8.92904	5.24043
10/03/23 02:00	8.99874	15.15401	6.11101	3.89838
10/03/23 03:00	5.65395	45.01438	4.48421	3.45089
10/03/23 04:00	5.55197	43.4345	2.71618	3.35514
10/03/23 05:00	4.37127	47.5843	2.1931	3.49884
10/03/23 06:00	5.70785	41.35774	1.8109	5.12851
10/03/23 07:00	9.11322	37.60261	4.22118	7.14145
10/03/23 08:00	12.31795	15.86165	4.22538	10.92779
10/03/23 09:00	17.69095	27.07242	5.74894	22.91024
10/03/23 10:00	17.96215	18.61736	4.41788	29.38039
10/03/23 11:00	19.87754	19.89777	4.08871	23.53304
10/03/23 12:00	20.65364	18.95715	5.70606	23.19746
10/03/23 13:00	23.13868	20.98149	6.08896	21.47185
10/03/23 14:00	20.09816	16.68014	6.27866	25.11445
10/03/23 15:00	13.32384	18.06877	6.04259	23.7249
10/03/23 16:00	15.21924	17.62604	6.56426	23.5809
10/03/23 17:00	17.18604	23.79854	7.56509	33.40657
10/03/23 18:00	28.69564	45.04207	13.23213	46.82316
10/03/23 19:00	65.64983	72.69158	21.58577	56.3656
10/03/23 20:00	80.78773	91.15761	35.2708	63.17235
10/03/23 21:00	85.00189	84.85853	50.64405	62.26161
10/03/23 22:00	73.24304	92.81128	47.93225	79.89002
10/03/23 23:00	64.37122	79.55957	36.67535	77.63842
11/03/23 00:00	68.1517	74.65986	41.87146	73.75859
11/03/23 01:00	64.42494	67.99552	20.49651	69.48896
11/03/23 02:00	54.55189	58.30853	25.15473	69.68285
11/03/23 03:00	45.96656	58.61974	23.32072	64.17776
11/03/23 04:00	39.56968	50.74821	23.49729	60.42238
11/03/23 05:00	33.38677	46.9448	23.22091	54.99623
11/03/23 06:00	40.86652	38.77211	23.33595	55.90492
11/03/23 07:00	38.72526	47.27867	18.81884	50.66963
11/03/23 08:00	24.84986	34.6453	24.06272	53.08013
11/03/23 09:00	27.45045	31.35193	33.26108	54.66972
11/03/23 10:00	25.78126	15.1817	30.77713	39.4455
11/03/23 11:00	15.54684	7.78833	14.67063	23.59077
11/03/23 12:00	12.90676	8.33402	9.38615	23.15784
11/03/23 13:00	14.55761	8.83192	6.95521	15.61539

11/03/23 14:00	14.29808	8.48527	10.00372	24.16734
11/03/23 15:00	13.34942	8.98318	15.44483	29.25964
11/03/23 16:00	13.29219	9.38229	15.79081	24.45592
11/03/23 17:00	14.1097	14.19877	13.4941	21.57375
11/03/23 18:00	14.0997	19.80995	13.93563	31.85589
11/03/23 19:00	15.14117	15.83772	17.17664	25.5144
11/03/23 20:00	11.6794	13.55398	15.66043	33.1535
11/03/23 21:00	10.14386	10.37675	13.8917	31.4232
11/03/23 22:00	13.37251	11.76711	15.74513	23.92851
11/03/23 23:00	14.86664	11.02228	14.99333	26.66724
12/03/23 00:00	15.60634	13.65308	13.41465	27.24249
12/03/23 01:00	13.32951	11.70437	7.92437	40.00847
12/03/23 02:00	10.3003	10.37361	4.82074	29.92348
12/03/23 03:00	10.60569	11.66956	3.53081	24.61057
12/03/23 04:00	11.91086	9.42504	1.8116	18.34969
12/03/23 05:00	7.16391	7.62903	0.80833	13.91906
12/03/23 06:00	7.41512	7.13029	0.75985	7.70646
12/03/23 07:00	12.07174	5.38534	2.86091	7.41767
12/03/23 08:00	15.04277	8.9749	5.48049	8.28495
12/03/23 09:00	9.92015	9.86899	4.28716	8.2847
12/03/23 10:00	8.51882	6.77828	4.74216	8.62185
12/03/23 11:00	10.16802	5.88104	4.94131	8.09185
12/03/23 12:00	7.74605	7.77553	5.60841	6.74323
12/03/23 13:00	9.08764	6.18047	4.69858	5.15351
12/03/23 14:00	8.14815	6.97888	4.37641	6.88742
12/03/23 15:00	10.41672	7.77729	3.90286	7.27305
12/03/23 16:00	8.19122	7.13017	4.89844	7.4659
12/03/23 17:00	14.37423	8.07836	4.52813	11.51211
12/03/23 18:00	12.56082	9.42562	6.05659	13.67995
12/03/23 19:00	14.04354	13.91547	7.63317	10.7897
12/03/23 20:00	10.19027	7.82974	6.15669	13.48719
12/03/23 21:00	7.87695	5.43569	4.00681	13.77622
12/03/23 22:00	7.67632	5.63535	4.44063	10.30803
12/03/23 23:00	10.5112	5.23603	4.48351	12.8112
13/03/23 00:00	8.97816	4.53763	3.67588	6.40629
13/03/23 01:00	2.88768	3.13837	1.33455	4.76423
13/03/23 02:00	2.21884	2.20304	0.71383	6.82432
13/03/23 03:00	2.63176	2.70355	1.19088	4.05565
13/03/23 04:00	2.47671	2.15227	1.09323	9.80182
13/03/23 05:00	3.04718	2.05243	0.85785	8.20877
13/03/23 06:00	3.86803	2.65421	1.239	10.72022
13/03/23 07:00	6.08603	4.45762	1.8081	14.29356
13/03/23 08:00	11.1225	8.66388	4.52079	12.69718
13/03/23 09:00	12.76836	11.36782	3.42511	11.73378
13/03/23 10:00	9.24852	10.4665	3.32886	13.42345
13/03/23 11:00	7.53709	9.66529	1.89805	9.31905
13/03/23 12:00	7.50984	9.31435	2.61538	8.69105
13/03/23 13:00	7.39203	9.86394	2.85251	8.59442
13/03/23 14:00	6.82822	9.06377	2.56796	9.02902
13/03/23 15:00	6.4053	8.9625	2.56831	6.42171
13/03/23 16:00	10.736	10.36562	4.04408	7.67723
13/03/23 17:00	13.45307	10.76811	5.09164	9.17413
13/03/23 18:00	13.71427	11.72214	4.14383	12.6513
13/03/23 19:00	11.73581	13.32716	5.56659	13.85848
13/03/23 20:00	13.07573	12.52556	5.43026	17.14201
13/03/23 21:00	10.82215	9.11817	4.05108	15.59725
13/03/23 22:00	6.38281	8.66673	3.30354	15.25875
13/03/23 23:00	6.63735	10.16554	2.92554	13.23075
14/03/23 00:00	6.0163	8.31306	2.43268	15.30695
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14/03/23 03:00	4.68388	5.53613	2.67051	10.45546
14/03/23 04:00	6.85547	5.38466	1.4287	8.13202
14/03/23 05:00	5.10346	5.93919	2.28865	8.27695
14/03/23 06:00	6.02213	11.72634	2.19135	8.80926
14/03/23 07:00	11.6869	16.90732	4.33738	17.7639
14/03/23 08:00	17.32776	35.15843	5.51776	36.15384
14/03/23 09:00	26.17753	41.20735	12.55837	34.26337
14/03/23 10:00	19.91169	23.24889	10.13655	24.38821
14/03/23 11:00	17.69452	18.08877	4.56191	20.27777
14/03/23 12:00	13.96905	16.37413	3.89971	16.55073
14/03/23 13:00	11.42845	17.28408	5.03511	23.90667
14/03/23 14:00	9.51722	15.67842	6.18136	25.64721
14/03/23 15:00	10.28583	25.63891	4.18391	26.03722
14/03/23 16:00	9.97072	20.85827	3.84913	25.89153
14/03/23 17:00	10.0602	16.98758	6.08791	22.11959
14/03/23 18:00	13.03515	15.73877	5.66774	23.76603
14/03/23 19:00	13.59063	22.17986	6.47501	34.61077
14/03/23 20:00	22.78333	30.39436	10.82255	33.15869
14/03/23 21:00	32.87828	33.61697	9.9619	27.68826
14/03/23 22:00	21.86884	42.72585	9.39139	30.49708
14/03/23 23:00	27.682	50.00968	9.64252	25.51078
15/03/23 00:00	24.7443	31.74743	9.78585	23.62207
15/03/23 01:00	24.6965	30.1974	6.20236	23.61507
15/03/23 02:00	22.44126	No data	6.92144	24.39233
15/03/23 03:00	21.40617	23.86175	6.25294	37.9942
15/03/23 04:00	13.88658	31.04259	6.72929	37.99181
15/03/23 05:00	18.16086	34.12529	13.94193	37.06208
15/03/23 06:00	32.82345	37.09733	30.68194	44.29269

15/03/23 07:00	29.454	40.7144	38.70902	40.51382
15/03/23 08:00	40.82384	46.48732	50.13286	40.64773
15/03/23 09:00	49.62784	46.20256	50.88641	44.17756
15/03/23 10:00	25.97714	33.92944	27.76905	45.48302
15/03/23 11:00	20.74587	25.55813	11.43102	37.83153
15/03/23 12:00	14.7285	14.09383	7.52887	25.22602
15/03/23 13:00	15.90336	12.68189	8.28627	17.12597
15/03/23 14:00	17.45141	19.35244	8.53494	19.84221
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15/03/23 23:00	11.62883	7.33086	6.77776	No data
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16/03/23 01:00	7.47894	5.75614	4.29591	No data
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16/03/23 03:00	4.01059	6.09554	3.43596	No data
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16/03/23 09:00	14.25833	16.65283	8.86797	No data
16/03/23 10:00	14.21609	14.16259	No data	No data
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16/03/23 12:00	13.39275	14.82405	6.48656	No data
16/03/23 13:00	12.55274	11.30095	6.42864	No data
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16/03/23 18:00	17.7671	18.73863	11.06947	No data
16/03/23 19:00	13.94465	12.84886	16.37356	No data
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16/03/23 21:00	11.31705	11.07212	11.74672	No data
16/03/23 22:00	11.32122	10.41197	10.21617	No data
16/03/23 23:00	11.01445	13.35812	9.48619	No data
17/03/23 00:00	8.49133	13.86501	7.38502	No data
17/03/23 01:00	8.16215	11.43829	3.81884	No data
17/03/23 02:00	8.2293	13.60028	2.81702	No data
17/03/23 03:00	5.50222	11.77636	3.48406	No data
17/03/23 04:00	5.60587	10.40603	3.58102	No data
17/03/23 05:00	5.09263	7.91878	4.63211	No data
17/03/23 06:00	9.72177	14.41714	8.88257	No data
17/03/23 07:00	18.1617	19.64503	19.14461	No data
17/03/23 08:00	29.31836	32.92994	21.94827	No data
17/03/23 09:00	21.8635	28.35485	19.21278	No data
17/03/23 10:00	15.95977	23.78706	10.67127	No data
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17/03/23 19:00	18.98088	26.75188	38.65751	No data
17/03/23 20:00	15.84171	25.43064	24.40453	No data
17/03/23 21:00	15.7314	19.34054	23.59548	No data
17/03/23 22:00	14.96862	20.71171	20.20872	No data
17/03/23 23:00	12.95958	13.90902	15.81318	No data
18/03/23 00:00	19.48828	11.62487	14.52312	No data
18/03/23 01:00	16.24686	10.41799	8.74622	No data
18/03/23 02:00	7.96976	10.41799	8.17217	No data
18/03/23 03:00	7.15142	8.72662	8.31459	No data
18/03/23 04:00	7.15558	8.11747	9.03174	No data
18/03/23 05:00	6.74099	7.15343	11.42124	No data
18/03/23 06:00	6.68709	7.91431	9.60379	No data
18/03/23 07:00	10.34199	9.53722	11.4667	No data
18/03/23 08:00	12.4091	10.09374	12.17681	No data
18/03/23 09:00	13.04181	13.28933	7.68334	No data
18/03/23 10:00	14.3834	10.24137	9.20857	No data
18/03/23 11:00	11.71273	9.88819	7.2507	No data
18/03/23 12:00	6.92021	17.09134	6.53657	No data
18/03/23 13:00	8.42018	12.67438	5.62684	No data
18/03/23 14:00	8.57606	13.48139	6.20022	No data
18/03/23 15:00	8.97899	22.51352	4.52787	No data
18/03/23 16:00	10.15802	23.22604	5.77462	No data
18/03/23 17:00	14.42314	21.25285	5.67431	No data
18/03/23 18:00	17.80684	29.57485	8.63484	No data
18/03/23 19:00	17.90716	55.41963	8.93411	No data
18/03/23 20:00	25.31311	39.75949	10.40683	No data
18/03/23 21:00	28.28639	41.85178	9.26241	No data
18/03/23 22:00	15.48603	27.79849	12.17547	No data
18/03/23 23:00	8.59248	13.38656	4.10597	No data

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19/03/23 02:00	6.44524	8.17936	2.53158	No data
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19/03/23 09:00	9.95322	6.74022	5.43562	No data
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19/03/23 19:00	17.65346	29.15621	19.97977	No data
19/03/23 20:00	24.74847	34.16823	19.59584	No data
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19/03/23 22:00	16.10875	28.24019	9.6546	No data
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20/03/23 09:00	28.63531	22.13699	10.30696	No data
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20/03/23 17:00	26.89972	20.51201	9.78419	No data
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21/03/23 11:00	10.28083	10.27198	4.91606	No data
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21/03/23 14:00	6.86963	8.85613	3.24306	No data
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21/03/23 16:00	8.46742	13.00688	4.96392	No data
21/03/23 17:00	7.94085	13.46524	6.25057	No data
21/03/23 18:00	11.03111	14.58061	8.35526	No data
21/03/23 19:00	14.56487	14.78689	9.26872	No data
21/03/23 20:00	13.69511	14.78915	7.6439	No data
21/03/23 21:00	9.10822	12.25602	3.15329	No data
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21/03/23 23:00	7.41345	7.44515	2.77258	No data
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22/03/23 03:00	2.31748	7.08393	1.24305	No data
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22/03/23 08:00	19.5591	17.60646	8.64945	No data
22/03/23 09:00	25.93132	22.30644	9.3649	No data
22/03/23 10:00	12.50216	16.23318	6.58817	No data
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22/03/23 13:00	6.76182	8.90152	2.85965	No data
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22/03/23 23:00	7.15641	7.23826	1.5779	No data
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23/03/23 01:00	3.22707	4.45161	No data	No data
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23/03/23 05:00	5.51972	6.27332	2.48649	No data
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23/03/23 09:00	12.30403	14.86245	7.69358	No data
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23/03/23 20:00	22.68635	17.55127	6.59761	No data
23/03/23 21:00	26.17787	18.21258	6.17459	No data
23/03/23 22:00	24.94243	16.28943	6.70176	No data
23/03/23 23:00	14.97112	12.34371	5.69681	No data
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24/03/23 03:00	3.50818	7.33037	1.24317	No data
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24/03/23 08:00	21.82625	13.893	7.06987	No data
24/03/23 09:00	17.21853	10.80823	5.0139	No data
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24/03/23 11:00	8.44267	9.08778	2.38527	No data
24/03/23 12:00	7.80496	8.38351	2.90942	No data
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24/03/23 18:00	9.74426	12.57995	7.06929	No data
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24/03/23 22:00	7.06193	8.54317	3.25006	No data
24/03/23 23:00	7.11417	8.08804	2.1521	No data
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25/03/23 01:00	5.77425	4.44567	1.48278	No data
25/03/23 02:00	3.02366	3.03172	0.90788	No data
25/03/23 03:00	4.33402	3.78947	0.42912	No data
25/03/23 04:00	4.24621	4.14325	0.28476	No data
25/03/23 05:00	2.68566	4.79761	0.18975	No data
25/03/23 06:00	2.99328	8.88872	0.23683	No data
25/03/23 07:00	4.18147	8.03025	0.13898	No data
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25/03/23 09:00	6.36139	11.71153	1.62034	No data
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25/03/23 11:00	6.15327	12.56237	1.95502	No data
25/03/23 12:00	7.85137	10.4959	2.24006	No data
25/03/23 13:00	7.39787	12.10378	2.38414	No data
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25/03/23 17:00	13.86183	21.74387	2.67372	No data
25/03/23 18:00	15.65691	21.05583	5.45153	No data
25/03/23 19:00	20.78512	58.5779	11.44307	No data
25/03/23 20:00	25.62655	53.4519	15.23143	No data
25/03/23 21:00	27.77149	31.83213	12.59968	No data
25/03/23 22:00	13.93548	21.47454	13.65476	No data
25/03/23 23:00	10.85106	21.57686	11.21248	No data
26/03/23 00:00	7.09501	12.27813	14.94979	No data
26/03/23 01:00	7.68012	10.57216	10.03307	No data
26/03/23 02:00	6.37531	7.54032	13.23047	No data
26/03/23 03:00	4.57773	7.82721	11.05674	No data
26/03/23 04:00	6.80656	8.48206	10.06587	No data
26/03/23 05:00	6.0777	28.32084	10.30396	No data
26/03/23 06:00	10.08495	26.29648	6.85296	No data
26/03/23 07:00	9.78234	6.81753	5.89341	No data
26/03/23 08:00	7.8347	5.1007	6.36876	No data
26/03/23 09:00	6.12994	5.65507	3.68661	No data

26/03/23 10:00	4.99982	7.06812	1.4823	No data
26/03/23 11:00	4.6408	6.25941	1.5782	No data
26/03/23 12:00	4.23288	15.19125	1.48092	No data
26/03/23 13:00	4.33486	21.24522	1.76972	No data
26/03/23 14:00	5.72701	24.47381	2.00809	No data
26/03/23 15:00	5.46248	30.43354	2.82379	No data
26/03/23 16:00	6.39197	35.33559	2.96543	No data
26/03/23 17:00	8.54524	26.95383	2.77557	No data
26/03/23 18:00	9.26827	14.28366	5.4533	No data
26/03/23 19:00	11.01111	23.37203	7.36218	No data
26/03/23 20:00	10.90413	35.13658	6.17724	No data
26/03/23 21:00	13.88574	37.10953	3.16082	No data
26/03/23 22:00	15.17009	51.29378	3.15889	No data
26/03/23 23:00	9.97464	34.68787	1.72398	No data
27/03/23 00:00	8.12565	28.7799	2.01003	No data
27/03/23 01:00	11.92978	9.62339	2.20273	No data
27/03/23 02:00	10.97018	10.22917	1.67402	No data
27/03/23 03:00	8.58748	34.87096	1.81953	No data
27/03/23 04:00	7.71439	18.11644	3.16208	No data
27/03/23 05:00	10.02771	30.729	12.46182	No data
27/03/23 06:00	21.03383	60.04188	17.77812	No data
27/03/23 07:00	49.8781	81.01559	37.5109	No data
27/03/23 08:00	39.64251	75.51826	31.452	No data
27/03/23 09:00	27.38488	40.92426	12.39987	No data
27/03/23 10:00	12.50883	38.32491	10.05055	No data
27/03/23 11:00	11.37704	29.9957	5.88734	No data
27/03/23 12:00	13.98964	18.10046	5.11718	No data
27/03/23 13:00	10.07603	14.72218	5.98328	No data
27/03/23 14:00	8.77253	19.76401	5.68983	No data
27/03/23 15:00	9.96072	18.40479	6.50904	No data
27/03/23 16:00	9.59504	18.90762	7.7066	No data
27/03/23 17:00	12.0195	18.76139	10.05835	No data
27/03/23 18:00	7.67132	22.20361	13.2137	No data
27/03/23 19:00	11.83029	20.69313	33.64212	No data
27/03/23 20:00	19.54385	14.58725	40.22439	No data
27/03/23 21:00	20.51809	13.93099	44.38303	No data
27/03/23 22:00	25.46483	13.3757	26.85496	No data
27/03/23 23:00	14.72325	14.9911	15.96423	No data
28/03/23 00:00	8.949	13.42654	9.7336	No data
28/03/23 01:00	6.64976	11.09764	8.53815	No data
28/03/23 02:00	8.74337	9.34889	6.6185	No data
28/03/23 03:00	7.25006	8.97964	6.13734	No data
28/03/23 04:00	7.09584	5.24623	9.30512	No data
28/03/23 05:00	7.76413	6.86032	11.70305	No data
28/03/23 06:00	15.07311	9.8865	15.8266	No data
28/03/23 07:00	25.85575	20.47698	23.06054	No data
28/03/23 08:00	33.75936	26.26915	26.41581	No data
28/03/23 09:00	22.70409	17.54376	25.86811	No data
28/03/23 10:00	16.91734	15.27344	17.15475	No data
28/03/23 11:00	19.15034	18.20016	12.70054	No data
28/03/23 12:00	13.50781	15.97994	7.85277	No data
28/03/23 13:00	10.05771	10.38506	6.08126	No data
28/03/23 14:00	10.57261	11.29283	6.89987	No data
28/03/23 15:00	11.23424	11.2431	8.91	No data
28/03/23 16:00	11.187	13.21052	9.19948	No data
28/03/23 17:00	13.96881	13.96802	10.8307	No data
28/03/23 18:00	14.16694	14.22154	13.85348	No data
28/03/23 19:00	11.37346	15.18138	11.84309	No data
28/03/23 20:00	14.51096	14.27397	10.11616	No data
28/03/23 21:00	11.05835	14.42533	8.7718	No data
28/03/23 22:00	13.17438	12.96278	8.87221	No data
28/03/23 23:00	9.10405	12.40583	6.76141	No data
29/03/23 00:00	10.80632	5.59849	4.65138	No data
29/03/23 01:00	5.14404	5.24242	3.70845	No data
29/03/23 02:00	4.88617	6.38483	3.69363	No data
29/03/23 03:00	5.14654	5.64597	2.36506	No data
29/03/23 04:00	4.3721	7.41037	5.11583	No data
29/03/23 05:00	6.58344	13.25803	4.26737	No data
29/03/23 06:00	11.27065	24.44514	6.57021	No data
29/03/23 07:00	22.73658	25.94836	14.57464	No data
29/03/23 08:00	18.93721	21.40804	16.00785	No data
29/03/23 09:00	15.06419	14.95858	13.7939	No data
29/03/23 10:00	14.08245	12.84631	11.02629	No data
29/03/23 11:00	12.80144	14.306	12.32311	No data
29/03/23 12:00	14.19943	14.00238	12.89304	No data
29/03/23 13:00	12.15731	14.10123	8.57817	24.76862
29/03/23 14:00	12.51383	15.2116	7.18916	20.91823
29/03/23 15:00	11.93002	13.95196	7.95059	17.35711
29/03/23 16:00	12.79228	14.66204	7.95262	15.31275
29/03/23 17:00	13.19854	13.20017	8.1906	17.21203
29/03/23 18:00	13.0029	14.41447	11.59444	16.77746
29/03/23 19:00	12.1529	11.79544	7.48378	15.99699
29/03/23 20:00	10.39423	10.6361	7.91097	12.82771
29/03/23 21:00	10.40922	11.29176	6.47065	12.19364
29/03/23 22:00	17.66762	12.29983	5.37041	15.5101
29/03/23 23:00	9.00624	9.77874	2.54158	13.80295
30/03/23 00:00	6.28666	8.46796	3.11735	9.36474
30/03/23 01:00	4.33375	4.03088	1.77476	8.3918
30/03/23 02:00	3.14833	5.50784	1.14976	8.26181

30/03/23 03:00	3.04135	3.82926	0.9109	7.99979
30/03/23 04:00	4.17314	4.78488	2.20718	5.26903
30/03/23 05:00	8.23846	6.14693	3.98169	5.56232
30/03/23 06:00	12.19931	13.04865	3.74085	9.12389
30/03/23 07:00	25.5059	17.42656	7.23889	18.54254
30/03/23 08:00	21.97714	16.77073	7.95376	22.5416
30/03/23 09:00	14.08162	16.97194	4.93197	17.02689
30/03/23 10:00	11.87861	16.46419	4.64459	15.51341
30/03/23 11:00	10.5312	12.83668	4.83716	13.36211
30/03/23 12:00	7.8622	11.07113	3.82604	13.46284
30/03/23 13:00	7.13667	10.46752	3.11117	8.09697
30/03/23 14:00	5.93931	9.56064	2.9676	7.85242
30/03/23 15:00	6.76432	10.06639	4.30648	8.6829
30/03/23 16:00	7.28006	12.0808	5.26811	12.14682
30/03/23 17:00	9.39108	11.48011	5.22305	17.36769
30/03/23 18:00	10.91663	12.13593	6.28047	15.07582
30/03/23 19:00	9.62062	14.45871	7.38887	19.32196
30/03/23 20:00	7.92252	10.93272	5.90322	25.17601
30/03/23 21:00	5.91431	8.81644	5.56634	18.6375
30/03/23 22:00	6.17218	7.6083	5.66361	22.83349
30/03/23 23:00	4.83477	4.63608	3.93564	20.34441
31/03/23 00:00	3.49901	3.52745	2.78268	19.71199
31/03/23 01:00	2.67539	3.82657	2.54382	11.71517
31/03/23 02:00	2.93187	4.7652	2.30243	5.98704
31/03/23 03:00	1.9029	4.4297	1.77522	6.05222
31/03/23 04:00	2.31582	4.32916	2.01541	8.73635
31/03/23 05:00	3.08609	4.33081	3.5036	9.27336
31/03/23 06:00	5.14571	6.19459	7.0562	22.30233
31/03/23 07:00	15.20175	9.66868	12.19331	33.28172
31/03/23 08:00	20.29938	13.69401	15.26027	36.06216
31/03/23 09:00	19.17509	10.3677	13.14472	37.08417
31/03/23 10:00	17.49032	8.553	8.87372	31.47375
31/03/23 11:00	15.53351	20.46031	6.27732	30.54431
31/03/23 12:00	17.22245	24.5849	6.51727	31.3215
31/03/23 13:00	19.51769	22.11769	6.23048	28.39466
31/03/23 14:00	22.41064	25.89854	7.62021	31.61503
31/03/23 15:00	18.77049	26.49226	8.77142	30.00084
31/03/23 16:00	25.55623	31.7629	7.71843	29.07967
31/03/23 17:00	30.82058	23.13154	12.27048	28.69094
31/03/23 18:00	31.46471	26.10971	9.88106	25.32797
31/03/23 19:00	18.99087	30.78957	9.73599	25.71946
31/03/23 20:00	17.95857	29.18548	10.89415	17.61953
31/03/23 21:00	19.02812	30.83791	8.54607	15.42283
31/03/23 22:00	11.87837	24.65231	5.61676	13.22624
31/03/23 23:00	12.44718	21.49084	3.21753	16.78944
01/04/23 00:00	11.67274	21.7965	2.35119	13.51893
01/04/23 01:00	7.40373	18.78011	No data	11.78301
01/04/23 02:00	7.75089	15.82946	2.81673	10.08931
01/04/23 03:00	6.5926	15.14336	2.44754	10.39741
01/04/23 04:00	7.25423	17.60617	2.23915	9.42241
01/04/23 05:00	6.79157	21.98825	1.40682	10.10529
01/04/23 06:00	9.41749	18.61614	2.48725	10.20336
01/04/23 07:00	8.64972	28.46036	3.06251	12.25312
01/04/23 08:00	11.12892	25.1843	3.44904	14.10635
01/04/23 09:00	14.06329	19.50241	4.30985	13.66788
01/04/23 10:00	15.26982	22.67098	3.97207	22.99025
01/04/23 11:00	14.48871	25.93579	4.59748	24.74789
01/04/23 12:00	13.11155	19.3999	4.55174	24.40451
01/04/23 13:00	11.30397	24.77537	5.07849	32.35763
01/04/23 14:00	8.1084	22.11419	6.47416	25.72104
01/04/23 15:00	8.7692	19.80625	7.29248	22.69734
01/04/23 16:00	10.16135	24.5285	6.7662	30.55521
01/04/23 17:00	10.98053	29.60806	7.00508	26.26208
01/04/23 18:00	11.84196	30.02086	9.2142	24.16128
01/04/23 19:00	14.41231	26.15021	7.24396	21.38025
01/04/23 20:00	13.01932	21.48106	4.60258	17.23352
01/04/23 21:00	13.38084	20.92481	3.93097	12.15483
01/04/23 22:00	9.68286	27.91923	3.25659	10.4476
01/04/23 23:00	6.94662	34.1122	2.30291	9.27449
02/04/23 00:00	6.94579	36.12735	2.0638	7.56653
02/04/23 01:00	3.56756	38.28462	1.34303	8.79023
02/04/23 02:00	5.96766	11.66737	1.34303	13.40847
02/04/23 03:00	6.12911	27.00298	1.34243	7.27412
02/04/23 04:00	5.45415	37.01015	0.95875	6.10395
02/04/23 05:00	4.22121	29.36815	1.00592	3.95637
02/04/23 06:00	4.58439	24.99344	3.59306	4.05299
02/04/23 07:00	5.5628	28.41258	3.40459	6.78936
02/04/23 08:00	6.38864	26.44871	3.11616	10.20614
02/04/23 09:00	6.33723	17.49642	2.25467	10.15843
02/04/23 10:00	6.80906	17.99519	2.87759	8.54557
02/04/23 11:00	6.55036	20.15174	3.93293	9.66867
02/04/23 12:00	7.78663	13.81669	3.2123	8.74041
02/04/23 13:00	5.53055	12.76385	3.16288	11.76761
02/04/23 14:00	5.78592	9.44773	3.11683	10.88707
02/04/23 15:00	4.59689	13.2654	2.87535	8.93526
02/04/23 16:00	4.69721	8.39247	2.25355	9.66913
02/04/23 17:00	4.74611	6.33375	1.48664	7.52121
02/04/23 18:00	4.3821	4.77491	1.77597	11.18566
02/04/23 19:00	5.97905	7.29062	2.5449	15.53403

02/04/23 20:00	7.93252	5.73345	3.69751	15.09473
02/04/23 21:00	8.34128	7.19187	3.4102	17.19494
02/04/23 22:00	10.40422	7.09145	3.74626	18.31896
02/04/23 23:00	6.74766	6.48725	4.2272	17.92771
03/04/23 00:00	4.26762	9.45347	4.70837	11.43109
03/04/23 01:00	4.5957	10.98767	6.85673	10.16366
03/04/23 02:00	4.4575	7.90796	5.38198	9.05633
03/04/23 03:00	5.29826	8.54407	5.62127	12.55874
03/04/23 04:00	8.4855	28.29038	7.92783	9.77301
03/04/23 05:00	13.21995	33.9145	14.69652	14.31754
03/04/23 06:00	16.11208	50.27349	24.33127	29.95244
03/04/23 07:00	35.28516	61.34742	30.74444	45.38051
03/04/23 08:00	26.01605	42.5416	23.6706	50.49962
03/04/23 09:00	14.49062	13.95164	14.45694	27.30458
03/04/23 10:00	8.64497	4.31682	8.97734	17.33989
03/04/23 11:00	7.96501	4.5181	5.32883	16.26456
03/04/23 12:00	7.70964	5.97417	3.74144	15.7276
03/04/23 13:00	7.70631	3.56458	3.69617	16.50664
03/04/23 14:00	7.81329	5.55019	3.79039	16.01949
03/04/23 15:00	7.02719	4.16581	3.35997	14.36037
03/04/23 16:00	8.41934	5.02251	4.41729	16.16593
03/04/23 17:00	8.41684	4.77263	4.08219	17.19357
03/04/23 18:00	10.41589	5.37722	6.58458	15.48968
03/04/23 19:00	10.80798	8.545	11.10457	19.30205
03/04/23 20:00	11.31622	11.15923	14.27826	20.52372
03/04/23 21:00	13.63871	11.86306	14.47236	21.84289
03/04/23 22:00	13.68095	11.46087	10.6735	20.76732
03/04/23 23:00	13.27302	7.84136	11.82721	14.80528
04/04/23 00:00	12.03509	8.04227	7.98005	15.78339
04/04/23 01:00	11.86234	8.64019	No data	17.07795
04/04/23 02:00	14.94566	11.92079	7.75708	38.52036
04/04/23 03:00	16.78703	20.88927	7.11544	30.20932
04/04/23 04:00	18.62544	23.45863	7.83558	20.23873
04/04/23 05:00	13.54256	29.62496	10.56565	27.37301
04/04/23 06:00	17.65512	43.29884	22.84583	44.17658
04/04/23 07:00	19.42879	47.29686	28.26802	56.90006
04/04/23 08:00	18.65043	18.92077	33.74384	46.1639
04/04/23 09:00	17.89432	13.34727	19.44099	28.53689
04/04/23 10:00	19.22674	11.28839	8.7866	19.98703
04/04/23 11:00	17.32051	9.58366	9.26788	19.79134
04/04/23 12:00	14.93079	11.23946	13.2549	18.08097
04/04/23 13:00	12.69696	12.09192	13.97587	16.17474
04/04/23 14:00	12.90342	10.58816	13.06624	21.10866
04/04/23 15:00	16.11732	13.70009	11.33795	22.76786
04/04/23 16:00	17.02598	13.80376	12.82487	25.26086
04/04/23 17:00	18.23893	17.47325	12.54147	19.50188
04/04/23 18:00	21.30919	22.59962	17.30533	20.87151
04/04/23 19:00	25.97307	29.03439	30.0037	27.42484
04/04/23 20:00	32.54651	36.32012	41.07755	47.85596
04/04/23 21:00	41.49468	39.1827	57.54513	43.70335
04/04/23 22:00	38.35801	37.9761	46.49032	36.51838
04/04/23 23:00	24.58008	27.12774	34.77699	35.58973
05/04/23 00:00	23.25683	26.92714	33.09387	31.57942
05/04/23 01:00	25.31117	19.34669	29.19096	36.57833
05/04/23 02:00	12.13874	16.6686	23.09491	29.53411
05/04/23 03:00	11.11393	15.664	14.77059	22.73695
05/04/23 04:00	10.54178	16.21504	10.96895	23.27594
05/04/23 05:00	31.50828	15.21057	10.29521	22.98565
05/04/23 06:00	35.5342	23.14121	24.29054	33.19941
05/04/23 07:00	31.67142	30.8629	35.52639	29.92069
05/04/23 08:00	26.20561	24.07891	23.79452	30.11743
05/04/23 09:00	22.29117	22.21986	16.09845	25.61786
05/04/23 10:00	17.39583	18.25557	13.26052	20.8288
05/04/23 11:00	16.50525	17.70716	11.82083	20.38746
05/04/23 12:00	23.21483	20.21731	10.62196	19.40725
05/04/23 13:00	19.79697	20.67055	7.16023	23.17378
05/04/23 14:00	19.89895	21.02017	7.16165	21.90488
05/04/23 15:00	22.36483	22.82638	8.65108	20.33861
05/04/23 16:00	18.24393	24.13251	12.78595	25.17853
05/04/23 17:00	20.09375	17.61615	15.14162	22.5429
05/04/23 18:00	20.54725	23.29129	18.46059	21.17477
05/04/23 19:00	20.1135	21.33557	17.41379	20.53864
05/04/23 20:00	19.34322	19.22695	13.27569	15.69799
05/04/23 21:00	14.92138	16.86763	13.46394	14.67125
05/04/23 22:00	14.35424	15.0603	10.5336	16.82206
05/04/23 23:00	22.49738	13.8057	6.39773	14.42628
06/04/23 00:00	16.26047	7.42963	4.66565	13.98572
06/04/23 01:00	7.96985	5.82014	3.9774	16.17321
06/04/23 02:00	7.82943	9.49883	2.4366	16.95622
06/04/23 03:00	7.62574	7.9267	3.07933	15.70107
06/04/23 04:00	6.54036	8.47873	3.65665	16.03816
06/04/23 05:00	8.96899	12.14125	3.84239	17.56176
06/04/23 06:00	12.65864	19.91323	12.65608	18.14783
06/04/23 07:00	20.14599	34.33989	15.19727	23.91876
06/04/23 08:00	21.3875	32.56831	8.26951	25.33548
06/04/23 09:00	23.80114	19.6415	7.883	26.70378
06/04/23 10:00	17.39417	20.53802	8.60475	21.32204
06/04/23 11:00	10.54286	14.62797	6.00742	17.1178
06/04/23 12:00	9.60421	14.67551	3.93829	14.81888

06/04/23 13:00	12.22347	17.02964	4.98201	15.65028
06/04/23 14:00	13.41416	16.13105	4.60643	15.94329
06/04/23 15:00	15.14284	14.38159	3.98701	13.54458
06/04/23 16:00	16.39577	14.83476	4.61149	16.28547
06/04/23 17:00	11.13392	17.84072	4.56004	20.58955
06/04/23 18:00	10.24917	13.33338	5.62248	19.6148
06/04/23 19:00	11.57909	16.49501	5.76924	17.85464
06/04/23 20:00	11.11393	16.44785	7.26164	21.86684
06/04/23 21:00	13.94132	18.80198	7.36163	17.56126
06/04/23 22:00	15.12118	18.306	7.57044	20.49767
06/04/23 23:00	10.9033	14.74158	11.61489	22.21002
07/04/23 00:00	10.43897	11.13661	6.3526	16.38619
07/04/23 01:00	10.21954	10.42866	No data	17.22681
07/04/23 02:00	9.32626	14.50691	6.03399	20.42038
07/04/23 03:00	9.56672	18.45166	6.20938	19.6201
07/04/23 04:00	9.10155	21.45582	7.31649	33.8095
07/04/23 05:00	34.18928	27.91497	10.25271	39.53654
07/04/23 06:00	53.74618	35.61429	9.77206	38.6519
07/04/23 07:00	49.20212	43.46653	13.32085	39.31971
07/04/23 08:00	27.9681	34.3602	11.15218	38.48472
07/04/23 09:00	20.85618	15.12015	7.30392	26.90345
07/04/23 10:00	11.99392	21.13475	6.34073	24.73982
07/04/23 11:00	11.11084	7.71111	5.52258	15.99488
07/04/23 12:00	7.75189	10.11417	4.47001	14.91731
07/04/23 13:00	7.64741	6.60923	5.5254	18.48712
07/04/23 14:00	7.84803	8.46248	3.93989	15.55513
07/04/23 15:00	6.14077	11.86864	4.85529	12.81752
07/04/23 16:00	6.1366	6.71334	5.23944	15.11728
07/04/23 17:00	6.17968	8.36465	5.28873	21.03744
07/04/23 18:00	8.13148	19.04535	7.35471	18.34897
07/04/23 19:00	8.18622	20.45254	13.0439	25.54508
07/04/23 20:00	20.8257	15.19255	34.41019	30.63601
07/04/23 21:00	23.44913	12.08542	26.52611	29.36285
07/04/23 22:00	21.91108	7.82264	9.6302	18.35011
07/04/23 23:00	12.70505	7.62183	11.50636	20.65126
08/04/23 00:00	11.46961	6.31799	10.44666	21.48309
08/04/23 01:00	9.39258	5.74616	12.77406	20.75594
08/04/23 02:00	10.56558	11.29029	8.79624	12.59513
08/04/23 03:00	12.29404	21.79567	7.12622	16.93323
08/04/23 04:00	10.95637	28.15756	7.36747	22.61659
08/04/23 05:00	11.00945	24.78542	7.79746	33.14053
08/04/23 06:00	14.01855	41.15574	10.6569	36.05324
08/04/23 07:00	16.78752	34.77277	11.84871	22.41538
08/04/23 08:00	12.41101	23.14912	17.52386	18.88656
08/04/23 09:00	12.01309	5.95802	15.1895	19.76513
08/04/23 10:00	11.81662	5.70625	13.4645	18.24499
08/04/23 11:00	8.8306	5.40531	9.32993	15.11272
08/04/23 12:00	5.98155	4.15619	3.70458	14.48201
08/04/23 13:00	5.92764	4.20689	3.22299	16.63984
08/04/23 14:00	6.34223	3.85601	3.07936	14.48607
08/04/23 15:00	7.3198	3.00484	3.22515	16.88407
08/04/23 16:00	7.00803	3.40641	3.07954	16.83414
08/04/23 17:00	7.20782	5.05978	3.56239	18.35247
08/04/23 18:00	8.49633	7.41662	4.23651	16.25245
08/04/23 19:00	10.86855	7.46713	7.70633	25.25942
08/04/23 20:00	10.70517	7.11682	10.93418	22.12766
08/04/23 21:00	15.30623	7.31751	8.67023	24.91854
08/04/23 22:00	13.33776	7.01657	8.57279	23.84069
08/04/23 23:00	12.03509	7.71775	10.78947	24.5258
09/04/23 00:00	10.95221	7.71775	13.7759	23.68999
09/04/23 01:00	11.24212	7.61299	12.5925	19.19539
09/04/23 02:00	10.696	8.28041	8.60958	16.90931
09/04/23 03:00	11.15867	8.41413	5.78125	18.94851
09/04/23 04:00	11.21424	7.56289	4.19101	15.47356
09/04/23 05:00	11.72998	5.85964	3.61251	9.59803
09/04/23 06:00	11.88836	5.55926	4.67244	8.96179
09/04/23 07:00	11.4971	5.60859	5.49174	9.69632
09/04/23 08:00	8.40185	4.90667	5.24783	11.3116
09/04/23 09:00	8.61331	4.80552	6.59348	15.07993
09/04/23 10:00	9.90848	5.10591	7.36217	11.50536
09/04/23 11:00	8.92758	5.30437	6.49743	11.16223
09/04/23 12:00	8.72362	5.70475	5.72632	12.43424
09/04/23 13:00	8.09591	5.15562	4.13971	12.77738
09/04/23 14:00	8.24846	4.75562	3.03158	13.02446
09/04/23 15:00	9.16546	4.7061	3.32213	15.81604
09/04/23 16:00	9.05931	5.15754	4.09307	10.773
09/04/23 17:00	10.60236	6.36002	4.52716	21.15415
09/04/23 18:00	12.24572	8.61413	5.87609	18.26467
09/04/23 19:00	12.91151	9.61604	8.6211	22.13451
09/04/23 20:00	13.37167	8.86537	7.46754	19.6388
09/04/23 21:00	10.59569	10.21738	7.7054	20.12684
09/04/23 22:00	10.02771	6.51088	6.79299	26.78753
09/04/23 23:00	8.48383	5.25888	5.07487	12.87988
10/04/23 00:00	7.7658	4.65792	5.07509	11.16427
10/04/23 01:00	7.61269	4.60529	No data	14.30407
10/04/23 02:00	7.88464	4.60529	4.2411	13.06051
10/04/23 03:00	7.04444	4.45509	3.95155	17.28596
10/04/23 04:00	5.65644	4.70561	4.48222	14.10571
10/04/23 05:00	4.73278	4.95575	4.04715	13.08086

10/04/23 06:00	5.6067	6.00655	3.4696	10.82679
10/04/23 07:00	14.9947	7.70783	4.62536	9.89505
10/04/23 08:00	17.40583	8.30785	5.01056	11.31545
10/04/23 09:00	17.75818	7.6568	6.26407	10.87552
10/04/23 10:00	18.70684	9.05633	6.6955	10.77692
10/04/23 11:00	12.15898	8.65406	5.82586	9.45245
10/04/23 12:00	7.33646	6.90118	3.27212	7.63938
10/04/23 13:00	6.46004	6.10109	1.68278	6.85659
10/04/23 14:00	6.71041	6.35238	2.21163	5.14138
10/04/23 15:00	5.52222	5.99691	1.10457	4.11359
10/04/23 16:00	5.37133	5.49818	1.44123	4.06499
10/04/23 17:00	4.79585	6.502	1.39451	7.05339
10/04/23 18:00	5.41274	7.90134	1.49043	9.60105
10/04/23 19:00	6.23109	15.05304	1.44321	5.8788
10/04/23 20:00	6.48562	10.90529	1.39517	6.85893
10/04/23 21:00	7.56767	13.85493	1.49192	6.95686
10/04/23 22:00	5.97072	9.90513	1.34778	6.124
10/04/23 23:00	5.66311	8.05559	0.67315	6.02606
11/04/23 00:00	5.81733	6.10611	1.78219	6.22146
11/04/23 01:00	2.88768	6.33611	0.96269	10.12958
11/04/23 02:00	2.95623	6.13674	0.64179	6.1426
11/04/23 03:00	3.71714	4.40241	0.6254	7.40064
11/04/23 04:00	3.14333	7.8522	0.43201	9.50835
11/04/23 05:00	5.5628	9.85384	6.31346	10.14504
11/04/23 06:00	10.60152	16.95277	7.13273	12.39912
11/04/23 07:00	31.43188	22.9928	10.63988	19.01445
11/04/23 08:00	20.20347	23.08105	8.38179	13.03424
11/04/23 09:00	11.57934	16.93416	5.77662	11.95496
11/04/23 10:00	9.67311	10.54019	4.9583	7.54463
11/04/23 11:00	9.87457	9.34261	5.24973	7.39696
11/04/23 12:00	10.17468	9.74678	5.77962	7.54551
11/04/23 13:00	10.26583	10.14785	4.23912	8.62275
11/04/23 14:00	9.43665	9.69791	4.67303	12.78643
11/04/23 15:00	7.88694	7.64933	4.8193	11.17026
11/04/23 16:00	8.60914	8.24996	6.26492	12.15042
11/04/23 17:00	7.00553	7.6505	6.1683	16.94704
11/04/23 18:00	6.12661	7.70131	8.77379	17.92971
11/04/23 19:00	5.14904	6.60245	10.02681	15.77844
11/04/23 20:00	4.68221	5.70258	6.74974	11.41712
11/04/23 21:00	5.61754	6.45293	3.75968	6.41966
11/04/23 22:00	5.20711	6.15329	3.13206	5.39137
11/04/23 23:00	4.28262	5.65273	1.34868	8.96976
12/04/23 00:00	4.02308	4.55271	1.05978	4.70512
12/04/23 01:00	4.40673	4.19977	1.47877	3.85603
12/04/23 02:00	4.32819	5.66663	1.47736	6.27533
12/04/23 03:00	6.34057	4.14996	1.78393	5.2459
12/04/23 04:00	9.37608	13.09957	1.63813	8.38296
12/04/23 05:00	16.48026	11.24914	4.62898	13.08897
12/04/23 06:00	20.65173	14.79726	6.07488	18.04204
12/04/23 07:00	15.44903	17.04015	7.51867	16.22666
12/04/23 08:00	15.21116	15.88474	6.84291	14.26383
12/04/23 09:00	10.24775	11.33628	5.39656	10.43811
12/04/23 10:00	8.3796	No data	3.61309	12.35087
12/04/23 11:00	7.23532	7.86042	3.5175	15.19088
12/04/23 12:00	8.20872	7.54358	No data	16.56437
12/04/23 13:00	7.03635	7.74225	4.04791	11.07454
12/04/23 14:00	11.10917	7.09236	4.04655	10.43832
12/04/23 15:00	8.8331	16.73621	3.99726	9.85086
12/04/23 16:00	10.27833	12.38701	5.20418	11.95622
12/04/23 17:00	7.53459	15.53372	6.07051	10.44075
12/04/23 18:00	8.40685	19.82863	7.32598	9.41265
12/04/23 19:00	11.85029	20.03665	5.7364	14.07039
12/04/23 20:00	12.50358	18.33662	5.64096	13.13919
12/04/23 21:00	10.4623	17.18432	3.18173	7.99185
12/04/23 22:00	7.66965	10.24082	3.90498	8.77567
12/04/23 23:00	4.42851	9.44481	2.1693	8.13889
13/04/23 00:00	3.86303	6.69523	1.41363	7.40356
13/04/23 01:00	1.98996	5.93148	No data	8.50019
13/04/23 02:00	1.99441	3.13315	0.51342	7.65067
13/04/23 03:00	2.94104	4.14955	0.43303	3.82482
13/04/23 04:00	3.04468	3.59899	0.43273	6.47262
13/04/23 05:00	4.17397	7.34866	1.01143	6.32397
13/04/23 06:00	9.64728	19.44327	1.83026	7.45483
13/04/23 07:00	14.13803	19.13737	5.06158	12.40775
13/04/23 08:00	15.78046	16.13175	3.6127	11.57172
13/04/23 09:00	8.32569	10.33642	2.98647	11.47403
13/04/23 10:00	6.61843	8.43875	2.69558	No data
13/04/23 11:00	5.74118	8.34021	3.03533	9.80229
13/04/23 12:00	8.31903	8.08833	3.46718	12.99225
13/04/23 13:00	7.28506	9.6856	3.37139	10.88313
13/04/23 14:00	7.75438	9.38901	2.5046	18.6265
13/04/23 15:00	8.46408	10.18841	2.7459	13.28396
13/04/23 16:00	8.47325	19.52511	5.78226	12.79807
13/04/23 17:00	9.0818	10.94138	5.78403	16.32941
13/04/23 18:00	10.04771	15.68848	8.34189	13.19191
13/04/23 19:00	11.32705	18.59783	17.51131	14.9585
13/04/23 20:00	19.64917	27.1566	21.51923	21.53212
13/04/23 21:00	27.98045	45.25638	19.4456	31.48765
13/04/23 22:00	23.16734	61.74768	18.91531	20.55089

13/04/23 23:00	14.05663	39.21448	11.62913	45.65875
14/04/23 00:00	17.59372	34.16414	13.02872	43.84663
14/04/23 01:00	8.98021	18.28357	10.03957	22.40134
14/04/23 02:00	6.38225	11.34284	8.23764	26.39959
14/04/23 03:00	5.6142	7.90566	7.52925	25.10151
14/04/23 04:00	7.77663	7.05538	9.8458	49.10492
14/04/23 05:00	10.75658	9.10712	13.36997	46.16371
14/04/23 06:00	11.57742	11.30885	19.4982	39.1881
14/04/23 07:00	18.30533	14.11001	27.502	42.0385
14/04/23 08:00	16.72754	15.75701	28.55558	37.46733
14/04/23 09:00	15.59825	13.90163	15.86508	33.04633
14/04/23 10:00	13.62229	9.74865	11.62497	31.32542
14/04/23 11:00	6.77182	10.00136	8.10064	29.36123
14/04/23 12:00	10.68542	4.99846	15.14122	21.1658
14/04/23 13:00	9.74926	7.15198	12.78317	20.87048
14/04/23 14:00	11.28398	10.9538	12.97843	31.62813
14/04/23 15:00	13.69761	24.35667	14.95633	33.98262
14/04/23 16:00	22.81499	32.15981	18.04703	42.42274
14/04/23 17:00	27.87788	36.46408	21.47782	38.21115
14/04/23 18:00	24.14241	29.96437	29.82402	33.05783
14/04/23 19:00	23.71199	20.46769	24.75284	36.99328
14/04/23 20:00	18.15586	13.81113	14.90488	34.58743
14/04/23 21:00	17.53565	22.90825	11.58015	33.50769
14/04/23 22:00	17.02324	19.55883	10.13373	42.05363
14/04/23 23:00	17.89549	20.36165	4.87333	43.62295
15/04/23 00:00	16.61032	21.16428	4.77749	30.21349
15/04/23 01:00	14.80968	38.78518	5.47075	24.53823
15/04/23 02:00	20.36387	19.4243	3.53929	14.95693
15/04/23 03:00	18.17503	17.07385	5.02102	15.10649
15/04/23 04:00	17.70403	11.01274	6.75852	14.96041
15/04/23 05:00	19.80755	14.56786	3.37827	13.1404
15/04/23 06:00	21.56872	15.86545	3.85725	19.63535
15/04/23 07:00	25.45783	22.86958	5.1597	22.68505
15/04/23 08:00	20.61306	29.61679	6.02711	23.96409
15/04/23 09:00	15.8842	27.56339	7.95623	26.81472
15/04/23 10:00	15.52935	31.96333	6.366	21.69477
15/04/23 11:00	13.87599	26.30616	7.18582	15.98628
15/04/23 12:00	13.51531	14.00448	5.93405	15.34942
15/04/23 13:00	11.24923	7.35294	4.77408	18.15594
15/04/23 14:00	11.91336	9.75587	4.77408	17.61247
15/04/23 15:00	10.81715	7.30249	5.20954	18.05883
15/04/23 16:00	12.00034	8.80259	5.01567	15.45344
15/04/23 17:00	12.6189	11.70802	5.97812	27.65412
15/04/23 18:00	13.69345	16.21589	7.38068	25.63823
15/04/23 19:00	29.54015	32.54383	17.76019	31.84153
15/04/23 20:00	41.81895	46.91513	24.27838	51.41881
15/04/23 21:00	31.47279	75.17001	23.98947	66.26258
15/04/23 22:00	24.11659	70.49422	32.56631	69.06204
15/04/23 23:00	18.09946	57.71239	26.73968	41.73135
16/04/23 00:00	17.9494	46.21228	17.22434	33.31908
16/04/23 01:00	15.9097	47.89131	No data	39.70262
16/04/23 02:00	15.22205	36.60239	11.45437	35.16008
16/04/23 03:00	20.27022	34.61481	8.58762	44.69067
16/04/23 04:00	14.51263	16.98193	9.40195	39.5288
16/04/23 05:00	11.72665	11.17077	23.65387	28.84363
16/04/23 06:00	19.96844	14.77795	30.74812	28.64571
16/04/23 07:00	20.81262	14.27435	25.13075	25.19236
16/04/23 08:00	20.58391	16.02064	22.14443	22.23267
16/04/23 09:00	13.29468	14.61797	11.91949	15.87411
16/04/23 10:00	8.2982	12.06091	6.17547	12.76819
16/04/23 11:00	8.45492	7.96065	4.92062	6.9016
16/04/23 12:00	8.25263	8.45969	3.42588	7.29591
16/04/23 13:00	7.53043	10.46426	3.90619	7.98591
16/04/23 14:00	6.1391	10.76635	3.27986	8.62709
16/04/23 15:00	7.01469	7.81205	4.24626	10.20458
16/04/23 16:00	7.62824	8.16338	5.45336	9.31788
16/04/23 17:00	7.32147	12.61988	5.01915	10.45151
16/04/23 18:00	7.62158	12.81998	5.88797	11.43847
16/04/23 19:00	12.1454	18.68231	5.55134	15.77749
16/04/23 20:00	15.74556	18.03468	13.81263	16.71333
16/04/23 21:00	11.98452	19.78903	10.52837	20.26439
16/04/23 22:00	22.37291	18.03573	19.07799	21.20162
16/04/23 23:00	13.3211	17.38319	17.72597	21.74229
17/04/23 00:00	8.99874	15.37879	17.82272	36.32662
17/04/23 01:00	5.82836	14.90277	13.91425	26.99061
17/04/23 02:00	5.62162	10.02281	9.53316	17.71304
17/04/23 03:00	6.0163	7.96736	9.08123	25.83199
17/04/23 04:00	7.05777	6.76413	8.01951	29.58588
17/04/23 05:00	4.8945	9.9227	10.82064	26.81799
17/04/23 06:00	7.66632	19.88736	21.88356	30.36121
17/04/23 07:00	16.64031	18.04047	18.59788	33.36358
17/04/23 08:00	19.53601	17.68046	16.51633	39.93089
17/04/23 09:00	13.08014	14.52582	14.1976	29.62312
17/04/23 10:00	10.84714	7.86094	8.20757	24.78018
17/04/23 11:00	10.37781	6.31099	5.26308	25.17559
17/04/23 12:00	7.48568	6.15886	6.18198	26.85483
17/04/23 13:00	8.35544	7.76526	6.18144	24.33946
17/04/23 14:00	9.5353	8.86377	7.04773	21.17973
17/04/23 15:00	12.84035	11.81853	5.45596	20.34325

17/04/23 16:00	11.60575	6.91286	3.57333	22.76282
17/04/23 17:00	10.67376	6.21173	3.91211	18.51634
17/04/23 18:00	7.92835	7.21183	3.86392	16.69069
17/04/23 19:00	8.59415	10.57079	3.23642	19.40855
17/04/23 20:00	12.55416	10.01923	5.50723	15.45944
17/04/23 21:00	10.96137	9.36433	4.39572	13.13665
17/04/23 22:00	9.77484	8.06389	3.57266	8.93956
17/04/23 23:00	10.54512	5.61208	3.38125	7.5559
18/04/23 00:00	8.2268	10.37601	3.38058	6.12458
18/04/23 01:00	8.98132	5.54754	2.83482	4.6833
18/04/23 02:00	7.68012	5.94867	1.352	5.67304
18/04/23 03:00	6.06937	5.01352	1.11002	4.94734
18/04/23 04:00	5.51056	5.06434	1.11041	5.63924
18/04/23 05:00	4.78336	6.06788	1.35183	6.2828
18/04/23 06:00	6.63651	6.61807	3.57383	9.15193
18/04/23 07:00	9.37608	17.79666	4.83016	17.95622
18/04/23 08:00	10.93329	25.10783	6.85738	29.32827
18/04/23 09:00	10.31724	19.44361	4.68489	24.77523
18/04/23 10:00	9.70452	10.77195	4.00819	22.05558
18/04/23 11:00	8.87867	6.81643	3.76756	22.64688
18/04/23 12:00	8.04616	6.26623	2.89804	15.18404
18/04/23 13:00	8.042	5.91489	2.84866	18.15148
18/04/23 14:00	7.88444	5.31287	2.89791	16.91564
18/04/23 15:00	8.14731	6.56609	3.42974	16.71755
18/04/23 16:00	8.19122	6.16573	3.38192	15.82907
18/04/23 17:00	8.29403	6.56708	3.67207	14.39486
18/04/23 18:00	7.36371	8.47116	3.96208	11.82345
18/04/23 19:00	8.18206	8.722	4.39776	11.42839
18/04/23 20:00	7.56267	9.3255	5.02573	11.5284
18/04/23 21:00	8.02284	9.57684	4.20402	10.78609
18/04/23 22:00	10.4423	7.82261	4.73506	8.65856
18/04/23 23:00	8.58665	9.83049	3.6722	7.52054
19/04/23 00:00	7.33519	7.67375	3.67272	6.97595
19/04/23 01:00	7.47116	8.63122	No data	6.08013
19/04/23 02:00	6.78907	9.16642	No data	4.82416
19/04/23 03:00	8.32961	13.8003	3.41574	4.55999
19/04/23 04:00	8.07508	14.14958	4.01206	5.55041
19/04/23 05:00	11.82863	12.94378	4.34988	6.44256
19/04/23 06:00	13.68428	11.93875	6.62031	11.05115
19/04/23 07:00	15.55993	10.12659	7.34467	18.73096
19/04/23 08:00	14.59902	11.67895	7.87385	26.0585
19/04/23 09:00	13.37608	9.77378	7.39264	24.76995
19/04/23 10:00	12.91675	9.87193	5.84568	21.25307
19/04/23 11:00	11.11251	7.86861	5.07157	21.69976
19/04/23 12:00	9.56946	7.51885	5.02398	18.4298
19/04/23 13:00	9.55946	7.62068	4.44046	14.66538
19/04/23 14:00	10.0602	6.36757	4.73566	17.68698
19/04/23 15:00	10.03962	5.9171	3.23655	17.88305
19/04/23 16:00	18.96569	7.02011	3.3335	11.69361
19/04/23 17:00	26.48529	7.67328	3.33376	11.59529
19/04/23 18:00	16.55048	7.2714	3.09251	11.69479
19/04/23 19:00	16.06199	8.126	3.383	13.47986
19/04/23 20:00	22.37948	7.7748	3.18985	13.38169
19/04/23 21:00	26.05545	8.98044	3.38249	9.61522
19/04/23 22:00	22.86155	15.90449	4.59138	10.35851
19/04/23 23:00	19.22806	54.59902	3.33452	10.9025
20/04/23 00:00	13.353	61.82408	3.6245	8.02879
20/04/23 01:00	26.21876	44.9876	3.09405	6.6199
20/04/23 02:00	15.63729	51.41437	2.70696	6.22285
20/04/23 03:00	18.19492	40.11627	3.48068	5.65967
20/04/23 04:00	21.48439	51.11102	3.57753	6.05677
20/04/23 05:00	18.10603	44.37986	4.35088	7.49664
20/04/23 06:00	22.68175	64.04267	7.73458	12.46108
20/04/23 07:00	25.15929	67.12457	7.8302	19.85591
20/04/23 08:00	25.49321	28.74058	6.42785	27.09818
20/04/23 09:00	24.43317	20.51721	4.68795	19.80343
20/04/23 10:00	17.58578	13.84591	3.52805	19.35518
20/04/23 11:00	17.7695	12.44171	2.99653	15.98182
20/04/23 12:00	15.32838	10.38634	2.94779	14.64117
20/04/23 13:00	16.04749	8.87905	1.73929	13.69786
20/04/23 14:00	13.11787	10.13414	1.59369	12.20897
20/04/23 15:00	13.64361	10.58645	2.51263	15.48512
20/04/23 16:00	12.4365	11.4906	2.94804	15.1395
20/04/23 17:00	17.38133	16.21132	3.43157	12.31048
20/04/23 18:00	15.65407	15.26115	2.99678	11.06986
20/04/23 19:00	14.54977	11.49651	2.32029	10.27653
20/04/23 20:00	16.74861	8.88403	4.20603	8.98654
20/04/23 21:00	15.10525	11.14573	3.43244	7.49678
20/04/23 22:00	19.26972	18.47629	3.09339	6.10657
20/04/23 23:00	19.12716	24.90379	2.75557	5.26257
21/04/23 00:00	24.29428	15.76601	3.52929	5.75913
21/04/23 01:00	22.09842	11.92296	2.77234	4.77434
21/04/23 02:00	15.78693	21.83697	3.35274	4.7079
21/04/23 03:00	10.98661	43.30595	2.90111	4.77347
21/04/23 04:00	20.06783	47.12247	3.28742	7.45848
21/04/23 05:00	22.94496	40.84239	3.57807	15.06855
21/04/23 06:00	22.4498	29.33175	10.77436	13.27795
21/04/23 07:00	30.93697	44.08269	14.93854	23.37358
21/04/23 08:00	30.37291	40.11617	17.45394	25.11363

21/04/23 09:00	29.12248	11.25022	10.2966	28.09619
21/04/23 10:00	32.84295	13.95644	5.8027	25.36014
21/04/23 11:00	34.87831	10.99611	6.18998	19.49066
21/04/23 12:00	22.7729	6.17521	5.80173	19.63464
21/04/23 13:00	16.97757	5.87387	5.75347	17.35209
21/04/23 14:00	18.38389	6.37711	5.17243	21.43021
21/04/23 15:00	16.58214	7.17914	5.99417	21.73036
21/04/23 16:00	19.88053	6.37742	5.02802	19.39207
21/04/23 17:00	21.34134	6.92865	6.67438	16.31088
21/04/23 18:00	20.14065	10.69748	6.62637	16.90804
21/04/23 19:00	14.42564	12.35314	9.28763	20.93732
21/04/23 20:00	22.7875	11.65085	12.67193	16.3133
21/04/23 21:00	29.25837	14.41034	18.43	15.76583
21/04/23 22:00	29.85026	14.41425	14.22046	12.33358
21/04/23 23:00	23.13652	9.24236	6.57775	11.73745
22/04/23 00:00	18.76858	18.33518	4.11073	12.93048
22/04/23 01:00	15.49289	No data	No data	12.886
22/04/23 02:00	8.15881	6.36616	3.09601	18.46704
22/04/23 03:00	10.55095	8.44229	3.28975	24.16079
22/04/23 04:00	14.24559	11.9603	3.48317	22.81396
22/04/23 05:00	17.23887	11.25862	5.03153	23.41214
22/04/23 06:00	16.48525	16.08337	10.25652	16.34181
22/04/23 07:00	16.54083	21.80799	11.70508	15.44309
22/04/23 08:00	16.59307	17.53264	11.46122	12.65347
22/04/23 09:00	13.50948	16.37338	8.50867	14.09743
22/04/23 10:00	14.24084	14.76673	7.39641	8.36912
22/04/23 11:00	13.21853	13.21006	6.09187	9.66421
22/04/23 12:00	13.25494	13.76281	5.31896	13.20074
22/04/23 13:00	12.78645	13.00969	5.70588	12.25469
22/04/23 14:00	10.66709	13.41175	6.76493	10.95993
22/04/23 15:00	10.92496	11.90551	5.02918	11.85694
22/04/23 16:00	12.05009	12.61127	6.96544	9.46515
22/04/23 17:00	12.04342	15.37368	7.40041	10.2623
22/04/23 18:00	14.20002	13.0174	7.78698	12.30568
22/04/23 19:00	14.50763	11.61157	11.12786	16.4418
22/04/23 20:00	17.02157	12.61738	20.4105	26.90483
22/04/23 21:00	17.37976	10.65676	17.75701	36.27053
22/04/23 22:00	11.93227	14.12377	15.82357	31.33767
22/04/23 23:00	9.41083	17.89141	8.70965	26.70477
23/04/23 00:00	7.81721	10.60634	9.77516	24.0141
23/04/23 01:00	7.74867	7.44315	7.93841	16.03586
23/04/23 02:00	7.95207	6.77244	7.2928	17.1662
23/04/23 03:00	7.35455	6.73877	5.61426	12.77559
23/04/23 04:00	6.58677	6.18515	3.5331	13.02401
23/04/23 05:00	10.45147	5.78245	3.24253	11.62747
23/04/23 06:00	14.82773	7.8925	3.00048	8.48432
23/04/23 07:00	13.33526	11.21151	4.49946	7.7357
23/04/23 08:00	13.04181	10.95774	6.53153	16.21818
23/04/23 09:00	10.15885	17.14106	6.57171	19.41236
23/04/23 10:00	10.62902	18.04483	7.73491	19.2106
23/04/23 11:00	11.44819	20.70906	6.7222	29.68884
23/04/23 12:00	11.60075	20.40049	6.09219	17.41526
23/04/23 13:00	11.2359	20.8053	7.01174	19.66001
23/04/23 14:00	11.74105	21.81276	7.68982	19.76102
23/04/23 15:00	12.88593	26.94634	6.57925	22.00681
23/04/23 16:00	14.58236	18.69933	5.27311	17.36607
23/04/23 17:00	13.95215	20.91308	4.4506	15.61854
23/04/23 18:00	15.02836	19.40512	5.32209	10.48024
23/04/23 19:00	23.576	21.05921	6.14482	15.17146
23/04/23 20:00	16.92293	24.9893	5.85528	32.3413
23/04/23 21:00	18.10446	18.70439	7.55053	24.50512
23/04/23 22:00	14.91139	17.09639	5.37186	19.41489
23/04/23 23:00	14.09054	15.8398	4.50141	11.1796
24/04/23 00:00	11.67357	10.30887	2.41979	8.68394
24/04/23 01:00	11.92978	6.2391	3.8085	9.73171
24/04/23 02:00	10.62746	6.77613	2.38805	5.99947
24/04/23 03:00	8.38185	6.64192	3.09783	7.09854
24/04/23 04:00	8.02117	7.94941	2.03227	12.79843
24/04/23 05:00	9.36025	20.17373	4.25758	30.8396
24/04/23 06:00	11.88337	20.47422	5.99919	24.49699
24/04/23 07:00	21.00075	31.02164	9.48153	38.28486
24/04/23 08:00	30.37291	31.91169	9.72055	33.73839
24/04/23 09:00	20.9935	19.60422	8.51238	27.73484
24/04/23 10:00	16.36019	21.4161	7.59465	18.99256
24/04/23 11:00	19.90611	18.02825	7.73748	16.39327
24/04/23 12:00	10.00297	16.89645	5.65967	22.59147
24/04/23 13:00	10.77657	18.50416	3.67593	25.94275
24/04/23 14:00	11.4946	20.87238	4.98372	26.69059
24/04/23 15:00	15.25399	24.84274	6.19411	19.79377
24/04/23 16:00	17.87158	35.65321	4.74315	16.84534
24/04/23 17:00	20.44193	36.02099	8.56624	16.1457
24/04/23 18:00	16.5225	25.25515	5.46918	10.49767
24/04/23 19:00	14.19668	22.9435	5.71275	10.54774
24/04/23 20:00	10.64876	27.82727	8.27358	9.54842
24/04/23 21:00	11.62383	21.23405	6.63126	12.29841
24/04/23 22:00	10.43897	25.60976	3.96991	15.3479
24/04/23 23:00	7.35788	31.34832	2.32326	25.24666
25/04/23 00:00	8.99874	14.18923	2.66223	22.29608
25/04/23 01:00	8.09138	15.90979	No data	20.56709

25/04/23 02:00	12.75229	15.50728	4.58371	27.71165
25/04/23 03:00	16.34995	17.16958	3.97008	32.70279
25/04/23 04:00	19.82922	18.83084	5.42361	26.7443
25/04/23 05:00	16.60782	33.47826	12.07506	33.8052
25/04/23 06:00	32.68789	32.05702	17.66965	41.11129
25/04/23 07:00	41.41284	37.38098	17.51842	38.75633
25/04/23 08:00	24.24072	33.3472	12.9153	32.44553
25/04/23 09:00	17.05431	33.95515	7.40227	27.53631
25/04/23 10:00	13.28243	20.51406	4.30668	22.83071
25/04/23 11:00	7.91194	15.6887	4.11206	21.328
25/04/23 12:00	7.80413	15.5426	3.58031	19.37577
25/04/23 13:00	20.39352	11.96936	2.85436	20.62783
25/04/23 14:00	10.42329	10.36422	2.90291	20.47828
25/04/23 15:00	6.56036	10.16436	3.86986	22.13204
25/04/23 16:00	8.81477	16.25492	4.40259	25.58628
25/04/23 17:00	8.76003	7.24798	4.25942	19.92996
25/04/23 18:00	9.78484	8.55883	2.85608	22.93577
25/04/23 19:00	12.39827	8.60997	3.58353	26.89254
25/04/23 20:00	23.2435	8.35819	13.6098	25.64131
25/04/23 21:00	31.01846	8.25747	18.16297	14.97299
25/04/23 22:00	16.35078	5.63905	28.96157	17.32746
25/04/23 23:00	13.68011	5.18623	11.04306	12.82048
26/04/23 00:00	10.69434	5.28668	7.55522	13.27128
26/04/23 01:00	8.43187	5.5748	8.84954	10.23444
26/04/23 02:00	13.84897	7.59015	12.3385	7.75946
26/04/23 03:00	13.06156	9.47051	16.5698	8.47845
26/04/23 04:00	12.3941	16.87604	20.05744	8.98004
26/04/23 05:00	11.26731	21.96405	31.92763	16.00325
26/04/23 06:00	14.89164	27.60401	35.89585	31.596
26/04/23 07:00	16.64614	24.87976	36.9536	51.90083
26/04/23 08:00	18.27808	25.62784	28.81146	46.83854
26/04/23 09:00	16.36353	11.17676	16.79966	32.50255
26/04/23 10:00	11.97726	9.26432	11.32874	24.87982
26/04/23 11:00	7.38454	5.73972	10.55588	19.41166
26/04/23 12:00	5.78092	6.84728	13.3636	25.02815
26/04/23 13:00	8.00392	7.25023	10.50899	18.95951
26/04/23 14:00	9.90265	9.21381	8.91053	16.9036
26/04/23 15:00	13.62062	11.3783	11.86539	18.30815
26/04/23 16:00	12.58415	11.58311	13.1726	21.8702
26/04/23 17:00	13.49948	12.28835	17.62661	20.71742
26/04/23 18:00	13.84933	11.98731	19.08565	23.77833
26/04/23 19:00	12.70588	15.3139	18.74835	30.85162
26/04/23 20:00	13.73569	15.46618	16.51989	30.80289
26/04/23 21:00	13.32276	15.06323	13.8073	36.77173
26/04/23 22:00	17.4345	12.19136	9.78614	43.0424
26/04/23 23:00	14.09221	11.63714	7.50943	45.80287
27/04/23 00:00	11.72248	9.16834	6.78241	32.70944
27/04/23 01:00	11.72193	7.99705	7.68917	24.12241
27/04/23 02:00	11.38143	8.4005	8.27066	18.8288
27/04/23 03:00	12.25488	8.61878	9.25632	21.10681
27/04/23 04:00	14.15944	9.42535	10.75865	18.64435
27/04/23 05:00	13.89074	10.6855	20.11182	19.69982
27/04/23 06:00	18.51096	13.5577	18.65755	30.85387
27/04/23 07:00	19.18092	13.20277	17.58841	38.03587
27/04/23 08:00	22.42706	15.16661	18.94039	29.29162
27/04/23 09:00	21.08381	15.61789	16.99952	27.58317
27/04/23 10:00	17.8385	12.95023	12.74133	24.11877
27/04/23 11:00	19.88979	11.641	13.22683	27.78693
27/04/23 12:00	19.41712	11.08697	11.53042	23.16527
27/04/23 13:00	23.59609	11.08806	10.90204	21.05454
27/04/23 14:00	20.59782	9.97806	11.38653	26.03016
27/04/23 15:00	17.46032	10.98651	14.58466	23.76855
27/04/23 16:00	12.36269	12.04441	15.40712	33.76586
27/04/23 17:00	14.15778	13.50705	16.52361	25.32588
27/04/23 18:00	17.55231	15.17108	14.63505	28.29195
27/04/23 19:00	18.52321	13.20603	14.39018	28.24202
27/04/23 20:00	15.02753	11.54297	10.95182	21.6092
27/04/23 21:00	14.04996	9.52678	8.52929	19.49851
27/04/23 22:00	13.06906	8.06511	7.55982	20.75437
27/04/23 23:00	11.41737	7.4603	7.36614	17.63896
28/04/23 00:00	10.1811	7.25866	7.36624	15.98054
28/04/23 01:00	10.07757	7.26225	No data	9.79972
28/04/23 02:00	10.28319	7.19453	7.43337	11.00788
28/04/23 03:00	10.38711	7.26163	8.0474	10.62204
28/04/23 04:00	12.82388	7.36204	7.7562	10.82321
28/04/23 05:00	31.59016	9.32853	11.31075	14.49807
28/04/23 06:00	32.82056	20.96953	19.76789	23.45762
28/04/23 07:00	28.42207	41.55955	16.12834	39.91331
28/04/23 08:00	19.5099	43.75584	10.07121	36.33978
28/04/23 09:00	17.0806	30.96904	6.00015	32.41322
28/04/23 10:00	15.83527	26.79536	10.12135	35.48355
28/04/23 11:00	17.85413	21.80969	15.93606	30.24936
28/04/23 12:00	18.03323	21.29928	7.55651	29.74544
28/04/23 13:00	18.02162	21.7058	5.13311	31.45662
28/04/23 14:00	18.0846	18.93822	4.11583	35.58386
28/04/23 15:00	18.81174	23.73003	6.05371	41.27046
28/04/23 16:00	16.64775	28.21028	8.42736	35.58127
28/04/23 17:00	14.07004	27.96424	10.22135	32.71528
28/04/23 18:00	16.06902	28.57495	12.74288	32.06386

28/04/23 19:00	18.36731	31.25499	14.92903	27.58512
28/04/23 20:00	24.07574	27.62997	13.81587	40.01945
28/04/23 21:00	23.04516	25.56829	15.12258	49.4299
28/04/23 22:00	24.90071	33.43506	24.14003	51.93629
28/04/23 23:00	22.83954	28.24056	18.51711	51.12142
29/04/23 00:00	23.03769	44.42403	18.0751	42.22222
29/04/23 01:00	18.23303	43.1506	12.47761	35.69413
29/04/23 02:00	15.08143	21.72868	9.30917	41.81333
29/04/23 03:00	13.84881	26.79015	6.93347	45.87458
29/04/23 04:00	14.86282	27.12396	6.98141	38.56488
29/04/23 05:00	14.61241	22.34904	7.65718	25.31359
29/04/23 06:00	16.51001	17.85503	8.80464	33.83257
29/04/23 07:00	16.66239	17.14219	19.73377	30.60413
29/04/23 08:00	15.16362	16.83851	24.02341	30.60349
29/04/23 09:00	12.37548	19.05562	15.74839	30.7041
29/04/23 10:00	13.66881	14.06552	12.16366	19.36154
29/04/23 11:00	12.20971	9.12665	9.98453	13.96666
29/04/23 12:00	10.00104	10.79254	9.88763	9.32782
29/04/23 13:00	7.62082	11.19448	6.05918	9.02493
29/04/23 14:00	6.22964	7.9165	5.04147	7.76469
29/04/23 15:00	9.62801	7.41208	5.38068	15.37687
29/04/23 16:00	8.44492	7.01058	4.31372	18.25198
29/04/23 17:00	8.28327	8.62656	5.08875	17.34589
29/04/23 18:00	10.44053	13.21862	5.13734	25.86769
29/04/23 19:00	12.54639	25.8779	9.4068	30.75881
29/04/23 20:00	18.6243	22.45175	11.44382	20.11975
29/04/23 21:00	17.99508	17.30503	21.38278	26.67554
29/04/23 22:00	22.62545	27.49632	15.85783	25.81824
29/04/23 23:00	23.18592	16.19514	14.69369	23.64935
30/04/23 00:00	11.67007	11.40244	17.0702	23.49845
30/04/23 01:00	8.91162	12.45246	12.67702	24.64997
30/04/23 02:00	7.61057	12.11585	7.24378	28.82359
30/04/23 03:00	9.05883	11.1563	4.75274	21.01196
30/04/23 04:00	8.90299	8.27881	3.54028	20.70673
30/04/23 05:00	9.40959	8.43028	4.1714	13.23384
30/04/23 06:00	7.56328	8.73291	5.86909	10.3549
30/04/23 07:00	8.59952	9.74105	6.64367	9.79916
30/04/23 08:00	8.34745	9.6897	4.50972	7.87975
30/04/23 09:00	8.80677	8.42795	4.26634	7.6271
30/04/23 10:00	12.10792	7.92335	4.65408	9.24299
30/04/23 11:00	10.62471	10.69943	4.55714	10.40489
30/04/23 12:00	10.05272	8.0744	5.38096	9.09183
30/04/23 13:00	10.62142	7.31713	5.43047	8.78854
30/04/23 14:00	12.32011	6.40924	6.06023	8.53604
30/04/23 15:00	13.29178	7.36858	5.86536	7.87947
30/04/23 16:00	15.86263	9.4871	6.15726	8.08102
30/04/23 17:00	11.42737	15.94875	6.88496	11.92045
30/04/23 18:00	15.80218	11.76092	8.92387	13.94135
30/04/23 19:00	19.90928	11.35773	8.82767	15.00199
30/04/23 20:00	15.3297	11.00503	7.2757	16.76914
30/04/23 21:00	18.61933	20.29494	8.63407	14.74974
30/04/23 22:00	24.5452	17.87114	8.86077	19.44708
30/04/23 23:00	25.10814	9.9951	7.9547	17.17407
01/05/23 00:00	9.35736	8.22715	7.90655	15.91075
01/05/23 01:00	10.08937	8.28274	No data	16.25789
01/05/23 02:00	7.20341	8.68689	4.07495	13.15479
01/05/23 03:00	7.51317	9.59517	3.00751	12.49632
01/05/23 04:00	7.04977	10.09945	2.23123	12.49695
01/05/23 05:00	6.89229	15.80277	2.47361	25.75417
01/05/23 06:00	13.23313	15.04955	2.9588	20.08643
01/05/23 07:00	15.12035	16.00525	3.83169	10.52416
01/05/23 08:00	13.66481	9.64215	5.28516	20.33969
01/05/23 09:00	13.61423	8.22753	6.05942	14.16679
01/05/23 10:00	10.93086	9.68841	4.3634	13.3067
01/05/23 11:00	10.4136	9.99385	3.4891	12.19358
01/05/23 12:00	11.65208	12.16605	3.00461	14.16716
01/05/23 13:00	12.26394	10.50025	3.58695	13.3573
01/05/23 14:00	11.89678	8.37878	2.76154	10.57446
01/05/23 15:00	10.46336	7.97534	2.81076	10.97922
01/05/23 16:00	9.37744	8.17701	3.39266	11.88984
01/05/23 17:00	8.9083	7.52098	2.47098	11.68723
01/05/23 18:00	9.98275	10.24665	3.15107	13.50906
01/05/23 19:00	11.01071	12.67224	4.16928	12.75073
01/05/23 20:00	16.04283	15.19918	5.1416	16.89962
01/05/23 21:00	15.16742	12.37389	6.74381	16.29271
01/05/23 22:00	11.41207	19.99408	5.09438	9.96796
01/05/23 23:00	11.31173	16.31393	3.59002	7.58967
02/05/23 00:00	12.08025	7.87866	3.88119	5.86941
02/05/23 01:00	13.43479	6.53503	1.22874	5.13602
02/05/23 02:00	7.3336	7.68098	1.2938	4.46027
02/05/23 03:00	4.83613	5.30554	1.16384	4.56164
02/05/23 04:00	4.21367	3.88978	0.92113	5.57533
02/05/23 05:00	7.41492	3.5867	1.98924	11.30271
02/05/23 06:00	6.84793	5.45611	3.44544	16.57354
02/05/23 07:00	8.34902	5.40586	4.65833	23.2126
02/05/23 08:00	10.17808	6.72033	4.75483	18.90468
02/05/23 09:00	7.89462	4.69813	4.80303	23.61668
02/05/23 10:00	7.95091	3.6877	3.83176	19.76451
02/05/23 11:00	8.92499	5.15217	3.49145	14.34281

02/05/23 12:00	6.44573	4.89617	4.41317	16.67415
02/05/23 13:00	5.41618	4.09226	5.67621	15.86345
02/05/23 14:00	6.13165	4.74886	4.51144	14.2411
02/05/23 15:00	8.75611	5.65647	4.89961	18.54924
02/05/23 16:00	7.93704	5.05252	5.23983	18.85398
02/05/23 17:00	8.60845	5.50714	5.09463	17.08017
02/05/23 18:00	9.27007	5.7098	6.06548	15.35718
02/05/23 19:00	9.61842	6.67065	7.42502	15.81366
02/05/23 20:00	12.15152	8.2881	8.63884	22.04786
02/05/23 21:00	15.4058	8.8442	8.59123	21.74393
02/05/23 22:00	12.50232	7.73239	6.50397	22.19994
02/05/23 23:00	10.18215	7.53021	5.53312	18.60132
03/05/23 00:00	8.79119	6.92395	4.75668	19.46311
03/05/23 01:00	7.33762	5.7308	5.11376	13.74221
03/05/23 02:00	5.96387	5.66338	5.3082	11.16976
03/05/23 03:00	5.55217	5.81509	5.24341	10.96665
03/05/23 04:00	9.17494	5.1069	5.3406	11.42365
03/05/23 05:00	8.80055	5.96663	8.64203	18.27771
03/05/23 06:00	10.61478	8.64614	12.62067	25.33464
03/05/23 07:00	13.21211	10.56588	10.14456	28.07522
03/05/23 08:00	12.91918	7.83497	7.765	22.49033
03/05/23 09:00	10.43764	6.06521	6.21148	22.33789
03/05/23 10:00	11.85047	3.99275	5.48263	12.13377
03/05/23 11:00	5.8841	3.68977	5.33744	13.35214
03/05/23 12:00	6.96825	4.14465	4.65812	15.23062
03/05/23 13:00	7.17789	3.63947	3.39644	16.09361
03/05/23 14:00	5.92981	3.33631	5.19209	16.09389
03/05/23 15:00	7.11755	3.94291	5.19234	20.56163
03/05/23 16:00	8.8747	4.24653	4.12448	17.05858
03/05/23 17:00	8.55415	4.90406	5.1929	14.2156
03/05/23 18:00	8.2401	4.95518	5.19388	14.8756
03/05/23 19:00	8.59417	5.00593	5.67986	11.77887
03/05/23 20:00	7.50677	5.76489	6.99123	14.46966
03/05/23 21:00	9.20439	5.36022	6.21456	13.40364
03/05/23 22:00	7.8649	6.21967	4.66055	13.80984
03/05/23 23:00	7.04179	5.10717	3.49528	13.91137
04/05/23 00:00	5.19485	5.25861	4.20735	10.45894
04/05/23 01:00	5.21094	6.88082	No data	7.3235
04/05/23 02:00	5.69059	6.40821	3.23764	6.23855
04/05/23 03:00	5.44996	6.37413	3.05905	5.54348
04/05/23 04:00	4.83487	7.1326	3.49635	5.23831
04/05/23 05:00	5.44996	9.05416	5.09917	6.71319
04/05/23 06:00	7.61488	10.21588	6.3615	11.29034
04/05/23 07:00	10.6215	10.21553	8.69095	18.05423
04/05/23 08:00	10.42078	9.75919	9.02847	17.34219
04/05/23 09:00	10.41836	8.54532	8.88392	15.25699
04/05/23 10:00	9.40185	7.28224	7.23223	14.0873
04/05/23 11:00	8.73133	6.82762	7.13516	14.39247
04/05/23 12:00	8.6767	6.17	5.72718	12.91758
04/05/23 13:00	8.24534	6.32249	6.01994	13.88381
04/05/23 14:00	7.98272	6.01959	6.21439	14.29077
04/05/23 15:00	9.37272	7.13269	6.60351	13.73137
04/05/23 16:00	9.37191	6.82952	6.21516	13.2737
04/05/23 17:00	13.42862	9.35914	9.37221	14.74858
04/05/23 18:00	17.37932	9.51137	14.22952	15.2064
04/05/23 19:00	19.23023	12.14289	21.41839	12.40924
04/05/23 20:00	10.48797	15.43201	26.47046	12.0024
04/05/23 21:00	8.53346	19.47935	8.01335	12.3584
04/05/23 22:00	8.63543	13.35675	8.20795	13.73157
04/05/23 23:00	6.88812	10.67499	3.05936	13.73157
05/05/23 00:00	5.39775	7.43654	3.69064	13.57904
05/05/23 01:00	4.31887	4.38674	3.10878	15.75868
05/05/23 02:00	3.84031	6.14178	4.01594	36.95142
05/05/23 03:00	3.42812	5.21353	3.49761	16.70965
05/05/23 04:00	5.60549	6.2766	3.30288	29.24188
05/05/23 05:00	5.44971	7.59247	5.0524	18.44173
05/05/23 06:00	9.87647	12.29949	10.34653	16.96436
05/05/23 07:00	10.8714	19.28249	10.00545	22.51727
05/05/23 08:00	12.01809	23.42912	10.15062	16.76059
05/05/23 09:00	8.66971	16.44424	7.08896	14.51905
05/05/23 10:00	9.8035	10.62532	4.85433	13.14358
05/05/23 11:00	7.37449	8.14626	3.54396	10.59637
05/05/23 12:00	7.99439	9.91761	5.14615	14.87567
05/05/23 13:00	10.48929	8.49967	3.73853	27.30603
05/05/23 14:00	6.70804	8.24784	4.56444	17.83042
05/05/23 15:00	12.47576	10.1705	6.02131	10.44353
05/05/23 16:00	11.35727	16.70121	14.5219	12.99074
05/05/23 17:00	10.88349	9.41225	9.17858	21.19272
05/05/23 18:00	14.87173	10.42567	14.47257	22.16066
05/05/23 19:00	14.87012	8.45279	10.87891	35.8646
05/05/23 20:00	34.45841	13.31275	22.00767	30.05698
05/05/23 21:00	22.20836	13.11098	27.15821	25.01352
05/05/23 22:00	17.01881	14.22443	10.44549	26.59278
05/05/23 23:00	8.27695	12.14876	13.55515	28.32488
06/05/23 00:00	6.32253	9.97191	10.59133	29.49659
06/05/23 01:00	4.9364	10.73715	9.91385	20.54842
06/05/23 02:00	5.14623	12.29031	5.8311	26.46865
06/05/23 03:00	5.14355	7.74872	4.66479	30.92538
06/05/23 04:00	5.03757	7.14088	5.5397	30.41525

06/05/23 05:00	4.16398	6.73565	6.85174	21.89211
06/05/23 06:00	5.55465	6.22866	8.94112	24.44378
06/05/23 07:00	6.28771	6.02528	8.64816	17.29948
06/05/23 08:00	7.05612	6.93658	9.52186	18.98372
06/05/23 09:00	10.24374	4.7083	12.6316	18.98375
06/05/23 10:00	11.43448	5.51929	11.75705	9.64497
06/05/23 11:00	8.65555	7.39299	10.39662	24.80139
06/05/23 12:00	6.80079	8.96225	10.68745	18.57542
06/05/23 13:00	5.25916	10.1275	8.93856	20.46397
06/05/23 14:00	5.77304	5.01229	9.23089	18.83082
06/05/23 15:00	5.77224	7.29161	8.89067	19.5963
06/05/23 16:00	7.41824	7.49507	11.17525	20.00421
06/05/23 17:00	8.44919	8.25456	12.24435	21.89238
06/05/23 18:00	9.36374	10.02727	13.8971	23.88244
06/05/23 19:00	12.80589	9.11597	16.32762	23.21896
06/05/23 20:00	12.23822	9.16701	14.82139	26.99534
06/05/23 21:00	11.00252	9.8255	10.83681	26.48503
06/05/23 22:00	10.69259	12.6105	7.58041	26.12803
06/05/23 23:00	7.50577	13.47123	6.80314	22.40258
07/05/23 00:00	8.53673	11.74932	5.76629	27.04634
07/05/23 01:00	6.51199	11.01238	No data	30.19349
07/05/23 02:00	8.91316	13.71322	4.40692	25.49107
07/05/23 03:00	8.84624	10.18406	3.35401	27.09367
07/05/23 04:00	7.50783	13.67812	4.66626	30.00737
07/05/23 05:00	6.01766	9.32028	4.13147	20.95847
07/05/23 06:00	6.07703	8.76344	3.54801	13.54622
07/05/23 07:00	7.53979	10.7366	3.40121	10.37693
07/05/23 08:00	5.99024	10.18026	3.78987	11.0927
07/05/23 09:00	5.90105	11.59759	6.46087	8.63897
07/05/23 10:00	6.14839	10.33058	7.09174	9.55913
07/05/23 11:00	5.67474	9.77389	7.52787	8.38339
07/05/23 12:00	5.21148	10.63481	7.13771	5.92972
07/05/23 13:00	4.22717	7.79908	4.22606	6.2876
07/05/23 14:00	5.41861	8.15442	4.90609	6.90096
07/05/23 15:00	4.33074	7.59772	3.01132	7.10547
07/05/23 16:00	6.03044	7.49794	4.226	7.87227
07/05/23 17:00	4.37413	7.85284	3.5459	8.07667
07/05/23 18:00	7.52061	11.7036	3.01153	9.96785
07/05/23 19:00	7.14973	12.71778	4.66551	9.86554
07/05/23 20:00	10.80288	22.70184	8.21474	15.48831
07/05/23 21:00	13.31676	25.48925	9.47911	22.38905
07/05/23 22:00	12.03452	13.17491	6.51356	33.27692
07/05/23 23:00	20.7756	11.8069	6.17351	24.94537
08/05/23 00:00	10.12688	12.719	12.73657	25.61037
08/05/23 01:00	8.98126	11.76262	10.24419	31.61358
08/05/23 02:00	6.85531	10.34309	9.07711	31.47738
08/05/23 03:00	6.01499	9.27833	7.92591	35.49316
08/05/23 04:00	5.24266	8.51772	8.41197	26.99092
08/05/23 05:00	6.11776	7.55416	12.10771	16.53905
08/05/23 06:00	15.03407	9.37874	8.26549	28.5725
08/05/23 07:00	7.7827	10.18946	5.97955	13.05772
08/05/23 08:00	8.66337	10.08804	4.42405	15.21155
08/05/23 09:00	8.09656	6.13349	3.64595	8.34635
08/05/23 10:00	8.24833	6.48831	4.03423	7.4759
08/05/23 11:00	7.1187	8.05929	6.31933	9.8313
08/05/23 12:00	7.88785	10.54307	5.34728	10.29224
08/05/23 13:00	7.42063	10.34084	4.86103	13.67215
08/05/23 14:00	8.55344	10.59418	3.98592	11.8283
08/05/23 15:00	7.62934	6.58959	3.93735	10.59951
08/05/23 16:00	7.5234	6.89383	3.35422	10.03623
08/05/23 17:00	8.29255	11.05121	4.18089	9.93374
08/05/23 18:00	10.13677	10.4941	6.02844	15.92414
08/05/23 19:00	9.25769	10.84932	6.32055	15.00248
08/05/23 20:00	10.45382	11.55922	5.83443	17.35802
08/05/23 21:00	7.50828	12.72561	7.39083	14.38812
08/05/23 22:00	12.71149	16.17109	5.15391	16.18037
08/05/23 23:00	7.8142	13.89154	4.86245	14.54188
09/05/23 00:00	10.19293	12.21841	4.5219	14.64428
09/05/23 01:00	5.34572	8.85981	5.25274	16.7565
09/05/23 02:00	6.03608	7.16918	2.91829	16.34547
09/05/23 03:00	6.94988	10.34801	3.35574	10.87393
09/05/23 04:00	5.04087	9.63786	3.69633	14.36174
09/05/23 05:00	6.74277	12.63037	5.44656	17.3876
09/05/23 06:00	10.70701	25.56186	7.73153	16.05398
09/05/23 07:00	18.85221	30.21889	9.18914	20.46564
09/05/23 08:00	16.52185	32.44136	8.3099	16.41383
09/05/23 09:00	12.8058	28.63897	4.95728	14.10598
09/05/23 10:00	9.14905	32.07925	4.61822	11.59227
09/05/23 11:00	6.76494	19.1116	5.88223	10.82315
09/05/23 12:00	6.92542	14.9032	7.14557	8.8737
09/05/23 13:00	5.0575	10.39411	4.76373	7.69412
09/05/23 14:00	9.1743	10.39331	5.6885	15.43909
09/05/23 15:00	18.37068	32.05118	5.59133	21.59441
09/05/23 16:00	15.15348	42.85939	9.04314	26.6728
09/05/23 17:00	15.16378	48.68311	11.81556	20.05501
09/05/23 18:00	13.95826	51.41454	10.64976	26.56816
09/05/23 19:00	16.88855	30.93386	12.59482	25.33726
09/05/23 20:00	16.30594	32.46144	10.21432	19.48997
09/05/23 21:00	18.20782	35.85624	13.7168	29.79976

09/05/23 22:00	14.34396	30.47577	12.5491	26.20914
09/05/23 23:00	15.98974	27.94889	13.03557	33.69799
10/05/23 00:00	14.91311	18.6142	14.20363	15.33542
10/05/23 01:00	10.82797	20.57065	No data	14.93338
10/05/23 02:00	10.9133	17.3249	19.46307	13.76885
10/05/23 03:00	9.72239	16.49601	18.05201	11.45691
10/05/23 04:00	7.61587	19.9967	17.12739	14.33475
10/05/23 05:00	8.03557	29.67499	17.22211	15.92668
10/05/23 06:00	22.78875	29.77623	11.13519	22.76182
10/05/23 07:00	14.3541	30.72426	8.7509	25.33187
10/05/23 08:00	12.4958	27.02854	8.31411	23.94557
10/05/23 09:00	9.68193	16.88999	5.73727	19.26844
10/05/23 10:00	8.78089	18.92077	5.10554	12.07469
10/05/23 11:00	7.02692	19.17662	4.08476	10.68764
10/05/23 12:00	7.08145	14.0031	3.69362	10.7557
10/05/23 13:00	6.03654	13.54551	3.54873	No data
10/05/23 14:00	9.08286	14.60802	3.35444	No data
10/05/23 15:00	10.97914	34.49393	5.78483	No data
10/05/23 16:00	14.06974	35.56224	5.93082	No data
10/05/23 17:00	11.18859	23.89967	8.16743	No data
10/05/23 18:00	13.33782	27.1503	10.59922	No data
10/05/23 19:00	12.50788	28.62192	7.24721	No data
10/05/23 20:00	16.30517	33.64771	14.3007	No data
10/05/23 21:00	22.3212	34.61427	14.159	No data
10/05/23 22:00	30.45243	42.57203	12.06588	No data
10/05/23 23:00	15.57719	31.3642	6.76303	No data
11/05/23 00:00	11.67005	25.6277	12.31	No data
11/05/23 01:00	10.90333	17.66811	8.24173	No data
11/05/23 02:00	8.22756	18.28165	8.24173	No data
11/05/23 03:00	9.21444	20.77029	13.52956	No data
11/05/23 04:00	10.24197	16.30157	11.09659	No data
11/05/23 05:00	12.13976	18.07801	19.31862	No data
11/05/23 06:00	15.97381	23.10134	16.19796	No data
11/05/23 07:00	15.26082	28.51732	16.2958	No data
11/05/23 08:00	18.74587	25.57188	10.84661	No data
11/05/23 09:00	13.70348	29.38285	6.08029	No data
11/05/23 10:00	5.11139	29.79247	4.32932	No data
11/05/23 11:00	9.38741	28.17312	3.89118	No data
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11/05/23 13:00	9.6941	18.98274	3.6	No data
11/05/23 14:00	7.52766	25.33071	4.7691	No data
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11/05/23 16:00	8.41519	18.92713	4.52348	No data
11/05/23 17:00	10.27259	24.26697	5.98321	No data
11/05/23 18:00	6.90486	11.0174	4.96358	No data
11/05/23 19:00	6.94603	4.72224	4.72042	No data
11/05/23 20:00	6.53031	4.62129	5.5973	No data
11/05/23 21:00	9.14894	12.69407	6.86243	No data
11/05/23 22:00	13.56653	35.09004	21.95039	No data
11/05/23 23:00	14.4913	35.90462	7.39743	No data
12/05/23 00:00	14.49209	15.89496	5.30464	No data
12/05/23 01:00	15.34795	12.46564	5.25764	No data
12/05/23 02:00	4.45452	9.14611	3.82993	No data
12/05/23 03:00	4.21425	19.20717	1.84963	No data
12/05/23 04:00	4.11229	27.89619	2.38513	No data
12/05/23 05:00	4.52406	35.61835	2.82273	No data
12/05/23 06:00	7.71865	36.02417	5.49821	No data
12/05/23 07:00	15.41172	36.52931	7.20269	No data
12/05/23 08:00	11.44495	36.47389	7.29987	No data
12/05/23 09:00	10.01038	29.10705	4.9149	No data
12/05/23 10:00	10.06097	33.83274	4.86687	No data
12/05/23 11:00	12.11751	29.20953	4.62265	No data
12/05/23 12:00	8.81783	30.68513	4.28253	No data
12/05/23 13:00	8.09625	30.68504	5.15937	No data
12/05/23 14:00	8.34296	35.15651	4.86641	No data
12/05/23 15:00	11.02145	24.43528	4.37883	No data
12/05/23 16:00	13.28817	23.5703	3.84452	No data
12/05/23 17:00	10.56534	22.50497	3.9421	No data
12/05/23 18:00	6.48801	26.62271	3.9909	No data
12/05/23 19:00	6.73941	29.11302	3.94257	No data
12/05/23 20:00	7.55671	25.35352	4.38078	No data
12/05/23 21:00	6.57982	22.30571	4.04	No data
12/05/23 22:00	6.06529	27.79371	3.60209	No data
12/05/23 23:00	4.93506	29.11509	2.19057	No data
13/05/23 00:00	5.55155	23.3229	1.65477	No data
13/05/23 01:00	4.65981	27.25026	No data	No data
13/05/23 02:00	5.27731	23.0475	No data	No data
13/05/23 03:00	6.32577	21.75937	1.75276	No data
13/05/23 04:00	4.26544	25.97932	1.41179	No data
13/05/23 05:00	3.75328	24.50483	1.4604	No data
13/05/23 06:00	3.65209	25.52116	4.23403	No data
13/05/23 07:00	5.04303	23.18147	4.33201	No data
13/05/23 08:00	6.43396	25.36661	5.64701	No data
13/05/23 09:00	6.84883	23.12894	4.4789	No data
13/05/23 10:00	7.61941	28.36321	4.13781	No data
13/05/23 11:00	9.26954	22.05626	3.89505	No data
13/05/23 12:00	10.30165	25.31035	4.8683	No data
13/05/23 13:00	9.433	21.14077	4.5764	No data
13/05/23 14:00	8.2997	18.4978	4.72247	No data

13/05/23 15:00	7.68401	11.2831	5.50171	No data
13/05/23 16:00	7.63342	9.25035	4.43053	No data
13/05/23 17:00	8.03817	6.65872	4.52799	No data
13/05/23 18:00	7.15473	7.98061	6.37803	No data
13/05/23 19:00	7.61319	6.35451	7.25525	No data
13/05/23 20:00	6.89009	8.69361	7.84054	No data
13/05/23 21:00	6.88697	12.45574	4.52861	No data
13/05/23 22:00	9.00179	12.15056	2.62962	No data
13/05/23 23:00	9.40654	8.13402	1.9963	No data
14/05/23 00:00	6.78345	3.66023	1.85038	No data
14/05/23 01:00	8.4288	4.27258	1.8183	No data
14/05/23 02:00	7.81132	6.44283	1.55869	No data
14/05/23 03:00	7.349	6.00188	0.82758	No data
14/05/23 04:00	5.34402	5.49334	1.0225	No data
14/05/23 05:00	4.00995	5.08647	0.97396	No data
14/05/23 06:00	4.47228	5.28987	1.46099	No data
14/05/23 07:00	5.40624	9.15515	3.45839	No data
14/05/23 08:00	7.88826	12.66387	5.65022	No data
14/05/23 09:00	7.89523	13.06997	5.99006	No data
14/05/23 10:00	7.38464	11.44161	6.62101	No data
14/05/23 11:00	7.22898	8.23777	5.5994	No data
14/05/23 12:00	6.23513	8.03522	5.21013	No data
14/05/23 13:00	6.64609	11.59518	5.11247	No data
14/05/23 14:00	6.18221	11.23958	4.47995	No data
14/05/23 15:00	5.45838	8.95112	4.18794	No data
14/05/23 16:00	7.00103	11.44291	4.09054	No data
14/05/23 17:00	7.36139	14.89946	3.31182	No data
14/05/23 18:00	9.0029	13.06681	4.77303	No data
14/05/23 19:00	7.25013	14.90117	4.04236	No data
14/05/23 20:00	9.20219	11.44328	6.13707	No data
14/05/23 21:00	8.99516	17.4957	4.18919	No data
14/05/23 22:00	6.11612	12.66469	4.14065	No data
14/05/23 23:00	6.57845	6.9167	1.80221	No data
15/05/23 00:00	5.08639	9.4082	1.94846	No data
15/05/23 01:00	3.63101	7.32795	2.46886	No data
15/05/23 02:00	5.0039	4.68206	0.90923	No data
15/05/23 03:00	5.03789	6.41212	1.41282	No data
15/05/23 04:00	4.37011	7.12472	1.51033	No data
15/05/23 05:00	5.70645	9.26199	2.53319	No data
15/05/23 06:00	8.53784	10.9408	3.31263	No data
15/05/23 07:00	12.33088	23.76044	4.57834	No data
15/05/23 08:00	9.4856	24.26675	5.50335	No data
15/05/23 09:00	7.01686	16.48293	4.87099	No data
15/05/23 10:00	5.98719	13.53285	4.48099	No data
15/05/23 11:00	6.34908	No data	3.40968	No data
15/05/23 12:00	6.04088	12.97277	3.40935	No data
15/05/23 13:00	5.62299	13.07572	No data	No data
15/05/23 14:00	7.06283	13.885	3.63713	No data
15/05/23 15:00	7.01069	15.66747	4.38393	No data
15/05/23 16:00	7.06746	16.68584	4.87137	No data
15/05/23 17:00	7.933	16.1791	7.69577	No data
15/05/23 18:00	8.90744	22.79596	5.6515	No data
15/05/23 19:00	9.21025	20.96616	6.82094	No data
15/05/23 20:00	11.05563	12.61949	6.28646	No data
15/05/23 21:00	10.53732	21.11949	5.74996	No data
15/05/23 22:00	9.76527	29.97361	4.82346	No data
15/05/23 23:00	9.91706	35.87966	4.53183	No data
16/05/23 00:00	10.58484	17.96477	5.16539	No data
16/05/23 01:00	11.91987	16.36198	No data	No data
16/05/23 02:00	10.61861	18.80608	10.07458	No data
16/05/23 03:00	11.57183	15.27614	7.66953	No data
16/05/23 04:00	10.64726	15.17446	7.66943	No data
16/05/23 05:00	17.38228	26.4237	10.91774	No data
16/05/23 06:00	35.79247	34.91715	13.35273	No data
16/05/23 07:00	27.67331	29.67601	10.6716	No data
16/05/23 08:00	13.52381	28.4024	8.03914	No data
16/05/23 09:00	9.03427	17.1527	3.99525	No data
16/05/23 10:00	8.41635	15.27169	3.84897	No data
16/05/23 11:00	8.97523	16.03472	3.94624	13.4123
16/05/23 12:00	9.33786	15.67927	3.26438	14.4951
16/05/23 13:00	8.45774	18.68307	4.04412	18.74203
16/05/23 14:00	7.06011	17.30838	3.752	20.19459
16/05/23 15:00	7.7777	15.32234	4.92192	20.81401
16/05/23 16:00	9.38001	22.14451	4.58017	17.02527
16/05/23 17:00	10.14589	23.8261	5.50669	20.18124
16/05/23 18:00	8.23308	22.40024	6.28635	20.43488
16/05/23 19:00	8.58726	22.55325	7.01775	17.95081
16/05/23 20:00	10.64034	16.08839	10.86956	16.65072
16/05/23 21:00	13.56588	17.51382	7.65294	20.78572
16/05/23 22:00	17.52102	20.82401	5.06923	19.54389
16/05/23 23:00	13.40794	16.85335	5.60575	20.37443
17/05/23 00:00	12.38216	17.61866	3.85087	14.83956
17/05/23 01:00	19.72658	17.52606	5.91642	13.0432
17/05/23 02:00	12.74321	20.92285	13.13364	14.21713
17/05/23 03:00	11.30911	16.30344	9.89872	15.42218
17/05/23 04:00	9.1465	23.84257	7.50935	15.53025
17/05/23 05:00	28.83634	38.00343	10.67767	27.4442
17/05/23 06:00	30.20886	34.791	14.62508	36.65078
17/05/23 07:00	27.25119	36.3147	13.50246	34.84849

17/05/23 08:00	16.51119	31.12184	10.67497	30.28715
17/05/23 09:00	12.76396	23.73737	7.16599	26.90657
17/05/23 10:00	11.92533	21.8018	4.43558	26.58236
17/05/23 11:00	9.43084	21.24164	5.21585	19.73541
17/05/23 12:00	9.01228	15.12843	3.89931	23.37532
17/05/23 13:00	7.68142	16.91303	3.3151	25.40275
17/05/23 14:00	7.16091	18.23656	5.16698	14.08805
17/05/23 15:00	7.62242	20.0197	5.75244	16.47162
17/05/23 16:00	9.06365	21.80218	7.60442	19.3261
17/05/23 17:00	10.24424	26.18179	7.65377	28.03214
17/05/23 18:00	11.16649	26.03104	6.53295	17.39507
17/05/23 19:00	11.05076	27.45946	7.55711	22.78512
17/05/23 20:00	15.93028	37.08752	7.16793	20.02975
17/05/23 21:00	18.18721	26.79886	9.21605	23.75549
17/05/23 22:00	14.89996	15.79397	13.06856	31.78229
17/05/23 23:00	19.42146	9.68006	14.43391	59.49959
18/05/23 00:00	17.36387	9.83287	13.89749	33.18584
18/05/23 01:00	11.50693	9.24351	12.61722	30.61696
18/05/23 02:00	14.11126	10.80679	12.09682	40.02916
18/05/23 03:00	13.77925	11.82628	12.53593	35.90966
18/05/23 04:00	15.51411	14.78276	12.58436	42.60003
18/05/23 05:00	15.42052	17.07594	12.38865	43.31674
18/05/23 06:00	13.35734	31.75182	13.94248	37.50599
18/05/23 07:00	26.64661	38.22054	21.59835	42.29606
18/05/23 08:00	26.72611	44.69289	20.82095	35.48285
18/05/23 09:00	20.74308	38.83601	23.79578	36.68284
18/05/23 10:00	10.61465	20.4388	18.23887	21.26905
18/05/23 11:00	7.05931	20.18382	7.8519	15.93454
18/05/23 12:00	4.84089	15.90325	8.77862	14.88914
18/05/23 13:00	4.58104	13.8137	5.90138	13.48512
18/05/23 14:00	4.83708	19.82811	3.75527	17.26934
18/05/23 15:00	5.04024	16.77008	4.04791	17.42861
18/05/23 16:00	8.07664	18.6563	4.09676	14.68016
18/05/23 17:00	7.97163	15.19047	5.31581	19.75286
18/05/23 18:00	6.17095	27.47522	3.17026	25.19667
18/05/23 19:00	7.45117	18.55445	8.04815	21.76352
18/05/23 20:00	11.86747	13.25369	11.26769	34.56757
18/05/23 21:00	13.66511	11.97929	12.24331	35.9526
18/05/23 22:00	11.19902	9.94022	12.34081	25.27839
18/05/23 23:00	15.30867	10.5519	14.24327	27.45638
19/05/23 00:00	17.72264	10.34799	14.87728	28.6038
19/05/23 01:00	11.79019	16.79691	No data	16.94897
19/05/23 02:00	9.73394	10.88056	13.92231	14.03775
19/05/23 03:00	10.64185	10.71053	12.68621	12.1406
19/05/23 04:00	9.80355	11.57758	12.10058	11.52084
19/05/23 05:00	11.00489	15.30067	14.5726	11.72123
19/05/23 06:00	15.28435	17.39136	19.17437	19.04559
19/05/23 07:00	21.87035	23.96941	20.39319	25.71637
19/05/23 08:00	19.74639	37.27978	21.80674	29.45792
19/05/23 09:00	14.48463	28.61018	15.70742	29.09561
19/05/23 10:00	13.46723	24.22444	12.92688	27.18449
19/05/23 11:00	13.00458	11.1691	14.53731	23.2848
19/05/23 12:00	10.16608	14.27987	13.95335	20.84335
19/05/23 13:00	10.31232	5.76291	14.29547	23.74759
19/05/23 14:00	9.32204	7.14007	11.85573	24.58867
19/05/23 15:00	12.67461	5.10015	8.24442	21.60526
19/05/23 16:00	10.551	4.99812	4.92727	22.33917
19/05/23 17:00	11.53251	4.02912	3.12242	15.20589
19/05/23 18:00	11.01765	6.06921	4.24449	18.99055
19/05/23 19:00	13.47636	6.52827	3.80556	20.13337
19/05/23 20:00	19.86188	7.65026	5.56219	24.33945
19/05/23 21:00	10.59284	8.0583	6.87941	24.11813
19/05/23 22:00	15.11817	8.67032	4.14718	16.55055
19/05/23 23:00	6.94141	7.49731	2.00026	18.111
20/05/23 00:00	7.97033	7.08932	1.95152	14.00832
20/05/23 01:00	10.08662	10.88638	2.34241	11.70812
20/05/23 02:00	11.93996	5.57927	2.08226	10.53532
20/05/23 03:00	11.64544	42.04868	2.87952	14.93204
20/05/23 04:00	8.49191	18.93213	2.24482	16.3174
20/05/23 05:00	9.26868	31.63856	2.0009	16.36287
20/05/23 06:00	6.44138	20.05463	3.22051	14.29648
20/05/23 07:00	6.9634	10.35878	3.8062	9.15783
20/05/23 08:00	6.71866	20.8192	3.36721	14.10851
20/05/23 09:00	7.34441	15.41	4.00156	13.47744
20/05/23 10:00	6.66387	14.84902	2.43994	10.45611
20/05/23 11:00	5.52695	9.185	2.09837	11.55485
20/05/23 12:00	5.46965	10.97105	2.14711	12.11828
20/05/23 13:00	5.00409	6.32753	1.51276	9.36444
20/05/23 14:00	4.43646	10.86907	1.26867	8.6908
20/05/23 15:00	3.24975	4.08231	1.41519	14.7738
20/05/23 16:00	3.56096	4.59262	1.65917	11.95778
20/05/23 17:00	3.60908	3.92922	1.36648	11.17779
20/05/23 18:00	5.35841	3.72514	1.80557	15.07455
20/05/23 19:00	5.25384	4.18441	1.95199	10.96379
20/05/23 20:00	5.25467	7.60334	2.83078	21.29716
20/05/23 21:00	8.13926	10.76725	4.2461	17.55287
20/05/23 22:00	7.26126	16.07446	5.31982	16.20334
20/05/23 23:00	8.3409	16.83987	4.34371	14.70231
21/05/23 00:00	9.36992	18.37081	7.02824	11.85175

21/05/23 01:00	12.7733	33.83392	6.11889	14.85761
21/05/23 02:00	16.00154	15.38523	3.51521	21.11064
21/05/23 03:00	11.9514	19.04432	2.83164	22.32921
21/05/23 04:00	9.78857	17.20626	2.24579	21.23732
21/05/23 05:00	10.30527	22.20982	2.29449	16.79109
21/05/23 06:00	11.61183	34.15706	2.48972	13.20375
21/05/23 07:00	10.74598	15.82753	3.41701	10.45175
21/05/23 08:00	6.8201	19.91206	2.19671	7.80188
21/05/23 09:00	5.78409	12.55993	2.53846	6.34673
21/05/23 10:00	5.26913	10.77297	3.02646	6.71421
21/05/23 11:00	4.59532	8.27118	2.78256	7.08098
21/05/23 12:00	3.97563	5.82048	1.36668	7.75732
21/05/23 13:00	3.87525	10.16032	1.65963	7.7545
21/05/23 14:00	3.9224	10.82406	1.85492	7.33613
21/05/23 15:00	4.38934	10.00714	2.24549	8.22411
21/05/23 16:00	4.3876	10.26243	1.80625	8.9001
21/05/23 17:00	4.38586	13.6322	2.44083	5.92976
21/05/23 18:00	4.43648	17.41046	1.75745	6.7651
21/05/23 19:00	4.8441	9.34346	2.29447	6.76088
21/05/23 20:00	6.33835	17.35942	2.44098	8.47364
21/05/23 21:00	8.0351	48.45333	5.32151	8.83655
21/05/23 22:00	10.40478	52.43577	5.6628	13.93027
21/05/23 23:00	13.54429	42.07117	3.31988	13.7776
22/05/23 00:00	8.34582	37.06757	2.78277	10.91538
22/05/23 01:00	8.24774	24.58862	No data	8.53608
22/05/23 02:00	10.58546	12.94139	2.40923	7.01085
22/05/23 03:00	9.27825	9.2463	2.49061	8.16688
22/05/23 04:00	8.17902	10.06365	3.17435	11.0263
22/05/23 05:00	10.31269	19.76974	4.29764	19.92495
22/05/23 06:00	13.31839	27.02393	6.18573	27.07865
22/05/23 07:00	20.6174	34.27817	8.69204	32.95576
22/05/23 08:00	15.30417	39.2336	11.86656	44.73179
22/05/23 09:00	12.5716	32.79689	11.76901	34.05724
22/05/23 10:00	11.17183	24.67426	9.57136	32.32148
22/05/23 11:00	8.01786	20.43406	5.95742	33.32661
22/05/23 12:00	7.08468	18.74835	3.46697	32.30503
22/05/23 13:00	6.62354	19.51457	4.34576	20.555
22/05/23 14:00	6.98432	18.44176	4.19942	19.19201
22/05/23 15:00	7.28721	18.69712	3.02757	21.48138
22/05/23 16:00	8.37048	18.69709	4.05298	15.85087
22/05/23 17:00	9.24758	15.83628	3.27181	11.72251
22/05/23 18:00	11.14914	11.85165	2.68582	11.66898
22/05/23 19:00	11.04243	6.23233	2.83257	12.44434
22/05/23 20:00	11.08943	7.15187	3.36967	19.6187
22/05/23 21:00	11.7043	8.07136	10.45016	20.02932
22/05/23 22:00	11.75584	10.2169	5.86016	16.49471
22/05/23 23:00	10.51613	27.48341	4.68837	11.2404
23/05/23 00:00	11.65185	36.06557	5.37209	7.39534
23/05/23 01:00	10.4547	17.17351	3.84312	6.87973
23/05/23 02:00	9.56181	31.21216	3.64759	11.04195
23/05/23 03:00	9.49271	20.95576	2.78455	10.11017
23/05/23 04:00	12.80836	16.66241	3.02883	18.44946
23/05/23 05:00	14.19267	31.94483	5.37341	10.83843
23/05/23 06:00	17.31236	21.10952	6.74059	12.56387
23/05/23 07:00	14.2276	33.22354	9.42775	17.73523
23/05/23 08:00	10.2143	23.30791	8.64623	24.74143
23/05/23 09:00	8.59532	23.05235	5.37326	23.19406
23/05/23 10:00	7.10878	22.43923	4.49405	17.74926
23/05/23 11:00	6.42117	18.6056	3.61473	24.96866
23/05/23 12:00	12.95967	8.58715	4.44497	17.18869
23/05/23 13:00	8.75763	12.82961	2.39341	15.10552
23/05/23 14:00	9.43013	15.02736	2.14921	18.89308
23/05/23 15:00	6.36581	14.56766	1.70955	12.46349
23/05/23 16:00	7.8121	14.10716	2.97938	14.03525
23/05/23 17:00	10.59772	29.49234	4.98238	16.10068
23/05/23 18:00	17.14911	32.30337	4.49393	20.01462
23/05/23 19:00	20.45625	22.94928	8.89008	18.18344
23/05/23 20:00	20.49179	24.63617	10.01463	16.87728
23/05/23 21:00	14.29207	26.42506	15.53481	15.10516
23/05/23 22:00	13.98255	23.2563	21.39749	15.00478
23/05/23 23:00	14.29112	25.24965	13.72769	16.14488
24/05/23 00:00	12.64038	16.45808	9.67286	13.07238
24/05/23 01:00	12.25628	15.81902	9.57808	12.30097
24/05/23 02:00	11.43149	No data	11.01153	12.94272
24/05/23 03:00	15.03137	17.33615	10.89755	9.80282
24/05/23 04:00	10.332	26.6438	9.08938	13.58152
24/05/23 05:00	11.16202	29.76463	10.26179	17.27044
24/05/23 06:00	15.22647	29.4074	12.55829	26.84733
24/05/23 07:00	15.45064	27.56731	11.14091	24.21016
24/05/23 08:00	10.89636	No data	7.08496	23.95587
24/05/23 09:00	9.03276	No data	4.64194	27.32707
24/05/23 10:00	9.34352	19.36732	5.71685	22.49573
24/05/23 11:00	9.23732	20.56028	5.27723	16.0515
24/05/23 12:00	8.04001	16.41728	5.08162	17.72624
24/05/23 13:00	7.6201	17.69559	4.78867	22.00821
24/05/23 14:00	6.83583	19.33229	4.73975	25.13113
24/05/23 15:00	9.26345	19.63903	6.54781	21.95212
24/05/23 16:00	8.90498	23.16843	6.74337	19.48303
24/05/23 17:00	9.78662	25.57168	6.30362	27.21602

24/05/23 18:00	9.56931	20.25225	7.52512	24.39064
24/05/23 19:00	9.71832	17.89994	7.18325	22.13393
24/05/23 20:00	10.54049	23.62711	5.815	24.04657
24/05/23 21:00	12.80733	23.6781	6.30377	22.37227
24/05/23 22:00	14.04843	23.31973	6.0595	14.13423
24/05/23 23:00	15.13169	31.45119	5.34278	12.41138
25/05/23 00:00	12.18776	20.30236	5.3754	10.8466
25/05/23 01:00	11.71311	8.19719	No data	7.79816
25/05/23 02:00	9.65016	No data	4.82298	10.65736
25/05/23 03:00	10.61077	18.13609	4.20386	8.40265
25/05/23 04:00	11.94213	22.08084	4.3505	8.87866
25/05/23 05:00	12.25625	17.82867	4.35051	8.77151
25/05/23 06:00	17.5831	9.27316	3.61713	10.24077
25/05/23 07:00	18.92565	11.52757	3.71495	13.65245
25/05/23 08:00	15.94779	16.8561	4.39924	12.67009
25/05/23 09:00	10.76702	12.50139	3.66598	14.14171
25/05/23 10:00	8.05955	9.99055	2.73726	17.12291
25/05/23 11:00	5.70872	9.42696	2.39507	16.08366
25/05/23 12:00	3.4765	4.91846	1.95515	14.24507
25/05/23 13:00	3.73386	7.63375	1.95518	16.76543
25/05/23 14:00	4.56474	3.74004	1.4175	14.40674
25/05/23 15:00	5.50202	3.94502	2.1996	15.9803
25/05/23 16:00	5.45136	4.35487	1.51521	14.56225
25/05/23 17:00	5.34394	3.94495	1.71079	20.61663
25/05/23 18:00	4.87072	5.277	1.7108	19.66368
25/05/23 19:00	5.95286	5.68679	2.49292	16.93045
25/05/23 20:00	9.36853	5.99425	3.42169	14.88278
25/05/23 21:00	7.29031	5.89173	4.79045	14.56892
25/05/23 22:00	4.80684	4.55966	4.35051	12.32259
25/05/23 23:00	4.65181	5.43059	4.3016	12.86353
26/05/23 00:00	4.65283	5.99414	3.22623	9.14273
26/05/23 01:00	4.00252	3.55849	2.60787	7.24838
26/05/23 02:00	3.10744	3.55849	2.08627	6.90304
26/05/23 03:00	2.74224	3.95199	3.5206	5.90461
26/05/23 04:00	3.6732	4.10596	3.91179	16.48764
26/05/23 05:00	4.45322	5.49172	6.30778	13.27092
26/05/23 06:00	7.00123	4.87583	5.13419	22.06289
26/05/23 07:00	5.97946	4.31127	4.64518	25.50556
26/05/23 08:00	4.57985	3.69537	4.74292	22.91956
26/05/23 09:00	3.64151	3.7467	4.5473	20.59636
26/05/23 10:00	3.43252	4.56789	3.66717	13.91828
26/05/23 11:00	2.96282	4.41392	2.34698	13.69282
26/05/23 12:00	2.85727	4.87584	1.51575	13.55688
26/05/23 13:00	2.85727	4.77318	1.51575	13.52461
26/05/23 14:00	3.42725	4.67054	1.46687	14.62544
26/05/23 15:00	3.47897	4.36258	1.51577	16.66644
26/05/23 16:00	3.58557	4.67053	1.61358	16.19156
26/05/23 17:00	4.04895	4.00331	1.51576	13.35338
26/05/23 18:00	4.5672	4.4139	1.61356	16.33557
26/05/23 19:00	4.20095	4.67052	2.15145	16.16736
26/05/23 20:00	5.80217	5.49171	3.81397	14.42647
26/05/23 21:00	8.48847	6.51819	6.06329	18.93014
26/05/23 22:00	6.05656	6.15891	3.96071	16.46596
26/05/23 23:00	7.04135	5.79965	5.96551	16.42132
27/05/23 00:00	6.78064	6.41554	6.65008	16.14517
27/05/23 01:00	6.48937	6.78703	5.60865	14.78742
27/05/23 02:00	7.82984	8.638	5.15212	21.97745
27/05/23 03:00	8.13043	14.8594	4.05973	21.57437
27/05/23 04:00	7.66418	28.07342	4.45103	21.14349
27/05/23 05:00	10.05229	13.72822	4.30429	22.83974
27/05/23 06:00	7.8945	7.35252	5.33141	22.68137
27/05/23 07:00	6.28432	4.26751	4.35319	12.1437
27/05/23 08:00	3.22581	3.65054	3.91299	9.84497
27/05/23 09:00	4.21807	2.87929	3.27712	13.9712
27/05/23 10:00	3.59362	3.08494	2.93472	13.33771
27/05/23 11:00	2.86345	4.42176	3.08146	9.23448
27/05/23 12:00	4.73464	4.31895	1.95648	10.8337
27/05/23 13:00	6.34917	5.24443	1.80973	12.32774
27/05/23 14:00	4.8338	4.93595	1.51626	12.16616
27/05/23 15:00	5.61028	7.14682	1.80975	16.26565
27/05/23 16:00	4.04969	9.76904	2.29887	15.05307
27/05/23 17:00	3.7865	7.09547	3.71732	15.68121
27/05/23 18:00	4.66542	9.20358	2.05431	13.13817
27/05/23 19:00	4.25021	7.04408	2.20105	12.7681
27/05/23 20:00	4.97492	6.11861	3.71735	19.40782
27/05/23 21:00	5.52163	9.1522	6.89667	28.08926
27/05/23 22:00	12.0161	27.91931	11.69009	18.46988
27/05/23 23:00	20.81402	27.86791	7.76079	30.79121
28/05/23 00:00	18.27643	37.74004	4.17387	30.88396
28/05/23 01:00	15.4785	29.94408	No data	28.59264
28/05/23 02:00	13.3355	36.67479	5.21895	29.26178
28/05/23 03:00	11.34757	27.1455	4.50135	19.95895
28/05/23 04:00	8.34257	20.96435	4.25672	14.28395
28/05/23 05:00	9.02061	24.62142	6.89882	11.73449
28/05/23 06:00	9.03977	33.27454	7.48597	7.60216
28/05/23 07:00	9.47905	29.30801	6.01815	6.66797
28/05/23 08:00	7.98895	14.67951	5.5778	5.46206
28/05/23 09:00	8.24913	13.18578	6.36066	6.72706
28/05/23 10:00	7.46296	11.84652	4.15888	8.51514

28/05/23 11:00	6.82433	11.8981	2.73997	7.78339
28/05/23 12:00	5.51555	9.4259	2.54426	8.46848
28/05/23 13:00	5.14499	8.18983	2.93568	7.61912
28/05/23 14:00	4.98393	7.62322	2.39748	7.98471
28/05/23 15:00	4.26084	5.92348	2.15284	5.57629
28/05/23 16:00	4.93324	9.32308	1.9082	5.36027
28/05/23 17:00	4.72262	19.52195	2.29962	5.7236
28/05/23 18:00	3.32262	7.41722	1.76141	7.02734
28/05/23 19:00	3.5828	4.63576	1.81034	6.91934
28/05/23 20:00	2.85632	4.27521	1.61462	7.18031
28/05/23 21:00	4.97491	4.63582	2.1039	10.68494
28/05/23 22:00	4.09752	5.04789	1.36999	8.01497
28/05/23 23:00	7.62061	5.92357	2.54424	8.75181
29/05/23 00:00	4.40838	5.872	2.1039	8.2833
29/05/23 01:00	3.87495	9.7012	1.69672	7.0678
29/05/23 02:00	4.35893	24.21878	2.80607	9.0321
29/05/23 03:00	3.52964	27.34931	4.2091	12.40159
29/05/23 04:00	5.29388	29.05214	2.39822	9.14396
29/05/23 05:00	5.66268	18.88629	1.81093	7.17984
29/05/23 06:00	6.13869	19.55663	2.30037	6.92639
29/05/23 07:00	5.3597	13.72526	2.54508	5.88157
29/05/23 08:00	4.16354	9.13296	2.83874	4.67611
29/05/23 09:00	3.282	8.10117	1.95778	6.45932
29/05/23 10:00	2.80949	5.21157	1.76198	6.51585
29/05/23 11:00	2.81181	4.02468	1.51729	8.09915
29/05/23 12:00	3.4964	4.85027	1.46833	7.68265
29/05/23 13:00	3.91474	3.92144	1.51729	6.37187
29/05/23 14:00	3.07807	3.19907	1.762	7.15072
29/05/23 15:00	2.92018	3.14754	1.71306	7.35837
29/05/23 16:00	4.01612	2.63153	1.46836	7.93611
29/05/23 17:00	3.91008	2.83794	1.46835	7.0454
29/05/23 18:00	4.21423	2.94117	1.61516	7.40239
29/05/23 19:00	4.47467	3.45719	1.37045	8.07949
29/05/23 20:00	4.70929	4.59237	1.51725	8.65366
29/05/23 21:00	7.26554	5.2116	1.56618	8.86131
29/05/23 22:00	9.89015	5.67613	1.41937	9.59435
29/05/23 23:00	5.29388	6.55341	1.4683	7.92003
30/05/23 00:00	3.58382	6.03738	2.59397	5.29727
30/05/23 01:00	5.81761	18.05885	3.39443	4.40759
30/05/23 02:00	4.1568	21.84994	3.00277	5.24868
30/05/23 03:00	3.4278	31.79276	2.54588	4.09124
30/05/23 04:00	4.572	21.24671	1.5178	4.35581
30/05/23 05:00	4.8303	20.21246	1.71361	5.7728
30/05/23 06:00	6.06241	9.76981	3.32925	8.08831
30/05/23 07:00	5.57371	11.47542	2.88858	12.36058
30/05/23 08:00	5.94661	8.32226	2.93754	15.48606
30/05/23 09:00	4.80001	15.61063	2.79071	15.11104
30/05/23 10:00	3.75841	8.01202	2.93761	15.95401
30/05/23 11:00	3.55441	11.73378	3.03548	14.10332
30/05/23 12:00	3.55201	13.54312	2.79072	14.95067
30/05/23 13:00	8.26502	19.8496	3.57408	15.63954
30/05/23 14:00	3.76081	10.59642	3.9168	18.27327
30/05/23 15:00	4.28461	10.33823	2.83967	17.74978
30/05/23 16:00	5.15971	13.02618	4.06372	14.68173
30/05/23 17:00	5.79091	11.52738	2.93759	13.73456
30/05/23 18:00	4.48021	11.21734	2.93752	12.25325
30/05/23 19:00	3.7971	11.37276	2.1542	9.52472
30/05/23 20:00	3.9492	11.21765	1.90939	9.30505
30/05/23 21:00	3.59071	11.73467	1.66463	7.30339
30/05/23 22:00	2.2353	5.42786	1.90948	6.56712
30/05/23 23:00	1.5099	5.53131	1.37086	6.19648
31/05/23 00:00	1.9734	5.27285	0.71808	4.93547
31/05/23 01:00	2.4241	No data	No data	3.01229
31/05/23 02:00	3.18925	10.49577	1.76311	2.73599
31/05/23 03:00	2.13469	5.17869	1.95902	2.20938
31/05/23 04:00	2.39318	2.74467	1.86112	3.20816
31/05/23 05:00	3.38137	3.57312	1.56723	3.25931
31/05/23 06:00	3.28119	6.5249	2.59579	6.3678
31/05/23 07:00	4.90385	10.97805	3.33032	11.48632
31/05/23 08:00	6.16537	10.40822	4.16294	19.20248
31/05/23 09:00	5.48762	6.9388	3.37927	13.35013
31/05/23 10:00	6.80108	6.57635	3.6241	15.89202
31/05/23 11:00	6.10353	6.5762	3.23236	15.82183
31/05/23 12:00	6.68977	7.40483	3.13445	14.89521
31/05/23 13:00	5.12029	6.52441	3.42846	13.50292
31/05/23 14:00	5.38001	5.69607	2.20395	14.71418
31/05/23 15:00	4.85685	7.24943	3.08546	13.88855
31/05/23 16:00	5.59398	11.13337	2.44882	13.1842
31/05/23 17:00	5.06835	13.56759	3.23244	14.33117
31/05/23 18:00	4.18281	9.47673	2.30185	13.52977
31/05/23 19:00	4.32256	8.02671	3.72206	12.05225
31/05/23 20:00	3.59286	8.13036	2.88954	9.78056
31/05/23 21:00	4.07397	5.43748	2.69365	9.40346
31/05/23 22:00	2.28929	5.80011	1.81209	8.77456
31/05/23 23:00	2.13345	6.05908	1.22442	6.1999
01/06/23 00:00	1.97886	4.14285	0.68571	5.88249
01/06/23 01:00	2.77619	4.28876	0.8492	5.74903
01/06/23 02:00	1.73809	5.46463	1.2411	4.13489
01/06/23 03:00	1.66877	3.89082	1.07784	4.04782

01/06/23 04:00	2.0276	5.13615	1.17585	5.21072
01/06/23 05:00	2.2483	4.61724	1.86169	6.73848
01/06/23 06:00	3.54422	5.0322	3.62548	9.05191
01/06/23 07:00	4.64238	11.36139	3.13543	14.60384
01/06/23 08:00	5.89141	10.94612	3.57627	19.39237
01/06/23 09:00	6.42914	13.64362	3.77223	15.60026
01/06/23 10:00	5.22573	6.89946	3.33141	16.52326
01/06/23 11:00	5.06849	11.51629	3.33138	18.63831
01/06/23 12:00	4.70328	8.66339	2.89049	16.94613
01/06/23 13:00	4.07813	9.07789	2.98846	14.94642
01/06/23 14:00	4.24174	5.34287	2.40074	15.42249
01/06/23 15:00	4.07813	8.76669	2.00881	17.94667
01/06/23 16:00	4.24429	13.02047	2.35166	18.01293
01/06/23 17:00	4.08832	11.10136	2.54761	15.5821
01/06/23 18:00	4.23919	10.58294	2.7435	13.08776
01/06/23 19:00	4.27208	9.07876	2.64549	10.32465
01/06/23 20:00	4.0603	11.25778	2.15564	10.002
01/06/23 21:00	3.17775	7.10755	1.51883	9.04916
01/06/23 22:00	2.29137	7.21128	1.8127	8.10113
01/06/23 23:00	2.39281	6.84814	1.37176	6.26584
02/06/23 00:00	1.5128	5.86244	1.27378	4.73396
02/06/23 01:00	2.08663	4.29632	0.84956	4.14392
02/06/23 02:00	1.60097	3.94982	0.98018	3.65042
02/06/23 03:00	1.92529	4.00176	1.61721	4.00517
02/06/23 04:00	1.51163	8.36775	1.37212	4.28165
02/06/23 05:00	1.7237	4.05385	1.37228	5.15879
02/06/23 06:00	2.81643	13.72043	3.62684	7.00941
02/06/23 07:00	3.7115	8.0033	3.33261	10.61342
02/06/23 08:00	4.28781	8.41852	3.62653	13.48221
02/06/23 09:00	3.81688	9.35364	3.82257	14.85093
02/06/23 10:00	3.93536	10.80821	3.28365	14.75082
02/06/23 11:00	4.10587	8.10612	2.30358	12.45669
02/06/23 12:00	3.24843	12.10715	No data	14.41317
02/06/23 13:00	3.24974	9.9769	2.02569	14.17994
02/06/23 14:00	2.88156	6.18362	2.49939	13.24162
02/06/23 15:00	2.78011	6.07978	2.05845	13.96751
02/06/23 16:00	3.31094	7.58655	2.0583	11.8562
02/06/23 17:00	3.82212	4.57301	2.10734	11.67841
02/06/23 18:00	3.5554	6.54793	1.66633	8.88085
02/06/23 19:00	4.96426	5.92422	1.91131	8.8665
02/06/23 20:00	3.44346	5.50871	1.71527	8.82828
02/06/23 21:00	5.51831	7.3796	2.45022	11.96223
02/06/23 22:00	5.5782	7.69138	2.84242	14.17868
02/06/23 23:00	4.95247	8.15938	1.61721	13.33329
03/06/23 00:00	9.57964	6.54771	1.66623	9.17616
03/06/23 01:00	4.17176	3.74824	No data	10.28812
03/06/23 02:00	3.54501	4.51196	1.37266	7.95591
03/06/23 03:00	5.281	4.47757	2.157	9.7276
03/06/23 04:00	6.51265	11.14184	3.38247	5.9208
03/06/23 05:00	5.21874	10.82943	2.25512	4.48162
03/06/23 06:00	5.55815	21.08578	2.35315	5.54448
03/06/23 07:00	4.98393	18.68904	2.05903	6.76371
03/06/23 08:00	4.15065	18.89488	2.4514	11.27675
03/06/23 09:00	4.3684	11.76351	2.79462	12.5673
03/06/23 10:00	4.10127	8.58827	3.18664	11.38249
03/06/23 11:00	3.36273	9.36934	2.30424	10.80916
03/06/23 12:00	3.41211	5.62177	2.30422	10.32437
03/06/23 13:00	3.61908	4.00837	2.10809	11.02114
03/06/23 14:00	3.29583	4.37272	1.91198	9.37049
03/06/23 15:00	3.09021	3.27971	2.20617	9.89967
03/06/23 16:00	3.50684	3.80027	2.15702	10.9159
03/06/23 17:00	3.6137	3.90432	1.7648	9.85603
03/06/23 18:00	4.07837	3.74841	2.20597	8.9398
03/06/23 19:00	3.3973	4.5815	2.10807	9.35178
03/06/23 20:00	3.34118	5.36219	2.50009	7.97171
03/06/23 21:00	3.85659	5.77898	2.20595	12.60146
03/06/23 22:00	5.4751	6.66389	2.00999	11.3972
03/06/23 23:00	5.78219	7.23685	1.76474	16.48732
04/06/23 00:00	5.00234	8.27838	2.45096	9.6675
04/06/23 01:00	4.31081	19.26405	2.87686	7.27297
04/06/23 02:00	4.38584	27.40082	3.00747	8.68792
04/06/23 03:00	6.15623	27.43561	1.81445	13.51605
04/06/23 04:00	4.06987	29.00021	2.84415	8.83893
04/06/23 05:00	3.49511	23.15768	2.89318	7.07508
04/06/23 06:00	5.18246	12.36069	3.13846	6.64592
04/06/23 07:00	5.03024	9.3352	2.0107	6.65527
04/06/23 08:00	2.83133	8.65748	1.81467	5.91398
04/06/23 09:00	2.10297	5.63218	2.15787	6.61895
04/06/23 10:00	1.94659	9.07373	2.207	6.98531
04/06/23 11:00	2.26487	9.02124	2.35412	8.81585
04/06/23 12:00	2.62836	5.99664	2.25603	8.42067
04/06/23 13:00	2.6791	5.05826	1.76552	7.78005
04/06/23 14:00	2.36221	6.62286	1.66751	6.93575
04/06/23 15:00	2.5172	4.69351	1.42233	7.56625
04/06/23 16:00	3.03844	4.38055	1.91261	7.09532
04/06/23 17:00	2.88207	4.32824	1.37317	6.76995
04/06/23 18:00	2.72293	4.17214	1.56937	6.98375
04/06/23 19:00	2.72293	4.17209	1.76537	7.93106
04/06/23 20:00	2.98078	5.42358	2.20675	9.86899

04/06/23 21:00	3.39225	6.67569	1.81447	10.65595
04/06/23 22:00	4.70366	6.46723	1.66746	9.18193
04/06/23 23:00	3.13577	6.36263	1.32401	7.55146
05/06/23 00:00	2.45539	4.69375	1.37314	5.80474
05/06/23 01:00	4.32025	3.06445	1.30815	5.70921
05/06/23 02:00	2.85383	3.90073	1.04665	4.3011
05/06/23 03:00	2.29972	3.76151	0.93215	3.33532
05/06/23 04:00	1.72301	3.97037	0.78496	3.75467
05/06/23 05:00	1.51859	5.53815	1.27542	6.29348
05/06/23 06:00	2.1968	6.94812	2.06035	8.61977
05/06/23 07:00	3.87474	9.24678	2.64887	10.4334
05/06/23 08:00	5.40327	11.59711	4.02255	18.53645
05/06/23 09:00	5.08316	7.41783	3.13962	15.11916
05/06/23 10:00	3.98618	8.98466	2.89422	14.60244
05/06/23 11:00	4.78292	5.0667	2.74728	13.04434
05/06/23 12:00	4.51923	11.1786	3.04144	13.08723
05/06/23 13:00	3.3165	6.89502	2.40379	14.01278
05/06/23 14:00	2.72985	6.52914	2.01131	11.88039
05/06/23 15:00	3.25865	14.94059	2.35468	13.80027
05/06/23 16:00	4.23319	7.05194	2.74716	11.83576
05/06/23 17:00	3.58728	8.77612	2.59988	11.2055
05/06/23 18:00	3.88326	11.49392	2.50174	9.74314
05/06/23 19:00	3.29946	6.32149	2.01116	8.31233
05/06/23 20:00	3.92123	5.79842	2.35466	8.88015
05/06/23 21:00	3.24019	5.12002	1.4227	9.03427
05/06/23 22:00	2.24755	4.12703	0.7851	7.29441
05/06/23 23:00	2.71707	4.12692	0.73592	6.12722
06/06/23 00:00	2.14321	2.87298	0.49068	6.34054
06/06/23 01:00	2.64747	2.72074	No data	3.87913
06/06/23 02:00	2.6533	4.6755	No data	4.95478
06/06/23 03:00	2.51212	9.73577	1.11234	4.23796
06/06/23 04:00	2.30763	14.81345	1.12868	4.09055
06/06/23 05:00	2.71952	11.46288	1.91378	5.86979
06/06/23 06:00	3.24457	7.90321	3.23838	9.25915
06/06/23 07:00	6.89397	12.19428	3.72905	18.61474
06/06/23 08:00	7.548	17.53224	3.72943	23.97693
06/06/23 09:00	6.08746	8.05885	4.17085	22.12812
06/06/23 10:00	5.45942	8.63455	3.18958	23.47436
06/06/23 11:00	4.98804	5.54601	3.18967	19.14177
06/06/23 12:00	6.67783	7.32576	3.2877	15.26652
06/06/23 13:00	4.36729	10.67505	2.60094	16.957
06/06/23 14:00	5.05045	10.30902	2.30648	29.60887
06/06/23 15:00	4.73716	11.66953	2.99333	19.26567
06/06/23 16:00	7.41175	13.92017	4.12173	16.34961
06/06/23 17:00	7.30004	9.10597	3.72943	16.81702
06/06/23 18:00	6.13384	7.693	2.64981	16.693
06/06/23 19:00	4.97202	8.58314	2.01199	11.11803
06/06/23 20:00	4.75733	6.01842	1.81575	10.48137
06/06/23 21:00	3.81893	5.49535	1.7666	8.5672
06/06/23 22:00	3.34463	5.44289	1.07959	10.15968
06/06/23 23:00	2.2525	3.76801	1.22671	9.2005
07/06/23 00:00	2.29889	3.03509	0.88338	7.03672
07/06/23 01:00	2.09236	3.0053	0.91636	5.36938
07/06/23 02:00	2.2357	2.79588	0.85106	4.95488
07/06/23 03:00	1.46724	3.72192	1.03097	4.29378
07/06/23 04:00	1.41399	3.51241	1.76696	5.08792
07/06/23 05:00	2.04408	3.8268	1.91419	5.29488
07/06/23 06:00	3.82239	4.92811	2.1107	8.37103
07/06/23 07:00	4.25838	8.38789	2.45419	15.2179
07/06/23 08:00	5.14829	9.69813	2.65067	21.40414
07/06/23 09:00	6.00086	5.45155	2.94519	19.75519
07/06/23 10:00	5.57831	5.92326	2.84694	17.20557
07/06/23 11:00	4.37037	4.82195	2.6017	18.50822
07/06/23 12:00	4.95717	3.61647	2.4055	No data
07/06/23 13:00	4.15984	3.51165	2.40536	13.90271
07/06/23 14:00	3.7343	3.14476	2.25821	12.78377
07/06/23 15:00	3.84031	3.87848	2.60159	13.54075
07/06/23 16:00	4.90341	3.66891	2.7003	14.80337
07/06/23 17:00	5.00047	4.35069	2.55241	12.01895
07/06/23 18:00	5.46035	4.61321	2.45444	14.8214
07/06/23 19:00	6.91913	4.35082	2.50341	9.06996
07/06/23 20:00	7.22522	5.1373	2.01251	10.70673
07/06/23 21:00	5.81123	5.87146	2.15974	6.98969
07/06/23 22:00	7.16251	6.02903	2.25789	8.26189
07/06/23 23:00	6.69218	5.19024	1.71782	7.51971
08/06/23 00:00	7.74035	3.45972	2.69947	5.45162
08/06/23 01:00	5.72471	3.01043	2.4877	3.17903
08/06/23 02:00	7.03712	3.36038	0.65484	3.68068
08/06/23 03:00	4.99184	3.36116	0.78583	3.97522
08/06/23 04:00	4.0103	3.72848	0.8348	4.14249
08/06/23 05:00	1.3645	4.41162	0.83488	5.99186
08/06/23 06:00	2.31056	5.25118	1.86581	9.44336
08/06/23 07:00	4.26265	6.40608	2.55312	16.08622
08/06/23 08:00	5.48247	6.77402	3.58432	21.47524
08/06/23 09:00	4.97472	5.88089	3.48648	25.35328
08/06/23 10:00	5.49317	5.30302	3.14296	19.12021
08/06/23 11:00	5.8434	6.19526	2.99577	13.91652
08/06/23 12:00	5.32709	5.4083	2.50441	13.38591
08/06/23 13:00	3.47502	4.72543	2.50418	11.18223

08/06/23 14:00	3.42884	3.93806	2.20975	13.74237
08/06/23 15:00	3.052	3.8332	2.25884	13.0574
08/06/23 16:00	4.20728	3.99059	2.16043	12.45499
08/06/23 17:00	4.74256	4.14854	2.45512	10.31795
08/06/23 18:00	5.15335	4.6738	2.60263	12.87121
08/06/23 19:00	7.02865	4.62147	2.06244	9.34532
08/06/23 20:00	8.3855	5.25146	1.81688	8.3284
08/06/23 21:00	6.75336	5.30427	1.57123	7.84897
08/06/23 22:00	8.27018	5.98727	1.91506	5.88608
08/06/23 23:00	8.42557	5.09441	2.30751	5.19509
09/06/23 00:00	4.23817	3.93861	2.55315	3.81742
09/06/23 01:00	2.86384	2.87601	No data	3.97057
09/06/23 02:00	3.84311	3.36728	0.65523	5.02956
09/06/23 03:00	2.46511	3.41989	0.85154	3.93102
09/06/23 04:00	4.44967	3.41981	1.24449	3.92847
09/06/23 05:00	5.39666	3.47229	2.06287	4.77566
09/06/23 06:00	6.08816	4.05065	2.25937	6.4828
09/06/23 07:00	6.84611	5.47045	2.89786	11.17466
09/06/23 08:00	7.49309	7.41583	3.58583	17.26787
09/06/23 09:00	6.76334	4.7336	3.68409	14.35479
09/06/23 10:00	5.71165	5.68006	2.99636	11.57676
09/06/23 11:00	4.54275	5.15461	2.358	12.44096
09/06/23 12:00	5.59443	7.10044	2.45608	12.17451
09/06/23 13:00	4.85997	7.3638	2.70169	12.11221
09/06/23 14:00	5.15684	5.57629	5.2579	11.68011
09/06/23 15:00	4.05751	4.8926	3.3401	11.66736
09/06/23 16:00	3.99889	4.68232	2.7997	11.55891
09/06/23 17:00	4.63335	7.26033	2.60332	12.82715
09/06/23 18:00	4.83178	5.73492	2.84867	11.17891
09/06/23 19:00	7.76646	6.15585	2.60311	9.09348
09/06/23 20:00	7.49845	7.52399	2.65238	8.06959
09/06/23 21:00	3.72305	7.26152	3.29041	7.32659
09/06/23 22:00	3.84102	10.5769	3.48692	7.33169
09/06/23 23:00	3.29956	12.36582	2.40652	8.07809
10/06/23 00:00	2.93312	11.10302	2.161	7.00464
10/06/23 01:00	2.65891	9.41832	2.16175	8.17873
10/06/23 02:00	2.30961	16.02515	2.22731	8.80254
10/06/23 03:00	5.79219	12.75693	2.84958	6.43867
10/06/23 04:00	6.22811	11.86063	2.50579	4.85591
10/06/23 05:00	5.66497	12.54574	2.40764	6.16186
10/06/23 06:00	5.77937	13.33596	2.60394	7.39371
10/06/23 07:00	6.32094	16.7072	4.07798	8.56835
10/06/23 08:00	6.60054	18.86549	5.25726	10.71734
10/06/23 09:00	7.28808	13.59509	6.14151	13.40821
10/06/23 10:00	8.07399	10.01226	6.82941	11.70178
10/06/23 11:00	6.84007	8.32692	6.87835	12.81249
10/06/23 12:00	5.93655	6.85182	5.84612	14.85639
10/06/23 13:00	5.61738	5.7452	5.30566	15.47992
10/06/23 14:00	5.2966	6.00903	4.22502	21.39857
10/06/23 15:00	5.71896	6.00911	3.88137	17.38915
10/06/23 16:00	4.77908	5.7456	3.53744	19.02157
10/06/23 17:00	4.77747	5.85111	3.63541	15.94274
10/06/23 18:00	10.53921	5.324	4.32318	14.65956
10/06/23 19:00	11.68707	6.58926	4.61785	16.94574
10/06/23 20:00	14.25758	14.81298	5.99321	16.29197
10/06/23 21:00	16.18975	22.45679	5.9933	15.60115
10/06/23 22:00	16.45172	23.30046	8.94049	19.52899
10/06/23 23:00	15.03708	20.34778	7.22134	16.88601
11/06/23 00:00	11.42189	10.91096	6.58269	14.40962
11/06/23 01:00	8.53662	19.36198	5.63475	9.57069
11/06/23 02:00	6.5789	27.03656	8.5168	11.29556
11/06/23 03:00	8.29191	15.73557	7.6164	12.55495
11/06/23 04:00	9.91915	18.1651	6.14202	12.1876
11/06/23 05:00	11.75616	13.09521	5.40534	8.7196
11/06/23 06:00	7.41356	13.0941	4.81577	8.98911
11/06/23 07:00	7.79539	18.10802	4.71799	8.08854
11/06/23 08:00	7.70527	9.81855	5.3077	8.14909
11/06/23 09:00	7.70527	10.87352	6.58544	8.95513
11/06/23 10:00	9.48983	8.81555	7.42097	10.44696
11/06/23 11:00	7.04813	6.75758	6.33957	9.96433
11/06/23 12:00	6.51718	6.38832	6.43765	12.93388
11/06/23 13:00	9.77331	7.02147	6.24102	13.72747
11/06/23 14:00	10.77129	4.75199	4.52116	13.04002
11/06/23 15:00	10.93189	4.69935	4.52116	13.08895
11/06/23 16:00	11.2924	5.01614	3.98029	11.37902
11/06/23 17:00	10.92533	5.54435	4.66818	12.22402
11/06/23 18:00	8.13623	7.23451	7.37068	12.32768
11/06/23 19:00	15.53176	18.27064	8.10799	14.76899
11/06/23 20:00	12.95897	19.53719	7.61664	13.96876
11/06/23 21:00	8.50002	18.21612	6.92852	10.20147
11/06/23 22:00	10.48997	17.79337	8.4027	10.56883
11/06/23 23:00	12.84918	21.33264	5.65087	11.95949
12/06/23 00:00	11.17605	33.69061	5.0613	9.8308
12/06/23 01:00	8.19195	23.13359	No data	14.40987
12/06/23 02:00	8.19195	32.30274	4.84948	10.43602
12/06/23 03:00	8.56157	37.29283	5.01366	9.89676
12/06/23 04:00	9.08641	36.60415	5.24295	9.79049
12/06/23 05:00	10.61347	37.60872	10.22466	11.33382
12/06/23 06:00	14.45987	31.36182	8.99625	19.05948

12/06/23 07:00	14.76084	34.21634	8.99533	32.18278
12/06/23 08:00	16.36385	34.42678	7.56994	23.93562
12/06/23 09:00	13.49955	17.662	6.63595	25.04241
12/06/23 10:00	10.75866	18.19178	6.16068	20.57674
12/06/23 11:00	5.78495	9.57213	No data	18.92714
12/06/23 12:00	5.63253	7.87952	No data	18.86335
12/06/23 13:00	6.83966	5.76368	No data	21.57479
12/06/23 14:00	5.89327	5.12945	No data	19.50915
12/06/23 15:00	5.90165	5.44706	No data	20.10264
12/06/23 16:00	6.57389	5.44706	No data	19.9375
12/06/23 17:00	13.67261	14.01408	No data	23.19257
12/06/23 18:00	10.08695	42.89452	No data	18.65442
12/06/23 19:00	12.97524	56.32818	No data	29.64516
12/06/23 20:00	15.96682	45.96411	No data	36.36507
12/06/23 21:00	17.53463	31.31254	No data	28.10299
12/06/23 22:00	20.73949	24.4894	No data	17.62504
12/06/23 23:00	21.99575	37.02676	No data	12.95898
13/06/23 00:00	26.77681	41.15291	No data	12.9557
13/06/23 01:00	21.64641	36.87894	No data	9.96424
13/06/23 02:00	19.71502	36.52537	No data	8.82078
13/06/23 03:00	16.08064	22.78193	No data	11.58051
13/06/23 04:00	15.34695	36.56147	No data	10.28926
13/06/23 05:00	16.09948	44.72194	No data	14.56346
13/06/23 06:00	13.28862	37.40098	No data	20.15701
13/06/23 07:00	13.21439	31.77942	No data	20.60443
13/06/23 08:00	17.50861	34.42616	No data	21.7361
13/06/23 09:00	14.32948	24.63139	No data	19.45358
13/06/23 10:00	13.31945	17.10929	No data	16.9429
13/06/23 11:00	10.18943	No data	No data	17.61986
13/06/23 12:00	8.12882	6.251	No data	14.67552
13/06/23 13:00	8.93444	5.24423	No data	14.19272
13/06/23 14:00	5.797	4.71453	No data	16.22303
13/06/23 15:00	5.90035	4.8213	No data	15.47506
13/06/23 16:00	6.53412	5.88117	No data	15.7378
13/06/23 17:00	6.74423	5.29896	No data	13.9686
13/06/23 18:00	6.47987	4.87507	No data	12.84746
13/06/23 19:00	9.36724	5.40486	No data	10.71158
13/06/23 20:00	12.83071	7.36522	No data	10.81878
13/06/23 21:00	13.19156	5.98774	No data	11.82219
13/06/23 22:00	15.82314	6.51686	No data	10.86387
13/06/23 23:00	14.87248	9.16735	No data	9.21645
14/06/23 00:00	6.83901	8.90303	No data	7.72133
14/06/23 01:00	7.01682	9.54242	No data	7.82155
14/06/23 02:00	7.58693	27.70902	No data	7.18034
14/06/23 03:00	8.37495	27.72651	No data	6.93048
14/06/23 04:00	13.63057	32.9734	No data	7.89949
14/06/23 05:00	15.32167	54.00847	No data	7.94634
14/06/23 06:00	13.99149	52.93882	No data	9.4647
14/06/23 07:00	13.94057	27.87001	No data	14.72139
14/06/23 08:00	14.38565	28.76707	No data	21.10844
14/06/23 09:00	11.19624	23.15264	No data	20.37165
14/06/23 10:00	8.63248	15.737	No data	18.01239
14/06/23 11:00	6.9817	5.82898	2.08313	16.86842
14/06/23 12:00	5.54297	5.29945	1.89375	19.8055
14/06/23 13:00	5.05931	5.35275	1.13626	14.98767
14/06/23 14:00	4.95592	4.98199	1.98846	19.60881
14/06/23 15:00	5.32918	5.19415	4.4977	16.78957
14/06/23 16:00	5.06456	5.45878	0.89954	18.50416
14/06/23 17:00	7.69849	5.67094	1.04157	14.04952
14/06/23 18:00	9.9679	9.27567	0.75751	12.01859
14/06/23 19:00	8.53442	5.88347	0.56813	10.72685
14/06/23 20:00	8.95151	7.47382	1.65704	11.31107
14/06/23 21:00	7.15876	7.47354	2.93532	9.97807
14/06/23 22:00	7.681	10.54809	2.93531	7.68166
14/06/23 23:00	8.15416	7.68524	2.22516	8.96221
15/06/23 00:00	8.5765	9.75338	2.36719	6.02513
15/06/23 01:00	9.75673	19.93997	1.89351	5.69771
15/06/23 02:00	9.13007	15.90941	2.58779	6.62503
15/06/23 03:00	10.37121	16.70484	2.27221	8.39925
15/06/23 04:00	11.56811	37.44066	2.13019	9.29459
15/06/23 05:00	10.11705	36.00611	2.50888	11.70887
15/06/23 06:00	11.35942	28.10107	4.82842	14.83286
15/06/23 07:00	15.55475	18.34177	6.48526	15.58878
15/06/23 08:00	16.04974	22.62817	6.57993	17.21831
15/06/23 09:00	12.47072	21.67711	6.48526	24.56938
15/06/23 10:00	10.82883	18.446	4.16571	16.88972
15/06/23 11:00	8.88754	10.3377	2.41421	18.43277
15/06/23 12:00	6.98137	7.15795	1.13609	16.29217
15/06/23 13:00	6.73435	8.21868	0.71005	16.26611
15/06/23 14:00	3.85544	4.50725	1.23076	19.07968
15/06/23 15:00	3.38187	3.97715	0.66271	19.10299
15/06/23 16:00	4.66436	4.93163	1.13609	17.66263
15/06/23 17:00	5.12186	4.29528	2.55622	14.26494
15/06/23 18:00	5.84959	5.99228	1.94083	19.81863
15/06/23 19:00	5.05674	5.56816	1.5148	14.47821
15/06/23 20:00	7.42814	6.46953	1.23076	15.53271
15/06/23 21:00	8.79623	7.95438	2.60357	12.27483
15/06/23 22:00	8.42433	8.00698	6.6273	14.46557
15/06/23 23:00	8.3173	5.72595	6.24859	13.1828

16/06/23 00:00	9.78884	4.8778	2.31954	10.57104
16/06/23 01:00	9.12171	5.44531	5.93231	7.62158
16/06/23 02:00	8.70558	6.15261	8.45669	7.1265
16/06/23 03:00	8.10539	7.95607	6.86317	7.70523
16/06/23 04:00	8.05105	18.30092	7.85715	10.00597
16/06/23 05:00	9.00306	27.36924	6.76849	11.70317
16/06/23 06:00	9.44131	38.1812	9.56101	14.59964
16/06/23 07:00	10.47036	15.11387	12.92159	18.48423
16/06/23 08:00	9.64101	9.28046	14.24688	23.6947
16/06/23 09:00	7.46178	4.93204	7.52571	25.34866
16/06/23 10:00	7.36007	3.18219	4.16519	18.89297
16/06/23 11:00	5.39298	3.23525	2.08255	23.06316
16/06/23 12:00	6.2854	2.81114	2.60323	16.58599
16/06/23 13:00	6.29937	3.07608	0.99395	19.22026
16/06/23 14:00	4.06754	3.07616	0.99396	13.09611
16/06/23 15:00	5.62083	4.19043	1.32527	12.39049
16/06/23 16:00	5.17734	3.18278	1.89325	16.4009
16/06/23 17:00	6.02765	3.12956	1.04128	15.32709
16/06/23 18:00	4.85477	3.50087	0.89928	19.28257
16/06/23 19:00	5.05992	3.87243	1.75127	17.01338
16/06/23 20:00	7.53205	5.03933	3.21858	18.4468
16/06/23 21:00	6.58353	4.88007	2.65059	18.76552
16/06/23 22:00	7.05342	4.19026	5.44321	19.47269
16/06/23 23:00	6.74482	5.30452	10.17643	15.7089
17/06/23 00:00	7.16037	5.99375	7.7625	19.01915
17/06/23 01:00	6.66901	6.15547	5.11125	16.11861
17/06/23 02:00	6.80467	7.42896	5.42674	16.9024
17/06/23 03:00	6.89628	7.16375	8.04548	17.97735
17/06/23 04:00	8.10217	7.64111	8.70805	13.66565
17/06/23 05:00	8.52962	9.28621	6.90964	12.89902
17/06/23 06:00	9.32342	8.38456	9.46511	21.07345
17/06/23 07:00	10.22919	7.16423	8.18742	19.95198
17/06/23 08:00	10.23943	8.22549	6.95688	24.44291
17/06/23 09:00	9.76794	9.44575	8.28207	17.49606
17/06/23 10:00	12.66827	9.23329	9.4179	19.00777
17/06/23 11:00	8.48249	24.93093	9.46524	18.68559
17/06/23 12:00	7.40533	9.1253	6.24698	24.22684
17/06/23 13:00	6.18067	6.47353	5.06386	22.431
17/06/23 14:00	4.69653	4.93506	3.36012	18.94817
17/06/23 15:00	4.43535	4.24532	2.98154	16.39152
17/06/23 16:00	5.59207	4.61692	4.11736	15.65294
17/06/23 17:00	6.74537	4.98853	3.12353	13.98244
17/06/23 18:00	7.74095	5.20051	2.5556	17.63098
17/06/23 19:00	6.6351	4.61692	2.46093	15.15735
17/06/23 20:00	6.47566	5.51865	3.59678	16.64289
17/06/23 21:00	7.1066	6.31502	3.78608	15.7817
17/06/23 22:00	7.21005	6.2617	4.49601	19.10344
17/06/23 23:00	7.68325	5.41242	5.11125	14.66408
18/06/23 00:00	8.26502	4.6692	6.05779	13.59759
18/06/23 01:00	8.20795	5.73282	6.43567	16.51178
18/06/23 02:00	9.11674	6.15727	7.25588	11.00583
18/06/23 03:00	8.04639	6.05144	5.72585	14.12626
18/06/23 04:00	7.99216	6.74167	5.34729	12.31102
18/06/23 05:00	7.73604	10.93645	5.06332	7.83548
18/06/23 06:00	9.59225	11.20178	5.77311	5.84834
18/06/23 07:00	10.59918	5.94532	9.36955	6.59963
18/06/23 08:00	10.07527	4.67097	10.64717	7.94172
18/06/23 09:00	9.66648	6.26321	8.65957	11.17306
18/06/23 10:00	7.50993	5.83853	9.03815	11.54149
18/06/23 11:00	6.49299	4.29939	7.33469	10.20016
18/06/23 12:00	5.7405	3.92787	5.77313	12.40435
18/06/23 13:00	6.15597	4.51078	4.63744	11.69516
18/06/23 14:00	6.05085	5.41309	5.77312	14.08491
18/06/23 15:00	12.26771	5.25388	6.95615	15.97297
18/06/23 16:00	8.05306	5.67932	11.68823	16.88325
18/06/23 17:00	9.79581	19.95779	7.38205	16.71363
18/06/23 18:00	10.6284	17.72925	9.18026	24.96269
18/06/23 19:00	12.51716	13.32254	9.46417	26.03499
18/06/23 20:00	13.9379	12.10159	7.90259	22.65682
18/06/23 21:00	10.51829	20.38247	6.43565	14.51781
18/06/23 22:00	10.15205	17.83286	3.40704	13.01826
18/06/23 23:00	8.10061	15.02074	4.25889	15.21788
19/06/23 00:00	5.26581	14.27824	2.88655	10.86833
19/06/23 01:00	6.31323	13.73558	3.02813	9.43899
19/06/23 02:00	6.03737	11.25731	3.72203	8.08407
19/06/23 03:00	5.68875	9.18601	5.39385	6.86724
19/06/23 04:00	6.62629	8.38965	7.14455	9.65398
19/06/23 05:00	21.09308	12.3188	11.45002	9.22324
19/06/23 06:00	15.32017	13.96197	11.11847	14.35215
19/06/23 07:00	13.66825	14.86219	7.33334	14.6372
19/06/23 08:00	9.59353	13.11164	4.96774	12.13626
19/06/23 09:00	7.81584	17.09233	5.10966	9.57425
19/06/23 10:00	5.83613	9.23604	3.64307	7.75497
19/06/23 11:00	5.63086	8.44004	4.0688	25.11212
19/06/23 12:00	7.13656	12.26318	3.83227	7.20183
19/06/23 13:00	7.03149	11.73304	2.88607	8.47002
19/06/23 14:00	5.76569	11.0951	4.30541	6.61292
19/06/23 15:00	5.50789	13.11293	4.0215	10.01509
19/06/23 16:00	6.50774	9.50326	5.01521	9.20341

19/06/23 17:00	8.35958	8.97341	5.67761	7.56955
19/06/23 18:00	7.28116	11.0979	4.40009	7.51374
19/06/23 19:00	8.27287	10.24872	5.34637	9.55586
19/06/23 20:00	8.95586	11.36433	5.72502	10.30198
19/06/23 21:00	8.99538	17.95018	6.62409	12.2793
19/06/23 22:00	10.93603	16.09111	7.04997	18.76751
19/06/23 23:00	9.36152	16.6748	7.00267	29.77289
20/06/23 00:00	7.88557	14.01874	7.33388	19.43458
20/06/23 01:00	5.18387	11.8285	7.44337	18.12852
20/06/23 02:00	5.61037	10.55339	9.02035	18.84646
20/06/23 03:00	7.99064	9.08283	9.27262	24.48423
20/06/23 04:00	6.622	8.97636	11.68524	14.4074
20/06/23 05:00	7.58955	9.29489	13.62476	25.01047
20/06/23 06:00	8.31686	9.29597	13.48274	31.36692
20/06/23 07:00	16.71959	32.37256	15.23364	30.51522
20/06/23 08:00	28.51521	49.53679	21.00427	39.36348
20/06/23 09:00	26.43367	42.49119	18.78037	29.77927
20/06/23 10:00	26.51001	22.89317	18.11877	27.11769
20/06/23 11:00	26.66268	17.68786	16.03707	25.9842
20/06/23 12:00	22.27341	22.04256	12.72587	32.07806
20/06/23 13:00	17.79352	27.82173	8.84639	29.8573
20/06/23 14:00	15.093	22.72614	6.48103	22.61773
20/06/23 15:00	11.63807	16.72835	8.04209	22.36626
20/06/23 16:00	9.83658	21.29323	7.61632	25.43427
20/06/23 17:00	9.5056	24.85046	6.81186	20.46059
20/06/23 18:00	9.75707	23.5255	6.00771	28.26488
20/06/23 19:00	8.95661	22.52002	6.52823	12.35861
20/06/23 20:00	9.57888	30.75663	7.19068	15.80532
20/06/23 21:00	15.71711	35.53971	8.46834	16.58305
20/06/23 22:00	17.98331	43.13413	9.74576	23.24201
20/06/23 23:00	11.61755	39.36187	13.90902	24.79266
21/06/23 00:00	9.40545	9.29381	14.14553	9.55612
21/06/23 01:00	7.49586	6.80024	8.07314	7.67171
21/06/23 02:00	6.24004	11.33652	7.06388	8.04128
21/06/23 03:00	5.62344	10.41595	6.14941	11.81319
21/06/23 04:00	9.69982	12.06355	6.43319	14.03806
21/06/23 05:00	15.83754	17.0051	11.82565	14.67936
21/06/23 06:00	14.57774	20.4016	17.6901	13.89159
21/06/23 07:00	11.20086	25.28307	13.85844	13.36787
21/06/23 08:00	9.87913	21.14072	9.27052	10.84613
21/06/23 09:00	7.41934	15.40696	5.86496	10.55977
21/06/23 10:00	6.5608	14.66384	5.06109	10.64817
21/06/23 11:00	6.08058	14.76945	4.20975	9.9119
21/06/23 12:00	6.57628	11.15647	6.57436	13.92296
21/06/23 13:00	5.02908	12.37866	3.97316	9.06577
21/06/23 14:00	8.76879	12.27274	4.58805	8.9533
21/06/23 15:00	6.13153	10.30717	4.44617	11.05285
21/06/23 16:00	6.07284	9.08548	6.38558	11.8501
21/06/23 17:00	8.65915	10.78649	13.14894	18.68852
21/06/23 18:00	7.9612	11.42432	7.70987	33.0398
21/06/23 19:00	10.04717	13.49728	7.09511	22.71666
21/06/23 20:00	11.67615	23.43498	8.60885	28.5797
21/06/23 21:00	15.55169	33.48006	13.33957	44.19097
21/06/23 22:00	27.63388	37.8394	34.62642	47.84025
21/06/23 23:00	20.9018	41.18777	19.53645	21.50976
22/06/23 00:00	28.73169	38.47635	30.69876	30.91296
22/06/23 01:00	31.74669	23.74514	20.745	26.98923
22/06/23 02:00	18.49018	23.81612	17.52938	23.34475
22/06/23 03:00	13.96957	43.21821	18.34954	21.76891
22/06/23 04:00	11.50011	48.88985	15.56008	18.1564
22/06/23 05:00	11.35626	34.48857	13.05097	15.45038
22/06/23 06:00	17.72327	34.30893	14.98934	15.8525
22/06/23 07:00	19.80944	38.09838	18.77467	15.51081
22/06/23 08:00	17.60388	32.99904	14.66026	21.9577
22/06/23 09:00	16.43095	21.15085	10.73541	19.38507
22/06/23 10:00	12.85914	15.73105	7.75639	16.97563
22/06/23 11:00	10.42826	14.82755	7.14111	16.76784
22/06/23 12:00	8.69801	19.50537	5.43879	14.32479
22/06/23 13:00	12.32348	15.89229	3.68881	17.77319
22/06/23 14:00	12.3835	11.95982	3.35785	22.74375
22/06/23 15:00	8.49262	16.21239	4.44559	33.05369
22/06/23 16:00	8.85544	28.22699	9.5064	29.2708
22/06/23 17:00	8.0547	12.49244	7.14161	22.75793
22/06/23 18:00	10.75368	54.11175	5.24973	20.49698
22/06/23 19:00	9.99637	17.91585	5.86476	19.77814
22/06/23 20:00	10.92738	12.59925	7.28378	15.93985
22/06/23 21:00	15.44347	40.34853	11.8718	19.93147
22/06/23 22:00	17.49311	34.18249	12.62858	20.22538
22/06/23 23:00	13.38779	24.45653	14.70959	15.50916
23/06/23 00:00	13.22734	16.53326	10.54729	25.88364
23/06/23 01:00	11.75632	No data	8.00793	29.08638
23/06/23 02:00	8.46703	9.36055	8.19701	19.63326
23/06/23 03:00	8.87851	6.59455	8.65414	15.25097
23/06/23 04:00	9.40749	11.06123	8.70128	14.45023
23/06/23 05:00	11.77542	7.49897	11.91554	20.77836
23/06/23 06:00	15.1243	15.52918	15.3673	31.94927
23/06/23 07:00	19.14379	31.31083	31.39799	27.7388
23/06/23 08:00	19.45896	36.08588	20.56995	32.56164
23/06/23 09:00	14.23905	23.97398	15.41478	24.11677

23/06/23 10:00	23.82367	21.15828	11.25423	20.89956
23/06/23 11:00	22.60895	22.75141	5.86337	13.53065
23/06/23 12:00	19.97055	22.11771	4.58641	10.7666
23/06/23 13:00	16.68189	14.03624	3.49896	9.4745
23/06/23 14:00	9.59907	13.50195	3.68816	9.36618
23/06/23 15:00	8.98532	14.94027	4.35015	8.07267
23/06/23 16:00	11.66652	12.76147	4.34988	7.9919
23/06/23 17:00	11.85872	13.39971	3.82962	9.44471
23/06/23 18:00	9.36972	15.58028	6.19429	7.78802
23/06/23 19:00	10.7846	18.50662	4.96502	10.79345
23/06/23 20:00	7.56267	13.18905	6.05311	14.67753
23/06/23 21:00	9.03588	17.39132	8.89055	15.5271
23/06/23 22:00	11.8627	15.1041	13.14719	17.67444
23/06/23 23:00	12.54612	13.50825	14.70761	18.22457
24/06/23 00:00	13.38396	12.01856	8.27604	15.4131
24/06/23 01:00	7.63231	9.43361	7.43986	17.1606
24/06/23 02:00	5.87868	10.56836	6.80931	18.71835
24/06/23 03:00	6.83113	8.45781	5.20154	15.13292
24/06/23 04:00	6.56608	10.9582	7.42403	13.15029
24/06/23 05:00	4.62448	9.6286	8.27516	8.80791
24/06/23 06:00	13.38479	9.09613	7.89666	13.08663
24/06/23 07:00	6.35106	7.02097	6.43043	10.92208
24/06/23 08:00	10.61849	8.7762	4.39716	10.32812
24/06/23 09:00	5.67367	9.89301	4.44437	9.59004
24/06/23 10:00	3.97567	9.04052	3.07288	6.62236
24/06/23 11:00	4.34845	10.10263	5.67375	7.3968
24/06/23 12:00	4.99342	9.57272	3.35685	7.31147
24/06/23 13:00	5.45535	10.15794	3.97136	6.3943
24/06/23 14:00	5.8677	9.62609	2.60043	6.98196
24/06/23 15:00	6.50123	10.63709	2.69496	7.14147
24/06/23 16:00	5.55736	10.85136	3.8772	9.08354
24/06/23 17:00	4.32701	13.93788	4.06631	8.65049
24/06/23 18:00	3.73733	12.34182	6.05202	11.30266
24/06/23 19:00	3.42128	10.85198	4.49198	12.82078
24/06/23 20:00	5.3586	9.41581	5.9579	13.33779
24/06/23 21:00	8.45096	14.15165	9.26825	28.717
24/06/23 22:00	10.23526	10.64001	13.666	25.89344
24/06/23 23:00	11.284	10.42681	13.24041	25.57932
25/06/23 00:00	5.66893	13.51245	8.9845	34.83144
25/06/23 01:00	6.36735	10.92691	8.19539	44.91223
25/06/23 02:00	5.66845	10.57185	7.69107	25.58971
25/06/23 03:00	7.13428	9.25832	9.31438	25.97698
25/06/23 04:00	8.76615	8.8329	10.02352	21.20664
25/06/23 05:00	6.83784	7.50215	12.00908	11.95166
25/06/23 06:00	5.97038	7.3957	11.39373	10.01086
25/06/23 07:00	5.07512	7.02327	6.52391	9.26687
25/06/23 08:00	3.8598	6.06636	5.62572	11.31552
25/06/23 09:00	4.21838	5.96004	5.10592	14.62112
25/06/23 10:00	5.2143	5.95986	5.81526	12.22407
25/06/23 11:00	5.20596	6.43869	5.95714	14.36594
25/06/23 12:00	5.09835	7.02431	5.15353	12.60227
25/06/23 13:00	7.09576	7.92917	4.34973	11.3045
25/06/23 14:00	6.78264	7.45015	3.30947	10.55499
25/06/23 15:00	7.15373	8.08872	3.64047	9.62163
25/06/23 16:00	6.20606	7.13053	3.40413	8.3771
25/06/23 17:00	5.41702	8.51456	2.64761	11.35567
25/06/23 18:00	3.05825	8.67406	2.78939	8.70137
25/06/23 19:00	3.26375	10.27067	2.41099	8.05283
25/06/23 20:00	3.68309	10.2165	1.79634	6.5421
25/06/23 21:00	3.52445	12.6117	1.9855	3.89125
25/06/23 22:00	3.72717	9.68439	1.74908	5.23812
25/06/23 23:00	2.88989	8.83328	1.08716	5.40405
26/06/23 00:00	2.26505	8.94068	1.22905	4.05579
26/06/23 01:00	2.17114	4.96889	0.56705	3.60849
26/06/23 02:00	3.64005	11.92672	1.76457	4.6847
26/06/23 03:00	2.88858	10.64901	1.70164	6.33466
26/06/23 04:00	3.36285	16.4523	1.93804	7.18834
26/06/23 05:00	6.77405	20.3914	3.30878	10.6533
26/06/23 06:00	7.68505	26.08583	5.10463	11.80682
26/06/23 07:00	8.31137	16.5461	5.62473	11.689
26/06/23 08:00	7.00955	17.93346	5.81307	13.36477
26/06/23 09:00	7.08734	18.04233	3.68592	8.95886
26/06/23 10:00	4.92286	15.11539	3.30815	6.90175
26/06/23 11:00	5.45628	15.64664	3.35544	7.05693
26/06/23 12:00	3.91787	14.10431	3.63904	7.66782
26/06/23 13:00	4.71328	12.08187	2.64645	5.32377
26/06/23 14:00	5.49923	15.91288	2.93007	10.19251
26/06/23 15:00	5.50193	13.51702	3.35548	10.69134
26/06/23 16:00	6.50557	18.36019	3.21373	9.70172
26/06/23 17:00	7.12758	16.49785	3.73365	11.78068
26/06/23 18:00	6.16554	15.96678	3.30803	12.84625
26/06/23 19:00	5.94515	15.00885	4.34827	11.69612
26/06/23 20:00	7.35582	17.99003	7.4683	15.25277
26/06/23 21:00	9.54973	14.90446	5.19928	11.83704
26/06/23 22:00	8.02617	21.61183	8.32012	8.44237
26/06/23 23:00	9.2837	14.47993	8.79289	7.78496
27/06/23 00:00	6.56041	11.2852	4.5855	7.08307
27/06/23 01:00	6.08269	13.70452	5.54607	7.7952
27/06/23 02:00	6.16476	12.00108	5.7981	9.37807

27/06/23 03:00	4.19931	17.41703	9.02832	8.85276
27/06/23 04:00	7.73345	12.14443	7.84649	11.7189
27/06/23 05:00	8.92239	16.29909	9.64267	15.70207
27/06/23 06:00	13.39669	21.30511	21.03344	16.88722
27/06/23 07:00	14.05929	28.49195	12.00501	22.33064
27/06/23 08:00	13.89822	29.44774	8.36492	22.93727
27/06/23 09:00	11.74947	25.88133	6.002	26.92676
27/06/23 10:00	10.20957	19.59678	4.20633	25.91181
27/06/23 11:00	8.64744	14.21936	5.67123	18.01445
27/06/23 12:00	8.33188	12.46244	6.56955	11.66083
27/06/23 13:00	9.27596	12.03695	4.96262	13.01014
27/06/23 14:00	7.73869	12.62232	5.57719	16.69443
27/06/23 15:00	8.47328	17.89449	5.52983	16.52692
27/06/23 16:00	9.37417	14.27333	6.42804	17.13756
27/06/23 17:00	10.03672	16.35096	9.21614	20.73835
27/06/23 18:00	9.93065	15.33874	13.56486	19.11208
27/06/23 19:00	7.39691	17.57617	6.85346	16.95131
27/06/23 20:00	6.44758	13.58174	6.80666	16.67168
27/06/23 21:00	7.34847	13.58178	6.94845	16.66365
27/06/23 22:00	7.07872	10.27917	4.11233	13.48926
27/06/23 23:00	5.03472	7.88229	4.39598	12.92932
28/06/23 00:00	3.83137	6.81676	3.82879	8.88406
28/06/23 01:00	3.21798	5.89555	2.45758	7.59618
28/06/23 02:00	3.14309	5.68235	2.58359	4.26664
28/06/23 03:00	2.99831	5.54015	2.31581	7.04735
28/06/23 04:00	3.04431	8.84367	4.77344	10.15031
28/06/23 05:00	6.60837	10.86808	5.48219	12.74317
28/06/23 06:00	7.72056	12.67941	5.34026	13.67563
28/06/23 07:00	10.26164	16.14162	5.8126	10.65777
28/06/23 08:00	12.38259	20.13669	8.41075	12.07264
28/06/23 09:00	12.81288	18.591	7.98583	14.61132
28/06/23 10:00	12.08243	14.0627	5.33947	13.6815
28/06/23 11:00	10.20649	15.81732	4.25257	13.2004
28/06/23 12:00	6.98986	13.52943	4.91375	9.50153
28/06/23 13:00	8.3308	12.09126	4.91438	10.20633
28/06/23 14:00	7.9732	15.82252	4.58366	10.632
28/06/23 15:00	6.86482	17.84703	5.19767	9.35112
28/06/23 16:00	10.4454	13.85097	6.14237	12.97808
28/06/23 17:00	13.25994	15.44961	7.65384	12.32542
28/06/23 18:00	9.27068	16.03626	9.49785	11.8463
28/06/23 19:00	9.56702	16.14294	8.93121	11.85092
28/06/23 20:00	8.18415	19.44462	8.03247	16.88352
28/06/23 21:00	7.55206	14.70323	6.85256	17.25573
28/06/23 22:00	7.91855	17.52783	5.71863	15.93788
28/06/23 23:00	7.76148	18.38064	4.34787	13.12658
29/06/23 00:00	5.92646	12.41381	5.67134	9.81442
29/06/23 01:00	6.70563	10.73097	5.60785	8.9717
29/06/23 02:00	9.56833	15.20892	4.34732	8.90293
29/06/23 03:00	8.72725	9.16758	4.48922	8.08901
29/06/23 04:00	5.76686	12.6326	4.30013	9.50405
29/06/23 05:00	6.02485	13.96398	5.0087	10.58951
29/06/23 06:00	9.70933	28.61846	5.90589	17.88535
29/06/23 07:00	10.02272	32.44803	7.93765	22.06305
29/06/23 08:00	8.92489	28.82444	7.88865	26.22615
29/06/23 09:00	7.39482	21.95332	5.90494	23.3263
29/06/23 10:00	8.5573	17.15636	4.81879	15.06274
29/06/23 11:00	7.63926	18.75644	5.33857	16.10441
29/06/23 12:00	7.63188	22.43351	5.14856	19.64013
29/06/23 13:00	8.53144	20.94092	3.21221	15.16265
29/06/23 14:00	7.26306	16.94505	4.44084	12.9885
29/06/23 15:00	6.31608	21.42031	5.48025	12.43571
29/06/23 16:00	8.73094	18.75668	4.58251	13.07478
29/06/23 17:00	10.3583	18.43681	4.81869	12.90641
29/06/23 18:00	11.93701	17.7465	5.71595	10.76242
29/06/23 19:00	9.18966	18.17302	5.33837	10.80686
29/06/23 20:00	10.32259	18.49274	5.7169	11.34731
29/06/23 21:00	10.47098	25.95732	5.76476	17.68259
29/06/23 22:00	11.46414	26.8115	10.77425	26.25657
29/06/23 23:00	26.81841	34.64825	10.15906	23.21756
30/06/23 00:00	21.52012	37.15374	14.83854	27.99213
30/06/23 01:00	12.14055	28.57989	12.85179	22.42889
30/06/23 02:00	8.51965	17.27709	15.75029	19.93108
30/06/23 03:00	6.39093	17.22377	14.17544	21.13584
30/06/23 04:00	13.46077	18.18353	11.38721	18.74679
30/06/23 05:00	12.52504	15.94356	13.98496	18.62681
30/06/23 06:00	21.95281	18.39569	23.90623	25.83653
30/06/23 07:00	18.81741	24.2062	20.40903	21.70305
30/06/23 08:00	15.36334	20.47419	11.90498	20.53301
30/06/23 09:00	11.33976	14.07564	9.92074	27.59208
30/06/23 10:00	10.56574	8.53018	5.43254	15.71601
30/06/23 11:00	8.73813	6.61113	3.07021	8.3927
30/06/23 12:00	8.20543	6.98449	3.49539	11.95259
30/06/23 13:00	8.68343	8.95741	4.39327	11.60544
30/06/23 14:00	10.10669	9.65028	4.53524	11.13457
30/06/23 15:00	12.51801	11.0902	5.76363	10.84741
30/06/23 16:00	12.58343	11.83684	5.85817	14.71994
30/06/23 17:00	10.50735	11.51665	6.51954	16.45168
30/06/23 18:00	10.29093	15.03637	5.71595	15.39882
30/06/23 19:00	8.65721	20.47467	6.04663	13.70789

30/06/23 20:00	8.13047	13.01016	4.81909	13.88994
30/06/23 21:00	7.75115	9.54469	4.44116	12.62316
30/06/23 22:00	8.75708	10.8775	4.7721	13.53496
30/06/23 23:00	7.60374	9.97069	4.25228	13.00985
01/07/23 00:00	6.44324	8.26465	2.8822	8.86997
01/07/23 01:00	3.48795	7.68114	2.56767	6.90457
01/07/23 02:00	2.88666	4.97844	2.1293	6.42295
01/07/23 03:00	2.95162	4.16028	1.69094	6.46251
01/07/23 04:00	2.20105	4.31973	1.50305	7.58578
01/07/23 05:00	2.35793	6.82688	2.63028	6.20946
01/07/23 06:00	3.46652	9.2259	2.6302	7.2732
01/07/23 07:00	5.00269	10.50524	3.0058	6.55601
01/07/23 08:00	4.64353	7.67847	3.52231	7.16524
01/07/23 09:00	4.17632	12.42433	2.30126	9.63506
01/07/23 10:00	6.74805	11.51942	2.62991	10.99188
01/07/23 11:00	7.0745	16.74501	2.95879	11.15603
01/07/23 12:00	10.55324	13.33218	3.14666	12.11641
01/07/23 13:00	8.23653	9.6525	3.05266	10.66986
01/07/23 14:00	5.75673	11.19941	3.19373	9.35476
01/07/23 15:00	5.52565	11.67941	2.67705	10.59355
01/07/23 16:00	8.04278	13.28021	3.00583	9.94386
01/07/23 17:00	5.9871	12.64036	3.7573	10.85183
01/07/23 18:00	4.56589	12.47996	4.3209	12.47826
01/07/23 19:00	6.81462	14.13399	4.13305	13.16966
01/07/23 20:00	6.55199	14.02805	4.97852	15.9659
01/07/23 21:00	9.1122	14.72152	3.00594	14.73864
01/07/23 22:00	9.52365	20.37602	3.66348	12.07993
01/07/23 23:00	11.87467	33.49916	3.8514	11.86525
02/07/23 00:00	9.10413	21.12426	3.14689	10.45728
02/07/23 01:00	9.00037	14.58595	3.06723	9.69087
02/07/23 02:00	7.11843	15.43984	2.87941	15.35495
02/07/23 03:00	6.74805	10.2456	2.86377	12.23712
02/07/23 04:00	5.65359	15.74227	2.44126	16.0368
02/07/23 05:00	4.87501	11.36592	2.48818	5.61324
02/07/23 06:00	4.98958	8.75103	2.58207	5.18269
02/07/23 07:00	2.99197	6.66965	2.15948	4.14863
02/07/23 08:00	2.6772	5.0154	2.30032	3.49632
02/07/23 09:00	3.57479	6.72293	2.25329	3.76688
02/07/23 10:00	5.03963	7.04297	2.53495	3.16955
02/07/23 11:00	4.7827	6.7762	2.72271	4.14987
02/07/23 12:00	4.52466	7.95	3.3329	4.20547
02/07/23 13:00	4.10311	7.09652	2.58195	5.40818
02/07/23 14:00	3.89512	11.52464	1.87772	4.20485
02/07/23 15:00	4.83942	7.36293	2.30023	4.64158
02/07/23 16:00	4.62698	7.52279	2.91053	4.26416
02/07/23 17:00	3.88733	6.56266	2.48804	3.9837
02/07/23 18:00	4.30109	6.98964	2.48801	4.41486
02/07/23 19:00	5.76371	7.14957	2.62889	4.79352
02/07/23 20:00	6.02509	7.25678	3.1923	5.55455
02/07/23 21:00	6.9071	10.61877	4.45994	7.56522
02/07/23 22:00	6.11963	10.19226	4.50691	7.79503
02/07/23 23:00	6.90377	9.97885	4.60084	7.41018
03/07/23 00:00	5.38999	5.33614	7.79323	5.49833
03/07/23 01:00	3.76671	10.53405	3.9418	8.72271
03/07/23 02:00	4.546	7.61584	2.75297	8.57434
03/07/23 03:00	2.82718	7.95401	2.06474	6.82509
03/07/23 04:00	3.51187	9.02169	2.67478	6.54545
03/07/23 05:00	5.50295	8.11409	4.08252	9.71364
03/07/23 06:00	6.04053	12.97114	4.55157	13.12485
03/07/23 07:00	8.47434	14.30449	3.56611	10.18006
03/07/23 08:00	7.74383	15.05172	3.42522	8.21483
03/07/23 09:00	6.00866	10.94147	3.19058	6.61959
03/07/23 10:00	5.20658	11.1558	2.43987	6.51623
03/07/23 11:00	5.73987	8.22025	3.61304	6.8783
03/07/23 12:00	7.154	7.63299	4.50465	7.16136
03/07/23 13:00	6.42456	6.56531	4.64541	7.76181
03/07/23 14:00	3.84579	8.53987	3.56617	12.85823
03/07/23 15:00	4.53477	13.39632	4.03539	10.63795
03/07/23 16:00	5.06162	17.34567	3.47224	11.2776
03/07/23 17:00	7.10925	12.75597	3.28448	9.56865
03/07/23 18:00	6.1547	14.6786	3.37837	11.31376
03/07/23 19:00	5.24597	8.59362	3.14387	9.4385
03/07/23 20:00	4.40129	15.8537	3.28465	5.45119
03/07/23 21:00	6.59496	19.37786	3.89478	8.55255
03/07/23 22:00	10.14085	12.70506	7.41427	10.02129
03/07/23 23:00	11.20313	10.3563	7.83667	11.55298
04/07/23 00:00	6.44463	6.67284	4.73951	10.68286
04/07/23 01:00	3.62581	6.26586	4.37782	11.00414
04/07/23 02:00	3.88094	8.11709	3.68985	8.29161
04/07/23 03:00	2.40697	8.54432	4.03386	11.86866
04/07/23 04:00	4.24762	7.74331	3.75242	13.36662
04/07/23 05:00	5.07513	9.07827	6.42591	14.73823
04/07/23 06:00	8.86605	9.98586	8.39572	13.12174
04/07/23 07:00	8.3406	13.99026	7.73885	10.03245
04/07/23 08:00	14.58764	18.52885	10.41226	8.32615
04/07/23 09:00	17.36543	13.88347	8.67699	15.53752
04/07/23 10:00	15.01276	11.80121	6.37872	8.01303
04/07/23 11:00	11.90916	10.09241	5.15926	8.38542
04/07/23 12:00	11.07649	12.12169	7.7387	8.33333

04/07/23 13:00	9.0874	8.81089	5.67523	8.7171
04/07/23 14:00	8.08252	8.8644	5.95677	7.66757
04/07/23 15:00	8.81589	9.87851	8.25508	9.11225
04/07/23 16:00	10.28572	9.98586	13.46138	11.4837
04/07/23 17:00	9.04963	14.95215	15.90037	16.93307
04/07/23 18:00	11.00978	12.33578	24.06151	15.99191
04/07/23 19:00	10.26299	13.08355	23.59232	12.06264
04/07/23 20:00	14.76559	16.28775	17.58912	12.87627
04/07/23 21:00	12.91874	15.37993	11.53864	15.48361
04/07/23 22:00	13.81605	19.22473	13.69553	24.59106
04/07/23 23:00	13.4892	23.01627	11.02258	19.09618
05/07/23 00:00	8.67525	18.79741	7.17645	11.99977
05/07/23 01:00	6.8268	18.16351	5.56358	8.15531
05/07/23 02:00	6.42847	No data	6.68876	9.02564
05/07/23 03:00	6.18031	9.24201	5.57914	12.59555
05/07/23 04:00	4.23641	14.26356	3.56312	8.07024
05/07/23 05:00	11.16761	22.16979	4.50043	11.3638
05/07/23 06:00	8.81891	25.16099	4.96918	15.142
05/07/23 07:00	10.03178	29.70107	6.37544	15.88992
05/07/23 08:00	12.11688	31.14195	7.35975	26.8686
05/07/23 09:00	12.74545	18.16204	6.28163	22.59561
05/07/23 10:00	26.51098	12.9807	7.31301	No data
05/07/23 11:00	6.16287	11.32485	7.032	9.70712
05/07/23 12:00	5.30755	13.83559	4.54731	12.51295
05/07/23 13:00	5.56763	18.75005	4.12528	12.51354
05/07/23 14:00	5.20014	15.97231	3.23455	13.05309
05/07/23 15:00	6.71638	14.04948	3.75018	12.49588
05/07/23 16:00	7.50756	14.47681	5.71925	19.22764
05/07/23 17:00	10.13224	11.9658	5.15635	18.07341
05/07/23 18:00	9.01187	12.5002	6.23465	10.09598
05/07/23 19:00	6.70346	13.35499	6.42245	19.30435
05/07/23 20:00	7.3763	22.597	6.09449	16.17184
05/07/23 21:00	11.38795	22.22331	7.07925	14.25989
05/07/23 22:00	11.13085	15.33211	11.86155	7.70353
05/07/23 23:00	13.06381	13.88978	6.23555	7.15928
06/07/23 00:00	5.64623	16.66775	7.12637	7.97448
06/07/23 01:00	5.63964	18.24152	6.37333	7.14766
06/07/23 02:00	8.0543	8.62196	9.37253	10.52227
06/07/23 03:00	8.18827	8.60413	9.46625	14.58366
06/07/23 04:00	20.08213	8.06973	8.76331	16.13684
06/07/23 05:00	11.34643	11.22277	9.09121	17.33838
06/07/23 06:00	17.8902	15.17737	9.55944	18.2897
06/07/23 07:00	11.93802	14.4825	8.10657	15.95627
06/07/23 08:00	7.94446	16.13913	8.10654	11.95129
06/07/23 09:00	7.3143	11.0088	7.12257	15.86268
06/07/23 10:00	6.76564	9.13842	4.6391	10.85609
06/07/23 11:00	6.51038	9.13848	5.62311	10.15018
06/07/23 12:00	6.77136	11.86398	5.0139	10.75456
06/07/23 13:00	6.60524	8.87127	2.90483	11.12725
06/07/23 14:00	6.19244	10.10042	5.06072	11.4796
06/07/23 15:00	7.0769	8.60407	4.21734	10.13454
06/07/23 16:00	6.55018	7.74901	5.24835	9.47615
06/07/23 17:00	7.49256	8.28344	4.54535	12.27297
06/07/23 18:00	7.22776	7.16116	4.26424	10.87101
06/07/23 19:00	6.43816	7.42838	5.24836	7.50278
06/07/23 20:00	6.48558	8.39035	8.34149	6.72914
06/07/23 21:00	7.83407	10.31427	8.66956	7.71101
06/07/23 22:00	7.93942	9.99363	8.90391	8.41921
06/07/23 23:00	6.52824	7.74908	8.2478	9.02359
07/07/23 00:00	4.90923	8.87137	7.12311	7.93789
07/07/23 01:00	3.97019	5.6313	4.74657	10.88432
07/07/23 02:00	3.28795	4.84719	6.43287	10.09533
07/07/23 03:00	4.38363	4.86501	7.91622	9.44072
07/07/23 04:00	6.26285	6.36193	8.61884	8.6757
07/07/23 05:00	7.36036	9.51618	12.45977	11.60735
07/07/23 06:00	7.74479	11.38737	14.61405	9.91633
07/07/23 07:00	10.3755	12.08242	15.87838	11.85006
07/07/23 08:00	6.55665	10.37166	10.91346	19.18988
07/07/23 09:00	6.71409	7.91242	7.40045	10.32064
07/07/23 10:00	6.39921	6.6293	4.54339	11.5932
07/07/23 11:00	5.76579	5.82736	5.57391	13.9208
07/07/23 12:00	4.71406	4.38389	6.1828	18.37202
07/07/23 13:00	4.55662	6.36198	5.76137	18.69339
07/07/23 14:00	5.29073	6.6293	5.48036	18.34377
07/07/23 15:00	5.39142	6.52237	7.35391	28.38974
07/07/23 16:00	4.13373	7.00353	6.65138	27.37339
07/07/23 17:00	4.0779	6.73621	7.82239	24.98496
07/07/23 18:00	4.65091	7.80542	8.89973	20.93624
07/07/23 19:00	5.58915	6.04118	8.57194	24.98007
07/07/23 20:00	8.77184	7.64502	10.35197	20.57802
07/07/23 21:00	13.62047	8.60733	8.61886	16.74618
07/07/23 22:00	9.81443	6.95002	7.96295	17.56957
07/07/23 23:00	9.54898	7.05696	9.74285	18.44273
08/07/23 00:00	8.19242	7.0035	13.77127	14.28276
08/07/23 01:00	6.81493	6.70311	10.6124	15.48979
08/07/23 02:00	6.39769	7.63013	8.73984	14.98287
08/07/23 03:00	6.4681	8.07581	7.86585	14.80097
08/07/23 04:00	7.40777	10.37548	10.30055	12.60679
08/07/23 05:00	9.8069	10.74987	13.81205	14.63355

08/07/23 06:00	13.36394	12.30087	15.02918	17.16005
08/07/23 07:00	14.21592	12.62189	14.70116	23.7689
08/07/23 08:00	9.51584	14.86813	14.04579	20.86849
08/07/23 09:00	8.78304	13.47759	14.56091	30.82336
08/07/23 10:00	8.62745	11.65918	13.67141	29.43071
08/07/23 11:00	9.61315	21.44665	8.94241	25.69447
08/07/23 12:00	6.68197	14.01245	6.88233	21.13852
08/07/23 13:00	7.21489	7.05972	8.98935	17.48337
08/07/23 14:00	10.0808	6.79233	9.08292	29.37555
08/07/23 15:00	5.95442	15.5634	8.28704	20.71298
08/07/23 16:00	4.02906	8.98516	7.44414	21.9825
08/07/23 17:00	5.01738	7.48765	6.88242	19.85186
08/07/23 18:00	5.52931	6.36445	8.47434	18.13235
08/07/23 19:00	15.86563	10.48247	11.37729	23.97854
08/07/23 20:00	16.79688	12.88907	13.53113	19.7388
08/07/23 21:00	8.29878	11.12431	5.52475	15.80358
08/07/23 22:00	13.11629	9.62684	4.30742	14.59509
08/07/23 23:00	9.02458	10.91041	7.35078	24.20385
09/07/23 00:00	7.09309	10.58955	4.63521	29.21964
09/07/23 01:00	5.97591	6.63457	5.05429	22.25562
09/07/23 02:00	5.35697	6.84849	4.55506	20.69324
09/07/23 03:00	5.10922	5.7784	7.67507	14.97096
09/07/23 04:00	6.4664	6.68785	5.56905	14.7721
09/07/23 05:00	6.1048	8.07892	5.52219	9.08194
09/07/23 06:00	7.57209	9.3096	9.26604	9.0813
09/07/23 07:00	7.31475	10.00519	10.24853	9.35355
09/07/23 08:00	6.74211	8.07907	11.37162	8.47367
09/07/23 09:00	9.26462	10.11203	12.86899	9.0188
09/07/23 10:00	7.29937	11.23597	12.91542	10.09899
09/07/23 11:00	3.67366	7.27667	9.78032	8.82761
09/07/23 12:00	4.24882	4.54796	4.21153	9.22679
09/07/23 13:00	4.18833	4.86902	3.41606	6.28355
09/07/23 14:00	9.68254	4.548	2.90129	7.12587
09/07/23 15:00	12.81648	7.0626	3.13529	7.99872
09/07/23 16:00	4.97286	6.04607	6.87875	8.25753
09/07/23 17:00	7.58712	4.49443	3.9778	8.70067
09/07/23 18:00	9.03688	11.82442	3.463	10.05038
09/07/23 19:00	7.83193	14.44568	2.29296	17.09328
09/07/23 20:00	12.57537	18.83256	3.97775	26.25483
09/07/23 21:00	16.06423	14.33839	4.39904	19.27956
09/07/23 22:00	16.06256	14.71287	9.87464	21.47223
09/07/23 23:00	12.04901	11.3423	13.24421	14.5633
10/07/23 00:00	7.87655	9.73727	9.21941	11.53982
10/07/23 01:00	8.15324	9.9906	3.99167	15.41867
10/07/23 02:00	5.79031	8.99165	2.7442	14.09747
10/07/23 03:00	5.68449	7.92116	3.22763	17.49181
10/07/23 04:00	4.90197	9.4197	4.11641	19.72389
10/07/23 05:00	7.62307	13.11282	5.23901	21.80833
10/07/23 06:00	9.2617	17.07422	10.0567	18.79419
10/07/23 07:00	9.49641	17.07501	7.67093	20.87667
10/07/23 08:00	9.33927	11.56158	6.78224	12.91304
10/07/23 09:00	6.65199	7.81478	5.23864	14.24838
10/07/23 10:00	7.6903	8.02875	4.95815	9.15209
10/07/23 11:00	5.70835	7.17237	4.25647	9.99002
10/07/23 12:00	5.18005	6.42304	4.35002	8.38277
10/07/23 13:00	5.3348	7.38636	3.22747	15.59806
10/07/23 14:00	6.37789	6.69061	2.94679	15.6197
10/07/23 15:00	5.54087	8.40327	3.41456	9.92076
10/07/23 16:00	7.47946	7.54689	4.39683	10.38349
10/07/23 17:00	5.54167	7.22579	4.86473	6.55329
10/07/23 18:00	6.26968	7.49332	4.77112	6.55459
10/07/23 19:00	6.26491	7.92143	4.77118	7.09973
10/07/23 20:00	6.31623	11.2396	4.25671	7.47754
10/07/23 21:00	6.58794	9.95508	3.83579	9.35019
10/07/23 22:00	6.21041	7.70725	5.42624	9.89663
10/07/23 23:00	5.32048	8.93807	3.83579	6.59645
11/07/23 00:00	3.86047	4.17472	5.3327	6.21472
11/07/23 01:00	3.61592	2.4273	3.49119	8.82568
11/07/23 02:00	1.7385	3.78367	3.55352	8.66754
11/07/23 03:00	1.35446	3.58733	3.31974	11.13074
11/07/23 04:00	1.61493	4.55111	2.89891	5.79326
11/07/23 05:00	2.81916	4.17625	2.33771	5.78395
11/07/23 06:00	4.59415	8.67393	3.92732	7.04977
11/07/23 07:00	6.94899	13.33249	4.76879	9.4271
11/07/23 08:00	9.93048	15.95666	8.1348	9.48541
11/07/23 09:00	7.01847	13.76131	6.45157	8.39317
11/07/23 10:00	6.64247	9.74547	4.30119	6.40467
11/07/23 11:00	7.64436	10.709	4.06743	9.04824
11/07/23 12:00	7.95164	9.63845	4.34787	11.65879
11/07/23 13:00	7.54018	11.0302	4.0675	13.44667
11/07/23 14:00	6.95202	14.29684	4.76888	11.10702
11/07/23 15:00	6.9158	9.74551	4.0207	9.13381
11/07/23 16:00	6.12001	15.63627	6.03099	11.0434
11/07/23 17:00	6.48694	15.26072	6.07774	9.51865
11/07/23 18:00	7.79233	21.04313	6.54536	9.55036
11/07/23 19:00	9.76739	17.34831	6.63832	11.86141
11/07/23 20:00	7.51145	16.06329	5.51703	14.05254
11/07/23 21:00	8.0792	24.68286	7.20047	14.26247
11/07/23 22:00	9.74925	27.30613	12.15652	12.27397

11/07/23 23:00	9.12109	29.55552	7.48096	14.0869
12/07/23 00:00	8.33967	24.95065	6.73279	16.67417
12/07/23 01:00	3.95858	18.13915	2.61708	15.59785
12/07/23 02:00	3.12635	14.42577	5.8574	13.54717
12/07/23 03:00	4.33503	7.92707	4.20604	12.92033
12/07/23 04:00	4.7416	6.85595	8.31864	16.81652
12/07/23 05:00	7.20053	8.51641	8.87946	25.00188
12/07/23 06:00	7.15777	11.67779	7.85089	20.24657
12/07/23 07:00	7.75922	14.03628	7.89721	10.18613
12/07/23 08:00	7.75922	14.94732	4.99966	8.64676
12/07/23 09:00	5.58606	12.91081	2.80343	9.28687
12/07/23 10:00	5.02273	9.48198	3.13073	7.5859
12/07/23 11:00	5.23604	10.12468	3.03731	9.14763
12/07/23 12:00	5.02273	9.16026	3.97189	9.46438
12/07/23 13:00	5.64905	No data	3.17754	14.49968
12/07/23 14:00	6.37809	19.44499	4.54845	9.92037
12/07/23 15:00	8.67436	21.1054	No data	8.41978
12/07/23 16:00	10.34645	16.28513	5.65438	8.85747
12/07/23 17:00	9.45547	14.2496	10.00002	11.17974
12/07/23 18:00	10.49337	15.48157	8.92557	9.72404
12/07/23 19:00	9.12727	14.19542	6.72897	12.36576
12/07/23 20:00	13.96729	16.71204	6.82268	17.31688
12/07/23 21:00	15.89332	32.67369	4.15927	20.6314
12/07/23 22:00	8.75273	28.49446	5.42118	20.67493
12/07/23 23:00	10.00108	21.9064	4.25284	14.82268
13/07/23 00:00	10.68162	15.53232	4.95385	11.24037
13/07/23 01:00	9.31153	13.28273	3.24042	11.99007
13/07/23 02:00	4.58824	9.99784	5.85778	11.57302
13/07/23 03:00	5.27881	11.3011	5.28161	25.85598
13/07/23 04:00	6.88236	12.47938	7.85217	19.63267
13/07/23 05:00	24.78599	9.42655	10.60993	21.39382
13/07/23 06:00	11.11468	16.497	8.9734	17.70546
13/07/23 07:00	10.87865	23.7823	7.19654	16.8373
13/07/23 08:00	7.47665	23.51502	9.6714	14.24931
13/07/23 09:00	7.06078	19.17649	4.43857	11.60274
13/07/23 10:00	5.96293	16.8191	5.51392	13.3708
13/07/23 11:00	9.50969	15.15867	4.20531	12.87539
13/07/23 12:00	5.90011	19.44332	4.81311	14.13354
13/07/23 13:00	12.63556	17.9967	4.01871	9.20417
13/07/23 14:00	10.131	10.44463	12.19564	9.87462
13/07/23 15:00	6.89883	10.92669	9.67088	10.54161
13/07/23 16:00	7.98451	18.47872	7.94441	9.39912
13/07/23 17:00	12.01282	25.17342	6.16829	15.59147
13/07/23 18:00	9.66233	17.88932	10.97966	11.9954
13/07/23 19:00	13.82253	18.58556	7.99016	9.11039
13/07/23 20:00	17.98415	20.51362	5.18699	8.17262
13/07/23 21:00	26.52	16.33629	7.19806	9.16206
13/07/23 22:00	18.54551	26.83397	8.32007	11.69769
13/07/23 23:00	16.67085	29.08266	8.08638	20.71026
14/07/23 00:00	13.2846	25.33343	15.19181	20.36572
14/07/23 01:00	13.19591	13.85377	13.33962	27.39117
14/07/23 02:00	4.72138	13.28249	10.34756	19.68452
14/07/23 03:00	3.54175	10.28322	10.56543	16.57919
14/07/23 04:00	5.20812	9.8012	11.59409	30.85531
14/07/23 05:00	15.07445	9.15852	15.14668	22.87914
14/07/23 06:00	8.86619	7.92671	11.77858	20.93466
14/07/23 07:00	8.9732	12.10444	12.52461	26.77828
14/07/23 08:00	10.49265	14.88945	19.11492	25.68457
14/07/23 09:00	12.11768	8.24818	15.74765	30.89187
14/07/23 10:00	11.02127	7.49833	13.13185	22.94417
14/07/23 11:00	6.62987	7.98032	14.53457	23.02749
14/07/23 12:00	7.15061	9.96198	11.91736	22.22593
14/07/23 13:00	8.0373	11.94362	12.43214	23.33933
14/07/23 14:00	8.08436	10.3904	11.77873	18.81159
14/07/23 15:00	8.86547	8.89075	13.88229	17.24926
14/07/23 16:00	6.8396	8.14093	14.63115	17.53438
14/07/23 17:00	7.82256	9.26563	15.14496	19.6251
14/07/23 18:00	8.39251	10.28323	14.72497	26.40844
14/07/23 19:00	7.66419	11.14015	12.15428	20.35564
14/07/23 20:00	6.93802	9.85477	8.4146	18.87206
14/07/23 21:00	5.06263	8.08737	5.88978	18.81406
14/07/23 22:00	6.51784	6.74839	4.628	13.29176
14/07/23 23:00	7.29752	6.74838	3.36503	13.91156
15/07/23 00:00	8.13142	4.49893	4.06684	14.03039
15/07/23 01:00	2.43394	4.14177	3.55294	13.21125
15/07/23 02:00	1.87753	6.78395	2.80409	17.14352
15/07/23 03:00	1.46094	3.749	2.0564	20.2315
15/07/23 04:00	1.66852	3.05275	2.19628	16.30497
15/07/23 05:00	1.20128	2.99918	2.94489	11.19978
15/07/23 06:00	3.34348	3.69541	3.22475	12.8124
15/07/23 07:00	4.60184	4.60586	3.17724	10.63264
15/07/23 08:00	4.76737	4.55226	3.08296	6.51065
15/07/23 09:00	4.72317	6.42669	3.73548	4.79522
15/07/23 10:00	5.13905	5.62329	3.36282	5.12539
15/07/23 11:00	4.91715	5.35557	2.47476	4.95314
15/07/23 12:00	5.5007	6.10543	3.92276	5.94939
15/07/23 13:00	3.71802	5.83758	2.8014	6.90826
15/07/23 14:00	5.60414	4.60583	2.7542	6.00394
15/07/23 15:00	4.55764	4.55226	2.33404	4.45073

15/07/23 16:00	4.97925	4.28449	2.38133	4.06171
15/07/23 17:00	5.0791	4.49872	2.05364	3.61528
15/07/23 18:00	5.2831	4.71296	2.19299	4.49454
15/07/23 19:00	6.11629	4.82012	2.28801	5.82382
15/07/23 20:00	5.99997	4.01677	2.14654	5.21516
15/07/23 21:00	3.9655	4.07034	2.89621	5.27258
15/07/23 22:00	2.92259	4.17747	2.42842	4.38186
15/07/23 23:00	2.50958	4.44524	1.35425	5.54176
16/07/23 00:00	2.35049	3.21344	1.21373	5.01127
16/07/23 01:00	1.52942	2.85632	1.05792	4.60971
16/07/23 02:00	2.302	2.85632	1.30722	2.92137
16/07/23 03:00	1.04291	2.67779	1.21348	5.60099
16/07/23 04:00	1.56866	2.78491	1.16698	5.56748
16/07/23 05:00	1.4638	2.94557	1.68113	4.32742
16/07/23 06:00	1.72417	2.94551	1.77441	3.60655
16/07/23 07:00	2.04592	3.15965	1.44614	3.16529
16/07/23 08:00	1.25837	3.32028	1.58606	2.78083
16/07/23 09:00	2.25135	3.58799	1.91282	2.55801
16/07/23 10:00	3.24792	4.49837	3.26732	3.67209
16/07/23 11:00	4.87081	5.40871	3.22192	4.0034
16/07/23 12:00	5.12258	6.53337	2.28649	4.06457
16/07/23 13:00	6.39455	6.74764	3.73331	5.1284
16/07/23 14:00	6.70986	5.4621	3.12575	6.67573
16/07/23 15:00	6.22258	7.12207	2.70708	4.50801
16/07/23 16:00	8.419	9.90725	2.19128	5.62646
16/07/23 17:00	7.94818	10.55001	2.37963	5.66869
16/07/23 18:00	5.85162	11.13908	2.28759	5.72039
16/07/23 19:00	7.45947	13.22794	2.70887	6.82354
16/07/23 20:00	8.97105	15.26303	2.52176	10.53202
16/07/23 21:00	11.46774	12.47788	3.45815	13.07838
16/07/23 22:00	7.55789	11.24675	3.22412	11.87256
16/07/23 23:00	4.85291	9.15806	3.36487	9.47183
17/07/23 00:00	3.54461	5.08778	3.64582	8.49538
17/07/23 01:00	3.61906	4.42719	2.74111	9.24523
17/07/23 02:00	3.19674	5.28409	3.55189	5.99834
17/07/23 03:00	3.91343	5.0342	3.97248	4.22095
17/07/23 04:00	2.91901	6.6406	3.3644	6.8357
17/07/23 05:00	7.46663	8.14018	5.60755	12.93103
17/07/23 06:00	10.09682	10.12102	4.85724	14.01054
17/07/23 07:00	8.13304	13.7612	5.22613	11.96993
17/07/23 08:00	9.55407	12.9039	5.68979	10.36891
17/07/23 09:00	8.09528	10.17354	3.91469	9.45359
17/07/23 10:00	3.7794	9.53132	3.49901	6.32309
17/07/23 11:00	3.8771	9.79904	3.26574	4.64293
17/07/23 12:00	3.66952	10.70919	4.19763	9.02938
17/07/23 13:00	4.70885	9.79875	2.70275	14.43919
17/07/23 14:00	4.19313	11.45839	3.03231	11.45583
17/07/23 15:00	4.39784	12.10093	6.8112	9.52123
17/07/23 16:00	5.24177	13.01135	3.5914	11.67303
17/07/23 17:00	6.12058	13.70821	4.80706	13.51127
17/07/23 18:00	5.38367	16.06287	6.71999	9.52587
17/07/23 19:00	5.01128	12.79712	5.13543	10.46787
17/07/23 20:00	6.35876	15.26168	3.45324	10.12132
17/07/23 21:00	8.6493	24.95547	6.12121	23.45877
17/07/23 22:00	10.73154	38.87982	7.01375	16.93478
17/07/23 23:00	15.63152	38.29088	5.37665	20.91556
18/07/23 00:00	8.18064	21.58237	7.57572	18.63848
18/07/23 01:00	7.86777	11.21021	5.92256	20.23356
18/07/23 02:00	12.61838	12.06726	7.98119	13.8653
18/07/23 03:00	7.29323	14.88776	7.48167	16.91856
18/07/23 04:00	8.49379	20.77882	8.22865	40.39665
18/07/23 05:00	15.8663	15.20883	14.44132	23.9179
18/07/23 06:00	16.30079	22.22005	14.68098	27.61365
18/07/23 07:00	20.9284	22.86001	12.47193	25.85172
18/07/23 08:00	21.76302	20.4521	25.81404	20.91827
18/07/23 09:00	17.53572	17.45484	27.74124	29.48007
18/07/23 10:00	7.75206	14.40244	9.00979	19.27665
18/07/23 11:00	5.24105	14.24246	5.41407	14.31184
18/07/23 12:00	6.07065	13.70795	5.64566	18.6434
18/07/23 13:00	6.57994	16.2775	4.19869	19.47944
18/07/23 14:00	10.23157	27.56696	5.74548	25.55213
18/07/23 15:00	8.30841	30.09018	9.75557	31.3085
18/07/23 16:00	7.68566	18.526	8.92161	33.63236
18/07/23 17:00	9.03386	15.10017	9.19799	22.89038
18/07/23 18:00	9.13157	17.93931	8.97122	18.81634
18/07/23 19:00	10.32211	16.6552	8.50202	25.06076
18/07/23 20:00	12.08977	19.70801	9.30724	27.47223
18/07/23 21:00	16.25211	16.22705	13.23878	27.82926
18/07/23 22:00	11.56473	11.83555	18.9021	23.28375
18/07/23 23:00	8.80194	11.40703	10.85302	23.74722
19/07/23 00:00	4.99839	9.47891	6.36029	12.56589
19/07/23 01:00	4.72138	10.13901	4.05221	16.77591
19/07/23 02:00	3.28138	10.21064	3.42746	17.34657
19/07/23 03:00	4.06893	9.15728	3.78649	17.19049
19/07/23 04:00	4.37637	9.21072	3.5536	15.50309
19/07/23 05:00	5.47279	14.35103	5.42181	17.46598
19/07/23 06:00	6.99009	20.71728	6.15034	16.602
19/07/23 07:00	8.88552	30.29177	6.06624	18.58059
19/07/23 08:00	10.50554	26.06388	7.13311	16.17784

19/07/23 09:00	9.72658	20.01643	6.05463	18.22312
19/07/23 10:00	8.90198	15.62779	6.11398	23.61641
19/07/23 11:00	7.48166	16.32618	6.9044	23.03135
19/07/23 12:00	6.7027	18.14485	4.98961	21.74584
19/07/23 13:00	7.31542	16.3265	5.03758	21.58873
19/07/23 14:00	7.31542	19.75425	5.97447	21.20863
19/07/23 15:00	6.94732	19.37858	5.5511	26.01682
19/07/23 16:00	7.36821	18.09347	4.66334	22.67534
19/07/23 17:00	8.51098	14.98949	5.50011	25.28651
19/07/23 18:00	9.34273	18.4174	4.51757	25.36236
19/07/23 19:00	8.61011	18.15134	4.52244	17.91733
19/07/23 20:00	11.51695	18.3123	6.49217	16.33951
19/07/23 21:00	12.34727	18.63333	6.44954	19.77177
19/07/23 22:00	12.44927	18.36679	6.26578	28.52717
19/07/23 23:00	12.60406	26.29215	4.34635	25.96619
20/07/23 00:00	13.22895	17.34995	4.44043	20.90668
20/07/23 01:00	12.29233	16.49368	4.18261	18.22525
20/07/23 02:00	11.87479	15.92207	5.30489	15.68156
20/07/23 03:00	14.74626	20.34921	6.3665	16.59205
20/07/23 04:00	13.59633	20.56334	7.02014	25.08841
20/07/23 05:00	13.39806	19.97283	7.43573	23.27693
20/07/23 06:00	19.21282	24.19587	12.98309	25.00994
20/07/23 07:00	20.18094	25.57921	14.47633	21.6584
20/07/23 08:00	16.78539	27.98522	9.51522	21.0795
20/07/23 09:00	13.95693	23.01607	6.01108	17.25307
20/07/23 10:00	11.62987	17.39376	6.25098	14.8007
20/07/23 11:00	10.82944	16.75452	4.52443	15.8748
20/07/23 12:00	8.77707	14.50558	4.28506	12.94389
20/07/23 13:00	9.46119	20.07304	3.87238	14.99409
20/07/23 14:00	8.87335	14.77396	4.05834	11.94023
20/07/23 15:00	11.69465	17.07685	4.38292	11.46091
20/07/23 16:00	9.94132	25.58922	6.76627	21.27193
20/07/23 17:00	13.98877	27.40945	7.04587	19.38599
20/07/23 18:00	12.2025	27.24897	8.68537	16.231
20/07/23 19:00	13.13411	23.55579	10.14023	15.38565
20/07/23 20:00	12.66258	28.37709	7.00802	13.61097
20/07/23 21:00	17.65954	25.16657	8.92844	14.42826
20/07/23 22:00	15.67786	24.31077	15.90782	16.56088
20/07/23 23:00	16.04381	22.4901	9.58999	18.55263
21/07/23 00:00	14.27115	19.38497	5.79965	13.87665
21/07/23 01:00	15.97128	22.2059	6.11804	8.19071
21/07/23 02:00	11.61609	19.13525	7.36568	11.19949
21/07/23 03:00	12.24026	18.95666	8.426	15.85177
21/07/23 04:00	18.5541	21.09822	8.70787	15.03288
21/07/23 05:00	20.6836	24.68492	9.96905	16.13899
21/07/23 06:00	14.7085	28.42739	12.91467	22.03203
21/07/23 07:00	15.69952	31.79362	13.17352	23.15399
21/07/23 08:00	10.68538	28.5763	10.65086	19.96684
21/07/23 09:00	7.81057	19.90743	9.75016	25.20809
21/07/23 10:00	8.22072	15.36053	6.81487	20.56742
21/07/23 11:00	7.79053	14.98429	8.18063	18.38977
21/07/23 12:00	10.08465	16.64289	10.70507	14.11341
21/07/23 13:00	13.07578	16.85835	10.27415	9.88746
21/07/23 14:00	7.64361	13.69913	7.37625	12.32144
21/07/23 15:00	9.37494	17.76825	5.22852	15.03103
21/07/23 16:00	6.74833	19.91127	7.60184	15.58567
21/07/23 17:00	11.07907	16.8066	7.28406	12.7792
21/07/23 18:00	13.68993	14.23908	9.1446	11.12557
21/07/23 19:00	13.77045	17.50739	12.15446	13.31484
21/07/23 20:00	19.13193	16.81091	12.01279	14.7417
21/07/23 21:00	14.17344	16.91668	11.7442	19.7142
21/07/23 22:00	16.93408	17.77495	15.8232	14.06298
21/07/23 23:00	20.18486	22.27527	10.10955	13.90063
22/07/23 00:00	9.27705	16.22544	13.66337	21.48267
22/07/23 01:00	6.9537	14.63684	7.86411	17.99473
22/07/23 02:00	6.30597	11.56673	6.55255	20.17956
22/07/23 03:00	7.20197	7.01455	5.14927	17.66704
22/07/23 04:00	8.23629	5.89023	7.53589	15.40283
22/07/23 05:00	4.27437	5.56902	4.86692	9.50334
22/07/23 06:00	6.67979	5.88997	4.91245	11.5697
22/07/23 07:00	6.16621	5.67533	5.00124	22.81129
22/07/23 08:00	5.80456	8.40517	4.30058	11.92013
22/07/23 09:00	8.00813	8.4047	3.96877	10.92908
22/07/23 10:00	7.17566	8.18986	3.78043	12.28053
22/07/23 11:00	7.22201	7.11965	4.48011	10.21367
22/07/23 12:00	7.58796	6.85152	4.38871	9.32772
22/07/23 13:00	5.7575	6.69085	4.15451	9.83371
22/07/23 14:00	6.02001	5.72707	5.23512	10.78589
22/07/23 15:00	5.33661	6.74508	5.09362	12.57147
22/07/23 16:00	5.17895	7.76228	5.00222	12.08479
22/07/23 17:00	4.80871	8.94042	4.81616	12.1891
22/07/23 18:00	4.5997	8.4594	4.20722	11.07201
22/07/23 19:00	5.5934	7.76355	4.06898	10.81994
22/07/23 20:00	4.54118	7.97839	3.64807	8.40395
22/07/23 21:00	4.43488	7.44281	3.04011	9.52024
22/07/23 22:00	3.39269	5.35432	3.55536	7.57458
22/07/23 23:00	2.506	3.6408	3.0863	8.77319
23/07/23 00:00	1.61501	4.4443	2.33847	6.69346
23/07/23 01:00	1.1813	2.71259	2.6194	10.49518

23/07/23 02:00	1.51444	3.28357	1.68141	12.25721
23/07/23 03:00	1.4103	2.8372	1.72994	9.51301
23/07/23 04:00	1.51874	3.10492	1.35512	9.58112
23/07/23 05:00	1.304	3.47982	1.40126	4.49062
23/07/23 06:00	1.35894	3.80064	1.49353	5.18258
23/07/23 07:00	1.68355	3.42497	2.285	3.42953
23/07/23 08:00	1.62933	3.90562	1.86333	2.54988
23/07/23 09:00	1.94965	4.33233	1.579	4.02559
23/07/23 10:00	1.74207	5.83089	3.67873	4.40916
23/07/23 11:00	2.68012	5.72286	3.06572	3.46876
23/07/23 12:00	2.99184	5.99126	2.60902	3.73819
23/07/23 13:00	3.7173	6.79653	2.51711	4.68431
23/07/23 14:00	3.29498	7.70725	2.69878	9.33811
23/07/23 15:00	5.21957	10.54315	1.95775	8.43257
23/07/23 16:00	3.97481	13.9698	3.73275	14.05702
23/07/23 17:00	2.92474	12.90183	2.89264	12.70389
23/07/23 18:00	3.23575	19.6477	2.28464	16.37152
23/07/23 19:00	4.48553	26.76786	2.28535	9.98974
23/07/23 20:00	5.00197	20.93385	3.17518	9.53643
23/07/23 21:00	7.9217	23.82826	4.34862	5.50239
23/07/23 22:00	8.49165	28.11412	4.62651	6.23821
23/07/23 23:00	6.04274	32.02347	5.09467	6.50109
24/07/23 00:00	4.48123	30.63134	3.88225	4.42986
24/07/23 01:00	3.12635	29.56002	2.87162	1.87836
24/07/23 02:00	2.56899	32.13012	3.37201	2.09982
24/07/23 03:00	2.2399	26.82879	2.15372	2.74999
24/07/23 04:00	2.13647	26.77506	2.24822	2.36935
24/07/23 05:00	2.24276	31.27351	2.66842	4.83311
24/07/23 06:00	5.37007	22.91847	5.15018	9.55189
24/07/23 07:00	6.41871	28.05484	6.21905	17.61554
24/07/23 08:00	12.32455	27.13942	6.76776	17.85167
24/07/23 09:00	12.23472	24.89484	5.41888	20.70656
24/07/23 10:00	10.34932	15.36348	4.71984	18.97608
24/07/23 11:00	5.12545	20.01893	3.45885	16.19787
24/07/23 12:00	4.97209	16.85893	3.08551	21.73438
24/07/23 13:00	6.12201	16.74901	4.48592	23.30177
24/07/23 14:00	7.89969	15.5726	3.92552	29.06694
24/07/23 15:00	7.37322	15.4104	4.6648	17.05854
24/07/23 16:00	8.99181	16.43064	4.76632	20.043
24/07/23 17:00	7.16135	23.66122	4.24928	11.93452
24/07/23 18:00	8.92614	9.6355	3.88334	15.07097
24/07/23 19:00	8.08364	7.97648	5.00881	13.52712
24/07/23 20:00	9.58806	7.33523	3.97979	15.81565
24/07/23 21:00	11.98204	9.04925	6.41818	16.24723
24/07/23 22:00	13.64483	13.97522	5.99681	15.92417
24/07/23 23:00	11.71809	8.40707	5.90309	11.44649
25/07/23 00:00	13.17688	5.46121	11.99129	10.20631
25/07/23 01:00	15.9028	4.63981	6.68437	8.52643
25/07/23 02:00	12.63949	10.63642	7.36567	15.0338
25/07/23 03:00	10.62525	15.74011	6.41567	12.23142
25/07/23 04:00	11.04184	16.91905	8.29227	10.33698
25/07/23 05:00	11.30508	20.71151	10.98773	16.40175
25/07/23 06:00	17.28876	25.24551	13.08269	19.8678
25/07/23 07:00	13.71856	25.83051	10.53177	24.79273
25/07/23 08:00	11.78681	19.24993	7.87771	26.44993
25/07/23 09:00	9.63889	13.90824	7.18346	19.93373
25/07/23 10:00	5.76322	11.60872	7.23707	18.24499
25/07/23 11:00	6.64562	11.77203	5.18056	15.80571
25/07/23 12:00	7.68566	12.19918	5.78949	19.47212
25/07/23 13:00	7.22129	14.71302	6.63193	17.0628
25/07/23 14:00	7.37537	11.39515	5.50699	20.26864
25/07/23 15:00	7.99668	16.21414	4.99307	29.37344
25/07/23 16:00	10.55403	14.97808	6.25821	32.18649
25/07/23 17:00	10.8144	17.81543	7.46512	20.53427
25/07/23 18:00	12.26603	18.03013	8.96715	20.67022
25/07/23 19:00	11.21596	17.12388	5.97698	13.78533
25/07/23 20:00	11.25658	21.1426	9.54647	13.75498
25/07/23 21:00	17.50403	31.21629	12.08391	17.67523
25/07/23 22:00	23.28353	30.84271	14.52129	19.7044
25/07/23 23:00	18.43922	30.84017	11.94834	19.76714
26/07/23 00:00	16.20075	22.06108	11.10548	11.60961
26/07/23 01:00	20.42352	17.34824	12.56049	13.93349
26/07/23 02:00	7.36362	21.41893	8.99555	20.59097
26/07/23 03:00	7.81468	20.24223	10.16733	16.90944
26/07/23 04:00	7.9752	20.23966	11.66805	18.25794
26/07/23 05:00	9.27992	23.71824	12.08231	21.80753
26/07/23 06:00	17.15115	22.15353	19.10539	21.1497
26/07/23 07:00	14.14876	20.32371	13.03246	18.2836
26/07/23 08:00	11.33676	20.10649	9.24533	15.2553
26/07/23 09:00	7.70857	17.54157	5.69261	15.22917
26/07/23 10:00	5.49927	12.94527	4.90329	15.00749
26/07/23 11:00	5.70972	9.04326	4.2032	13.10131
26/07/23 12:00	4.71387	9.20455	4.53455	12.36952
26/07/23 13:00	6.06994	9.25811	4.34883	13.98938
26/07/23 14:00	8.18082	8.50851	4.53682	11.28805
26/07/23 15:00	9.08594	12.09586	6.26607	9.55777
26/07/23 16:00	12.84815	13.86348	9.44055	14.65873
26/07/23 17:00	11.47776	16.32622	8.13235	20.70119
26/07/23 18:00	9.85774	13.86472	9.45187	17.50344

26/07/23 19:00	9.22999	11.51074	8.85098	23.21893
26/07/23 20:00	7.5051	8.99465	9.04168	22.33731
26/07/23 21:00	7.50439	8.83346	9.51232	16.17542
26/07/23 22:00	6.15333	8.13793	8.99887	17.913
26/07/23 23:00	6.05204	6.7996	6.74893	16.50798
27/07/23 00:00	4.95348	5.19296	3.7484	15.54121
27/07/23 01:00	1.94505	7.56505	2.81363	8.43742
27/07/23 02:00	1.32207	6.42188	2.99927	6.81159
27/07/23 03:00	1.77768	3.21057	2.85907	10.43499
27/07/23 04:00	1.8761	3.6387	1.8743	19.83927
27/07/23 05:00	2.71	5.78023	2.52936	20.57338
27/07/23 06:00	4.27723	10.59675	4.53805	16.23989
27/07/23 07:00	6.95591	13.64195	4.85808	10.51427
27/07/23 08:00	7.85263	12.4545	6.5356	11.63035
27/07/23 09:00	7.71144	8.71338	4.47082	11.84911
27/07/23 10:00	6.76265	11.64799	3.58807	8.83135
27/07/23 11:00	5.86952	10.42701	3.17135	9.83485
27/07/23 12:00	4.57769	11.81448	3.86653	10.6743
27/07/23 13:00	6.24119	10.63912	3.91584	11.23856
27/07/23 14:00	5.709	13.04498	3.8767	12.40961
27/07/23 15:00	6.38596	11.06534	4.15515	13.5332
27/07/23 16:00	8.90127	14.54146	5.37052	9.00815
27/07/23 17:00	8.20855	14.70505	6.54093	11.66565
27/07/23 18:00	7.62643	16.47447	8.27551	11.73858
27/07/23 19:00	8.66219	14.97407	7.19018	13.35755
27/07/23 20:00	8.91611	13.1114	7.20857	14.75228
27/07/23 21:00	8.90967	16.15939	7.68235	14.42905
27/07/23 22:00	10.58749	14.50133	5.29464	21.89026
27/07/23 23:00	7.81755	18.5704	5.29512	22.1967
28/07/23 00:00	7.35604	20.33781	7.73166	16.21356
28/07/23 01:00	4.86883	12.84182	4.06229	13.61671
28/07/23 02:00	4.21943	14.62419	3.99906	11.88475
28/07/23 03:00	4.53545	9.83871	4.87547	16.74612
28/07/23 04:00	4.37851	9.4632	6.14137	14.28263
28/07/23 05:00	5.06192	11.9791	5.38574	18.74232
28/07/23 06:00	6.10412	11.59887	7.89486	16.05312
28/07/23 07:00	8.46033	14.85539	6.20734	18.58267
28/07/23 08:00	8.99682	17.10543	7.04388	20.52653
28/07/23 09:00	8.53889	14.86409	3.82605	16.06562
28/07/23 10:00	6.49584	14.38642	5.07854	11.76116
28/07/23 11:00	5.92016	12.94	4.23942	12.2829
28/07/23 12:00	5.8824	15.40076	5.40842	13.11017
28/07/23 13:00	4.9771	12.56521	4.42549	11.94917
28/07/23 14:00	6.69411	11.92542	4.94762	14.76401
28/07/23 15:00	5.86021	9.41157	5.3677	10.43166
28/07/23 16:00	5.86379	9.57382	5.4646	10.76598
28/07/23 17:00	6.17051	8.12872	4.90587	10.74924
28/07/23 18:00	5.59053	12.25232	6.02797	8.81876
28/07/23 19:00	8.14073	12.6294	4.96103	12.06742
28/07/23 20:00	9.12369	17.28931	6.13724	18.11258
28/07/23 21:00	5.89009	14.45195	6.04086	13.81253
28/07/23 22:00	5.05548	9.3105	4.78011	9.29822
28/07/23 23:00	6.31241	7.06204	3.56008	9.24906
29/07/23 00:00	6.10412	6.36627	4.35849	11.53
29/07/23 01:00	3.61524	6.27669	4.81221	10.84291
29/07/23 02:00	3.49827	5.41976	2.93707	9.81616
29/07/23 03:00	3.12945	5.18759	2.34191	13.41639
29/07/23 04:00	2.60728	6.31205	2.24808	10.72382
29/07/23 05:00	6.9373	6.36626	3.04563	9.26316
29/07/23 06:00	8.30053	6.25914	4.68491	8.24832
29/07/23 07:00	5.64905	5.82964	3.45911	5.99707
29/07/23 08:00	3.19083	6.36353	3.17598	5.61561
29/07/23 09:00	4.34291	8.02279	3.17325	4.52572
29/07/23 10:00	5.43718	8.87894	4.01607	4.98222
29/07/23 11:00	4.81945	8.23404	3.68712	4.02455
29/07/23 12:00	5.59268	7.96638	2.9845	4.30685
29/07/23 13:00	3.24506	9.24878	3.12415	5.78714
29/07/23 14:00	4.17952	8.44671	3.12469	4.9992
29/07/23 15:00	3.87496	8.0718	2.89176	5.17341
29/07/23 16:00	3.61172	7.69872	2.8443	6.00601
29/07/23 17:00	2.66795	9.09148	2.70519	7.02532
29/07/23 18:00	3.55535	7.4863	2.97738	6.17575
29/07/23 19:00	3.65234	7.53999	2.80176	7.64084
29/07/23 20:00	4.32787	10.48607	3.55349	7.18255
29/07/23 21:00	4.79654	10.647	3.93209	9.13988
29/07/23 22:00	4.014	7.4343	4.02975	6.94849
29/07/23 23:00	6.04846	7.86367	3.41767	7.09679
30/07/23 00:00	4.84646	7.22111	3.32657	10.65414
30/07/23 01:00	3.48592	4.77489	3.00013	10.76243
30/07/23 02:00	3.40885	5.13231	2.81089	11.18063
30/07/23 03:00	3.2914	4.75681	2.48299	12.14831
30/07/23 04:00	1.87538	3.47197	2.52934	7.16036
30/07/23 05:00	3.60814	3.90085	2.24836	4.30734
30/07/23 06:00	1.87681	4.27548	2.24547	3.73293
30/07/23 07:00	1.93605	4.38218	3.13531	3.12029
30/07/23 08:00	1.57368	4.70367	2.14815	2.60948
30/07/23 09:00	1.6279	4.43588	2.05141	3.40115
30/07/23 10:00	2.6173	5.50565	2.78833	3.8556
30/07/23 11:00	2.87839	6.95046	2.93489	4.89534

30/07/23 12:00	4.12674	6.4683	2.74661	4.50359
30/07/23 13:00	6.11557	6.14723	3.63819	4.20279
30/07/23 14:00	5.59125	6.41488	3.68107	5.68792
30/07/23 15:00	6.27465	8.28733	3.40472	4.76088
30/07/23 16:00	6.99224	8.44911	3.68396	5.1608
30/07/23 17:00	8.09367	10.59088	5.04826	5.82616
30/07/23 18:00	6.62271	13.74969	5.09865	7.96578
30/07/23 19:00	4.75162	12.46652	4.40056	8.69929
30/07/23 20:00	5.47493	11.02239	3.84035	13.88562
30/07/23 21:00	7.14918	7.11516	3.04551	13.72472
30/07/23 22:00	7.35676	5.29544	2.48183	8.24302
30/07/23 23:00	2.71573	4.38551	2.95398	6.22336
31/07/23 00:00	1.46165	4.38551	3.37515	4.30734
31/07/23 01:00	0.55737	3.4218	1.93757	2.71947
31/07/23 02:00	1.7299	3.9923	1.55965	3.62229
31/07/23 03:00	1.04363	3.9562	1.49889	4.93571
31/07/23 04:00	2.03518	3.63574	1.73418	6.05963
31/07/23 05:00	2.34476	5.45671	3.42082	9.95302
31/07/23 06:00	4.4356	9.84477	4.82401	7.07989
31/07/23 07:00	6.31528	14.87405	5.23851	11.41476
31/07/23 08:00	7.26406	15.45979	5.75358	11.22288
31/07/23 09:00	7.46735	15.08828	3.88103	11.33389
31/07/23 10:00	8.51098	15.03354	4.39305	13.15239
31/07/23 11:00	7.93745	15.51541	4.29979	10.25904
31/07/23 12:00	9.54888	15.67446	2.9417	14.57131
31/07/23 13:00	12.37519	21.18443	5.19035	14.74059
31/07/23 14:00	12.95588	16.90585	7.57919	12.29314
31/07/23 15:00	11.90867	15.93546	5.42015	13.4132
31/07/23 16:00	11.23386	13.32057	5.09282	12.14683
31/07/23 17:00	10.15319	17.07066	4.80694	11.15873
31/07/23 18:00	7.93745	15.13903	4.01513	11.50593
31/07/23 19:00	8.19209	15.62415	3.83226	9.50621
31/07/23 20:00	7.61212	21.08958	4.72465	9.84201
31/07/23 21:00	5.42071	18.52012	4.82523	7.74965
31/07/23 22:00	5.47565	11.88145	3.7006	6.27614
31/07/23 23:00	3.1801	15.09552	2.94902	6.21972
01/08/23 00:00	3.18224	10.49219	4.12364	16.33467
01/08/23 01:00	5.23699	10.70491	1.99876	8.52484
01/08/23 02:00	1.32112	12.2014	2.93427	5.66226
01/08/23 03:00	2.25135	8.13501	3.23288	5.43502
01/08/23 04:00	1.77123	10.49062	2.29524	5.15905
01/08/23 05:00	3.13446	11.82722	2.24444	6.00373
01/08/23 06:00	4.69883	14.81895	3.17118	9.86239
01/08/23 07:00	6.65993	17.16156	3.76545	11.03242
01/08/23 08:00	4.61545	16.94028	3.34614	9.07454
01/08/23 09:00	4.50987	15.39697	3.47992	12.85002
01/08/23 10:00	3.78226	14.22386	3.26122	11.18674
01/08/23 11:00	3.66881	12.12899	3.95259	10.84649
01/08/23 12:00	4.02903	15.44457	4.46643	12.14316
01/08/23 13:00	5.18325	13.1538	4.19438	11.53751
01/08/23 14:00	5.02631	13.68875	5.2472	12.66722
01/08/23 15:00	5.33661	13.15458	4.64844	14.19573
01/08/23 16:00	6.44448	15.56375	5.81953	12.24125
01/08/23 17:00	9.61455	20.43329	6.60736	13.22561
01/08/23 18:00	9.91912	18.83407	9.98107	15.07548
01/08/23 19:00	14.60435	16.05673	10.57906	17.89854
01/08/23 20:00	13.70836	16.38231	10.13205	19.54783
01/08/23 21:00	12.1005	14.45423	6.18857	35.20008
01/08/23 22:00	12.61337	13.27595	8.58539	23.40277
01/08/23 23:00	5.83515	13.49065	9.43299	23.91125
02/08/23 00:00	3.4376	5.6203	9.29215	18.23626
02/08/23 01:00	2.57185	4.13873	6.31902	19.57481
02/08/23 02:00	2.43012	4.92336	4.50336	11.65616
02/08/23 03:00	2.0316	4.92303	3.79879	6.74798
02/08/23 04:00	2.39684	4.441	4.97405	6.86206
02/08/23 05:00	3.17509	4.44134	6.85097	8.57241
02/08/23 06:00	6.4715	5.56572	9.88768	13.14623
02/08/23 07:00	7.53087	13.32119	5.32413	23.46128
02/08/23 08:00	6.59784	15.60928	5.03432	28.29651
02/08/23 09:00	6.27824	14.0047	3.16682	23.14074
02/08/23 10:00	5.96722	13.41771	4.05226	15.5017
02/08/23 11:00	5.70685	11.33591	4.29781	No data
02/08/23 12:00	6.22258	9.41063	5.83931	10.57042
02/08/23 13:00	5.60056	8.17764	5.46366	8.41034
02/08/23 14:00	4.23446	11.60386	5.27179	22.67873
02/08/23 15:00	4.49698	12.56161	6.72005	21.98666
02/08/23 16:00	5.12402	17.15866	5.88492	28.41117
02/08/23 17:00	8.45604	27.79649	7.65044	30.6571
02/08/23 18:00	10.01611	21.98069	8.45072	18.89954
02/08/23 19:00	10.21868	16.5307	8.56146	20.16195
02/08/23 20:00	9.43113	15.7308	7.44122	13.33191
02/08/23 21:00	7.60567	13.80338	9.60931	15.26853
02/08/23 22:00	6.14832	16.05083	6.56318	13.10657
02/08/23 23:00	6.87592	12.41634	5.20816	9.81696
03/08/23 00:00	7.39809	7.92062	4.55077	6.13798
03/08/23 01:00	6.59986	7.06313	3.50501	4.97191
03/08/23 02:00	4.86311	14.33957	3.1872	5.19976
03/08/23 03:00	4.63674	7.06005	2.95612	6.05171
03/08/23 04:00	5.15676	6.04577	3.04653	7.19316

03/08/23 05:00	4.7416	11.34573	3.64795	8.13975
03/08/23 06:00	8.13572	16.78997	6.03975	16.09766
03/08/23 07:00	8.82342	21.80278	6.05221	23.7832
03/08/23 08:00	8.41971	21.20771	5.71921	22.31629
03/08/23 09:00	6.07423	18.64775	5.54895	20.76013
03/08/23 10:00	5.80599	16.40075	4.33696	18.15799
03/08/23 11:00	7.06078	16.13977	4.05727	15.78624
03/08/23 12:00	8.82414	15.712	4.75474	15.96644
03/08/23 13:00	9.1466	21.76336	4.33696	18.30965
03/08/23 14:00	9.14087	19.46351	9.49631	15.03907
03/08/23 15:00	7.89468	20.74994	8.5107	14.58756
03/08/23 16:00	10.81225	42.71811	7.28181	18.82854
03/08/23 17:00	11.74959	34.68616	9.06163	20.3068
03/08/23 18:00	9.55389	17.25943	12.29885	14.52062
03/08/23 19:00	8.29337	19.35918	8.09222	16.41299
03/08/23 20:00	7.19051	20.5966	10.20223	16.07287
03/08/23 21:00	7.65846	16.15356	10.19237	14.48179
03/08/23 22:00	9.99821	19.41728	4.97219	16.91739
03/08/23 23:00	9.79421	20.87067	5.30377	16.23219
04/08/23 00:00	7.91454	23.01439	5.16076	14.32329
04/08/23 01:00	8.88826	17.69344	5.69211	13.99673
04/08/23 02:00	5.49086	11.49124	11.32748	10.90274
04/08/23 03:00	3.80069	10.75854	10.5641	8.76862
04/08/23 04:00	2.28625	8.08321	4.64564	8.6724
04/08/23 05:00	2.812	13.15893	4.30282	10.14941
04/08/23 06:00	4.5333	18.71042	6.02922	16.76771
04/08/23 07:00	6.93444	32.04542	4.91059	16.04847
04/08/23 08:00	9.12871	22.86629	4.80044	16.06123
04/08/23 09:00	8.66433	19.93418	4.15085	16.94821
04/08/23 10:00	11.79307	21.6473	6.25234	21.19513
04/08/23 11:00	8.82414	21.53762	6.57529	13.95836
04/08/23 12:00	4.49984	24.20689	5.83101	18.18191
04/08/23 13:00	3.96908	21.79807	5.88682	22.73545
04/08/23 14:00	3.65807	22.68966	6.07105	15.45875
04/08/23 15:00	3.34276	20.2592	5.68934	18.76172
04/08/23 16:00	3.9698	19.93602	6.70445	13.94136
04/08/23 17:00	4.07251	18.34102	7.77905	14.4798
04/08/23 18:00	2.97681	19.52168	9.86005	13.38693
04/08/23 19:00	3.81071	22.73534	6.03143	16.41886
04/08/23 20:00	4.89925	26.32941	6.63552	19.95706
04/08/23 21:00	5.67893	22.69573	7.11707	18.47155
04/08/23 22:00	6.82528	29.86332	17.13215	17.13597
04/08/23 23:00	9.01095	43.1345	19.66012	18.54368
05/08/23 00:00	7.49938	21.04149	19.3937	14.47868
05/08/23 01:00	4.72042	13.84853	17.34613	15.01305
05/08/23 02:00	No data	12.49352	18.34572	25.12933
05/08/23 03:00	No data	10.44034	20.96613	29.99871
05/08/23 04:00	No data	9.04764	15.92517	33.43628
05/08/23 05:00	No data	8.03042	12.86786	25.09334
05/08/23 06:00	No data	9.26206	12.67224	21.92619
05/08/23 07:00	No data	11.1888	10.87134	19.57091
05/08/23 08:00	No data	9.47456	9.92621	20.32194
05/08/23 09:00	No data	5.35233	6.61536	22.27276
05/08/23 10:00	No data	4.38887	7.02675	21.08361
05/08/23 11:00	No data	3.95983	6.08622	17.85624
05/08/23 12:00	No data	4.60233	6.22565	14.81899
05/08/23 13:00	No data	11.34236	7.91722	11.10273
05/08/23 14:00	No data	20.27441	6.51141	10.70713
05/08/23 15:00	No data	20.65086	5.4746	9.19618
05/08/23 16:00	No data	23.2752	4.49015	14.20256
05/08/23 17:00	No data	19.68604	4.28762	24.97169
05/08/23 18:00	No data	20.05364	3.91248	25.73514
05/08/23 19:00	No data	21.87288	5.71108	25.65131
05/08/23 20:00	No data	18.67094	7.91952	18.43253
05/08/23 21:00	No data	12.95083	6.38042	14.95717
05/08/23 22:00	No data	13.27083	4.12422	19.79291
05/08/23 23:00	No data	14.66083	3.51721	23.59301
06/08/23 00:00	No data	11.13371	4.03562	16.22838
06/08/23 01:00	No data	12.91941	3.31166	13.17973
06/08/23 02:00	No data	12.27564	4.12737	11.27409
06/08/23 03:00	No data	8.24329	4.50549	22.05366
06/08/23 04:00	No data	9.95654	4.93007	17.60663
06/08/23 05:00	No data	11.49986	6.47624	9.69292
06/08/23 06:00	No data	11.50066	6.74785	9.97211
06/08/23 07:00	No data	10.58897	5.56169	11.49221
06/08/23 08:00	No data	9.03398	4.29832	8.64342
06/08/23 09:00	No data	8.27611	3.95495	5.78612
06/08/23 10:00	No data	8.59806	3.90476	5.27894
06/08/23 11:00	No data	9.5605	4.00355	8.62809
06/08/23 12:00	No data	10.47299	3.95495	8.32529
06/08/23 13:00	No data	8.50021	4.00994	9.38848
06/08/23 14:00	No data	18.15916	3.94936	8.30571
06/08/23 15:00	No data	14.10507	3.34636	13.2934
06/08/23 16:00	No data	8.60773	3.59254	24.30772
06/08/23 17:00	No data	9.19546	2.88756	16.65929
06/08/23 18:00	No data	9.67667	3.58935	16.03647
06/08/23 19:00	No data	10.96629	3.59174	13.27546
06/08/23 20:00	No data	13.96433	5.37769	15.29093
06/08/23 21:00	No data	22.90428	7.84	20.15756

06/08/23 22:00	No data	19.63805	8.72499	16.52193
06/08/23 23:00	No data	20.12752	8.73218	13.27499
07/08/23 00:00	No data	15.57932	7.8838	10.07831
07/08/23 01:00	No data	15.13316	10.77635	8.12463
07/08/23 02:00	No data	10.99247	9.58213	12.88396
07/08/23 03:00	No data	9.84941	10.00715	14.85946
07/08/23 04:00	No data	10.27724	6.75438	19.17278
07/08/23 05:00	No data	15.57443	7.12298	25.08548
07/08/23 06:00	No data	22.23027	9.25302	19.22856
07/08/23 07:00	No data	23.43055	8.52215	19.66713
07/08/23 08:00	No data	19.46306	7.20423	21.67056
07/08/23 09:00	No data	15.58529	7.71469	17.70321
07/08/23 10:00	No data	16.22988	8.19474	9.51548
07/08/23 11:00	No data	13.03365	5.41239	8.06431
07/08/23 12:00	No data	11.90977	4.57037	9.05973
07/08/23 13:00	No data	14.00295	4.51838	9.68351
07/08/23 14:00	No data	12.61065	3.96174	10.46186
07/08/23 15:00	No data	12.55731	4.1448	12.32009
07/08/23 16:00	No data	18.43627	4.70808	13.41714
07/08/23 17:00	No data	15.22784	5.01887	14.75393
07/08/23 18:00	No data	19.40684	4.45975	12.6264
07/08/23 19:00	No data	15.44881	5.14195	16.07107
07/08/23 20:00	No data	20.16927	9.3595	12.64375
07/08/23 21:00	No data	27.12949	7.68792	18.69791
07/08/23 22:00	No data	25.95752	11.7357	15.57495
07/08/23 23:00	No data	23.82277	7.98326	13.78914
08/08/23 00:00	No data	25.79937	6.75687	11.95358
08/08/23 01:00	No data	18.27205	4.69623	15.0667
08/08/23 02:00	No data	12.77841	4.31777	11.87061
08/08/23 03:00	No data	11.40412	4.9772	8.57022
08/08/23 04:00	No data	11.56304	3.70594	12.64515
08/08/23 05:00	No data	18.8871	4.25725	11.46214
08/08/23 06:00	No data	19.63516	9.36602	14.52918
08/08/23 07:00	No data	20.89205	7.34073	14.92721
08/08/23 08:00	No data	24.13431	7.19795	15.16123
08/08/23 09:00	No data	21.21734	6.35504	12.87823
08/08/23 10:00	No data	21.80253	6.40033	12.48019
08/08/23 11:00	No data	12.99222	4.90777	9.58496
08/08/23 12:00	5.08725	11.39009	7.22342	10.52804
08/08/23 13:00	3.27825	8.55656	4.77619	13.86889
08/08/23 14:00	3.43973	11.07071	5.89432	16.36798
08/08/23 15:00	3.81223	12.73166	5.74551	13.0361
08/08/23 16:00	4.46294	15.0272	6.76012	12.30603
08/08/23 17:00	6.82109	18.08329	5.38314	12.13919
08/08/23 18:00	13.91157	19.79627	13.72076	9.91652
08/08/23 19:00	14.92197	24.45822	12.99995	14.0819
08/08/23 20:00	18.92921	35.94994	11.43748	17.20077
08/08/23 21:00	27.1364	35.25084	12.30193	17.69634
08/08/23 22:00	20.44885	31.02897	19.60339	17.86105
08/08/23 23:00	19.15866	23.60196	12.53703	17.52666
09/08/23 00:00	11.83953	18.46829	12.30882	10.79265
09/08/23 01:00	11.99034	15.91878	9.40476	10.5019
09/08/23 02:00	12.25649	15.99019	9.40451	9.68841
09/08/23 03:00	14.13323	17.66682	8.83928	12.3181
09/08/23 04:00	10.6522	22.10825	9.07482	18.1446
09/08/23 05:00	9.21334	26.01045	10.90842	29.12518
09/08/23 06:00	12.00833	28.59874	16.56716	28.24558
09/08/23 07:00	16.66875	31.25557	21.50993	29.92917
09/08/23 08:00	11.71702	28.69666	12.1222	19.98794
09/08/23 09:00	9.23861	18.52551	No data	17.88338
09/08/23 10:00	7.49858	17.09291	No data	15.45235
09/08/23 11:00	5.75692	16.93725	4.76164	12.547
09/08/23 12:00	5.64171	14.32341	4.22869	13.71509
09/08/23 13:00	6.76775	13.57383	5.12256	15.21129
09/08/23 14:00	5.69439	14.00252	5.02888	22.15149
09/08/23 15:00	5.53059	15.44037	5.21604	18.70906
09/08/23 16:00	6.87968	16.29319	6.34419	9.54537
09/08/23 17:00	9.20825	14.06224	7.23642	12.26406
09/08/23 18:00	8.54158	15.72002	7.6596	8.76913
09/08/23 19:00	9.26602	20.38824	8.18009	12.14808
09/08/23 20:00	17.66449	21.51934	10.43946	26.86536
09/08/23 21:00	25.80036	19.80777	14.15571	26.29452
09/08/23 22:00	21.45752	16.2718	21.25305	43.00805
09/08/23 23:00	19.58735	11.50423	15.42361	42.66528
10/08/23 00:00	17.93775	9.52191	16.03596	31.11977
10/08/23 01:00	18.26771	9.98642	23.47162	22.92901
10/08/23 02:00	12.1164	15.9097	21.47215	12.9759
10/08/23 03:00	10.05192	16.63732	14.50214	22.72626
10/08/23 04:00	9.99763	11.01397	14.31288	24.4957
10/08/23 05:00	13.10107	10.85472	12.98846	31.1311
10/08/23 06:00	12.18267	22.08268	22.66143	35.27823
10/08/23 07:00	14.54906	16.19225	22.85428	No data
10/08/23 08:00	8.53548	16.02114	13.59724	No data
10/08/23 09:00	5.15134	11.32868	8.51837	No data
10/08/23 10:00	5.89796	7.64148	7.81321	No data
10/08/23 11:00	7.24008	7.0521	7.57806	14.21082
10/08/23 12:00	5.09537	6.03829	5.55387	16.03556
10/08/23 13:00	6.32976	6.73336	4.33052	26.59691
10/08/23 14:00	5.68752	7.47511	4.84821	19.40856

10/08/23 15:00	7.07805	6.62459	4.84861	19.29797
10/08/23 16:00	7.01872	7.05139	5.08396	16.20144
10/08/23 17:00	11.45841	8.07018	5.31912	14.21082
10/08/23 18:00	10.28336	9.24916	7.10865	11.83314
10/08/23 19:00	7.59743	8.82046	7.76841	10.61665
10/08/23 20:00	8.66138	9.5717	9.93557	16.86498
10/08/23 21:00	7.16647	13.37336	10.7833	24.66158
10/08/23 22:00	7.75442	13.15984	8.19333	16.36733
10/08/23 23:00	7.43372	7.53744	6.12145	8.18366
11/08/23 00:00	4.44053	8.71477	7.44008	7.46483
11/08/23 01:00	3.42076	8.90861	6.72667	5.75068
11/08/23 02:00	2.27821	5.7649	5.09184	7.4464
11/08/23 03:00	2.35113	4.10255	4.62034	7.8519
11/08/23 04:00	6.79586	4.04678	4.76169	8.12837
11/08/23 05:00	10.70664	5.06266	3.8651	10.56135
11/08/23 06:00	5.77533	8.21963	4.71371	11.05901
11/08/23 07:00	6.96551	12.54428	5.32438	13.65787
11/08/23 08:00	7.46327	13.82574	4.47557	8.01778
11/08/23 09:00	6.87161	10.45553	3.8624	8.8472
11/08/23 10:00	4.77629	8.63775	4.00354	9.23427
11/08/23 11:00	4.99073	8.74634	3.25069	9.28957
11/08/23 12:00	5.09752	No data	3.58043	9.73193
11/08/23 13:00	5.89845	9.6588	3.53297	9.12368
11/08/23 14:00	5.84248	8.31542	No data	10.39547
11/08/23 15:00	6.64943	8.21692	4.85225	9.78722
11/08/23 16:00	5.57206	9.02078	4.7108	9.51075
11/08/23 17:00	7.07746	10.35554	4.14551	8.40485
11/08/23 18:00	7.49001	10.73611	5.60749	8.01778
11/08/23 19:00	8.81544	14.70383	6.74045	9.40016
11/08/23 20:00	8.65697	17.49007	11.73883	16.80969
11/08/23 21:00	5.9295	14.7053	15.18165	9.95311
11/08/23 22:00	12.23448	9.56546	10.98546	21.78624
11/08/23 23:00	9.03074	8.97608	10.79654	22.39449
12/08/23 00:00	9.56126	8.38694	10.98546	17.805
12/08/23 01:00	7.54128	7.25764	5.3503	20.93839
12/08/23 02:00	5.05318	7.18566	7.11258	22.56037
12/08/23 03:00	4.32418	6.08004	5.33453	19.57444
12/08/23 04:00	3.31245	7.41772	3.9183	13.43669
12/08/23 05:00	3.25999	6.29575	2.87948	15.48261
12/08/23 06:00	3.47423	8.54134	3.54005	8.73661
12/08/23 07:00	5.19875	5.38573	3.91726	7.57542
12/08/23 08:00	4.93028	5.2773	4.19958	6.6907
12/08/23 09:00	6.9092	6.13169	3.25537	6.08245
12/08/23 10:00	5.58006	5.3841	2.87778	5.80598
12/08/23 11:00	4.77114	5.54254	3.25546	6.46952
12/08/23 12:00	3.75325	6.66521	3.585	8.68132
12/08/23 13:00	4.18438	5.328	3.25546	6.96717
12/08/23 14:00	3.27142	6.50326	3.91443	8.79191
12/08/23 15:00	3.37722	5.06089	2.5473	7.57542
12/08/23 16:00	4.01996	5.2212	2.73652	8.95779
12/08/23 17:00	3.74622	7.8961	2.73567	6.30363
12/08/23 18:00	3.52933	8.00172	2.73596	5.36362
12/08/23 19:00	4.49124	6.88162	2.97126	5.19773
12/08/23 20:00	4.3784	7.68531	3.964	6.24834
12/08/23 21:00	4.277	7.52499	2.31219	11.1696
12/08/23 22:00	4.16943	5.3862	2.73633	9.12368
12/08/23 23:00	3.31069	4.31751	2.4069	5.97186
13/08/23 00:00	4.11961	4.26446	1.84046	9.95311
13/08/23 01:00	2.27599	3.83391	1.44896	8.10994
13/08/23 02:00	2.46021	3.97621	2.07924	6.11932
13/08/23 03:00	2.40333	3.13769	1.37009	13.16022
13/08/23 04:00	2.45302	3.77917	2.22105	10.34017
13/08/23 05:00	2.45841	3.40618	2.26841	6.58011
13/08/23 06:00	2.13509	3.35293	2.74112	5.5848
13/08/23 07:00	2.35274	4.26156	2.83481	5.03185
13/08/23 08:00	1.97883	3.78006	2.36227	6.08245
13/08/23 09:00	8.3045	3.6203	2.40903	6.52481
13/08/23 10:00	5.46498	4.31393	2.26662	8.23896
13/08/23 11:00	3.05446	4.63522	2.59557	10.72724
13/08/23 12:00	4.28637	5.81212	3.06836	5.36362
13/08/23 13:00	4.1753	8.27265	2.6913	3.81536
13/08/23 14:00	4.28367	7.79204	3.25846	4.4789
13/08/23 15:00	3.42748	8.27576	3.82521	4.70008
13/08/23 16:00	3.63973	8.70178	3.40028	4.75537
13/08/23 17:00	4.28277	5.97633	3.96575	7.74131
13/08/23 18:00	4.11392	5.33507	3.02364	10.22958
13/08/23 19:00	9.6612	7.79626	3.49669	11.72255
13/08/23 20:00	9.17622	9.82988	5.52959	10.56135
13/08/23 21:00	8.79691	11.2746	6.42808	19.18737
13/08/23 22:00	5.22576	9.03064	6.05008	12.2755
13/08/23 23:00	4.10493	4.21987	5.24605	7.74131
14/08/23 00:00	2.13419	5.77021	3.45027	10.0084
14/08/23 01:00	2.63475	3.91343	3.28102	7.00404
14/08/23 02:00	2.13301	6.47769	3.97511	6.26677
14/08/23 03:00	2.5038	3.94737	4.35378	5.30832
14/08/23 04:00	2.55887	4.10872	4.7325	9.40016
14/08/23 05:00	2.77089	5.01836	5.20544	17.19675
14/08/23 06:00	6.50456	6.56752	5.15803	10.22958
14/08/23 07:00	7.47011	9.13003	7.00304	14.26612

14/08/23 08:00	8.92119	9.82235	7.99593	17.52852
14/08/23 09:00	8.01071	10.56769	7.9954	24.27452
14/08/23 10:00	7.05159	7.89789	6.33821	20.23798
14/08/23 11:00	7.65094	8.59085	4.96712	16.07242
14/08/23 12:00	5.93186	7.83983	5.10896	No data
14/08/23 13:00	5.9906	7.57392	3.50024	No data
14/08/23 14:00	4.7176	7.41341	3.5955	No data
14/08/23 15:00	5.72995	5.70311	3.64261	No data
14/08/23 16:00	6.4743	6.98573	4.25685	No data
14/08/23 17:00	6.41004	9.01705	4.06813	13.10063
14/08/23 18:00	4.65518	8.80248	4.21028	13.62656
14/08/23 19:00	4.85249	9.92754	5.06239	11.04469
14/08/23 20:00	6.76614	14.68314	3.64283	10.80563
14/08/23 21:00	9.37181	15.64495	7.19319	12.47906
14/08/23 22:00	14.43356	18.74748	8.66061	13.24406
14/08/23 23:00	11.24049	11.69717	5.06337	10.71
15/08/23 00:00	8.89455	10.36069	3.35983	9.03656
15/08/23 01:00	8.12827	10.88623	4.48558	9.88125
15/08/23 02:00	6.9575	11.3139	5.49651	13.3875
15/08/23 03:00	7.1895	9.97803	4.45385	14.34375
15/08/23 04:00	6.01675	10.9389	5.6387	14.1525
15/08/23 05:00	17.32387	11.95176	11.27747	16.39969
15/08/23 06:00	17.64013	16.85116	21.45252	18.12094
15/08/23 07:00	12.10106	15.12532	16.76012	20.60719
15/08/23 08:00	9.28913	15.91409	8.61867	17.9775
15/08/23 09:00	6.81193	13.89392	3.83526	13.33969
15/08/23 10:00	5.52718	13.42113	3.74067	14.96531
15/08/23 11:00	5.94417	13.89848	4.11874	10.51875
15/08/23 12:00	5.29945	14.8514	4.21412	9.75375
15/08/23 13:00	5.61384	18.22784	3.26683	16.73438
15/08/23 14:00	6.62236	12.46821	3.88291	23.42813
15/08/23 15:00	5.34512	21.5201	4.35735	18.16875
15/08/23 16:00	8.86809	18.90387	5.63626	15.34781
15/08/23 17:00	7.62995	23.65778	6.44125	25.14938
15/08/23 18:00	8.63191	19.34908	8.81094	18.21656
15/08/23 19:00	8.51898	22.87477	10.80184	16.83
15/08/23 20:00	15.16825	26.72737	11.32261	37.15031
15/08/23 21:00	17.34296	35.58773	9.28737	32.65594
15/08/23 22:00	18.99058	35.42378	8.29208	26.67938
15/08/23 23:00	12.3385	21.13288	8.48198	25.38844
16/08/23 00:00	12.55215	13.55393	8.95642	22.51969
16/08/23 01:00	14.38172	18.91388	9.48976	22.22742
16/08/23 02:00	11.74541	No data	9.2998	20.5708
16/08/23 03:00	12.27283	24.4803	8.73039	26.31496
16/08/23 04:00	11.37258	22.98441	9.34742	24.73867
16/08/23 05:00	11.21321	26.40367	10.95811	27.26886
16/08/23 06:00	12.11685	27.52112	14.51238	31.99428
16/08/23 07:00	15.4902	31.32573	13.80016	29.7469
16/08/23 08:00	23.22302	34.58425	10.33671	30.65599
16/08/23 09:00	16.31669	23.48785	8.25225	35.71507
16/08/23 10:00	11.48847	21.29803	5.59712	24.58897
16/08/23 11:00	6.94744	16.83279	3.79453	17.57332
16/08/23 12:00	4.95787	16.72142	4.07895	16.81045
16/08/23 13:00	4.4247	11.1899	3.74708	26.503
16/08/23 14:00	3.83554	16.08513	4.07901	22.20755
16/08/23 15:00	4.15812	13.58697	4.6482	20.39135
16/08/23 16:00	3.77858	7.88681	4.41163	19.00891
16/08/23 17:00	8.52682	8.42163	5.26558	24.072
16/08/23 18:00	9.21266	15.14236	6.64173	22.78364
16/08/23 19:00	8.34733	12.7951	5.6461	18.19947
16/08/23 20:00	11.21321	6.93022	7.35441	13.85107
16/08/23 21:00	11.69037	7.89017	7.25973	16.09791
16/08/23 22:00	8.97908	8.4761	7.02247	14.28238
16/08/23 23:00	6.96033	7.88905	5.31416	12.80182
17/08/23 00:00	7.54758	6.34149	5.83613	11.51209
17/08/23 01:00	6.6348	5.25173	5.13088	11.64377
17/08/23 02:00	6.35468	5.32141	5.44756	11.1349
17/08/23 03:00	6.98901	4.6285	5.98604	9.54411
17/08/23 04:00	5.61286	4.78913	6.27087	9.11454
17/08/23 05:00	5.08277	5.37693	6.0336	10.26006
17/08/23 06:00	6.57125	5.32485	6.84115	13.02689
17/08/23 07:00	7.37734	4.68636	7.22059	16.84091
17/08/23 08:00	6.8945	6.39192	6.98265	18.41409
17/08/23 09:00	5.99633	5.21823	5.74692	17.17127
17/08/23 10:00	5.57615	4.15203	4.51191	14.88175
17/08/23 11:00	4.88808	4.52503	4.1798	12.59166
17/08/23 12:00	4.19595	3.9381	3.22989	11.97097
17/08/23 13:00	3.66342	3.19229	3.0398	12.97413
17/08/23 14:00	3.02666	3.56563	2.80229	14.97664
17/08/23 15:00	3.23918	3.24577	2.99262	13.69059
17/08/23 16:00	3.66342	3.19229	3.08755	12.68972
17/08/23 17:00	4.40766	3.29873	3.2775	10.59087
17/08/23 18:00	4.4028	3.72573	4.08534	10.92568
17/08/23 19:00	4.92885	4.09855	4.18046	9.20924
17/08/23 20:00	8.04758	4.68426	4.32318	12.40614
17/08/23 21:00	8.84313	3.45971	4.22825	9.25761
17/08/23 22:00	3.75793	3.30083	3.42051	8.49354
17/08/23 23:00	2.75391	6.76683	3.1353	6.68107
18/08/23 00:00	2.33048	5.64803	2.61281	5.86979

18/08/23 01:00	1.82894	3.3338	2.34662	5.14811
18/08/23 02:00	1.89924	2.41048	2.53681	3.55823
18/08/23 03:00	1.89902	2.87176	2.75882	3.95684
18/08/23 04:00	2.05722	3.29791	2.94907	4.05165
18/08/23 05:00	2.53247	3.24562	3.3773	5.1483
18/08/23 06:00	3.37818	3.61882	3.80533	7.7216
18/08/23 07:00	4.06701	4.47046	5.85088	11.24419
18/08/23 08:00	6.51723	4.52373	7.99108	16.63055
18/08/23 09:00	8.50116	5.48338	7.56324	21.63503
18/08/23 10:00	6.71954	6.54564	7.5151	24.06249
18/08/23 11:00	6.66416	5.42505	7.32451	20.82012
18/08/23 12:00	6.08543	5.37081	5.42201	19.29665
18/08/23 13:00	5.18168	4.78469	5.32706	18.48842
18/08/23 14:00	4.54227	4.99842	4.28052	18.43653
18/08/23 15:00	3.85807	4.83829	4.94637	18.72543
18/08/23 16:00	5.01818	4.30544	4.75654	14.53539
18/08/23 17:00	5.3306	4.51884	5.18438	14.91823
18/08/23 18:00	6.48938	5.0525	8.22769	15.91942
18/08/23 19:00	6.85718	5.31917	7.56358	13.72964
18/08/23 20:00	6.54145	6.49156	7.80159	15.3501
18/08/23 21:00	5.96139	7.18307	8.56273	15.35058
18/08/23 22:00	6.75304	8.35416	11.32186	17.68676
18/08/23 23:00	6.90991	7.60775	9.18105	15.97015
19/08/23 00:00	7.96389	6.16869	7.04044	11.87072
19/08/23 01:00	7.91677	5.80859	7.68447	12.57357
19/08/23 02:00	3.41844	7.5798	8.19247	20.12502
19/08/23 03:00	2.36514	4.72238	3.57228	22.3634
19/08/23 04:00	1.99739	5.78738	3.19112	11.08221
19/08/23 05:00	2.47073	8.5024	3.38164	12.51482
19/08/23 06:00	3.04811	6.47978	3.33393	11.28551
19/08/23 07:00	5.73982	4.88267	3.76242	6.85695
19/08/23 08:00	7.48536	5.6283	3.71419	6.9976
19/08/23 09:00	4.00717	5.46605	3.09506	5.04506
19/08/23 10:00	4.37853	5.83834	3.42837	7.56988
19/08/23 11:00	5.27061	6.90212	3.04746	5.14112
19/08/23 12:00	6.53662	5.99741	3.38094	5.85342
19/08/23 13:00	5.58633	6.52893	3.524	5.95062
19/08/23 14:00	6.69578	6.95535	3.52375	6.37602
19/08/23 15:00	5.74291	6.68755	5.61896	5.1396
19/08/23 16:00	7.58218	7.0621	3.3326	6.75898
19/08/23 17:00	5.79029	8.28708	3.71348	8.33313
19/08/23 18:00	6.78692	7.96877	4.04795	7.61905
19/08/23 19:00	7.41632	8.66208	5.95289	8.19057
19/08/23 20:00	7.72638	10.3658	6.04855	13.95289
19/08/23 21:00	8.5654	10.10012	4.47706	11.62082
19/08/23 22:00	9.77992	12.06951	7.14446	9.85837
19/08/23 23:00	8.25328	13.29313	5.76321	13.28519
20/08/23 00:00	4.46761	8.82312	7.09682	17.49634
20/08/23 01:00	4.95676	6.30021	6.67675	12.10769
20/08/23 02:00	4.25842	5.87491	6.29516	18.37924
20/08/23 03:00	3.50895	6.42459	4.4352	21.65041
20/08/23 04:00	3.29959	7.11572	4.57832	15.5357
20/08/23 05:00	2.72239	7.06254	4.81676	11.07944
20/08/23 06:00	2.98409	6.10617	3.48132	8.89526
20/08/23 07:00	3.40685	4.29939	2.19357	9.78215
20/08/23 08:00	2.46548	3.87474	2.43187	4.37424
20/08/23 09:00	2.8337	4.671	3.43325	3.94594
20/08/23 10:00	4.09463	4.19163	4.0055	4.896
20/08/23 11:00	3.04637	4.5106	2.52719	4.27934
20/08/23 12:00	3.88049	4.35105	2.33652	4.42137
20/08/23 13:00	3.09503	5.73248	2.38417	6.70521
20/08/23 14:00	3.88307	4.13831	3.19469	3.99354
20/08/23 15:00	4.66705	4.77681	3.29008	7.46691
20/08/23 16:00	4.35191	4.77723	3.05169	5.99174
20/08/23 17:00	4.24834	4.29911	3.43334	6.04094
20/08/23 18:00	6.49709	5.30978	3.24269	6.47083
20/08/23 19:00	7.64377	7.70341	4.00578	8.65803
20/08/23 20:00	13.2474	10.20313	6.1521	12.37324
20/08/23 21:00	10.57625	11.0534	4.76901	17.07976
20/08/23 22:00	8.21876	8.39399	4.19666	18.50875
20/08/23 23:00	9.68611	9.29744	5.19829	18.37293
21/08/23 00:00	6.91028	9.1901	5.86593	17.46713
21/08/23 01:00	6.95417	7.92549	5.92118	17.36346
21/08/23 02:00	6.67519	10.97056	7.13088	11.53209
21/08/23 03:00	6.36256	9.92662	8.45202	10.35798
21/08/23 04:00	5.7892	11.94482	9.64565	10.50335
21/08/23 05:00	6.10206	11.57485	12.60636	10.46017
21/08/23 06:00	9.08173	21.23856	8.73842	18.25048
21/08/23 07:00	9.92088	16.61145	6.78049	23.55139
21/08/23 08:00	8.4664	11.1966	4.87035	19.27509
21/08/23 09:00	6.32279	8.59649	3.8676	9.25502
21/08/23 10:00	6.21652	8.86195	3.34235	7.78469
21/08/23 11:00	5.7976	7.43024	3.67649	6.40873
21/08/23 12:00	5.37891	9.18133	4.05853	7.49854
21/08/23 13:00	5.8482	8.597	3.58109	8.92588
21/08/23 14:00	5.95248	9.18235	4.24961	7.59233
21/08/23 15:00	7.09853	7.85387	4.34506	6.69145
21/08/23 16:00	8.35217	8.91663	5.10909	8.59807
21/08/23 17:00	9.44519	10.72416	4.72716	7.93673

21/08/23 18:00	7.25407	10.77858	6.63732	9.64813
21/08/23 19:00	9.85879	9.55805	7.06714	11.2214
21/08/23 20:00	13.35016	13.06531	6.87617	14.02489
21/08/23 21:00	10.32631	21.67441	6.44648	16.40011
21/08/23 22:00	8.2934	18.21953	7.49701	21.99661
21/08/23 23:00	8.18756	10.56639	5.58695	15.92655
22/08/23 00:00	8.55455	7.74937	5.34815	19.11133
22/08/23 01:00	4.91801	8.13272	3.06034	8.9286
22/08/23 02:00	4.36372	No data	5.73804	7.09189
22/08/23 03:00	3.58476	12.73196	6.0728	7.78083
22/08/23 04:00	3.22091	13.10275	4.49478	14.85124
22/08/23 05:00	6.54624	7.26561	4.16015	11.87368
22/08/23 06:00	7.53359	12.3076	6.02534	17.0882
22/08/23 07:00	10.02953	13.25883	6.31318	15.32492
22/08/23 08:00	7.69311	12.03388	5.30983	12.80592
22/08/23 09:00	5.76925	10.60357	3.69966	7.44148
22/08/23 10:00	4.78167	8.74717	No data	7.49301
22/08/23 11:00	5.61407	12.99227	No data	9.00733
22/08/23 12:00	5.14471	8.80201	No data	6.77971
22/08/23 13:00	6.34029	10.76577	No data	6.92005
22/08/23 14:00	4.98879	10.23497	No data	7.3973
22/08/23 15:00	5.50789	13.20665	No data	8.44438
22/08/23 16:00	7.53455	14.05872	No data	10.43706
22/08/23 17:00	7.43073	14.74802	No data	7.73419
22/08/23 18:00	7.16974	14.48666	No data	12.67536
22/08/23 19:00	9.45547	17.50647	No data	11.87123
22/08/23 20:00	9.71432	17.40154	No data	10.16482
22/08/23 21:00	10.54554	18.94244	No data	10.35424
22/08/23 22:00	12.36389	18.20536	No data	17.52015
22/08/23 23:00	10.90916	16.71432	No data	14.10931
23/08/23 00:00	13.81877	9.65569	No data	12.20568
23/08/23 01:00	7.86525	10.32072	No data	9.87034
23/08/23 02:00	6.67541	13.14983	No data	11.88136
23/08/23 03:00	7.2443	12.19542	No data	15.03606
23/08/23 04:00	9.88378	21.73942	No data	13.42469
23/08/23 05:00	18.78018	15.27308	No data	16.09186
23/08/23 06:00	19.60877	23.54154	No data	25.57624
23/08/23 07:00	17.38285	24.11889	No data	25.21259
23/08/23 08:00	19.09031	22.21293	No data	25.26795
23/08/23 09:00	12.41593	23.26897	No data	28.4434
23/08/23 10:00	9.31106	19.77511	7.30783	21.9591
23/08/23 11:00	7.34441	13.09134	6.39433	15.85389
23/08/23 12:00	3.4136	11.34405	4.61546	13.68137
23/08/23 13:00	4.03482	11.23803	3.94236	13.50517
23/08/23 14:00	4.62116	13.94064	5.09622	12.5583
23/08/23 15:00	No data	8.16306	4.80776	13.54871
23/08/23 16:00	No data	10.28427	5.04814	17.64228
23/08/23 17:00	No data	10.65622	12.54834	25.61482
23/08/23 18:00	No data	13.36266	11.68287	14.70419
23/08/23 19:00	13.81665	13.89504	14.37515	16.27798
23/08/23 20:00	18.94007	22.59659	14.66356	19.03199
23/08/23 21:00	26.28861	35.16997	14.56738	29.74024
23/08/23 22:00	18.73344	35.48813	20.48088	34.16301
23/08/23 23:00	12.26459	31.66574	16.68277	31.13123
24/08/23 00:00	13.81038	23.01663	12.16351	27.76249
24/08/23 01:00	11.24686	19.43052	11.90934	30.28302
24/08/23 02:00	21.321	31.65019	11.46126	26.89692
24/08/23 03:00	14.95545	14.46207	9.55634	25.81853
24/08/23 04:00	11.59169	27.02442	8.45186	18.25188
24/08/23 05:00	24.52652	26.49707	10.66112	25.63935
24/08/23 06:00	12.82816	30.98743	10.70964	36.44547
24/08/23 07:00	22.53951	33.31333	14.50551	37.74695
24/08/23 08:00	20.21695	43.30951	16.13778	27.42211
24/08/23 09:00	15.25666	29.38113	20.74665	24.65563
24/08/23 10:00	8.38007	18.42903	32.84965	19.67196
24/08/23 11:00	8.17352	16.73156	11.81369	10.63205
24/08/23 12:00	7.29428	13.0785	6.77127	11.58374
24/08/23 13:00	5.06917	No data	5.52278	15.08413
24/08/23 14:00	5.06968	No data	4.32215	11.91869
24/08/23 15:00	5.68965	No data	4.08207	17.11554
24/08/23 16:00	8.22556	No data	6.48326	20.62566
24/08/23 17:00	10.29564	No data	8.59622	23.17178
24/08/23 18:00	10.40003	14.72121	7.34763	19.65283
24/08/23 19:00	12.62581	13.66457	7.92379	18.62341
24/08/23 20:00	11.22929	20.2918	9.98866	17.49311
24/08/23 21:00	9.57328	18.48847	7.82763	14.88353
24/08/23 22:00	8.12442	13.98802	6.43492	17.2096
24/08/23 23:00	6.41651	15.63265	6.48294	19.20187
25/08/23 00:00	6.15791	13.40783	6.675	18.634
25/08/23 01:00	8.00345	16.60597	6.07577	12.50101
25/08/23 02:00	11.95357	14.13109	9.59322	10.73351
25/08/23 03:00	7.03774	13.03586	10.93627	16.55616
25/08/23 04:00	12.8331	21.99588	13.14271	19.74534
25/08/23 05:00	8.43418	16.2211	33.04885	18.66498
25/08/23 06:00	11.74657	22.89924	22.49647	24.38709
25/08/23 07:00	15.10738	28.71629	27.63036	22.43033
25/08/23 08:00	14.84436	22.884	15.82991	19.57454
25/08/23 09:00	10.65443	19.8081	6.81179	26.70691
25/08/23 10:00	8.22342	15.09427	5.42056	19.50077

25/08/23 11:00	5.63827	12.76773	4.50927	16.04212
25/08/23 12:00	6.98378	15.04961	4.02954	16.56924
25/08/23 13:00	6.6216	14.30549	3.93353	12.95023
25/08/23 14:00	6.77715	18.33208	4.60505	16.39077
25/08/23 15:00	8.3803	10.91129	4.98884	9.57558
25/08/23 16:00	7.34581	11.17704	5.70844	12.279
25/08/23 17:00	9.82945	12.98027	5.61242	12.95532
25/08/23 18:00	8.69279	12.13333	7.81883	18.21041
25/08/23 19:00	13.55753	11.234	8.44253	20.54193
25/08/23 20:00	11.64263	15.58183	9.49742	18.98916
25/08/23 21:00	12.67837	17.96737	7.72265	25.6211
25/08/23 22:00	15.05696	15.3182	10.50458	26.64833
25/08/23 23:00	17.7995	16.27311	6.95511	26.60475
26/08/23 00:00	15.41921	15.5312	8.77782	38.97728
26/08/23 01:00	8.96945	19.01224	5.87707	30.11
26/08/23 02:00	7.24459	19.57803	5.36605	28.79303
26/08/23 03:00	7.81348	13.46388	5.98887	22.52308
26/08/23 04:00	11.84557	8.90535	5.94098	20.05411
26/08/23 05:00	9.72632	9.85998	11.92984	15.61283
26/08/23 06:00	9.88076	10.44274	13.94251	13.76093
26/08/23 07:00	13.60198	13.77695	9.24779	15.73219
26/08/23 08:00	7.60286	14.57014	8.81657	13.88168
26/08/23 09:00	7.759	11.54854	6.0373	9.68383
26/08/23 10:00	5.6379	9.37692	5.8936	12.13463
26/08/23 11:00	4.60349	8.95387	5.74969	13.26671
26/08/23 12:00	5.12055	15.63228	4.2165	10.85768
26/08/23 13:00	4.34503	25.10974	3.8811	11.14813
26/08/23 14:00	7.29413	30.67353	3.35415	16.43139
26/08/23 15:00	6.62071	14.72919	4.45614	11.05061
26/08/23 16:00	8.22519	17.0029	4.93525	13.22704
26/08/23 17:00	5.43215	12.71719	3.5936	21.58237
26/08/23 18:00	7.39896	19.23516	5.8936	19.33674
26/08/23 19:00	14.33364	30.95277	7.57043	18.49755
26/08/23 20:00	13.66147	28.83409	7.66598	35.57712
26/08/23 21:00	12.73012	18.6558	7.66588	38.53698
26/08/23 22:00	13.19498	20.67001	7.76158	41.75479
26/08/23 23:00	11.6427	15.58394	8.19272	30.4417
27/08/23 00:00	10.65989	14.36485	9.67816	28.50591
27/08/23 01:00	11.79758	11.09617	8.61394	23.86869
27/08/23 02:00	8.84892	10.10756	9.50723	27.47101
27/08/23 03:00	8.95161	7.73973	8.70961	25.36643
27/08/23 04:00	6.10594	8.16196	7.27398	22.9112
27/08/23 05:00	5.74332	7.04937	5.59917	13.84055
27/08/23 06:00	5.38144	7.95108	5.79068	18.64412
27/08/23 07:00	6.05235	11.39407	5.45592	10.34054
27/08/23 08:00	4.397	10.11985	4.92975	7.3656
27/08/23 09:00	4.13751	6.98992	5.36084	12.97052
27/08/23 10:00	3.98285	8.73765	4.8343	8.3467
27/08/23 11:00	3.62097	10.4342	3.30261	8.11011
27/08/23 12:00	5.1218	7.41583	3.63758	7.87047
27/08/23 13:00	3.77622	7.88777	4.7384	8.71914
27/08/23 14:00	3.82827	7.30915	3.01601	6.83367
27/08/23 15:00	4.34547	8.79178	5.9827	6.36048
27/08/23 16:00	5.17296	11.44186	6.17427	9.58002
27/08/23 17:00	4.29402	9.42958	5.6955	10.7107
27/08/23 18:00	4.96707	11.86905	7.46631	11.95431
27/08/23 19:00	7.19225	13.14346	7.94467	10.67825
27/08/23 20:00	12.36764	19.87407	3.73283	12.95485
27/08/23 21:00	12.26437	16.64352	6.69982	11.20561
27/08/23 22:00	9.15928	20.03505	7.80074	13.5139
27/08/23 23:00	7.03781	16.00728	9.95381	13.17848
28/08/23 00:00	6.57191	12.56299	13.44727	8.16887
28/08/23 01:00	6.69274	12.57987	10.64338	8.43744
28/08/23 02:00	5.93383	8.05794	6.88322	10.85948
28/08/23 03:00	6.88263	8.90553	5.5448	13.52756
28/08/23 04:00	7.96924	7.10377	10.8983	15.09945
28/08/23 05:00	7.55517	10.44284	8.0304	14.29349
28/08/23 06:00	7.19269	15.47561	7.17004	16.98208
28/08/23 07:00	10.29682	14.35943	6.97924	15.73388
28/08/23 08:00	10.29528	11.91748	5.88009	9.66573
28/08/23 09:00	6.62123	9.42435	5.21108	7.86632
28/08/23 10:00	5.84586	12.92247	3.3469	8.05419
28/08/23 11:00	4.34532	12.18405	3.05967	7.86384
28/08/23 12:00	5.27698	11.75824	3.29899	7.34999
28/08/23 13:00	6.36403	9.47993	3.77695	12.22424
28/08/23 14:00	7.24297	8.5808	5.30655	8.90559
28/08/23 15:00	5.6393	10.22424	5.02012	7.9136
28/08/23 16:00	6.7265	12.23762	7.07564	10.18
28/08/23 17:00	8.53783	13.08814	6.215	13.54285
28/08/23 18:00	10.71149	16.63883	10.32579	12.17884
28/08/23 19:00	15.57631	25.38172	11.28161	13.74063
28/08/23 20:00	22.56229	20.72468	12.6198	16.42095
28/08/23 21:00	15.1107	16.64214	No data	14.21629
28/08/23 22:00	12.73019	16.05993	No data	13.41052
28/08/23 23:00	12.31634	21.30818	No data	15.91371
29/08/23 00:00	21.26861	14.52501	11.85419	8.9731
29/08/23 01:00	20.00941	9.4712	11.1402	10.49823
29/08/23 02:00	11.38387	9.11675	8.53027	7.9261
29/08/23 03:00	5.58903	9.01194	9.11908	8.96232

29/08/23 04:00	6.1055	13.4126	7.78223	19.17873
29/08/23 05:00	6.05456	18.34291	7.20961	16.26205
29/08/23 06:00	10.86615	22.26254	12.93917	20.81677
29/08/23 07:00	21.21266	26.49634	14.13319	29.54336
29/08/23 08:00	15.88275	24.00348	16.61648	28.44136
29/08/23 09:00	11.01757	17.69428	9.21576	20.35917
29/08/23 10:00	7.08602	14.19688	5.44389	15.34507
29/08/23 11:00	6.77604	12.9267	5.5875	13.20427
29/08/23 12:00	6.72517	16.95383	8.83424	9.92624
29/08/23 13:00	8.48512	18.33116	7.11516	9.22527
29/08/23 14:00	10.9162	12.24047	9.21663	11.91459
29/08/23 15:00	9.62267	11.65826	7.02002	21.83593
29/08/23 16:00	10.60607	14.20331	8.92984	17.88504
29/08/23 17:00	9.72742	25.5361	6.49482	15.44792
29/08/23 18:00	10.29705	27.02975	8.93014	16.78342
29/08/23 19:00	15.42025	24.22244	8.21402	17.54097
29/08/23 20:00	15.67981	23.52455	10.55279	18.0699
29/08/23 21:00	19.30173	18.97576	8.40363	25.81389
29/08/23 22:00	28.87251	20.19558	14.37142	27.92837
29/08/23 23:00	16.97312	30.47826	10.31285	14.39664
30/08/23 00:00	23.85605	15.6921	8.59392	17.41439
30/08/23 01:00	15.04138	12.58183	8.39331	20.93845
30/08/23 02:00	7.38254	14.4201	10.23711	10.43045
30/08/23 03:00	9.0557	12.08747	9.4425	9.35976
30/08/23 04:00	5.95047	12.1392	9.25178	9.23296
30/08/23 05:00	6.88212	12.40412	9.15747	13.75504
30/08/23 06:00	12.46879	20.03111	12.6415	17.61498
30/08/23 07:00	14.22453	27.1643	9.82788	19.23294
30/08/23 08:00	12.67129	27.15879	9.3996	21.45061
30/08/23 09:00	12.20392	19.05857	8.2064	24.0773
30/08/23 10:00	7.24113	13.92783	8.68263	14.46868
30/08/23 11:00	5.94855	16.25328	10.06626	16.14576
30/08/23 12:00	6.4659	14.72497	7.29887	17.51058
30/08/23 13:00	4.75852	16.41583	6.01073	14.03345
30/08/23 14:00	6.15526	15.20022	5.62926	13.5043
30/08/23 15:00	6.20693	14.14074	4.86616	16.08426
30/08/23 16:00	7.81156	17.53007	5.15241	21.08974
30/08/23 17:00	9.67449	17.90507	5.86858	17.30035
30/08/23 18:00	8.12339	21.23836	5.81995	16.42749
30/08/23 19:00	13.71278	20.40133	5.58176	17.43097
30/08/23 20:00	18.1633	26.0764	11.35258	22.06317
30/08/23 21:00	17.59449	31.64158	9.10928	22.95367
30/08/23 22:00	17.80149	34.0849	13.78253	24.16786
30/08/23 23:00	23.39037	27.77671	14.87897	21.21272
31/08/23 00:00	36.06645	16.91091	13.8774	18.57555
31/08/23 01:00	34.56562	14.20729	11.43196	19.64744
31/08/23 02:00	16.50729	13.99558	11.55893	25.42344
31/08/23 03:00	10.91893	18.9786	11.52727	27.13574
31/08/23 04:00	12.67822	16.43364	11.62257	29.28496
31/08/23 05:00	11.79751	22.36849	14.29015	27.67781
31/08/23 06:00	16.29823	27.82028	22.72931	27.39019
31/08/23 07:00	18.05081	31.5521	24.50589	29.93468
31/08/23 08:00	16.44862	36.3402	27.78035	31.35142
31/08/23 09:00	13.86132	37.3199	32.49763	31.94688
31/08/23 10:00	11.12136	18.11577	15.9609	No data
31/08/23 11:00	7.70762	7.78853	8.76613	12.80827
31/08/23 12:00	7.13844	9.37968	7.43183	20.48649
31/08/23 13:00	4.75925	7.57773	8.38529	15.75706
31/08/23 14:00	6.41548	5.67085	6.05042	14.92254
31/08/23 15:00	9.26116	9.38133	5.81201	12.3225
31/08/23 16:00	7.45056	8.05749	7.95521	17.75122
31/08/23 17:00	11.28037	10.01941	11.14685	17.08358
31/08/23 18:00	9.93524	9.59516	18.38659	20.46286
31/08/23 19:00	11.12557	9.75495	19.19623	25.10459
31/08/23 20:00	9.26292	11.61075	15.14732	19.07012
31/08/23 21:00	9.1076	12.98917	13.05154	24.18898
31/08/23 22:00	9.05622	11.02762	15.43293	19.99488
31/08/23 23:00	13.5579	7.95236	15.67117	19.70027
01/09/23 00:00	8.12457	7.10423	14.86145	16.33574
01/09/23 01:00	9.45304	8.12913	11.41859	14.50898
01/09/23 02:00	9.21117	8.48247	10.72069	10.86399
01/09/23 03:00	7.65874	6.89187	9.13478	13.12601
01/09/23 04:00	6.05448	6.94471	7.18422	12.34297
01/09/23 05:00	6.52053	7.52756	9.89616	15.69451
01/09/23 06:00	9.26241	8.26975	12.79845	18.79967
01/09/23 07:00	9.20845	8.268	14.70354	21.84676
01/09/23 08:00	9.25887	9.80513	11.89684	25.9651
01/09/23 09:00	12.31014	8.85067	11.27806	22.97289
01/09/23 10:00	10.80976	6.35864	9.18402	23.5869
01/09/23 11:00	6.46635	6.67658	10.18372	19.68895
01/09/23 12:00	6.7251	7.20586	5.94814	15.30247
01/09/23 13:00	7.50084	12.28991	7.06063	15.59949
01/09/23 14:00	6.25898	17.37864	6.23491	18.12426
01/09/23 15:00	5.89805	22.51166	6.13888	17.1811
01/09/23 16:00	5.8982	16.00204	5.28239	19.63964
01/09/23 17:00	6.62219	18.1245	7.4721	21.30028
01/09/23 18:00	8.84811	20.93557	8.42303	15.70798
01/09/23 19:00	12.47078	42.88237	11.75359	12.05105
01/09/23 20:00	16.09388	34.88121	13.84886	10.59446

01/09/23 21:00	21.47554	20.1422	13.79903	11.20643
01/09/23 22:00	19.8715	10.22883	7.04157	9.32428
01/09/23 23:00	11.69519	15.15886	6.51835	9.08605
02/09/23 00:00	12.5198	11.97821	5.89973	9.55136
02/09/23 01:00	14.13789	11.30715	6.58992	8.17011
02/09/23 02:00	9.24555	6.42943	6.78001	8.1589
02/09/23 03:00	6.05463	5.9343	5.37	7.67962
02/09/23 04:00	4.96802	5.29851	5.46517	6.50442
02/09/23 05:00	5.89938	3.92009	5.32256	8.06276
02/09/23 06:00	5.01948	3.97393	4.89496	11.21824
02/09/23 07:00	6.9335	9.69964	6.08316	11.31308
02/09/23 08:00	8.58966	8.42706	6.4162	15.2134
02/09/23 09:00	8.01974	7.95034	6.41629	17.51448
02/09/23 10:00	8.89935	5.82927	6.03586	14.59127
02/09/23 11:00	6.2606	4.60824	6.13103	13.45782
02/09/23 12:00	4.60474	2.70053	4.2775	15.94521
02/09/23 13:00	4.50131	2.64678	5.51374	12.17559
02/09/23 14:00	3.1561	2.43387	4.41984	15.38206
02/09/23 15:00	4.19096	2.22161	4.22976	10.92153
02/09/23 16:00	4.29453	2.06227	4.03959	14.55625
02/09/23 17:00	5.27771	2.75107	4.03976	20.4562
02/09/23 18:00	8.33098	4.44753	3.99211	24.24276
02/09/23 19:00	14.2308	8.63584	5.18005	29.45811
02/09/23 20:00	11.12601	8.42357	9.69436	35.60293
02/09/23 21:00	12.21254	7.30988	14.4472	17.73444
02/09/23 22:00	12.21291	9.16384	14.21043	24.04539
02/09/23 23:00	9.88393	9.80173	10.78852	20.32802
03/09/23 00:00	10.09115	19.44972	13.1167	34.20989
03/09/23 01:00	8.41774	11.86939	9.43055	31.42565
03/09/23 02:00	9.52155	19.99839	7.59496	42.75368
03/09/23 03:00	9.47	15.95205	7.07305	38.36276
03/09/23 04:00	8.84892	16.0569	8.21371	34.79996
03/09/23 05:00	7.24445	18.76193	7.64412	28.29227
03/09/23 06:00	7.7615	13.19593	6.78984	26.69653
03/09/23 07:00	7.81016	20.49874	7.41121	23.28353
03/09/23 08:00	7.80706	12.39769	7.74226	23.66201
03/09/23 09:00	10.91171	11.70816	11.2547	19.39875
03/09/23 10:00	9.41567	13.93463	10.4453	23.0244
03/09/23 11:00	5.17377	7.94658	6.02915	15.50662
03/09/23 12:00	3.82878	7.89328	7.21679	13.62276
03/09/23 13:00	4.55321	6.67456	6.69395	9.89887
03/09/23 14:00	5.95069	5.8799	6.98009	8.34077
03/09/23 15:00	6.20944	7.94548	6.93114	9.38114
03/09/23 16:00	4.91568	6.88609	6.59845	11.04048
03/09/23 17:00	4.55358	6.51595	5.5065	9.20499
03/09/23 18:00	4.3984	8.58364	5.74374	10.33719
03/09/23 19:00	8.48667	13.09035	8.44912	17.18329
03/09/23 20:00	17.18079	21.57319	15.14153	46.266
03/09/23 21:00	17.90514	10.01509	27.95957	45.12966
03/09/23 22:00	12.73027	7.68185	17.46916	53.31818
03/09/23 23:00	9.3149	9.85447	12.2939	43.12346
04/09/23 00:00	7.45196	12.39861	10.39529	28.27553
04/09/23 01:00	7.38264	14.34219	9.356	15.8712
04/09/23 02:00	8.12457	11.30286	8.09181	13.09782
04/09/23 03:00	8.07289	8.9523	7.68079	13.88126
04/09/23 04:00	8.27974	10.8614	7.9181	18.31663
04/09/23 05:00	9.36657	17.75327	8.15645	29.08237
04/09/23 06:00	11.12497	26.64906	10.00897	36.02835
04/09/23 07:00	15.31269	58.39228	12.20132	49.05228
04/09/23 08:00	10.03535	32.3182	20.75278	56.68263
04/09/23 09:00	8.48409	9.48379	18.16625	36.23589
04/09/23 10:00	7.39822	7.52223	12.66199	25.5111
04/09/23 11:00	5.63974	No data	9.00956	12.6913
04/09/23 12:00	4.86386	No data	7.34955	17.52845
04/09/23 13:00	4.96714	No data	7.1125	16.32148
04/09/23 14:00	6.20929	No data	5.2631	19.42508
04/09/23 15:00	5.17451	7.11855	4.50429	19.01664
04/09/23 16:00	5.74361	7.05488	5.02559	20.47723
04/09/23 17:00	6.72679	6.46369	5.0731	21.1486
04/09/23 18:00	6.83066	7.49347	6.16352	25.63156
04/09/23 19:00	11.85044	11.32106	10.19335	21.30503
04/09/23 20:00	9.47007	14.01628	12.99042	20.4579
04/09/23 21:00	8.79739	9.21348	9.2451	18.56659
04/09/23 22:00	9.6254	8.08652	9.10282	17.43121
04/09/23 23:00	9.78065	8.037	11.09392	14.31431
05/09/23 00:00	15.62489	7.93931	10.38293	12.09247
05/09/23 01:00	10.14285	7.64472	8.33447	10.01869
05/09/23 02:00	9.57357	50.89857	7.57673	7.31062
05/09/23 03:00	8.22814	41.40863	7.62407	6.38098
05/09/23 04:00	9.15957	23.57084	7.00863	6.85219
05/09/23 05:00	11.74708	14.89734	6.58239	11.38898
05/09/23 06:00	14.95523	47.27221	13.97187	16.72804
05/09/23 07:00	19.04121	62.82289	12.78656	28.63119
05/09/23 08:00	21.52043	38.23473	11.50924	23.27627
05/09/23 09:00	12.62345	34.99194	9.85151	23.80227
05/09/23 10:00	9.05408	8.96134	9.33005	19.78082
05/09/23 11:00	8.17521	6.80914	8.19344	18.26567
05/09/23 12:00	6.9338	6.95685	6.72484	17.65604
05/09/23 13:00	6.62315	6.41788	6.2986	18.0837

05/09/23 14:00	6.51987	5.634	6.15637	18.3271
05/09/23 15:00	7.19233	6.02611	6.25113	18.51628
05/09/23 16:00	7.2443	5.73236	6.62997	16.39323
05/09/23 17:00	10.24566	7.83977	6.34584	16.77216
05/09/23 18:00	10.24559	8.08567	6.6298	15.07706
05/09/23 19:00	12.10934	8.62549	8.61861	16.44946
05/09/23 20:00	11.02273	11.27171	9.84988	15.08081
05/09/23 21:00	11.48848	14.60444	7.43459	11.43887
05/09/23 22:00	9.57357	16.90806	8.05064	9.59381
05/09/23 23:00	9.21147	21.26923	6.44021	8.08011
06/09/23 00:00	9.15972	25.77795	6.81905	8.08184
06/09/23 01:00	9.93585	34.63021	6.93727	10.5254
06/09/23 02:00	9.78058	22.01925	6.68509	10.65616
06/09/23 03:00	10.55683	17.4942	6.90588	10.30823
06/09/23 04:00	10.66033	14.74929	6.8111	9.35811
06/09/23 05:00	10.45326	18.37593	7.99368	9.78915
06/09/23 06:00	8.64185	26.59972	11.11858	12.72987
06/09/23 07:00	10.7625	29.72377	15.90098	18.18614
06/09/23 08:00	15.72817	39.66689	12.63364	23.80896
06/09/23 09:00	12.31236	22.52303	11.82957	24.06502
06/09/23 10:00	11.84616	20.26034	12.77409	22.50558
06/09/23 11:00	11.95091	13.4613	14.00337	23.15318
06/09/23 12:00	10.08931	12.09533	9.83953	20.31077
06/09/23 13:00	8.22696	11.411	9.79169	22.21467
06/09/23 14:00	6.93394	9.11125	9.12939	26.61615
06/09/23 15:00	6.62337	7.64287	9.12897	26.00462
06/09/23 16:00	6.98599	6.27168	9.65009	25.72142
06/09/23 17:00	11.59146	6.32086	10.78508	28.70396
06/09/23 18:00	20.59593	11.56528	13.00744	22.51596
06/09/23 19:00	24.78829	40.37969	13.66926	30.60713
06/09/23 20:00	22.51121	57.28624	12.91272	29.42602
06/09/23 21:00	22.04553	15.14291	12.86524	27.15161
06/09/23 22:00	31.82552	27.58976	13.00732	16.83531
06/09/23 23:00	14.8005	14.6041	11.44635	13.19735
07/09/23 00:00	11.69548	23.12921	9.50705	12.91463
07/09/23 01:00	13.86897	29.46972	8.94473	14.328
07/09/23 02:00	14.74786	34.82716	8.56688	9.08652
07/09/23 03:00	11.90248	46.06658	8.59833	7.00449
07/09/23 04:00	17.07736	44.05333	9.07095	9.55802
07/09/23 05:00	16.40483	39.44507	10.39375	9.32147
07/09/23 06:00	17.69829	51.88703	15.4062	13.81878
07/09/23 07:00	21.11218	32.42523	15.49946	26.12093
07/09/23 08:00	21.31668	37.25901	11.81226	29.05447
07/09/23 09:00	19.81563	20.71729	10.77234	29.09621
07/09/23 10:00	9.26211	8.37639	10.63061	30.52959
07/09/23 11:00	6.57169	8.72049	9.40191	23.26686
07/09/23 12:00	5.95106	5.4878	8.45712	22.98817
07/09/23 13:00	6.83088	5.9776	6.89765	23.27648
07/09/23 14:00	6.98599	7.0062	6.33119	25.36132
07/09/23 15:00	7.34831	6.81099	6.94489	26.69135
07/09/23 16:00	8.22799	7.79126	6.56701	29.48464
07/09/23 17:00	12.83266	8.1837	6.99201	35.63721
07/09/23 18:00	14.28277	17.93667	8.97627	23.09951
07/09/23 19:00	41.60638	20.82862	28.39328	23.67033
07/09/23 20:00	39.17442	9.84982	10.96008	16.47383
07/09/23 21:00	53.35384	27.34536	15.11791	17.80005
07/09/23 22:00	33.74108	39.20691	13.79498	18.4132
07/09/23 23:00	24.16729	40.43022	12.56705	13.58403
08/09/23 00:00	19.30269	44.84276	10.77118	11.16554
08/09/23 01:00	19.73399	24.04581	10.63276	11.1762
08/09/23 02:00	19.87199	33.71596	9.94114	10.54385
08/09/23 03:00	21.3208	25.48235	9.20158	14.20678
08/09/23 04:00	19.35452	18.81672	9.01283	21.26216
08/09/23 05:00	14.3346	21.26654	10.52612	18.61208
08/09/23 06:00	16.50781	37.08502	12.31985	19.46349
08/09/23 07:00	20.69803	60.30603	20.12711	31.86188
08/09/23 08:00	22.97357	65.12297	19.68882	42.86124
08/09/23 09:00	18.41903	56.63879	24.21557	49.11307
08/09/23 10:00	14.69442	50.46161	25.62974	49.91616
08/09/23 11:00	16.1951	38.69438	21.89879	50.77117
08/09/23 12:00	23.0767	51.57931	15.66843	43.87921
08/09/23 13:00	20.64577	53.39398	17.93279	30.29838
08/09/23 14:00	13.97176	35.12719	10.75896	21.82867
08/09/23 15:00	10.14261	23.71468	10.57145	23.96432
08/09/23 16:00	15.98928	22.63672	8.30543	32.63231
08/09/23 17:00	18.93926	23.3736	20.19874	28.18151
08/09/23 18:00	20.69951	47.43575	22.69987	34.33732
08/09/23 19:00	18.52651	48.86168	24.44312	46.55482
08/09/23 20:00	35.03447	60.42578	31.47395	64.40413
08/09/23 21:00	34.20654	71.20281	28.73936	78.49251
08/09/23 22:00	28.15213	85.2174	20.99839	78.78868
08/09/23 23:00	36.5353	99.28388	16.23275	81.04022
09/09/23 00:00	28.72153	58.80262	14.53463	68.2234
09/09/23 01:00	26.28745	59.5833	13.51135	54.70787
09/09/23 02:00	33.5332	43.37759	13.57429	54.48958
09/09/23 03:00	32.49783	26.60494	14.13963	46.04468
09/09/23 04:00	21.88961	21.3617	12.20847	41.85103
09/09/23 05:00	15.52441	23.76268	12.20884	36.94469
09/09/23 06:00	14.17817	25.67352	11.88044	36.73145

09/09/23 07:00	20.99843	28.7046	15.35266	33.87811
09/09/23 08:00	21.46588	35.8319	19.43541	45.09333
09/09/23 09:00	17.5381	37.50408	25.7418	44.70772
09/09/23 10:00	14.021	26.69034	18.76195	40.51573
09/09/23 11:00	10.91746	16.21447	9.66322	21.46494
09/09/23 12:00	13.14242	11.02361	7.21194	14.16932
09/09/23 13:00	12.67652	6.85967	6.55202	17.10664
09/09/23 14:00	9.41692	9.79356	6.83554	11.61068
09/09/23 15:00	11.53846	9.35783	5.93946	14.64305
09/09/23 16:00	14.48837	10.04519	8.10839	26.81452
09/09/23 17:00	15.26477	13.57432	7.11804	17.96391
09/09/23 18:00	23.38927	16.61382	11.54746	46.06888
09/09/23 19:00	27.53032	47.83224	18.75867	52.70644
09/09/23 20:00	54.12884	51.70328	36.81744	79.66509
09/09/23 21:00	37.05207	64.68691	27.80896	67.29555
09/09/23 22:00	24.73625	61.93762	22.57801	29.33328
09/09/23 23:00	26.80552	69.65628	12.44449	24.02369
10/09/23 00:00	41.34667	59.53512	18.38177	21.32452
10/09/23 01:00	15.59368	35.47775	12.74221	24.72366
10/09/23 02:00	14.28238	No data	9.72904	34.71093
10/09/23 03:00	12.26429	27.87912	9.32089	22.24112
10/09/23 04:00	14.95545	35.96799	8.89729	34.21318
10/09/23 05:00	15.83506	15.18889	9.41582	22.14597
10/09/23 06:00	24.68258	20.72453	10.87625	25.37006
10/09/23 07:00	26.79984	27.82758	11.06525	14.32073
10/09/23 08:00	20.64053	22.33371	11.82254	13.37236
10/09/23 09:00	15.00388	29.67375	13.70242	12.09182
10/09/23 10:00	12.83214	25.71108	15.63146	13.65663
10/09/23 11:00	11.22818	11.65943	11.34724	13.70489
10/09/23 12:00	13.29849	7.10524	9.0869	17.02536
10/09/23 13:00	30.84064	7.93762	5.50774	15.64782
10/09/23 14:00	17.33456	22.49019	8.94444	19.254
10/09/23 15:00	17.33331	33.30831	10.45203	30.16302
10/09/23 16:00	9.41736	20.08803	13.08782	30.68487
10/09/23 17:00	12.88441	12.93614	10.45087	24.61371
10/09/23 18:00	13.03988	14.16231	11.91023	21.91161
10/09/23 19:00	12.10904	16.27022	12.66421	32.96232
10/09/23 20:00	14.64466	15.53485	11.43954	28.3626
10/09/23 21:00	12.78165	14.84866	9.83858	27.93205
10/09/23 22:00	9.78021	12.7416	9.36782	17.78364
10/09/23 23:00	9.72838	11.90837	11.01563	17.16472
11/09/23 00:00	7.34802	13.62249	9.9798	17.58883
11/09/23 01:00	6.14034	7.18525	6.9588	17.14811
11/09/23 02:00	7.70968	8.23041	5.45393	16.13484
11/09/23 03:00	4.1395	9.1611	5.4071	12.43349
11/09/23 04:00	3.67368	6.02611	5.4071	11.20048
11/09/23 05:00	6.83	9.16262	4.89012	9.77677
11/09/23 06:00	7.03737	14.74912	7.61754	11.626
11/09/23 07:00	18.52401	19.15594	11.0052	19.07885
11/09/23 08:00	19.81474	17.33638	10.20667	19.69494
11/09/23 09:00	10.08828	13.31746	7.19761	14.85384
11/09/23 10:00	7.96762	12.29172	5.50422	11.81632
11/09/23 11:00	7.03575	11.36097	4.84488	10.96232
11/09/23 12:00	6.77744	11.21646	5.26904	12.05401
11/09/23 13:00	6.46672	16.84608	4.89207	8.92196
11/09/23 14:00	6.41533	14.44864	5.69133	10.48818
11/09/23 15:00	6.72576	17.38708	5.73851	10.25064
11/09/23 16:00	9.00255	18.7096	8.04389	10.0133
11/09/23 17:00	10.81352	14.93574	6.39672	30.84503
11/09/23 18:00	12.57325	21.40431	6.82079	25.57992
11/09/23 19:00	12.83303	14.14698	12.08765	16.60986
11/09/23 20:00	14.33371	15.90961	16.45867	17.55798
11/09/23 21:00	10.60784	18.32355	11.66235	18.03222
11/09/23 22:00	18.16316	18.85967	9.87533	15.56432
11/09/23 23:00	14.38576	16.25809	20.73663	16.37029
12/09/23 00:00	16.5589	11.75729	24.26324	17.36672
12/09/23 01:00	8.00335	9.9922	16.71991	12.98409
12/09/23 02:00	10.27997	16.6562	9.76901	12.79275
12/09/23 03:00	8.22755	14.84361	14.93701	9.92658
12/09/23 04:00	12.72754	19.93021	10.70822	9.78463
12/09/23 05:00	15.21089	19.98512	11.08411	12.30276
12/09/23 06:00	13.55701	19.15173	12.91667	14.62966
12/09/23 07:00	19.09134	20.72167	19.59658	20.90147
12/09/23 08:00	21.41627	29.29276	18.05042	27.56254
12/09/23 09:00	18.8278	29.39651	15.97774	29.08711
12/09/23 10:00	No data	20.61353	11.27709	22.94476
12/09/23 11:00	No data	23.2018	8.50531	20.09324
12/09/23 12:00	No data	25.14263	6.58095	19.90341
12/09/23 13:00	No data	34.34314	5.68709	16.91083
12/09/23 14:00	No data	50.14445	6.43878	15.72321
12/09/23 15:00	No data	50.29402	7.75626	14.86785
12/09/23 16:00	14.22509	48.73132	7.70683	16.38827
12/09/23 17:00	13.38754	49.42273	6.48429	15.01019
12/09/23 18:00	10.64729	44.28088	7.42342	10.49772
12/09/23 19:00	10.28858	41.14976	5.63859	8.93017
12/09/23 20:00	6.87323	38.50641	4.65122	9.64227
12/09/23 21:00	4.91929	46.54307	3.61731	11.54213
12/09/23 22:00	6.04191	29.54069	2.67759	12.11161
12/09/23 23:00	6.82199	13.71664	2.44276	10.16427

13/09/23 00:00	9.26099	17.97995	3.00634	10.59158
13/09/23 01:00	9.5527	19.66549	2.87745	10.58406
13/09/23 02:00	7.79917	8.29823	4.12836	13.3087
13/09/23 03:00	8.24087	8.86888	4.36327	12.45313
13/09/23 04:00	8.9222	10.63335	4.73872	12.50078
13/09/23 05:00	10.62863	20.37167	6.85231	14.64348
13/09/23 06:00	14.83775	32.03902	7.84071	22.29717
13/09/23 07:00	20.84787	48.92636	10.00578	29.24877
13/09/23 08:00	24.03676	34.0521	11.13679	32.53569
13/09/23 09:00	15.07689	28.99244	10.70986	21.07053
13/09/23 10:00	13.29433	23.38438	6.75921	19.9756
13/09/23 11:00	9.21801	8.27095	4.59888	16.02714
13/09/23 12:00	6.14293	5.09148	4.55233	16.88072
13/09/23 13:00	4.07156	9.98759	3.51935	17.49912
13/09/23 14:00	4.01535	5.23937	4.31761	13.60046
13/09/23 15:00	3.91535	3.42958	4.12988	10.50627
13/09/23 16:00	5.14169	4.5072	4.55171	23.64681
13/09/23 17:00	6.51306	5.19355	4.83325	18.49481
13/09/23 18:00	8.26824	7.59588	7.60134	16.40052
13/09/23 19:00	12.53755	13.5755	14.87324	25.00016
13/09/23 20:00	17.7531	8.23356	23.97343	18.82092
13/09/23 21:00	17.63421	7.05724	22.47377	19.43938
13/09/23 22:00	14.79646	7.44934	20.68899	17.01707
13/09/23 23:00	13.60518	9.11563	21.21357	21.24805
14/09/23 00:00	17.70186	8.82155	20.03906	21.8705
14/09/23 01:00	12.80802	9.86666	32.99311	10.15677
14/09/23 02:00	8.19585	16.20369	15.49377	17.45321
14/09/23 03:00	7.46079	14.89683	14.10356	16.1743
14/09/23 04:00	8.45206	13.62165	11.71432	20.36015
14/09/23 05:00	20.4593	12.24877	12.74481	16.74155
14/09/23 06:00	13.92882	15.9246	19.30664	19.07205
14/09/23 07:00	18.85536	23.60991	17.57531	25.445
14/09/23 08:00	19.06531	22.96364	15.5161	25.21854
14/09/23 09:00	20.14019	19.6806	11.34744	24.55748
14/09/23 10:00	15.70742	15.66808	6.14062	23.27443
14/09/23 11:00	13.65598	15.32465	6.23498	17.84836
14/09/23 12:00	14.18749	17.57741	6.80059	23.76613
14/09/23 13:00	16.66239	19.97249	6.04719	19.94499
14/09/23 14:00	13.72238	16.3034	5.90673	16.84706
14/09/23 15:00	10.44209	15.08143	7.45345	13.70223
14/09/23 16:00	11.54706	16.55032	9.61106	20.55227
14/09/23 17:00	13.69375	16.65457	8.48788	22.12984
14/09/23 18:00	14.66513	15.72568	10.69262	23.68841
14/09/23 19:00	16.35414	20.53084	11.85628	30.06232
14/09/23 20:00	16.68422	15.33795	17.62085	39.15743
14/09/23 21:00	14.78277	17.83561	22.45519	31.30426
14/09/23 22:00	19.87446	19.35367	18.18778	24.97854
14/09/23 23:00	14.48775	14.11161	22.74558	27.59455
15/09/23 00:00	17.16804	8.13401	18.9973	28.64168
15/09/23 01:00	13.9798	6.99054	19.48291	22.40913
15/09/23 02:00	10.92779	12.86921	11.61448	21.42485
15/09/23 03:00	9.22219	14.4542	10.69563	12.62664
15/09/23 04:00	9.12593	12.64071	24.86806	18.5529
15/09/23 05:00	10.4948	12.98363	23.17004	18.54457
15/09/23 06:00	16.89146	19.73753	24.59382	29.13319
15/09/23 07:00	13.10247	21.23925	23.64877	30.67933
15/09/23 08:00	11.81968	21.47219	20.7517	24.10414
15/09/23 09:00	9.64312	20.1997	18.2723	29.02055
15/09/23 10:00	7.7618	13.7958	13.44067	22.93855
15/09/23 11:00	5.44915	10.1823	9.17757	19.63837
15/09/23 12:00	6.12924	9.15672	6.97631	16.77305
15/09/23 13:00	6.51928	5.87654	5.71159	14.33682
15/09/23 14:00	6.41306	9.94262	6.08519	12.95362
15/09/23 15:00	9.88339	7.29809	6.74056	18.38444
15/09/23 16:00	5.81929	9.89613	11.04616	21.00144
15/09/23 17:00	7.867	14.84698	10.67109	20.19037
15/09/23 18:00	26.75641	34.10178	20.59303	24.08648
15/09/23 19:00	50.99395	52.43275	17.97303	48.49888
15/09/23 20:00	51.83025	54.78589	17.03903	29.98261
15/09/23 21:00	37.88627	29.01114	15.67778	23.98648
15/09/23 22:00	40.1022	19.06313	14.97533	24.55906
15/09/23 23:00	50.96488	16.17135	12.16765	25.42285
16/09/23 00:00	41.32922	48.34713	15.11601	21.70781
16/09/23 01:00	34.34355	52.84203	17.51345	17.28645
16/09/23 02:00	32.07072	43.89186	9.66034	19.39746
16/09/23 03:00	30.86926	51.4508	8.835	17.4463
16/09/23 04:00	27.12405	29.49891	8.60241	14.59179
16/09/23 05:00	20.53339	55.32015	9.35111	13.49259
16/09/23 06:00	15.75912	37.62468	12.63387	12.10698
16/09/23 07:00	16.66782	39.77536	12.58549	14.73226
16/09/23 08:00	12.7199	32.0375	11.65116	16.26049
16/09/23 09:00	10.72093	19.29994	9.6337	15.78737
16/09/23 10:00	10.9784	20.51989	8.60415	15.78757
16/09/23 11:00	9.65454	17.47786	8.41656	17.3636
16/09/23 12:00	8.85206	17.67779	7.80912	15.50233
16/09/23 13:00	9.68588	16.8508	5.56345	17.2243
16/09/23 14:00	12.22364	24.3473	4.86191	14.97966
16/09/23 15:00	11.05102	23.66533	5.04888	17.0247
16/09/23 16:00	10.94231	17.24644	No data	18.30826

16/09/23 17:00	7.37074	9.60357	4.58115	16.40936
16/09/23 18:00	8.8334	9.89849	3.78663	12.39436
16/09/23 19:00	6.0056	No data	3.97371	10.6289
16/09/23 20:00	8.58962	No data	4.301	9.63057
16/09/23 21:00	4.83423	No data	4.25406	9.5293
16/09/23 22:00	4.25663	No data	4.02014	9.05423
16/09/23 23:00	3.81037	No data	4.11383	8.29002
17/09/23 00:00	3.80788	No data	4.34775	7.81886
17/09/23 01:00	3.96874	No data	4.31762	7.25134
17/09/23 02:00	4.34419	No data	3.94252	6.10401
17/09/23 03:00	4.92925	No data	3.52	5.43946
17/09/23 04:00	5.90435	No data	3.66066	6.24683
17/09/23 05:00	3.66037	No data	4.4584	4.91048
17/09/23 06:00	2.98153	No data	4.31751	4.76662
17/09/23 07:00	4.15166	No data	3.84837	6.24515
17/09/23 08:00	4.40663	No data	4.0363	9.87122
17/09/23 09:00	6.43421	No data	4.83415	12.73134
17/09/23 10:00	4.20788	No data	5.49179	9.72904
17/09/23 11:00	3.71535	No data	5.8672	10.87175
17/09/23 12:00	4.30165	No data	7.23044	12.49796
17/09/23 13:00	6.11182	No data	5.35044	10.77576
17/09/23 14:00	6.35062	No data	5.82084	12.49174
17/09/23 15:00	5.80933	No data	7.6055	11.86988
17/09/23 16:00	6.88443	No data	7.74411	12.919
17/09/23 17:00	6.24564	No data	6.33611	13.29814
17/09/23 18:00	9.02966	No data	9.47934	13.15405
17/09/23 19:00	7.22323	No data	9.85474	16.87108
17/09/23 20:00	8.43838	No data	10.51205	15.25037
17/09/23 21:00	9.75477	No data	10.65294	16.77701
17/09/23 22:00	9.2197	No data	8.77579	15.82507
17/09/23 23:00	9.07468	No data	7.97771	12.10637
18/09/23 00:00	9.07219	No data	9.10393	13.91498
18/09/23 01:00	7.67745	No data	7.85203	15.4512
18/09/23 02:00	6.69737	No data	7.97715	19.5973
18/09/23 03:00	2.83153	No data	6.69013	16.19445
18/09/23 04:00	4.30165	No data	5.88902	12.50501
18/09/23 05:00	19.3894	No data	5.88928	8.10746
18/09/23 06:00	13.57509	No data	7.58647	15.93263
18/09/23 07:00	18.52176	No data	12.86547	22.07947
18/09/23 08:00	21.74413	No data	10.8903	24.97058
18/09/23 09:00	15.25471	No data	8.1096	15.51813
18/09/23 10:00	10.29956	10.86882	5.84596	10.31941
18/09/23 11:00	12.96243	8.51989	5.65626	11.41079
18/09/23 12:00	11.91843	11.85195	6.78726	11.40626
18/09/23 13:00	7.37425	17.28063	6.22296	17.43307
18/09/23 14:00	6.44168	17.20905	4.99888	12.95238
18/09/23 15:00	6.34293	20.29099	4.99938	14.81144
18/09/23 16:00	8.35184	17.93953	5.94397	11.90157
18/09/23 17:00	10.37547	19.46147	5.51809	11.12653
18/09/23 18:00	7.01181	14.29857	5.98906	13.69087
18/09/23 19:00	6.44937	15.28203	6.93288	10.92143
18/09/23 20:00	7.87945	11.85633	5.18466	8.58917
18/09/23 21:00	8.79459	11.41369	5.18454	9.89499
18/09/23 22:00	9.09708	7.74123	6.40849	11.30442
18/09/23 23:00	8.6058	5.24274	4.28769	11.98471
19/09/23 00:00	4.66036	3.38091	4.94823	6.87139
19/09/23 01:00	2.6686	3.46248	3.27969	5.41655
19/09/23 02:00	3.58368	2.74474	5.04602	8.34323
19/09/23 03:00	3.42406	1.96053	5.72337	7.64139
19/09/23 04:00	5.23547	5.29259	5.01426	9.93243
19/09/23 05:00	6.60684	8.52662	3.59479	12.02879
19/09/23 06:00	6.46679	7.69222	5.7242	13.45979
19/09/23 07:00	11.97466	8.81565	5.29899	11.55746
19/09/23 08:00	8.67446	11.65371	5.34795	11.12728
19/09/23 09:00	6.92425	8.96101	4.02583	10.84703
19/09/23 10:00	5.19418	5.58297	3.45555	7.74659
19/09/23 11:00	5.10538	5.48325	3.5027	10.27607
19/09/23 12:00	5.34791	5.82668	4.11848	10.46749
19/09/23 13:00	6.37426	6.95298	4.02375	8.98356
19/09/23 14:00	6.08297	7.00199	4.02348	9.55779
19/09/23 15:00	6.13173	8.12677	4.45105	10.70299
19/09/23 16:00	6.68048	10.82216	5.25586	11.43272
19/09/23 17:00	6.71555	9.79339	5.01884	8.11828
19/09/23 18:00	5.928	7.88575	5.96691	9.21251
19/09/23 19:00	4.83423	6.31867	4.82981	12.69578
19/09/23 20:00	4.35539	5.7802	3.0761	11.21415
19/09/23 21:00	4.16037	3.47742	2.7463	8.17743
19/09/23 22:00	4.46036	3.13483	3.02839	13.74232
19/09/23 23:00	2.64025	2.25326	2.74394	6.31133
20/09/23 00:00	2.84149	1.42021	2.64922	3.92098
20/09/23 01:00	1.49682	1.76313	2.08995	2.86849
20/09/23 02:00	1.22386	1.82848	2.27965	2.23374
20/09/23 03:00	1.56763	1.71428	2.46966	2.29674
20/09/23 04:00	1.80643	3.13567	2.18435	3.65362
20/09/23 05:00	3.67033	3.72417	2.61209	4.49174
20/09/23 06:00	4.15539	5.48797	3.18195	6.5551
20/09/23 07:00	8.76202	9.0144	4.03742	8.45562
20/09/23 08:00	9.58588	10.97392	4.65506	16.78331
20/09/23 09:00	8.41824	8.37622	4.75062	12.05187

20/09/23 10:00	6.22426	6.31867	4.22763	11.30213
20/09/23 11:00	6.07924	6.1211	5.03502	10.05109
20/09/23 12:00	5.34916	5.14168	5.41634	14.81019
20/09/23 13:00	5.83546	4.84827	5.03502	12.11128
20/09/23 14:00	16.97914	6.26865	5.08265	11.72639
20/09/23 15:00	13.90846	10.23569	6.79375	17.93001
20/09/23 16:00	12.67092	21.3809	7.74297	22.23089
20/09/23 17:00	15.38379	32.06697	8.07998	25.82751
20/09/23 18:00	15.25517	26.00786	8.702	27.89068
20/09/23 19:00	18.35683	17.53766	11.2568	27.33218
20/09/23 20:00	16.15414	17.04988	11.06387	25.26252
20/09/23 21:00	14.06513	14.64958	10.16107	21.30495
20/09/23 22:00	12.39501	11.61109	8.35714	22.83636
20/09/23 23:00	12.05497	13.86554	5.41347	17.14946
21/09/23 00:00	13.22758	7.59453	7.8349	16.15222
21/09/23 01:00	7.09902	5.42211	4.57639	14.2279
21/09/23 02:00	8.24709	8.49271	3.87783	11.35099
21/09/23 03:00	4.83298	7.44833	5.05288	18.60084
21/09/23 04:00	4.88547	8.96775	6.38767	19.71393
21/09/23 05:00	18.20535	14.60259	11.67966	30.74233
21/09/23 06:00	25.1072	31.54636	16.44708	31.42322
21/09/23 07:00	23.29782	38.79038	22.56658	37.45951
21/09/23 08:00	22.16479	29.92656	19.57334	45.26989
21/09/23 09:00	14.92188	18.29711	11.79098	26.65657
21/09/23 10:00	8.93542	10.61853	8.59306	25.34918
21/09/23 11:00	6.41407	9.69183	6.7789	16.30823
21/09/23 12:00	5.56657	9.79238	5.01175	24.68906
21/09/23 13:00	No data	7.92971	4.67617	12.61106
21/09/23 14:00	9.90204	10.91598	6.34491	13.85328
21/09/23 15:00	12.64229	12.048	10.63475	12.65092
21/09/23 16:00	13.7149	11.1666	10.68649	13.98239
21/09/23 17:00	18.78046	12.93378	12.63661	22.00781
21/09/23 18:00	22.1259	20.57968	25.04357	25.24162
21/09/23 19:00	21.04085	30.43034	20.62935	37.42213
21/09/23 20:00	22.60475	25.38012	20.78458	35.76515
21/09/23 21:00	26.33005	34.73508	34.31953	34.67531
21/09/23 22:00	33.36525	30.57519	35.54904	35.48865
21/09/23 23:00	23.62861	23.61833	21.97492	33.71168
22/09/23 00:00	18.89064	23.61816	12.77469	27.83566
22/09/23 01:00	13.22172	17.44401	7.8481	25.07875
22/09/23 02:00	7.87838	12.67428	10.78177	16.59708
22/09/23 03:00	7.81374	15.09204	10.24013	20.90604
22/09/23 04:00	7.81742	20.82087	14.78608	22.67092
22/09/23 05:00	17.72817	26.03969	16.41607	22.41
22/09/23 06:00	23.05	28.58013	13.60001	31.16084
22/09/23 07:00	24.22107	35.35457	15.95484	33.19122
22/09/23 08:00	20.61609	35.26614	14.72636	31.66246
22/09/23 09:00	14.12747	26.27482	15.30574	30.55265
22/09/23 10:00	10.40132	25.11113	7.242	19.72134
22/09/23 11:00	9.395	28.60253	5.56241	13.78684
22/09/23 12:00	8.03984	17.07009	5.70751	13.36377
22/09/23 13:00	7.13845	24.31025	6.03698	27.07664
22/09/23 14:00	7.52625	20.16652	5.60955	18.01757
22/09/23 15:00	9.26646	30.76433	7.19064	20.11778
22/09/23 16:00	14.39135	22.3893	8.44052	19.14072
22/09/23 17:00	16.74639	21.31993	12.3682	16.96656
22/09/23 18:00	15.42407	26.46582	10.87349	13.88699
22/09/23 19:00	16.77402	22.95438	7.47174	16.85953
22/09/23 20:00	20.46061	15.02922	9.53091	15.97939
22/09/23 21:00	13.72744	14.93153	7.46805	17.52147
22/09/23 22:00	13.09572	12.72644	7.89811	17.75942
22/09/23 23:00	8.75042	10.47604	5.21733	14.08498
23/09/23 00:00	10.55291	7.24655	5.40765	14.99957
23/09/23 01:00	8.10045	6.26741	4.09975	13.76093
23/09/23 02:00	7.72517	9.52643	4.03596	14.00782
23/09/23 03:00	5.57514	7.20243	4.41992	12.50953
23/09/23 04:00	5.97409	6.02408	4.0374	18.10739
23/09/23 05:00	4.20727	10.23367	3.26842	12.70375
23/09/23 06:00	8.22052	16.00427	2.98026	10.83545
23/09/23 07:00	13.13169	17.92269	6.16032	22.39698
23/09/23 08:00	11.71702	21.77082	5.53541	18.83247
23/09/23 09:00	6.65458	17.26446	5.82845	13.93805
23/09/23 10:00	6.8607	15.59397	5.8776	12.20007
23/09/23 11:00	5.6675	12.57148	4.71822	10.37454
23/09/23 12:00	7.72233	15.11815	4.62404	15.85567
23/09/23 13:00	7.95791	23.05443	4.09143	13.8198
23/09/23 14:00	6.98173	23.09889	3.94323	14.68778
23/09/23 15:00	7.07088	12.29138	4.86117	10.32472
23/09/23 16:00	7.54929	10.03964	5.09849	14.66715
23/09/23 17:00	10.33263	18.32018	5.81569	15.37562
23/09/23 18:00	21.07067	23.46826	8.16842	18.76805
23/09/23 19:00	17.48219	21.36608	23.77941	32.43337
23/09/23 20:00	17.62983	22.19813	18.10892	42.11001
23/09/23 21:00	14.80252	16.12217	14.60263	34.40785
23/09/23 22:00	6.69413	10.33961	10.08722	30.33814
23/09/23 23:00	4.59291	7.93864	6.62876	22.19671
24/09/23 00:00	4.44648	5.83191	6.05263	25.75018
24/09/23 01:00	3.58451	4.7046	6.17192	14.65886
24/09/23 02:00	3.71315	4.31317	5.46457	17.24045

24/09/23 03:00	3.37209	4.65626	4.58092	17.09955
24/09/23 04:00	3.37209	3.77402	4.14664	17.57511
24/09/23 05:00	2.34534	3.26733	4.05042	10.02003
24/09/23 06:00	2.19883	3.38124	4.05102	6.94905
24/09/23 07:00	2.64313	3.33172	4.00361	7.28277
24/09/23 08:00	2.59548	3.23336	3.61813	7.71105
24/09/23 09:00	4.06534	3.86918	4.9732	9.0156
24/09/23 10:00	5.24815	4.74957	7.09923	7.24151
24/09/23 11:00	4.07607	4.30778	6.03562	6.61917
24/09/23 12:00	4.90987	5.09182	5.26606	7.20188
24/09/23 13:00	3.9403	4.30694	3.9574	11.32217
24/09/23 14:00	5.0135	3.13247	3.08842	8.03689
24/09/23 15:00	5.59954	4.01505	2.9438	5.85826
24/09/23 16:00	4.89914	3.77133	3.57012	7.96498
24/09/23 17:00	4.80146	4.01639	3.61913	6.90286
24/09/23 18:00	4.79669	4.55571	4.05322	7.71762
24/09/23 19:00	4.00696	4.26213	4.82257	10.49231
24/09/23 20:00	4.34882	4.94832	4.34008	8.78685
24/09/23 21:00	4.64184	4.40985	4.33988	9.29765
24/09/23 22:00	4.5001	3.42992	3.71315	6.04083
24/09/23 23:00	3.47453	3.5773	4.09903	4.55317
25/09/23 00:00	2.54903	3.87121	4.05042	4.6983
25/09/23 01:00	1.76222	3.78946	3.03377	3.90273
25/09/23 02:00	3.2856	2.35129	2.77511	4.414
25/09/23 03:00	2.44552	2.84109	2.66247	6.05025
25/09/23 04:00	5.34256	4.01707	5.08298	10.16666
25/09/23 05:00	27.92734	6.66345	4.93738	10.97612
25/09/23 06:00	15.89352	12.44584	9.24543	18.88279
25/09/23 07:00	23.66968	21.65292	10.26657	21.25505
25/09/23 08:00	15.19398	18.9491	8.57981	16.66124
25/09/23 09:00	12.6766	10.81745	5.4298	10.3262
25/09/23 10:00	6.89611	9.25071	5.09041	10.57259
25/09/23 11:00	6.64945	8.12627	3.73201	16.32748
25/09/23 12:00	5.55565	8.61539	3.00611	13.06891
25/09/23 13:00	6.20497	8.61589	3.05365	13.06891
25/09/23 14:00	5.80231	8.56772	4.07288	10.52237
25/09/23 15:00	6.97974	11.94677	4.45811	7.97286
25/09/23 16:00	9.71373	13.22415	5.61913	12.08454
25/09/23 17:00	20.23161	14.74626	7.45955	14.62813
25/09/23 18:00	20.55553	16.85602	14.08984	16.05146
25/09/23 19:00	25.57435	21.56213	32.04435	26.10526
25/09/23 20:00	26.29672	25.33582	36.05695	22.80067
25/09/23 21:00	20.82755	27.78682	33.20473	31.6273
25/09/23 22:00	12.56494	22.88516	15.53612	29.55878
25/09/23 23:00	8.2161	14.35836	10.16342	28.07987
26/09/23 00:00	5.42619	9.21247	13.11604	27.62198
26/09/23 01:00	3.26554	6.79426	8.29191	26.04318
26/09/23 02:00	3.78395	5.09603	6.28437	24.58143
26/09/23 03:00	3.37807	4.36066	5.39313	25.27344
26/09/23 04:00	4.6958	4.6059	8.06529	15.44361
26/09/23 05:00	4.01017	6.32052	10.05716	19.39889
26/09/23 06:00	8.4161	9.01575	15.54699	20.28435
26/09/23 07:00	13.56234	14.11094	18.99974	38.16993
26/09/23 08:00	22.2961	15.67852	21.82549	42.9106
26/09/23 09:00	36.29721	40.1289	17.69625	45.72789
26/09/23 10:00	17.05184	20.61926	11.0361	40.16909
26/09/23 11:00	8.61373	13.2196	5.59372	34.53641
26/09/23 12:00	7.97815	8.46784	4.76904	13.4762
26/09/23 13:00	10.86269	7.24453	4.03814	11.88832
26/09/23 14:00	7.02839	8.56806	4.0368	8.54785
26/09/23 15:00	8.74766	11.85262	4.13462	16.92975
26/09/23 16:00	10.84416	11.99949	5.93398	13.44952
26/09/23 17:00	11.77771	15.38259	5.59305	14.96513
26/09/23 18:00	14.68797	19.49768	9.72161	19.0779
26/09/23 19:00	16.05227	18.02998	10.55055	20.27634
26/09/23 20:00	14.04313	22.19611	11.42112	16.87703
26/09/23 21:00	18.88328	26.40906	9.28307	18.07165
26/09/23 22:00	29.56687	25.92095	9.32896	21.08787
26/09/23 23:00	22.60822	17.63922	8.21147	14.48143
27/09/23 00:00	18.65041	12.20094	6.46204	22.99991
27/09/23 01:00	8.87645	9.66836	5.72244	27.89157
27/09/23 02:00	6.90649	10.58372	10.20994	26.53135
27/09/23 03:00	5.14318	8.03531	10.04694	21.89359
27/09/23 04:00	4.50497	7.20226	10.34092	34.38909
27/09/23 05:00	5.48332	8.03531	12.39429	27.51319
27/09/23 06:00	12.10201	8.62364	15.90075	36.26079
27/09/23 07:00	10.83929	12.78741	15.12485	44.53424
27/09/23 08:00	10.52539	14.10269	16.15591	34.90726
27/09/23 09:00	13.08279	11.26076	16.06171	36.75753
27/09/23 10:00	9.33311	8.3235	13.37896	26.48519
27/09/23 11:00	10.2614	9.10906	12.59311	28.28212
27/09/23 12:00	6.97252	10.28386	12.98225	No data
27/09/23 13:00	7.11471	12.93142	10.00362	No data
27/09/23 14:00	8.28987	11.65792	10.93101	25.36006
27/09/23 15:00	9.1169	11.26901	14.05639	26.99323
27/09/23 16:00	7.99751	11.26817	14.735	29.56908
27/09/23 17:00	7.71427	10.58148	14.15746	25.98499
27/09/23 18:00	8.87004	13.57213	13.22226	23.59672
27/09/23 19:00	6.81322	9.84864	8.04872	25.13172

27/09/23 20:00	5.05105	6.6146	3.80518	10.51642
27/09/23 21:00	3.92367	4.99784	3.17082	7.01797
27/09/23 22:00	3.58124	4.40968	2.82927	5.76132
27/09/23 23:00	2.01246	2.98863	1.75655	3.99662
28/09/23 00:00	2.1103	2.49867	1.51275	3.08352
28/09/23 01:00	3.2097	3.00413	1.43767	4.15157
28/09/23 02:00	1.72093	3.78879	1.56852	3.33346
28/09/23 03:00	0.83655	2.20492	1.66532	4.03748
28/09/23 04:00	1.66973	3.8702	1.95923	3.56471
28/09/23 05:00	2.6008	7.49499	2.59674	4.31593
28/09/23 06:00	4.94902	10.24007	6.02329	7.60614
28/09/23 07:00	11.61783	16.16731	5.82776	14.98478
28/09/23 08:00	18.40364	19.39679	11.11988	20.49599
28/09/23 09:00	21.18499	19.32875	7.15621	17.7543
28/09/23 10:00	11.29882	14.88471	6.42031	20.11676
28/09/23 11:00	9.64931	13.26895	5.97907	24.63273
28/09/23 12:00	10.93423	11.40847	6.18306	15.35601
28/09/23 13:00	11.36237	9.20557	4.80343	15.26565
28/09/23 14:00	9.83048	9.20523	6.5182	13.25485
28/09/23 15:00	9.93062	11.60621	6.27224	11.9921
28/09/23 16:00	10.65917	13.27401	9.40462	17.13945
28/09/23 17:00	12.61021	12.493	8.22823	16.329
28/09/23 18:00	12.50445	16.02128	12.68483	22.88145
28/09/23 19:00	8.33293	14.35718	10.62497	38.85409
28/09/23 20:00	10.33516	10.87775	9.98721	36.49113
28/09/23 21:00	10.82348	7.74208	9.93727	23.9345
28/09/23 22:00	7.3473	7.30113	7.34277	14.34502
28/09/23 23:00	12.14498	9.21079	8.66374	28.13288
29/09/23 00:00	13.42204	8.47643	7.4896	27.45702
29/09/23 01:00	10.7767	9.01305	3.27652	16.1375
29/09/23 02:00	10.26466	8.68944	4.38972	20.06286
29/09/23 03:00	9.30903	14.79881	4.52072	19.32877
29/09/23 04:00	7.05633	13.57364	4.62211	20.79809
29/09/23 05:00	6.27279	28.29396	10.71594	18.09299
29/09/23 06:00	11.91116	25.95093	7.86971	19.68871
29/09/23 07:00	19.21317	35.41941	8.02624	29.84977
29/09/23 08:00	28.97369	37.98983	16.12955	29.07189
29/09/23 09:00	13.787	24.25854	9.76161	No data
29/09/23 10:00	8.29583	19.36647	5.07758	16.11478
29/09/23 11:00	7.42873	17.11321	4.13842	10.70066
29/09/23 12:00	11.75839	17.40898	3.89357	10.71427
29/09/23 13:00	8.34812	15.60104	3.69523	20.03226
29/09/23 14:00	6.45843	19.07644	3.59541	11.17722
29/09/23 15:00	8.92029	21.22948	4.63517	14.01378
29/09/23 16:00	10.19244	22.11374	5.03211	12.70162
29/09/23 17:00	12.19806	21.47977	6.94361	15.45029
29/09/23 18:00	27.87782	42.33871	16.3846	18.15189
29/09/23 19:00	48.77369	56.2125	23.87175	21.64912
29/09/23 20:00	39.80225	53.31869	27.0313	19.95926
29/09/23 21:00	27.95916	45.6226	24.29143	21.63492
29/09/23 22:00	27.81335	33.60458	14.89617	32.35838
29/09/23 23:00	20.79714	39.53602	9.33751	23.55891
30/09/23 00:00	19.58171	37.72422	15.285	16.96431
30/09/23 01:00	12.81659	32.86079	9.14104	16.32471
30/09/23 02:00	6.67144	20.97297	10.52173	27.56913
30/09/23 03:00	6.42318	25.03163	11.58957	28.64339
30/09/23 04:00	6.96434	16.46341	11.09674	29.82045
30/09/23 05:00	6.91316	15.8744	11.34548	23.68156
30/09/23 06:00	9.02228	17.78558	15.74723	25.25323
30/09/23 07:00	13.24163	23.79805	22.53119	24.59607
30/09/23 08:00	13.49974	19.72456	18.62137	25.21366
30/09/23 09:00	11.42108	16.73913	14.99574	20.02654
30/09/23 10:00	8.23506	10.08461	10.67811	18.26695
30/09/23 11:00	8.61724	11.79906	6.52373	15.94951
30/09/23 12:00	6.90665	6.12043	5.28496	19.74521
30/09/23 13:00	5.41926	7.7862	4.54531	12.84932
30/09/23 14:00	6.19888	9.40381	4.68995	13.5125
30/09/23 15:00	5.70563	9.15925	5.62822	27.25401
30/09/23 16:00	10.51839	9.01423	7.55105	35.94756
30/09/23 17:00	8.54319	15.33543	8.1425	31.78315
30/09/23 18:00	8.53774	10.68136	7.49846	35.2211
30/09/23 19:00	5.93646	15.87676	6.70922	29.73129
30/09/23 20:00	6.1869	12.15175	6.46157	23.4101
30/09/23 21:00	4.12351	9.16228	5.7211	27.30524
30/09/23 22:00	3.97542	7.74174	4.58696	34.30728
30/09/23 23:00	3.62917	6.51708	3.8473	21.90897
01/10/23 00:00	2.84737	5.78155	3.25558	18.11068
01/10/23 01:00	2.16142	4.89975	3.76381	17.49462
01/10/23 02:00	2.09462	3.0697	3.43309	25.59383
01/10/23 03:00	2.01541	2.49766	3.36615	22.4804
01/10/23 04:00	1.82038	2.35028	3.26802	11.89721
01/10/23 05:00	1.57204	2.2029	2.5259	3.33142
01/10/23 06:00	1.96532	3.08497	2.92185	4.41954
01/10/23 07:00	2.89788	4.94613	3.86337	4.89049
01/10/23 08:00	3.88268	6.41484	3.5192	5.69675
01/10/23 09:00	9.50377	7.63849	3.86652	6.37443
01/10/23 10:00	7.8251	8.91065	4.8109	7.50894
01/10/23 11:00	5.47187	10.72363	5.15793	9.67811
01/10/23 12:00	5.72343	10.86899	5.35476	8.03182

01/10/23 13:00	7.14089	17.52721	4.46301	12.51035
01/10/23 14:00	7.09722	16.20638	4.01671	12.50935
01/10/23 15:00	6.65492	11.55501	4.16577	15.31083
01/10/23 16:00	7.04069	12.24271	4.65842	15.97993
01/10/23 17:00	5.9514	12.53594	5.54816	15.48227
01/10/23 18:00	7.46906	13.71344	6.58525	22.41941
01/10/23 19:00	8.73836	17.4878	8.91145	33.50937
01/10/23 20:00	9.32238	16.26382	9.40553	24.48876
01/10/23 21:00	7.46048	14.89043	6.18844	11.43787
01/10/23 22:00	10.96275	10.2367	4.50565	10.3916
01/10/23 23:00	6.675	8.17898	3.81245	7.02841
02/10/23 00:00	4.51465	7.54249	5.24863	8.49571
02/10/23 01:00	4.25546	7.83516	4.63853	9.72102
02/10/23 02:00	4.51707	11.23386	4.0424	7.52378
02/10/23 03:00	4.27708	7.10271	4.52361	11.13788
02/10/23 04:00	4.27603	8.52376	5.01978	10.22322
02/10/23 05:00	8.05203	12.9331	6.16296	11.30854
02/10/23 06:00	11.43983	25.50829	11.19138	24.08653
02/10/23 07:00	20.73612	40.00241	17.57689	29.08925
02/10/23 08:00	34.02097	40.32967	20.78394	39.40224
02/10/23 09:00	23.61388	39.3558	10.71458	34.64982
02/10/23 10:00	10.70879	38.66574	7.92133	23.38702
02/10/23 11:00	9.02728	18.7864	5.62455	23.04556
02/10/23 12:00	6.16113	13.22297	9.56097	22.46361
02/10/23 13:00	4.92918	18.41602	7.60896	20.58517
02/10/23 14:00	7.58893	31.03096	11.93207	32.54518
02/10/23 15:00	11.95146	32.5561	13.07405	39.93339
02/10/23 16:00	25.49159	47.94744	11.43768	51.74714
02/10/23 17:00	19.73238	43.1433	17.85707	47.75562
02/10/23 18:00	22.15021	38.40232	15.90058	33.88495
02/10/23 19:00	29.71909	29.23566	14.91896	28.94054
02/10/23 20:00	24.7885	36.83204	14.7592	30.08556
02/10/23 21:00	19.24344	22.87522	13.46938	20.36848
02/10/23 22:00	9.18341	21.99449	8.69709	21.64748
02/10/23 23:00	7.01981	13.47141	4.7711	15.71919
03/10/23 00:00	8.10214	23.61918	5.8637	15.4342
03/10/23 01:00	6.48268	9.79928	7.11552	14.09593
03/10/23 02:00	6.41586	7.25217	5.98493	12.84001
03/10/23 03:00	4.91317	7.44682	3.64169	10.34667
03/10/23 04:00	5.84776	9.26048	5.58688	9.01888
03/10/23 05:00	5.74752	13.46736	8.08518	15.20236
03/10/23 06:00	9.23841	21.64635	8.34255	15.52108
03/10/23 07:00	17.966	32.31541	9.94616	17.23015
03/10/23 08:00	20.47468	27.20456	10.00502	22.38652
03/10/23 09:00	11.57702	23.28585	5.50608	22.34855
03/10/23 10:00	8.59696	17.46203	3.95047	15.66952
03/10/23 11:00	6.58053	15.16043	3.15208	10.66366
03/10/23 12:00	5.72646	14.86517	4.40511	14.13852
03/10/23 13:00	5.78903	12.17601	3.3509	9.38759
03/10/23 14:00	5.63038	19.16419	2.95419	8.90329
03/10/23 15:00	5.97705	13.50425	2.60765	10.12598
03/10/23 16:00	6.77063	18.39025	4.75134	9.13273
03/10/23 17:00	9.12645	19.03517	5.45498	10.1089
03/10/23 18:00	9.25086	22.13126	7.44599	16.56813
03/10/23 19:00	15.81925	23.70541	4.69621	19.34639
03/10/23 20:00	14.83558	27.87188	4.94582	18.49331
03/10/23 21:00	13.0739	20.3811	7.93591	14.57914
03/10/23 22:00	9.1883	18.02998	12.97153	15.94325
03/10/23 23:00	8.30278	13.03383	6.68319	13.49746
04/10/23 00:00	5.8958	9.94683	5.93528	12.59641
04/10/23 01:00	4.3282	6.92519	9.01482	10.86582
04/10/23 02:00	4.32684	6.01095	5.07329	14.19725
04/10/23 03:00	3.7362	6.02712	7.86079	7.53377
04/10/23 04:00	3.73518	6.17433	6.61033	5.88883
04/10/23 05:00	8.50467	7.39881	8.06484	6.07015
04/10/23 06:00	9.48884	11.56343	9.27041	8.56611
04/10/23 07:00	15.45832	25.3146	10.42626	16.14726
04/10/23 08:00	21.64758	22.76372	11.59631	18.64695
04/10/23 09:00	16.95385	21.38781	8.48938	18.7831
04/10/23 10:00	9.39255	17.12736	6.02496	17.11168
04/10/23 11:00	7.87534	10.86511	5.57715	10.29162
04/10/23 12:00	6.2344	9.78548	5.3208	11.6213
04/10/23 13:00	7.15519	10.03762	4.51719	9.11117
04/10/23 14:00	9.75275	9.20254	4.26665	9.71446
04/10/23 15:00	9.90109	10.47671	6.17187	9.09999
04/10/23 16:00	8.73069	15.22612	5.72406	11.44709
04/10/23 17:00	14.00451	15.91651	9.55418	9.94541
04/10/23 18:00	13.62198	17.68756	10.94219	12.37311
04/10/23 19:00	12.14367	17.83342	8.6179	16.56662
04/10/23 20:00	10.27047	11.46574	9.26719	12.79619
04/10/23 21:00	10.66843	12.83541	6.10989	12.79843
04/10/23 22:00	9.83361	13.61946	5.7089	9.64956
04/10/23 23:00	5.99511	8.81885	4.55691	9.23431
05/10/23 00:00	3.64105	4.94933	4.10523	7.06927
05/10/23 01:00	3.27961	3.92039	6.43403	6.7564
05/10/23 02:00	4.06575	5.03091	6.70013	6.75903
05/10/23 03:00	3.39525	3.77335	4.47226	8.87115
05/10/23 04:00	5.31348	5.0962	4.92498	13.37786
05/10/23 05:00	11.4111	6.61528	5.57894	15.57891

05/10/23 06:00	10.08348	12.44584	9.24722	21.76507
05/10/23 07:00	16.57918	22.63133	10.55715	35.34229
05/10/23 08:00	24.0977	23.16357	12.32918	36.877
05/10/23 09:00	16.73564	24.27521	8.2728	28.93112
05/10/23 10:00	10.17576	18.59978	6.80114	20.6824
05/10/23 11:00	9.82078	13.46316	5.23638	15.27806
05/10/23 12:00	10.97394	11.69581	6.44988	12.87732
05/10/23 13:00	9.8248	12.18595	5.84559	13.11237
05/10/23 14:00	7.05825	10.76962	5.2846	13.30713
05/10/23 15:00	8.08605	11.26328	4.9829	14.9374
05/10/23 16:00	9.17903	12.19555	6.19238	17.8043
05/10/23 17:00	11.43417	11.26665	6.43883	13.90078
05/10/23 18:00	15.0059	13.4741	8.19345	11.07351
05/10/23 19:00	16.47791	15.87457	8.44191	10.60701
05/10/23 20:00	12.29852	11.75982	7.08442	11.58984
05/10/23 21:00	12.94428	9.55506	5.2759	9.94675
05/10/23 22:00	7.97273	7.93796	5.52704	10.88434
05/10/23 23:00	3.78933	6.76198	4.7244	14.64296
06/10/23 00:00	3.29799	4.45903	3.16634	12.72121
06/10/23 01:00	3.15024	3.98551	2.75719	10.66671
06/10/23 02:00	2.82513	3.85459	3.56515	9.85675
06/10/23 03:00	2.31648	3.5773	3.12791	10.0639
06/10/23 04:00	3.05587	4.75294	2.97772	6.69558
06/10/23 05:00	3.49733	5.24274	3.98871	11.93106
06/10/23 06:00	4.33306	8.47643	4.99832	11.08813
06/10/23 07:00	7.2375	14.20644	6.26553	12.2606
06/10/23 08:00	11.2432	15.28254	8.03478	14.27344
06/10/23 09:00	8.796	12.68332	6.02146	17.55852
06/10/23 10:00	7.35372	12.48238	4.70627	15.26404
06/10/23 11:00	7.03509	12.82682	4.15175	13.01859
06/10/23 12:00	6.4884	12.67338	4.15417	10.68621
06/10/23 13:00	6.63293	12.86725	4.24944	8.80763
06/10/23 14:00	6.87577	11.40291	3.54195	8.85638
06/10/23 15:00	7.72235	15.27075	3.79436	6.80221
06/10/23 16:00	8.05169	15.75869	4.65412	8.29138
06/10/23 17:00	10.75751	15.32515	5.8671	16.01262
06/10/23 18:00	9.99347	16.70392	8.23295	14.45816
06/10/23 19:00	10.48705	16.21463	6.86769	16.00406
06/10/23 20:00	8.51371	12.78589	5.04769	13.00889
06/10/23 21:00	7.68488	11.95217	4.9486	11.09298
06/10/23 22:00	7.77729	10.14069	5.4482	9.92165
06/10/23 23:00	9.1066	7.49448	3.73319	8.98807
07/10/23 00:00	7.52951	7.15156	2.82683	6.93219
07/10/23 01:00	4.00837	5.94402	2.7022	4.42956
07/10/23 02:00	3.15449	5.29141	2.16109	8.21594
07/10/23 03:00	3.89554	5.53682	2.53223	8.83723
07/10/23 04:00	3.25319	6.12413	2.83472	5.19112
07/10/23 05:00	3.69491	7.0062	5.66945	4.52514
07/10/23 06:00	5.61518	9.21129	6.73121	7.23231
07/10/23 07:00	7.3387	11.02377	11.69449	10.72865
07/10/23 08:00	8.9224	14.25461	11.3956	12.70026
07/10/23 09:00	9.09031	18.65806	10.19031	10.03368
07/10/23 10:00	7.71305	13.31881	7.10298	11.95915
07/10/23 11:00	7.12279	13.5595	5.93679	10.74362
07/10/23 12:00	7.32923	16.29834	5.37989	11.25863
07/10/23 13:00	7.21439	16.54021	5.07309	10.74193
07/10/23 14:00	8.98709	18.93832	5.27906	10.0931
07/10/23 15:00	10.11938	14.58709	4.71606	11.43931
07/10/23 16:00	11.69243	13.26946	6.6408	21.57807
07/10/23 17:00	12.07043	18.56491	8.30251	16.85485
07/10/23 18:00	17.03067	19.45119	11.69772	31.36221
07/10/23 19:00	28.64484	18.4711	14.68854	32.71108
07/10/23 20:00	22.342	20.6292	12.34934	33.70075
07/10/23 21:00	14.71496	24.1558	9.87201	29.39712
07/10/23 22:00	15.40359	19.2575	8.35095	30.70251
07/10/23 23:00	12.69631	18.96291	9.61545	29.55776
08/10/23 00:00	13.82957	16.0233	7.23787	28.04825
08/10/23 01:00	15.42959	15.35345	7.44989	23.33184
08/10/23 02:00	10.96489	11.10698	13.81405	37.82273
08/10/23 03:00	17.18175	20.47879	13.06439	34.42461
08/10/23 04:00	15.01629	21.56129	18.33785	30.61684
08/10/23 05:00	13.64018	15.23892	12.03843	22.83809
08/10/23 06:00	14.47873	13.0825	15.29193	10.18841
08/10/23 07:00	16.06503	22.29262	17.55513	14.33329
08/10/23 08:00	15.5703	20.08348	15.79178	15.13018
08/10/23 09:00	19.81163	22.23282	22.8743	14.34219
08/10/23 10:00	22.90103	22.12452	23.47063	17.07688
08/10/23 11:00	14.91841	19.08419	14.30721	22.85174
08/10/23 12:00	10.59102	17.28316	8.30688	16.86065
08/10/23 13:00	9.38702	17.47753	9.05406	20.95805
08/10/23 14:00	8.34589	15.52559	6.86727	16.66341
08/10/23 15:00	9.91792	15.28321	5.90658	22.848
08/10/23 16:00	12.07672	19.89046	6.66379	29.72818
08/10/23 17:00	18.71979	20.77472	17.95727	28.92971
08/10/23 18:00	24.82245	23.91359	16.04914	30.50766
08/10/23 19:00	17.77233	22.44336	16.81006	30.45919
08/10/23 20:00	16.83439	23.81573	13.25487	29.58257
08/10/23 21:00	17.37861	23.52216	12.13999	31.34906
08/10/23 22:00	39.14484	17.15027	10.76787	31.53483

08/10/23 23:00	41.28814	19.06195	9.49768	22.04993
09/10/23 00:00	24.61417	16.61163	10.97098	15.67265
09/10/23 01:00	11.23218	19.14291	7.81662	12.36596
09/10/23 02:00	10.24609	12.73986	4.96279	13.23447
09/10/23 03:00	9.16463	11.26935	5.20035	13.68321
09/10/23 04:00	13.39852	11.7108	5.65977	15.63289
09/10/23 05:00	14.13808	19.25632	6.93879	15.39738
09/10/23 06:00	28.67758	24.30469	10.76587	20.13004
09/10/23 07:00	38.0831	41.68419	18.6856	31.67765
09/10/23 08:00	56.29719	57.98961	36.04475	43.89851
09/10/23 09:00	41.59725	52.40176	20.13208	31.43103
09/10/23 10:00	26.07112	37.28192	16.6671	36.64533
09/10/23 11:00	19.97632	28.46947	14.26655	23.97656
09/10/23 12:00	16.93891	24.98414	14.73134	14.6334
09/10/23 13:00	16.09993	22.49254	15.08654	15.62317
09/10/23 14:00	15.81008	19.37506	14.10254	12.71899
09/10/23 15:00	16.20747	22.41069	12.91891	14.20859
09/10/23 16:00	16.6357	23.5481	13.53083	21.66985
09/10/23 17:00	33.76784	42.5831	14.99835	24.95988
09/10/23 18:00	44.53942	58.89778	25.19252	30.05343
09/10/23 19:00	57.23323	42.62689	33.70228	39.98097
09/10/23 20:00	53.88469	46.54627	22.37353	51.56518
09/10/23 21:00	46.19675	49.96591	30.48336	48.75296
09/10/23 22:00	31.52801	44.66743	19.57027	45.42892
09/10/23 23:00	29.70699	36.45122	24.15909	49.34092
10/10/23 00:00	28.37465	22.34315	20.23584	40.40332
10/10/23 01:00	24.64924	27.63158	22.23195	31.44798
10/10/23 02:00	10.84288	17.44356	15.14094	34.90592
10/10/23 03:00	10.75259	15.28793	13.09423	33.30152
10/10/23 04:00	11.68504	13.76919	15.60151	25.01866
10/10/23 05:00	24.95219	22.63739	16.47334	31.40641
10/10/23 06:00	25.83537	33.41358	17.80627	39.46241
10/10/23 07:00	34.7937	42.65199	37.02741	52.08187
10/10/23 08:00	29.87714	45.99415	41.96531	54.47293
10/10/23 09:00	21.39709	33.80147	27.47682	48.90193
10/10/23 10:00	16.59872	20.36005	12.25685	34.34234
10/10/23 11:00	13.85039	19.09059	9.1291	33.64466
10/10/23 12:00	11.28014	19.27838	9.68734	31.60358
10/10/23 13:00	12.0201	17.18159	8.76238	27.15915
10/10/23 14:00	11.17427	17.96479	9.3317	20.13427
10/10/23 15:00	12.10671	18.36263	8.82144	14.29856
10/10/23 16:00	14.37676	17.97608	9.88756	18.82817
10/10/23 17:00	18.42141	18.66564	10.70548	21.87536
10/10/23 18:00	12.72244	19.40302	10.85535	20.72174
10/10/23 19:00	12.18048	14.55223	8.60181	16.64861
10/10/23 20:00	10.55368	14.40502	8.24143	17.6696
10/10/23 21:00	9.27177	12.20077	7.21457	18.40547
10/10/23 22:00	8.23253	11.51425	7.11188	13.17982
10/10/23 23:00	5.86761	8.03616	4.80998	9.39026
11/10/23 00:00	3.25543	5.24274	3.63325	6.19853
11/10/23 01:00	2.23836	2.87387	3.08078	4.42754
11/10/23 02:00	1.84399	2.28572	3.14921	5.04323
11/10/23 03:00	2.17263	1.71412	3.23531	6.82878
11/10/23 04:00	2.22193	4.01656	3.13306	5.39685
11/10/23 05:00	3.35394	3.86902	4.1087	6.17901
11/10/23 06:00	5.77395	8.71813	6.11336	8.80725
11/10/23 07:00	12.44424	15.76914	9.05335	11.90071
11/10/23 08:00	21.21917	16.11054	12.44713	17.38717
11/10/23 09:00	14.44399	17.42413	7.98444	19.46343
11/10/23 10:00	9.61116	15.22022	4.79557	18.2678
11/10/23 11:00	7.53262	No data	6.135	12.59366
11/10/23 12:00	8.55704	15.42318	6.28163	11.62702
11/10/23 13:00	11.17784	15.86531	No data	19.04843
11/10/23 14:00	10.3846	14.68798	9.46724	No data
11/10/23 15:00	13.13798	19.09463	10.04451	No data
11/10/23 16:00	18.04711	22.77264	10.76351	35.47866
11/10/23 17:00	16.39513	22.67613	11.1224	32.38341
11/10/23 18:00	16.38613	19.29876	9.68113	35.38054
11/10/23 19:00	19.89156	24.77393	11.21199	31.50432
11/10/23 20:00	16.52592	26.09628	9.82123	25.50241
11/10/23 21:00	14.45728	17.72579	6.4201	25.54778
11/10/23 22:00	9.57516	28.75748	7.13992	28.78533
11/10/23 23:00	8.14197	28.56514	5.08475	23.98291
12/10/23 00:00	5.1806	14.94282	3.03163	20.19923
12/10/23 01:00	4.14904	22.91692	2.94643	14.89638
12/10/23 02:00	6.18891	29.05289	4.99874	17.47272
12/10/23 03:00	3.35928	21.44616	5.08416	12.27614
12/10/23 04:00	5.77788	19.43962	5.13671	12.41373
12/10/23 05:00	9.62333	11.65381	5.34205	15.86225
12/10/23 06:00	11.80326	15.17291	7.44839	22.52945
12/10/23 07:00	16.49868	16.25007	10.53374	25.84109
12/10/23 08:00	20.45172	19.62207	11.87209	36.48258
12/10/23 09:00	16.78944	29.53865	13.47643	27.50035
12/10/23 10:00	14.07489	21.71597	12.35273	27.1762
12/10/23 11:00	11.99891	35.19221	8.28555	41.43366
12/10/23 12:00	12.84358	30.45861	10.14494	39.27298
12/10/23 13:00	11.15864	22.54034	9.47232	34.54278
12/10/23 14:00	13.4892	11.40102	7.81948	30.62651
12/10/23 15:00	18.52634	21.81779	13.0779	36.00477

12/10/23 16:00	20.40769	24.1234	14.97364	26.80618
12/10/23 17:00	20.08615	27.75156	13.77188	27.35683
12/10/23 18:00	19.27932	27.12092	17.67574	28.96584
12/10/23 19:00	14.67372	22.51978	17.82367	30.89751
12/10/23 20:00	13.92504	22.029	18.33499	27.03522
12/10/23 21:00	13.23981	18.06255	15.71611	24.32258
12/10/23 22:00	14.73805	21.3918	17.30749	19.21923
12/10/23 23:00	12.11068	12.77843	16.12598	27.03971
13/10/23 00:00	8.20619	10.96594	10.88782	29.70648
13/10/23 01:00	3.4297	12.39333	4.38326	28.96162
13/10/23 02:00	1.71427	4.95662	3.97253	26.57659
13/10/23 03:00	1.09004	2.6406	3.28785	27.54573
13/10/23 04:00	5.19044	1.85756	3.5959	15.86081
13/10/23 05:00	8.45015	12.76994	4.21199	14.76138
13/10/23 06:00	5.73329	8.75666	4.47071	25.25933
13/10/23 07:00	4.7965	10.95495	4.47272	36.53485
13/10/23 08:00	7.32202	9.73009	4.4254	35.15939
13/10/23 09:00	5.60082	9.04509	4.69054	39.18579
13/10/23 10:00	5.2545	13.48172	5.25329	20.85699
13/10/23 11:00	6.98609	29.88643	4.07163	20.58138
13/10/23 12:00	4.3662	27.93384	4.17311	20.39724
13/10/23 13:00	4.9584	31.51187	3.96935	21.72524
13/10/23 14:00	7.47786	30.71321	4.58625	22.5953
13/10/23 15:00	13.40682	24.88794	7.1076	28.27766
13/10/23 16:00	15.97563	33.48904	8.03817	33.87395
13/10/23 17:00	16.75571	34.78484	6.44941	40.47671
13/10/23 18:00	19.40851	35.91249	8.4477	29.06306
13/10/23 19:00	25.89071	41.25691	12.30392	30.5766
13/10/23 20:00	23.95652	42.3901	12.85822	26.68008
13/10/23 21:00	21.98684	33.51927	13.97527	23.60883
13/10/23 22:00	17.48731	18.32582	11.20003	23.14968
13/10/23 23:00	11.16442	10.70554	6.88736	16.36548
14/10/23 00:00	11.26052	10.50995	5.95759	15.76731
14/10/23 01:00	7.58024	8.01312	5.20644	18.69732
14/10/23 02:00	4.02281	6.32024	4.10995	9.49637
14/10/23 03:00	4.35369	5.47156	3.3408	7.85684
14/10/23 04:00	7.86542	6.54879	3.54699	7.30774
14/10/23 05:00	6.13297	6.74223	3.55217	8.95492
14/10/23 06:00	9.24289	8.94275	3.08725	8.50107
14/10/23 07:00	15.43203	14.60355	5.62761	7.90677
14/10/23 08:00	21.002	15.62567	5.98266	14.44046
14/10/23 09:00	11.84004	17.12527	6.71628	10.78296
14/10/23 10:00	9.45466	12.78018	7.0813	10.73556
14/10/23 11:00	9.54408	14.63199	7.79977	12.79035
14/10/23 12:00	9.73989	15.02876	7.43236	12.10585
14/10/23 13:00	6.05797	15.32034	5.58145	16.35435
14/10/23 14:00	7.00378	10.441	5.00267	10.18769
14/10/23 15:00	6.55259	13.03057	5.57786	16.26344
14/10/23 16:00	8.72011	14.05252	6.28995	16.81261
14/10/23 17:00	9.11003	14.7933	6.75966	21.74891
14/10/23 18:00	17.12019	26.32527	15.97404	26.64274
14/10/23 19:00	19.73295	29.92691	16.63518	22.94439
14/10/23 20:00	23.13574	25.8421	16.5635	20.47354
14/10/23 21:00	21.65357	17.58452	11.31486	20.15334
14/10/23 22:00	31.7425	12.65527	11.45934	20.10802
14/10/23 23:00	16.45623	19.39883	8.37727	27.32672
15/10/23 00:00	13.39568	17.83524	8.68296	30.48142
15/10/23 01:00	17.20824	9.83312	9.04312	27.27019
15/10/23 02:00	11.08099	10.74085	7.81061	24.22779
15/10/23 03:00	9.54502	9.96316	7.65971	27.48928
15/10/23 04:00	9.04848	10.65015	6.68082	22.58824
15/10/23 05:00	6.67707	13.38641	6.94115	20.46068
15/10/23 06:00	7.17361	13.1901	6.73494	20.32414
15/10/23 07:00	10.44012	19.19062	8.22501	22.19079
15/10/23 08:00	13.47706	19.771	9.83558	18.04321
15/10/23 09:00	10.07647	18.33625	10.31833	16.3067
15/10/23 10:00	8.10029	15.31868	7.18058	16.03285
15/10/23 11:00	6.11414	14.28978	5.21606	13.48177
15/10/23 12:00	5.5163	12.0499	5.52814	11.83991
15/10/23 13:00	5.27178	13.40597	4.74912	4.092
15/10/23 14:00	5.46441	12.43364	4.84906	0.53639
15/10/23 15:00	6.15191	12.82994	5.57198	0.80589
15/10/23 16:00	8.77201	14.82917	6.60263	1.12727
15/10/23 17:00	12.11987	26.60294	17.6454	2.72626
15/10/23 18:00	37.01599	49.45679	19.331	5.09348
15/10/23 19:00	47.48151	52.30234	27.65832	7.14269
15/10/23 20:00	39.37349	57.50573	27.85589	10.72548
15/10/23 21:00	34.42795	52.45037	25.10213	12.68908
15/10/23 22:00	23.8686	47.38102	19.64037	12.3757
15/10/23 23:00	24.76453	42.31072	12.25319	10.47695
16/10/23 00:00	21.15267	36.3317	10.49211	9.61979
16/10/23 01:00	20.14661	28.97176	8.03166	11.13196
16/10/23 02:00	14.43102	28.58241	6.54286	9.21207
16/10/23 03:00	12.98685	26.15573	7.25173	8.18939
16/10/23 04:00	14.64192	27.79123	9.0066	10.26737
16/10/23 05:00	15.02168	25.79051	8.41499	9.93199
16/10/23 06:00	18.9392	25.7723	10.56825	12.58839
16/10/23 07:00	24.68717	33.93033	12.42594	16.92358
16/10/23 08:00	27.1107	54.09106	20.55304	19.06832

16/10/23 09:00	24.71263	48.49395	19.26693	19.71283
16/10/23 10:00	22.46905	41.82977	27.26318	18.31758
16/10/23 11:00	16.93123	21.32927	14.33366	6.13918
16/10/23 12:00	13.12642	5.21793	12.77047	7.37856
16/10/23 13:00	14.81197	4.63446	12.55953	8.70854
16/10/23 14:00	13.84754	4.73112	8.95093	7.54892
16/10/23 15:00	12.59384	8.48746	10.02833	10.39943
16/10/23 16:00	12.93172	7.66217	10.4349	10.81129
16/10/23 17:00	18.38139	15.27585	13.97606	15.45321
16/10/23 18:00	22.58713	22.25806	14.701	15.45809
16/10/23 19:00	17.71273	21.47559	17.68346	11.10978
16/10/23 20:00	14.74033	12.64163	16.2634	10.93847
16/10/23 21:00	12.11803	7.22453	14.35873	7.44363
16/10/23 22:00	10.88305	10.98203	9.55902	4.58077
16/10/23 23:00	9.3993	33.23976	7.55516	4.94641
17/10/23 00:00	9.05002	27.04253	6.62909	3.26847
17/10/23 01:00	7.52406	26.39319	5.13934	3.01503
17/10/23 02:00	6.13816	37.79966	5.00133	2.59093
17/10/23 03:00	4.70334	14.82849	7.14203	1.76189
17/10/23 04:00	7.4762	19.35741	7.39925	1.80839
17/10/23 05:00	9.45374	9.70452	6.78479	3.34599
17/10/23 06:00	9.65636	11.06928	10.94595	6.09821
17/10/23 07:00	18.83805	11.89996	13.46957	30.16649
17/10/23 08:00	19.78009	12.09363	18.56896	No data
17/10/23 09:00	14.17216	9.79944	16.21189	33.76502
17/10/23 10:00	10.55213	7.84597	11.53667	21.83821
17/10/23 11:00	8.36082	6.38379	6.85017	16.68854
17/10/23 12:00	7.61416	5.01954	6.95368	14.06465
17/10/23 13:00	6.46785	4.33808	6.17966	16.14128
17/10/23 14:00	5.718	4.04614	5.14842	17.18126
17/10/23 15:00	5.91186	5.85005	5.50605	17.28506
17/10/23 16:00	6.75345	8.77808	6.7377	16.78999
17/10/23 17:00	8.33373	7.70726	11.30824	19.64875
17/10/23 18:00	10.84734	10.6353	15.10788	21.01211
17/10/23 19:00	12.67093	9.36713	13.46023	16.66617
17/10/23 20:00	10.78912	6.53719	9.71196	15.08187
17/10/23 21:00	8.66081	8.09879	9.81353	15.40112
17/10/23 22:00	8.02024	6.92805	9.81275	14.08682
17/10/23 23:00	8.41272	6.68407	9.35044	10.5089
18/10/23 00:00	8.41113	6.7815	9.04262	8.47132
18/10/23 01:00	8.58477	6.49981	9.38587	8.18983
18/10/23 02:00	9.30848	6.56482	8.5644	8.37095
18/10/23 03:00	8.51463	7.40997	8.94063	8.03997
18/10/23 04:00	7.97341	8.28729	10.0191	10.07125
18/10/23 05:00	8.51775	10.62653	10.22614	11.01921
18/10/23 06:00	9.01416	11.60054	13.0015	14.30859
18/10/23 07:00	10.96281	13.30659	15.98582	19.30661
18/10/23 08:00	13.56412	13.20674	18.82838	22.81071
18/10/23 09:00	13.77142	10.8124	16.72629	19.83076
18/10/23 10:00	12.67572	10.56694	13.59324	19.68676
18/10/23 11:00	12.73457	11.05219	21.65236	18.51617
18/10/23 12:00	13.27423	11.88375	13.38929	17.70885
18/10/23 13:00	14.99687	12.90868	13.38311	16.10598
18/10/23 14:00	13.69777	12.91152	14.20201	No data
18/10/23 15:00	12.80937	16.4238	16.04877	No data
18/10/23 16:00	13.99156	21.34642	16.40183	24.15921
18/10/23 17:00	16.12178	23.00787	19.78712	22.73543
18/10/23 18:00	18.03066	21.79108	21.32487	20.35457
18/10/23 19:00	17.73219	20.91309	19.42673	18.78199
18/10/23 20:00	15.99396	18.86573	16.75065	16.79832
18/10/23 21:00	13.56995	16.28236	13.6682	16.84304
18/10/23 22:00	12.42944	13.06479	12.02346	16.66416
18/10/23 23:00	20.43289	12.52845	11.66577	15.2635
19/10/23 00:00	14.19184	12.08679	10.89285	15.44406
19/10/23 01:00	12.88039	10.77963	11.64832	19.92279
19/10/23 02:00	6.02481	12.14362	4.93458	16.93145
19/10/23 03:00	2.13438	5.21028	3.24042	17.89591
19/10/23 04:00	3.02484	3.50567	3.23889	8.76286
19/10/23 05:00	3.71497	6.62305	4.21551	9.22972
19/10/23 06:00	6.83731	7.0125	9.09782	23.39656
19/10/23 07:00	12.52139	5.45405	13.00848	39.13136
19/10/23 08:00	15.20269	9.3495	11.41645	36.32357
19/10/23 09:00	12.80703	10.17545	14.10049	33.55136
19/10/23 10:00	15.0016	9.34833	9.77533	37.16508
19/10/23 11:00	7.55336	7.15434	8.75308	31.25403
19/10/23 12:00	6.3125	7.83545	6.95514	30.23443
19/10/23 13:00	8.64569	6.96095	6.63882	28.49775
19/10/23 14:00	6.30563	4.81933	7.56175	21.56856
19/10/23 15:00	6.15481	6.23361	10.13844	35.30596
19/10/23 16:00	6.60195	6.38061	13.26921	23.44816
19/10/23 17:00	7.88394	11.54383	15.83289	26.58906
19/10/23 18:00	9.95813	15.29477	15.05644	26.63952
19/10/23 19:00	9.46376	11.78677	17.57562	29.24386
19/10/23 20:00	8.02561	8.81455	15.26273	25.83651
19/10/23 21:00	5.64748	7.10928	14.79992	22.91102
19/10/23 22:00	4.75549	7.74266	13.25773	18.76442
19/10/23 23:00	5.89429	6.135	10.12351	14.3579
20/10/23 00:00	6.24087	4.18661	5.75578	12.2924
20/10/23 01:00	5.28622	4.28213	5.27727	9.03687

20/10/23 02:00	7.46496	10.44745	7.27386	9.51142
20/10/23 03:00	7.83322	43.90045	5.86345	7.58394
20/10/23 04:00	7.03761	39.02905	7.45646	4.75866
20/10/23 05:00	6.83721	35.91465	7.96843	9.82828
20/10/23 06:00	8.32787	11.53504	8.84087	8.60706
20/10/23 07:00	14.83321	10.70423	7.65935	10.06746
20/10/23 08:00	9.03633	11.28829	9.4598	11.80438
20/10/23 09:00	9.03559	10.55917	11.88069	11.52983
20/10/23 10:00	13.44909	11.67545	10.95268	12.25115
20/10/23 11:00	18.89994	10.11268	11.7745	11.13717
20/10/23 12:00	19.70747	9.97061	14.30461	10.1449
20/10/23 13:00	18.87722	10.3606	14.50447	9.61316
20/10/23 14:00	16.44307	9.72835	14.50675	9.78833
20/10/23 15:00	19.5123	11.09172	22.84058	10.64512
20/10/23 16:00	15.42993	11.09205	20.93736	11.45403
20/10/23 17:00	20.20585	12.01492	14.19197	14.69891
20/10/23 18:00	24.87748	15.12981	11.41593	13.07447
20/10/23 19:00	19.68178	19.40918	11.10988	13.04295
20/10/23 20:00	16.2248	24.56954	10.19022	10.26523
20/10/23 21:00	12.56557	44.17213	8.23334	9.13946
20/10/23 22:00	8.04628	41.20412	7.20142	9.36514
20/10/23 23:00	7.53971	30.84867	6.84019	9.48555
21/10/23 00:00	7.63507	34.44893	6.73476	14.02376
21/10/23 01:00	8.33206	34.5578	7.0641	10.12326
21/10/23 02:00	8.32817	26.71036	6.24079	10.36274
21/10/23 03:00	6.94443	19.10976	6.38148	13.95397
21/10/23 04:00	5.9028	17.84836	5.86867	12.28858
21/10/23 05:00	5.40859	34.86751	7.92743	11.70939
21/10/23 06:00	7.74114	32.57668	6.54996	17.88165
21/10/23 07:00	12.46017	24.40391	6.28697	22.05295
21/10/23 08:00	12.86471	18.45939	7.37076	21.60523
21/10/23 09:00	14.11334	26.17141	8.21676	21.84104
21/10/23 10:00	13.52873	23.82446	7.38882	23.2616
21/10/23 11:00	12.65837	20.56727	6.77774	25.22484
21/10/23 12:00	15.00839	23.28218	6.66968	23.92918
21/10/23 13:00	18.09026	23.03395	7.73879	21.09401
21/10/23 14:00	16.97213	25.21272	9.03191	22.52793
21/10/23 15:00	18.28998	21.24853	8.30788	23.15341
21/10/23 16:00	18.41757	25.50262	10.15844	23.89179
21/10/23 17:00	27.53996	33.6412	10.82881	28.58396
21/10/23 18:00	27.35704	36.90669	17.42377	32.6738
21/10/23 19:00	30.8019	32.09253	19.67697	35.21831
21/10/23 20:00	34.54634	29.02928	17.00773	26.66578
21/10/23 21:00	31.79105	25.15658	14.3509	23.8243
21/10/23 22:00	19.23399	27.64267	15.02353	26.36399
21/10/23 23:00	12.38651	26.77993	9.10798	25.06227
22/10/23 00:00	10.6794	23.42893	4.26982	22.46604
22/10/23 01:00	10.80775	22.08858	3.22606	19.04674
22/10/23 02:00	7.03389	20.98933	3.08701	17.60589
22/10/23 03:00	9.90256	11.46869	2.98458	20.24223
22/10/23 04:00	8.75551	9.71929	4.0137	21.66053
22/10/23 05:00	8.98855	8.11605	5.14749	13.5389
22/10/23 06:00	10.2858	8.79597	4.78396	16.57137
22/10/23 07:00	14.96112	12.05056	16.41312	16.89036
22/10/23 08:00	14.98458	14.2282	17.88254	18.98689
22/10/23 09:00	21.2593	10.77121	11.66087	16.30024
22/10/23 10:00	18.90265	12.46322	8.04792	12.39574
22/10/23 11:00	14.77286	12.61287	7.01544	15.66932
22/10/23 12:00	14.28742	13.34571	6.91824	11.23114
22/10/23 13:00	10.87043	15.1482	6.5964	11.07525
22/10/23 14:00	8.32267	15.73405	6.13455	15.49572
22/10/23 15:00	10.9419	11.85147	5.51103	12.70035
22/10/23 16:00	16.20381	20.54574	6.02913	19.69735
22/10/23 17:00	21.65059	19.43775	12.45193	25.87489
22/10/23 18:00	32.01852	23.32861	30.18915	42.45401
22/10/23 19:00	23.91768	20.16877	36.56876	41.24971
22/10/23 20:00	25.06189	19.29406	34.86508	40.11651
22/10/23 21:00	26.97062	31.05046	27.09617	38.14392
22/10/23 22:00	19.86735	26.43703	21.80381	36.27122
22/10/23 23:00	11.36478	17.10764	16.65855	39.69943
23/10/23 00:00	7.49505	14.77471	14.71392	33.80173
23/10/23 01:00	8.01103	11.39601	14.34856	31.85678
23/10/23 02:00	8.40893	11.97937	9.13144	26.86012
23/10/23 03:00	8.34184	9.56678	7.1622	21.7232
23/10/23 04:00	8.34045	11.75042	6.2905	22.82739
23/10/23 05:00	5.71055	15.33863	6.46211	28.79102
23/10/23 06:00	8.05036	25.23569	7.9947	33.32694
23/10/23 07:00	17.95611	27.60271	13.43164	39.49916
23/10/23 08:00	24.24055	19.42238	22.213	45.2114
23/10/23 09:00	19.00887	13.73676	20.511	41.3981
23/10/23 10:00	18.91587	10.58011	16.39251	36.14927
23/10/23 11:00	15.36574	11.35436	15.57259	30.69287
23/10/23 12:00	15.50767	9.85047	12.73227	30.54678
23/10/23 13:00	15.50558	9.17221	8.75618	26.30881
23/10/23 14:00	10.70384	11.79519	12.51037	25.02921
23/10/23 15:00	10.55013	9.41857	10.70299	28.97454
23/10/23 16:00	11.64039	11.41054	9.56982	26.51036
23/10/23 17:00	14.46115	13.40434	13.57475	31.51896
23/10/23 18:00	13.80845	13.25927	14.60177	28.28553

23/10/23 19:00	10.92281	12.14201	13.77926	23.99297
23/10/23 20:00	11.66851	11.6569	13.5226	22.35191
23/10/23 21:00	12.41074	10.83093	14.03741	22.71245
23/10/23 22:00	11.32117	10.39308	13.57327	22.83463
23/10/23 23:00	10.32528	9.95688	12.85357	17.91606
24/10/23 00:00	10.02825	8.74181	11.36314	16.63371
24/10/23 01:00	10.19616	8.28178	11.72618	15.60768
24/10/23 02:00	10.26145	7.95774	9.39739	14.94812
24/10/23 03:00	8.88967	8.83102	10.49824	13.52203
24/10/23 04:00	8.39589	9.21769	12.00207	15.69015
24/10/23 05:00	11.42238	16.43912	15.45622	17.72904
24/10/23 06:00	18.54299	23.18704	14.99489	18.33134
24/10/23 07:00	27.57809	25.02925	24.58851	25.32286
24/10/23 08:00	32.61362	37.85174	22.92267	39.41603
24/10/23 09:00	30.81291	30.3477	26.01509	49.58037
24/10/23 10:00	32.28746	34.01858	32.49233	42.75781
24/10/23 11:00	25.08284	30.15651	19.39746	39.96476
24/10/23 12:00	16.45345	29.12461	11.08689	31.2404
24/10/23 13:00	12.92102	32.49335	8.45527	28.5967
24/10/23 14:00	12.1138	33.1853	7.5368	26.35581
24/10/23 15:00	12.89531	25.34343	8.20187	28.21298
24/10/23 16:00	14.82549	36.43882	10.31312	39.49321
24/10/23 17:00	36.50184	58.97385	20.91823	47.63787
24/10/23 18:00	49.35712	81.47498	31.22365	44.03188
24/10/23 19:00	36.56529	73.91017	41.03617	45.94825
24/10/23 20:00	22.97518	70.3963	30.47882	39.57191
24/10/23 21:00	24.89129	56.95403	21.82122	38.74398
24/10/23 22:00	21.35384	59.83403	17.56315	39.38557
24/10/23 23:00	13.61162	40.94926	13.24662	39.61165
25/10/23 00:00	17.03191	18.38832	16.27415	30.35799
25/10/23 01:00	26.39245	12.99441	13.93464	26.09726
25/10/23 02:00	No data	12.99573	10.28885	32.17583
25/10/23 03:00	27.28206	8.24351	9.15712	28.59398
25/10/23 04:00	19.23077	24.24549	7.8242	12.84705
25/10/23 05:00	10.78406	12.8984	6.17585	11.26399
25/10/23 06:00	10.68933	21.04094	7.36615	14.78007
25/10/23 07:00	13.58827	40.61159	14.16122	23.16399
25/10/23 08:00	20.06908	47.66329	15.99327	26.01842
25/10/23 09:00	18.3298	38.05425	10.00819	29.46129
25/10/23 10:00	14.55165	25.55659	9.95677	26.32086
25/10/23 11:00	22.30421	21.90692	7.43174	23.43525
25/10/23 12:00	20.80671	26.26022	8.61586	21.05111
25/10/23 13:00	20.16951	28.1522	8.87732	15.54085
25/10/23 14:00	18.67663	26.9924	10.18426	15.19353
25/10/23 15:00	21.29687	24.58766	12.32609	20.48842
25/10/23 16:00	25.35505	35.48189	18.6295	27.43746
25/10/23 17:00	45.66431	47.59845	23.73406	33.39719
25/10/23 18:00	46.43962	50.05236	35.93626	33.94068
25/10/23 19:00	43.30073	50.43494	40.33131	35.90871
25/10/23 20:00	38.63506	51.391	38.70811	38.56029
25/10/23 21:00	35.86409	42.41647	29.37763	35.28975
25/10/23 22:00	27.88649	38.88492	23.73597	35.15418
25/10/23 23:00	24.45167	36.86673	18.02031	34.8496
26/10/23 00:00	19.88314	29.80133	17.45394	32.65519
26/10/23 01:00	13.59387	23.12547	20.33538	29.52828
26/10/23 02:00	11.33084	17.89626	29.96887	28.0766
26/10/23 03:00	13.56576	15.16686	23.24733	22.5048
26/10/23 04:00	17.91158	11.14472	16.56224	18.98237
26/10/23 05:00	21.17341	10.32159	16.97797	16.49685
26/10/23 06:00	23.17796	11.77512	19.29577	24.68503
26/10/23 07:00	24.77257	15.84441	24.82327	29.8055
26/10/23 08:00	24.7765	21.26338	23.93929	31.56102
26/10/23 09:00	24.55682	20.57298	25.69933	No data
26/10/23 10:00	25.0269	15.39915	24.1015	23.03726
26/10/23 11:00	21.55913	19.80738	15.91243	23.87093
26/10/23 12:00	15.82463	22.46601	18.48141	30.18585
26/10/23 13:00	13.98156	22.50789	11.45957	31.85402
26/10/23 14:00	15.80829	22.87998	8.86843	29.13488
26/10/23 15:00	14.34704	28.83654	9.17843	28.5584
26/10/23 16:00	23.06877	40.21387	14.94145	36.63221
26/10/23 17:00	46.61611	56.77327	20.0769	43.86294
26/10/23 18:00	50.01974	56.82174	44.26306	46.39506
26/10/23 19:00	31.9193	48.88246	40.38698	43.6967
26/10/23 20:00	29.90231	28.19291	48.70565	41.77911
26/10/23 21:00	22.55488	27.23229	42.14574	39.17424
26/10/23 22:00	17.10216	27.95782	38.85057	37.263
26/10/23 23:00	14.37582	23.69235	25.48912	31.61307
27/10/23 00:00	13.67167	20.25413	15.59631	28.96848
27/10/23 01:00	17.57475	17.88195	13.19733	22.44618
27/10/23 02:00	17.0394	15.36463	15.73758	No data
27/10/23 03:00	11.23616	12.68516	20.73219	23.19992
27/10/23 04:00	12.38452	13.12104	22.18696	22.05987
27/10/23 05:00	8.95824	14.81399	19.45993	22.85216
27/10/23 06:00	14.08609	15.97453	19.30992	28.53137
27/10/23 07:00	19.31788	29.57732	21.9273	30.01608
27/10/23 08:00	20.18228	35.10313	27.66351	32.55201
27/10/23 09:00	18.47831	25.83168	18.7563	34.52166
27/10/23 10:00	11.97024	25.71715	11.80675	29.54335
27/10/23 11:00	13.17996	19.44314	13.50083	29.70769

27/10/23 12:00	13.68477	20.36416	10.20626	34.59502
27/10/23 13:00	12.27882	21.18732	10.46628	32.97793
27/10/23 14:00	11.967	18.67482	13.55334	29.22975
27/10/23 15:00	13.4058	17.95132	17.05972	33.34184
27/10/23 16:00	14.50316	13.55347	15.39957	36.75448
27/10/23 17:00	25.38037	26.77433	14.92811	39.67584
27/10/23 18:00	26.30465	25.6133	43.83101	40.11984
27/10/23 19:00	21.48538	29.09803	23.41493	36.19559
27/10/23 20:00	21.03417	18.93326	21.50869	36.5313
27/10/23 21:00	24.18037	16.02773	24.90113	38.9497
27/10/23 22:00	15.26665	13.80006	24.90078	43.92807
27/10/23 23:00	17.80087	13.02549	21.29653	41.10971
28/10/23 00:00	15.01425	12.54135	19.34885	37.08179
28/10/23 01:00	11.86844	11.03224	12.62082	32.04738
28/10/23 02:00	7.82391	9.80668	12.48412	24.70476
28/10/23 03:00	6.16688	9.96799	11.31921	26.32107
28/10/23 04:00	5.86793	10.54873	9.36379	20.46077
28/10/23 05:00	5.96801	9.87137	8.74652	21.22469
28/10/23 06:00	7.95606	8.80652	6.79216	22.18932
28/10/23 07:00	10.0984	9.24207	11.78464	24.58917
28/10/23 08:00	13.39067	9.72471	9.06117	28.041
28/10/23 09:00	11.05716	8.90052	9.42656	25.20985
28/10/23 10:00	9.67471	10.97525	8.45133	28.09179
28/10/23 11:00	7.78674	12.61886	6.85422	26.52859
28/10/23 12:00	8.77852	11.50463	6.64988	30.66813
28/10/23 13:00	9.03096	10.34497	6.90601	28.27767
28/10/23 14:00	6.12937	8.36407	7.01066	27.19871
28/10/23 15:00	7.51888	7.35107	7.8298	25.10392
28/10/23 16:00	9.25963	8.22414	11.63705	27.33145
28/10/23 17:00	9.85624	11.46774	14.87598	33.575
28/10/23 18:00	9.36806	13.06476	14.14839	30.78603
28/10/23 19:00	9.01683	9.19368	11.52461	25.86162
28/10/23 20:00	7.86241	7.1611	11.16595	19.97024
28/10/23 21:00	13.3311	7.64488	11.88575	18.41502
28/10/23 22:00	12.78249	8.32225	13.12066	21.56101
28/10/23 23:00	11.68614	7.40307	12.55412	26.11196
29/10/23 00:00	13.03686	7.98315	9.10766	23.3881
29/10/23 01:00	5.50956	11.08755	3.02005	25.64097
29/10/23 02:00	6.2466	7.86104	3.29583	26.28374
29/10/23 03:00	5.88424	5.65497	2.41973	16.40596
29/10/23 04:00	3.98616	5.17253	2.0596	10.75586
29/10/23 05:00	3.98552	5.80087	2.00851	15.38454
29/10/23 06:00	2.98771	3.72244	2.67766	8.52664
29/10/23 07:00	5.43856	4.20603	3.55225	8.77439
29/10/23 08:00	7.62802	7.49259	5.45751	11.45406
29/10/23 09:00	6.63403	6.86213	7.52132	10.25683
29/10/23 10:00	7.38255	9.80657	6.6562	8.67143
29/10/23 11:00	7.03315	8.30763	6.03604	12.10198
29/10/23 12:00	8.32426	6.71607	7.93885	12.09145
29/10/23 13:00	9.41708	9.27807	12.21591	11.09019
29/10/23 14:00	7.72685	9.76248	7.31624	13.29102
29/10/23 15:00	5.78414	11.79123	6.13262	13.07661
29/10/23 16:00	8.31981	9.2802	6.3881	14.48066
29/10/23 17:00	12.44242	13.68114	10.61055	19.61067
29/10/23 18:00	11.94129	16.8223	9.73	22.85577
29/10/23 19:00	11.09394	16.3397	13.43378	27.63333
29/10/23 20:00	10.40089	14.59912	11.32379	21.77993
29/10/23 21:00	10.4978	10.92619	7.92658	19.37462
29/10/23 22:00	8.00932	11.7968	7.41107	19.86165
29/10/23 23:00	5.27408	7.97781	7.20633	19.78501
30/10/23 00:00	4.0818	7.10752	8.18276	19.87861
30/10/23 01:00	3.4524	7.92414	5.97038	17.58606
30/10/23 02:00	2.98642	6.18455	2.88321	14.05007
30/10/23 03:00	2.43943	3.57533	2.31746	13.84627
30/10/23 04:00	3.0389	5.84663	2.8313	15.94185
30/10/23 05:00	4.62824	13.52768	4.68533	36.74785
30/10/23 06:00	6.17035	10.96695	6.17781	49.02939
30/10/23 07:00	11.64553	15.60372	12.56005	52.7051
30/10/23 08:00	20.62259	25.44682	18.34014	54.5851
30/10/23 09:00	21.03255	28.76925	20.41319	39.45077
30/10/23 10:00	14.84641	22.1457	11.45762	33.6428
30/10/23 11:00	9.59661	17.8534	9.23612	24.71549
30/10/23 12:00	11.28418	13.9485	9.22673	32.59495
30/10/23 13:00	11.83327	12.6954	9.65121	33.68509
30/10/23 14:00	13.51894	11.68163	8.40766	26.79926
30/10/23 15:00	15.51192	14.00353	7.78258	26.64007
30/10/23 16:00	16.54522	18.9309	10.15636	27.28061
30/10/23 17:00	28.72482	30.71817	19.9178	32.06871
30/10/23 18:00	44.03788	61.82901	45.06734	32.27773
30/10/23 19:00	52.52869	47.8746	50.50616	30.04906
30/10/23 20:00	33.54116	38.0518	45.13578	27.82842
30/10/23 21:00	34.58897	57.93526	32.09144	19.19137
30/10/23 22:00	21.68164	42.39521	18.57166	12.43384
30/10/23 23:00	20.92043	37.83248	16.59835	9.87719
31/10/23 00:00	15.18757	41.8835	15.39754	10.12253
31/10/23 01:00	13.94609	18.59992	13.57565	10.85018
31/10/23 02:00	11.21588	12.42046	10.42637	9.85203
31/10/23 03:00	10.50057	7.48066	11.18391	8.80778
31/10/23 04:00	9.62679	4.68223	9.60656	9.0269

31/10/23 05:00	9.36172	5.21255	10.15179	8.72408
31/10/23 06:00	10.01486	7.48246	14.36974	12.89432
31/10/23 07:00	13.6492	7.38605	22.8349	17.27438
31/10/23 08:00	19.90608	15.73373	24.77522	28.96559
31/10/23 09:00	20.93819	22.05047	28.66807	29.60144
31/10/23 10:00	20.598	20.79014	34.01657	25.5951
31/10/23 11:00	23.92253	26.33382	27.09742	30.65112
31/10/23 12:00	20.49473	23.97437	29.79809	27.84267
31/10/23 13:00	23.82676	26.8527	32.981	27.24867
31/10/23 14:00	19.19973	23.43178	13.71952	22.34842
31/10/23 15:00	15.32067	22.12807	10.3146	26.73313
31/10/23 16:00	23.93162	20.84496	12.88378	30.80688
31/10/23 17:00	55.73054	32.13479	34.98551	47.11412
31/10/23 18:00	43.13818	42.88807	53.91156	49.47911
31/10/23 19:00	34.88527	40.67675	53.14706	46.95604
31/10/23 20:00	22.31553	29.15416	55.15209	44.08656
31/10/23 21:00	16.33497	22.10905	43.32365	38.59637
31/10/23 22:00	18.92061	17.76499	29.56316	35.55834
31/10/23 23:00	21.01677	18.15127	22.44249	32.53485
01/11/23 00:00	9.90533	15.83324	10.65347	30.27623
01/11/23 01:00	8.09904	10.48375	7.27431	26.86076
01/11/23 02:00	3.31826	4.43762	7.20751	22.4045
01/11/23 03:00	3.137	3.81054	6.69194	13.04203
01/11/23 04:00	4.68061	3.47329	4.27304	14.83407
01/11/23 05:00	5.67609	2.65305	5.04503	15.91641
01/11/23 06:00	4.38383	3.27996	4.89131	17.1323
01/11/23 07:00	4.53563	6.02886	6.54027	24.08013
01/11/23 08:00	17.28193	14.08206	6.64559	20.87973
01/11/23 09:00	14.97806	17.60033	10.35318	17.49728
01/11/23 10:00	15.32772	13.11414	6.85793	15.37517
01/11/23 11:00	11.34333	10.36377	8.09823	10.91818
01/11/23 12:00	11.23572	10.02717	7.36952	11.35413
01/11/23 13:00	9.48433	11.08718	6.80647	10.91123
01/11/23 14:00	8.39488	10.26956	5.51845	10.55899
01/11/23 15:00	10.68759	12.77329	6.24614	8.9803
01/11/23 16:00	17.26953	16.10183	10.31945	13.74607
01/11/23 17:00	20.4563	15.96116	11.71756	20.62788
01/11/23 18:00	21.79895	19.72362	12.5376	20.61744
01/11/23 19:00	25.9595	17.16902	17.15726	17.50134
01/11/23 20:00	15.89153	19.38963	17.14669	16.61669
01/11/23 21:00	9.96037	8.58541	15.44899	26.9648
01/11/23 22:00	10.60805	9.30996	12.25333	23.54758
01/11/23 23:00	6.62551	10.80536	13.69233	18.83019
02/11/23 00:00	4.82869	9.01998	9.83204	14.3202
02/11/23 01:00	3.32166	5.14052	6.04079	9.28338
02/11/23 02:00	3.38805	2.05512	2.95379	4.28597
02/11/23 03:00	2.68979	1.97493	2.83234	2.86338
02/11/23 04:00	5.44226	1.78208	2.78087	3.30283
02/11/23 05:00	3.14464	1.92656	2.83234	3.61437
02/11/23 06:00	2.69532	2.74536	6.80248	6.60681
02/11/23 07:00	10.45919	10.16719	6.02803	17.30181
02/11/23 08:00	18.29189	42.20439	6.64637	27.48922
02/11/23 09:00	33.33894	55.22913	9.90299	27.91393
02/11/23 10:00	25.20197	33.57492	9.18812	34.54814
02/11/23 11:00	24.86882	25.59116	10.31477	32.0711
02/11/23 12:00	23.67144	23.17743	12.53282	33.03459
02/11/23 13:00	20.01418	25.20155	12.84368	30.51018
02/11/23 14:00	12.73652	24.19642	14.99776	25.80441
02/11/23 15:00	10.98963	21.44943	11.54842	26.54878
02/11/23 16:00	9.59188	21.45041	10.27073	29.48488
02/11/23 17:00	11.45186	18.61417	9.43535	27.30239
02/11/23 18:00	14.22279	18.7119	7.73574	29.81838
02/11/23 19:00	12.32224	15.54306	5.98534	26.52801
02/11/23 20:00	9.03008	14.38758	3.91968	19.99484
02/11/23 21:00	8.32874	12.32258	3.4544	18.15214
02/11/23 22:00	7.08097	10.44962	3.04229	17.13666
02/11/23 23:00	5.73608	10.16002	2.68063	12.24983
03/11/23 00:00	5.0372	6.3087	1.49406	8.01295
03/11/23 01:00	4.58992	7.50662	1.1682	6.63392
03/11/23 02:00	2.79542	5.07132	0.96317	7.57486
03/11/23 03:00	2.69663	6.73818	0.98011	6.50613
03/11/23 04:00	4.74278	7.9452	1.03159	5.53767
03/11/23 05:00	4.74156	11.41178	2.0107	10.64507
03/11/23 06:00	9.42663	15.01752	5.31238	14.19932
03/11/23 07:00	10.72757	17.09089	9.48252	17.3957
03/11/23 08:00	21.69758	24.64026	11.65502	23.01942
03/11/23 09:00	21.49777	28.23689	12.28247	23.39037
03/11/23 10:00	16.46226	26.06879	9.3094	18.86823
03/11/23 11:00	14.27218	20.33174	6.30354	16.88021
03/11/23 12:00	12.95358	17.21345	7.12586	11.44875
03/11/23 13:00	13.54816	17.02449	9.14292	15.35034
03/11/23 14:00	15.81483	17.74551	6.40047	16.28474
03/11/23 15:00	14.64503	20.83482	8.15879	21.98012
03/11/23 16:00	18.36741	32.6644	13.37056	22.72037
03/11/23 17:00	26.43963	34.79148	23.68444	25.81071
03/11/23 18:00	27.93127	44.66552	19.29366	30.58525
03/11/23 19:00	20.99719	38.90145	15.78372	29.33921
03/11/23 20:00	18.8065	46.92672	8.66354	26.60937
03/11/23 21:00	17.95316	32.646	8.04144	26.55944

03/11/23 22:00	14.36131	27.53947	8.14172	21.41765
03/11/23 23:00	14.119	21.3742	7.41801	19.10096
04/11/23 00:00	13.12295	15.64772	6.6973	19.26328
04/11/23 01:00	17.35782	13.08779	7.76026	21.70368
04/11/23 02:00	12.09682	12.31907	9.20142	22.49703
04/11/23 03:00	7.82841	12.46403	8.60042	26.45057
04/11/23 04:00	6.08122	8.71139	8.70372	29.75372
04/11/23 05:00	6.18508	7.07479	7.10734	35.32841
04/11/23 06:00	7.83203	6.64202	8.5496	22.6701
04/11/23 07:00	6.95102	7.74908	11.94732	21.26093
04/11/23 08:00	6.4426	7.94131	13.85328	20.32167
04/11/23 09:00	11.33547	9.96238	13.75263	20.54082
04/11/23 10:00	8.88903	10.58608	12.15757	27.30263
04/11/23 11:00	8.39027	9.6711	6.69744	25.82461
04/11/23 12:00	7.39575	6.73505	5.0499	23.34366
04/11/23 13:00	7.80031	6.49435	8.65655	20.81107
04/11/23 14:00	12.64819	6.97656	19.38909	18.67207
04/11/23 15:00	18.65727	10.24894	23.66671	21.80887
04/11/23 16:00	30.23458	20.42911	17.02539	20.27634
04/11/23 17:00	38.21667	36.34427	14.58601	28.11687
04/11/23 18:00	19.58931	38.6831	43.59132	33.43281
04/11/23 19:00	26.56843	58.37873	51.35382	28.47375
04/11/23 20:00	34.71444	57.25396	25.80822	39.5899
04/11/23 21:00	36.81035	47.51908	25.49533	41.80465
04/11/23 22:00	44.10893	35.46227	26.62934	36.06984
04/11/23 23:00	36.50079	40.33729	23.91287	23.47797
05/11/23 00:00	37.8111	29.86844	20.25573	30.65121
05/11/23 01:00	36.13128	22.17838	13.81041	26.55699
05/11/23 02:00	14.82983	15.57799	9.13435	18.05648
05/11/23 03:00	11.1722	12.642	8.03508	14.99339
05/11/23 04:00	10.82697	7.54464	5.76877	10.45992
05/11/23 05:00	7.0855	8.50801	5.2545	4.90615
05/11/23 06:00	7.98305	6.34594	4.94555	6.77427
05/11/23 07:00	8.64638	7.01777	4.43194	9.06373
05/11/23 08:00	10.99798	8.36467	7.11413	10.56477
05/11/23 09:00	9.79906	10.42339	6.49655	8.18638
05/11/23 10:00	10.11776	10.61207	10.91934	10.63997
05/11/23 11:00	7.76378	11.85612	4.91506	10.10922
05/11/23 12:00	6.20768	9.59947	3.9905	11.90408
05/11/23 13:00	6.44966	12.00221	4.41852	15.97226
05/11/23 14:00	7.95174	10.56705	3.51952	21.08192
05/11/23 15:00	9.6424	12.10539	4.02952	19.56943
05/11/23 16:00	15.72531	16.29414	5.8944	23.12059
05/11/23 17:00	17.2844	19.42282	9.08199	25.19772
05/11/23 18:00	16.26986	30.4306	7.58051	38.47488
05/11/23 19:00	16.32387	30.91666	11.08494	39.96276
05/11/23 20:00	26.00751	25.9147	7.73598	32.72767
05/11/23 21:00	24.44087	26.00377	13.08427	26.53234
05/11/23 22:00	18.65694	18.84752	16.79729	30.76409
05/11/23 23:00	17.90949	14.04106	10.56082	30.5236
06/11/23 00:00	14.16682	11.5894	5.04886	22.79232
06/11/23 01:00	11.77993	6.85543	3.57232	17.22619
06/11/23 02:00	5.53194	5.18975	2.61144	14.99211
06/11/23 03:00	5.14881	4.80543	2.37057	10.9365
06/11/23 04:00	5.29952	5.38223	2.98888	10.19222
06/11/23 05:00	5.74576	7.97689	3.96866	13.97549
06/11/23 06:00	7.19185	11.38594	8.60939	14.02139
06/11/23 07:00	11.58292	16.04878	6.70524	19.80917
06/11/23 08:00	22.16113	25.69133	11.30943	25.63859
06/11/23 09:00	30.43097	26.39728	15.54143	23.25919
06/11/23 10:00	20.15657	21.06441	9.87592	17.52327
06/11/23 11:00	15.38284	15.44962	5.11495	13.25853
06/11/23 12:00	11.47719	14.20408	3.409	12.91248
06/11/23 13:00	9.25561	15.88465	3.87931	11.91508
06/11/23 14:00	12.66162	13.92086	4.64887	9.0565
06/11/23 15:00	13.89945	17.2799	5.73164	10.62005
06/11/23 16:00	14.59313	24.82758	12.08061	14.46006
06/11/23 17:00	25.35782	37.23649	22.84028	16.58007
06/11/23 18:00	35.20031	54.21891	22.48271	23.76265
06/11/23 19:00	40.46005	36.26207	20.84873	27.03397
06/11/23 20:00	26.52141	23.83259	15.95407	28.70497
06/11/23 21:00	23.10237	21.28649	14.38018	34.08824
06/11/23 22:00	20.95135	18.83036	12.78957	35.88698
06/11/23 23:00	19.21448	15.37665	13.34533	19.2157
07/11/23 00:00	18.0194	14.89711	10.61297	29.38224
07/11/23 01:00	12.25002	16.64422	7.8301	21.79407
07/11/23 02:00	10.18606	8.89956	8.17432	18.88703
07/11/23 03:00	8.43905	11.13846	5.87386	15.43148
07/11/23 04:00	8.94291	7.68331	6.74881	20.14287
07/11/23 05:00	9.68962	9.41129	8.86149	15.49198
07/11/23 06:00	26.4504	16.99304	11.49019	18.69895
07/11/23 07:00	19.52765	15.65271	14.69736	29.09325
07/11/23 08:00	28.07989	24.66843	14.50132	38.1159
07/11/23 09:00	26.58061	31.65813	16.88569	32.37175
07/11/23 10:00	16.88219	27.66057	13.64278	20.88247
07/11/23 11:00	12.17552	22.76644	4.85759	17.09842
07/11/23 12:00	11.51386	19.697	5.38037	11.85111
07/11/23 13:00	10.21695	18.44722	5.3778	13.61115
07/11/23 14:00	11.01176	20.9914	3.51717	15.91944

07/11/23 15:00	11.99897	20.27417	4.90813	17.58901
07/11/23 16:00	18.49293	25.03602	7.44155	23.44525
07/11/23 17:00	26.07558	44.55512	11.41003	26.56613
07/11/23 18:00	31.48673	59.62936	10.49259	39.98553
07/11/23 19:00	26.11958	55.99762	13.62959	36.75883
07/11/23 20:00	29.15334	43.2342	9.95984	29.5499
07/11/23 21:00	22.36316	33.07722	12.01426	28.45208
07/11/23 22:00	27.00707	23.76507	19.2971	38.87406
07/11/23 23:00	24.80917	18.14837	16.49297	30.46074
08/11/23 00:00	19.06074	15.02977	6.18418	30.12488
08/11/23 01:00	21.03097	13.81938	9.82373	27.25884
08/11/23 02:00	5.05535	8.89109	7.14511	20.81275
08/11/23 03:00	3.32564	8.06129	6.59543	13.01156
08/11/23 04:00	3.39485	5.32609	6.49241	21.02141
08/11/23 05:00	3.34382	5.51839	5.6679	10.79707
08/11/23 06:00	5.24015	5.80603	8.24509	15.44189
08/11/23 07:00	9.33496	7.91682	10.35994	24.32467
08/11/23 08:00	13.7627	10.84125	9.48806	25.18518
08/11/23 09:00	14.55138	13.23855	12.0147	22.52659
08/11/23 10:00	13.19726	13.28638	9.44197	15.71094
08/11/23 11:00	13.84967	12.27898	7.89024	16.91762
08/11/23 12:00	13.94884	15.38215	7.84128	18.08744
08/11/23 13:00	15.4949	21.75136	5.79514	20.40444
08/11/23 14:00	15.89911	25.86128	5.47938	23.72362
08/11/23 15:00	18.94078	31.21469	10.01274	26.85188
08/11/23 16:00	22.9283	42.90417	15.80406	23.0461
08/11/23 17:00	47.04841	55.73872	28.48299	37.96907
08/11/23 18:00	58.36982	64.26767	38.17976	49.98242
08/11/23 19:00	57.16051	61.16435	33.86667	50.67805
08/11/23 20:00	47.36507	51.5559	26.76685	44.59719
08/11/23 21:00	31.00831	42.74205	22.84239	42.40765
08/11/23 22:00	25.85977	29.21149	22.47288	39.54963
08/11/23 23:00	32.92323	19.18405	18.60121	32.22297
09/11/23 00:00	21.16068	21.68525	18.1376	36.07743
09/11/23 01:00	12.58997	11.95475	9.75668	34.60936
09/11/23 02:00	7.12184	12.84975	8.58893	18.50763
09/11/23 03:00	6.93777	11.21847	6.18379	20.95625
09/11/23 04:00	4.84423	15.05141	4.84431	18.40004
09/11/23 05:00	6.49051	9.20617	4.63887	15.63927
09/11/23 06:00	18.00252	16.15606	7.52516	24.80584
09/11/23 07:00	12.53893	15.821	18.19642	42.06131
09/11/23 08:00	21.49593	22.86212	17.17047	43.78167
09/11/23 09:00	23.23278	25.14911	14.24433	33.21507
09/11/23 10:00	20.87082	18.8787	9.81122	26.45847
09/11/23 11:00	15.32127	13.02685	5.99191	16.37806
09/11/23 12:00	11.67548	11.01632	5.2185	12.76242
09/11/23 13:00	11.52179	11.40144	7.54882	11.8497
09/11/23 14:00	13.406	12.41049	6.9265	14.37709
09/11/23 15:00	17.35226	13.22723	7.08295	21.1807
09/11/23 16:00	21.84901	17.11135	8.56847	15.81716
09/11/23 17:00	24.59223	16.25084	8.66803	18.86963
09/11/23 18:00	22.30317	19.46339	8.25241	21.61277
09/11/23 19:00	23.48953	18.31336	8.8207	22.26884
09/11/23 20:00	19.13382	15.77223	8.35766	19.36702
09/11/23 21:00	18.63667	18.12024	6.9654	22.63648
09/11/23 22:00	17.09937	13.42229	7.42686	16.87318
09/11/23 23:00	15.15435	12.99115	7.168	12.96801
10/11/23 00:00	16.53623	9.82818	4.5352	10.14609
10/11/23 01:00	15.87484	10.53955	3.43667	9.58626
10/11/23 02:00	6.46454	8.04934	2.68221	14.53796
10/11/23 03:00	7.11162	6.85135	2.62996	15.83175
10/11/23 04:00	8.06373	5.94052	2.21714	21.43393
10/11/23 05:00	14.24067	6.99366	3.91777	23.98432
10/11/23 06:00	30.90338	8.4318	9.43501	24.46543
10/11/23 07:00	26.67236	18.24817	21.80882	39.65395
10/11/23 08:00	43.33097	29.96724	34.83464	44.10564
10/11/23 09:00	51.29455	43.81487	42.58397	44.72376
10/11/23 10:00	38.73082	32.25261	25.76935	50.35238
10/11/23 11:00	23.79825	28.72428	13.18196	39.18138
10/11/23 12:00	18.90564	30.92884	11.6815	31.57472
10/11/23 13:00	15.42486	24.15391	13.37589	30.31176
10/11/23 14:00	16.71147	21.49664	11.35861	32.38795
10/11/23 15:00	19.908	26.16211	6.40565	31.6111
10/11/23 16:00	22.09967	33.3254	11.92445	28.49241
10/11/23 17:00	41.11628	51.84301	22.56045	43.68946
10/11/23 18:00	55.24564	55.57742	36.92749	47.07048
10/11/23 19:00	63.73045	58.56332	33.25548	47.15636
10/11/23 20:00	48.24784	47.55894	23.36612	47.13414
10/11/23 21:00	36.13846	40.29514	16.05082	42.34174
10/11/23 22:00	24.48468	37.22863	10.21069	41.63243
10/11/23 23:00	24.82602	39.23297	8.92288	46.21812
11/11/23 00:00	23.28876	37.77541	6.65328	41.07067
11/11/23 01:00	19.98499	33.48218	6.73758	34.14181
11/11/23 02:00	9.59054	25.71857	11.27236	27.39994
11/11/23 03:00	10.19009	19.62766	7.83527	24.2609
11/11/23 04:00	10.80092	25.77335	5.7737	23.74687
11/11/23 05:00	9.79753	17.07334	13.30658	20.20129
11/11/23 06:00	9.64835	17.7455	9.58951	16.26018
11/11/23 07:00	22.70421	22.14709	8.04696	20.6269

11/11/23 08:00	25.32491	34.67101	10.80162	32.24814
11/11/23 09:00	32.84128	34.6059	16.38743	31.42454
11/11/23 10:00	21.18165	27.74691	11.48111	39.55075
11/11/23 11:00	17.05699	26.49096	11.48327	28.97948
11/11/23 12:00	13.43036	22.10224	12.21584	22.0559
11/11/23 13:00	15.67148	22.48419	13.29306	25.09608
11/11/23 14:00	17.36297	26.45449	13.17918	27.91003
11/11/23 15:00	26.66811	26.95778	16.06217	29.47291
11/11/23 16:00	54.85372	28.99758	16.03652	34.70009
11/11/23 17:00	57.16704	48.3916	27.30408	46.82318
11/11/23 18:00	47.08298	65.80375	48.15543	59.34067
11/11/23 19:00	38.92335	49.44473	53.6383	58.5464
11/11/23 20:00	22.06292	32.78871	36.81115	55.51275
11/11/23 21:00	28.11284	19.34083	31.8431	53.38783
11/11/23 22:00	33.7736	21.11307	28.86903	40.98232
11/11/23 23:00	24.28684	30.71245	30.06638	40.15068
12/11/23 00:00	30.06941	39.118	21.91837	32.45746
12/11/23 01:00	31.30337	28.43167	24.05295	32.16287
12/11/23 02:00	29.83132	No data	14.3795	29.13893
12/11/23 03:00	22.82286	28.75657	11.80682	26.37216
12/11/23 04:00	20.45919	30.11676	11.76171	19.99856
12/11/23 05:00	15.54821	27.93736	11.14049	19.98627
12/11/23 06:00	13.39063	22.86922	12.42711	15.67865
12/11/23 07:00	14.21184	21.7576	12.94005	14.72651
12/11/23 08:00	14.62692	14.39465	14.69816	16.87976
12/11/23 09:00	13.41129	7.74767	17.29341	16.42269
12/11/23 10:00	17.47681	9.70819	21.97833	21.51964
12/11/23 11:00	16.62499	12.86301	23.98448	26.16119
12/11/23 12:00	15.09415	12.85979	26.17769	25.81942
12/11/23 13:00	13.96666	15.20294	21.72247	28.17794
12/11/23 14:00	13.89663	15.54029	27.33065	31.8909
12/11/23 15:00	15.69074	14.53868	26.63099	30.04478
12/11/23 16:00	16.58445	20.13892	30.84947	27.32825
12/11/23 17:00	20.27757	21.09638	37.85911	31.42498
12/11/23 18:00	21.42762	21.81444	28.46526	31.30132
12/11/23 19:00	24.84573	19.42247	27.68668	35.4288
12/11/23 20:00	23.22509	18.89453	24.59439	34.92029
12/11/23 21:00	27.54137	21.37947	20.26213	29.10611
12/11/23 22:00	27.13077	19.32341	17.01248	25.9224
12/11/23 23:00	30.10621	18.94013	16.80663	22.69503
13/11/23 00:00	14.0386	17.65046	13.09222	24.29558
13/11/23 01:00	6.92701	11.08865	11.413	27.50328
13/11/23 02:00	3.73061	9.24161	5.49972	16.90846
13/11/23 03:00	3.52862	5.11417	5.72328	24.42049
13/11/23 04:00	4.44831	3.58466	4.74363	31.69929
13/11/23 05:00	2.85011	3.01123	4.89887	13.8019
13/11/23 06:00	3.19972	4.15905	6.59893	14.33562
13/11/23 07:00	5.84784	5.64123	10.15945	13.04441
13/11/23 08:00	17.93847	9.41698	16.97031	21.27758
13/11/23 09:00	14.02904	13.61791	8.36356	22.25483
13/11/23 10:00	9.56745	13.2728	4.08293	11.09806
13/11/23 11:00	7.66517	10.45892	3.41042	8.18719
13/11/23 12:00	9.71673	No data	3.92375	6.99498
13/11/23 13:00	9.16293	10.02684	5.88911	6.81708
13/11/23 14:00	8.21676	10.4071	No data	7.87892
13/11/23 15:00	7.36108	10.98502	5.06318	8.60795
13/11/23 16:00	8.61189	13.18071	4.44555	8.72369
13/11/23 17:00	9.46093	20.00587	5.73296	11.76604
13/11/23 18:00	13.16285	17.71985	7.53945	12.12297
13/11/23 19:00	9.95429	12.89848	6.09499	11.8589
13/11/23 20:00	7.90494	12.46448	4.91188	10.17885
13/11/23 21:00	6.65026	8.88719	4.48953	8.6459
13/11/23 22:00	5.10366	7.54893	3.61297	9.92818
13/11/23 23:00	5.45437	7.31115	4.74544	10.45743
14/11/23 00:00	3.00216	6.78425	3.30128	9.92985
14/11/23 01:00	6.47071	3.88446	3.02834	5.35244
14/11/23 02:00	5.67576	5.41204	3.23502	3.46364
14/11/23 03:00	5.30648	5.01485	3.40703	4.70872
14/11/23 04:00	3.09903	4.2989	2.58098	6.82248
14/11/23 05:00	9.55783	4.39446	4.18032	7.44516
14/11/23 06:00	29.22194	5.73192	6.96641	12.57226
14/11/23 07:00	16.95489	10.41276	10.16774	14.78833
14/11/23 08:00	25.03751	19.33823	11.36366	22.94902
14/11/23 09:00	31.24488	24.73043	13.37883	28.62567
14/11/23 10:00	32.94509	27.59599	10.9072	46.09753
14/11/23 11:00	27.13739	23.96543	9.40007	36.2195
14/11/23 12:00	21.88086	29.49211	11.61827	35.16763
14/11/23 13:00	24.5248	28.20387	15.92066	35.67688
14/11/23 14:00	20.13398	28.14895	9.60902	26.32336
14/11/23 15:00	15.67295	32.67599	8.21597	20.63312
14/11/23 16:00	19.52299	31.3379	10.60516	26.19385
14/11/23 17:00	22.41617	39.86209	11.67872	33.7391
14/11/23 18:00	25.57446	40.0754	12.86577	26.03931
14/11/23 19:00	24.30965	40.84279	9.61079	21.85542
14/11/23 20:00	17.60598	39.56659	6.45542	18.07433
14/11/23 21:00	16.70838	37.90226	4.44025	21.42901
14/11/23 22:00	20.41348	22.82529	3.87236	23.55891
14/11/23 23:00	17.14925	22.23573	3.40703	16.4551
15/11/23 00:00	9.90754	14.94804	2.27155	16.49039

15/11/23 01:00	11.67604	13.93283	3.85511	14.5221
15/11/23 02:00	4.93852	8.02075	2.27271	12.99054
15/11/23 03:00	5.96022	7.78167	2.2214	9.70536
15/11/23 04:00	5.51697	6.96908	1.60162	10.69536
15/11/23 05:00	6.0129	7.68476	2.42867	7.39748
15/11/23 06:00	6.80704	9.21303	2.63478	9.92248
15/11/23 07:00	14.42879	21.23853	4.70398	15.29836
15/11/23 08:00	29.08726	31.10633	7.34367	18.34212
15/11/23 09:00	28.26008	37.23413	7.45265	23.00081
15/11/23 10:00	14.28429	25.17186	4.97816	23.66865
15/11/23 11:00	11.53149	19.82641	4.14447	14.49981
15/11/23 12:00	9.52936	13.25252	3.83342	15.77831
15/11/23 13:00	10.81888	14.87161	3.93865	18.47678
15/11/23 14:00	13.31911	15.77924	5.64376	18.24801
15/11/23 15:00	13.37288	19.83612	6.00554	17.85853
15/11/23 16:00	20.22121	27.75714	8.01996	23.3903
15/11/23 17:00	30.37638	40.24811	14.474	29.1281
15/11/23 18:00	34.66585	35.262	15.05402	30.32708
15/11/23 19:00	45.28105	38.83178	16.64698	33.45314
15/11/23 20:00	33.17698	38.65189	11.51893	27.35025
15/11/23 21:00	25.65625	37.55168	9.6622	21.83012
15/11/23 22:00	34.35627	52.20879	6.81727	23.86114
15/11/23 23:00	48.674	50.72216	11.7726	27.59715
16/11/23 00:00	46.73714	38.42002	15.07182	30.3685
16/11/23 01:00	37.61108	34.85804	14.73523	36.69936
16/11/23 02:00	23.73037	25.70157	17.28332	22.48671
16/11/23 03:00	18.04878	18.75152	23.67395	27.01732
16/11/23 04:00	18.41798	25.61175	33.80114	39.05256
16/11/23 05:00	15.8128	21.70826	29.41307	29.5584
16/11/23 06:00	19.97291	29.81138	17.96049	37.39493
16/11/23 07:00	27.81258	34.67617	16.95839	42.11331
16/11/23 08:00	38.23691	43.08279	21.21949	39.09544
16/11/23 09:00	51.53687	51.44211	25.72349	38.77292
16/11/23 10:00	45.74276	58.85692	31.16698	35.03893
16/11/23 11:00	43.53465	49.95625	24.16314	31.21707
16/11/23 12:00	40.5604	42.17125	19.70962	30.04734
16/11/23 13:00	31.87593	36.5145	18.58087	32.52161
16/11/23 14:00	35.64795	34.31577	13.09141	35.23951
16/11/23 15:00	38.77443	44.8353	15.72724	35.41466
16/11/23 16:00	55.96983	44.26308	24.41846	44.96854
16/11/23 17:00	59.666	51.6703	23.52217	46.05314
16/11/23 18:00	59.22309	51.7816	28.73288	45.95418
16/11/23 19:00	51.71671	43.89199	38.26537	47.33368
16/11/23 20:00	48.98905	45.52766	38.0473	43.50307
16/11/23 21:00	45.59682	48.18025	41.1489	43.21135
16/11/23 22:00	39.09861	48.60166	42.27116	41.39192
16/11/23 23:00	34.26348	43.12866	38.84033	40.1786
17/11/23 00:00	26.11747	34.6055	34.0009	40.42449
17/11/23 01:00	16.40649	28.41462	12.67534	41.32839
17/11/23 02:00	No data	16.91136	10.95386	40.69067
17/11/23 03:00	9.96015	10.06105	8.11264	28.91151
17/11/23 04:00	10.71175	13.16016	8.94077	21.12779
17/11/23 05:00	14.31496	12.87522	8.93885	22.25532
17/11/23 06:00	10.00909	25.39621	9.71753	22.46838
17/11/23 07:00	23.02669	34.70976	14.6869	29.16161
17/11/23 08:00	36.47294	49.2097	31.42797	41.77559
17/11/23 09:00	50.28204	50.51762	49.27763	56.53767
17/11/23 10:00	37.33328	40.44529	42.7632	41.12849
17/11/23 11:00	30.6717	33.36567	29.46892	38.0985
17/11/23 12:00	24.34885	31.03902	11.85301	31.62796
17/11/23 13:00	20.16646	29.65555	8.02584	31.22613
17/11/23 14:00	16.84097	32.8499	6.88584	34.57191
17/11/23 15:00	21.63782	37.15944	12.98695	41.89888
17/11/23 16:00	38.99113	42.12769	36.40221	54.92203
17/11/23 17:00	57.84695	60.53042	57.51288	67.85739
17/11/23 18:00	59.83251	56.93131	73.20084	61.87004
17/11/23 19:00	51.92027	58.4447	66.13723	56.8602
17/11/23 20:00	36.14164	43.37373	58.74416	54.7394
17/11/23 21:00	24.05973	25.03424	45.0715	59.89079
17/11/23 22:00	17.00702	20.31289	29.04184	54.55118
17/11/23 23:00	13.55806	21.88331	19.11659	35.9351
18/11/23 00:00	9.30431	13.68435	12.45031	30.48965
18/11/23 01:00	9.67157	5.52761	8.54671	31.75371
18/11/23 02:00	7.00413	3.81265	6.2723	26.22266
18/11/23 03:00	4.70189	3.28878	5.48001	21.44515
18/11/23 04:00	5.36205	3.28863	5.42805	17.4056
18/11/23 05:00	7.16205	3.86077	5.32469	15.63679
18/11/23 06:00	4.60816	3.62229	3.82588	16.31032
18/11/23 07:00	6.0696	4.28916	4.08483	18.24004
18/11/23 08:00	9.01994	9.19721	5.17152	13.82926
18/11/23 09:00	14.98269	9.95805	6.6722	14.9487
18/11/23 10:00	16.28569	17.05388	6.77584	14.69115
18/11/23 11:00	13.38799	18.1443	7.96642	14.93827
18/11/23 12:00	11.38531	14.0918	6.47137	16.81773
18/11/23 13:00	11.38794	15.51996	5.95562	18.12581
18/11/23 14:00	9.4232	13.09642	4.96961	14.78752
18/11/23 15:00	10.98205	12.47979	5.59115	16.48769
18/11/23 16:00	9.3195	10.38553	5.22696	18.20571
18/11/23 17:00	10.62355	11.43342	5.27783	21.07915

18/11/23 18:00	8.91571	11.90932	4.76288	17.64091
18/11/23 19:00	11.02734	13.43507	4.76235	15.92784
18/11/23 20:00	9.41953	11.86407	4.14	12.17082
18/11/23 21:00	7.76432	9.53042	3.05278	10.80042
18/11/23 22:00	7.76852	9.14894	2.84498	10.67659
18/11/23 23:00	7.66587	7.81339	2.43151	10.09201
19/11/23 00:00	4.00694	6.2427	2.53703	10.26555
19/11/23 01:00	5.14805	4.76244	1.79368	6.64104
19/11/23 02:00	2.80368	4.1914	1.58719	6.74725
19/11/23 03:00	3.36023	3.81001	1.29381	8.62532
19/11/23 04:00	2.8094	3.52404	1.13894	11.00547
19/11/23 05:00	2.3581	2.66674	1.08775	9.65348
19/11/23 06:00	2.85942	3.1431	1.2946	3.48262
19/11/23 07:00	4.82404	3.28586	1.6046	4.63095
19/11/23 08:00	4.7162	4.14317	2.38261	6.97509
19/11/23 09:00	6.4234	4.52381	2.4338	12.36251
19/11/23 10:00	9.06765	4.57114	2.80702	11.16231
19/11/23 11:00	6.71942	5.99994	2.70255	15.796
19/11/23 12:00	5.86478	6.37923	4.40639	16.27517
19/11/23 13:00	6.61781	7.85432	5.03371	16.32704
19/11/23 14:00	7.92011	8.37906	4.24916	15.78669
19/11/23 15:00	8.5163	8.4279	4.09403	15.95586
19/11/23 16:00	7.16656	12.42516	4.0956	15.25235
19/11/23 17:00	7.31405	11.61206	3.93733	8.72482
19/11/23 18:00	7.46674	10.56765	3.83365	13.03919
19/11/23 19:00	12.38512	10.46908	3.62445	10.71092
19/11/23 20:00	9.47411	10.23479	3.46827	11.63602
19/11/23 21:00	7.82057	9.8528	2.6409	9.78802
19/11/23 22:00	5.91429	8.28334	2.22617	10.00687
19/11/23 23:00	6.10973	10.71115	1.81223	10.58979
20/11/23 00:00	4.91112	6.76197	2.01854	10.2754
20/11/23 01:00	3.7427	4.50502	2.34649	8.82899
20/11/23 02:00	3.47512	4.12515	2.27818	12.93638
20/11/23 03:00	4.36194	4.33091	2.22576	9.07952
20/11/23 04:00	4.7628	4.18823	1.9161	7.48467
20/11/23 05:00	7.36657	6.6156	3.31303	10.15203
20/11/23 06:00	6.51225	7.52028	2.79718	18.00129
20/11/23 07:00	10.32115	13.18403	9.26446	22.06756
20/11/23 08:00	33.89162	35.09777	23.35891	30.1013
20/11/23 09:00	50.8295	43.74202	36.16672	33.3385
20/11/23 10:00	36.54829	40.30295	14.98979	36.30444
20/11/23 11:00	20.34234	27.07987	7.98628	27.36137
20/11/23 12:00	19.01863	25.59889	10.36726	23.46595
20/11/23 13:00	19.0584	21.81425	10.26556	28.185
20/11/23 14:00	16.30193	25.17928	8.29009	24.04832
20/11/23 15:00	19.40818	25.46212	13.99148	29.68762
20/11/23 16:00	21.61006	33.73333	19.74258	35.42025
20/11/23 17:00	20.04692	27.0846	12.58946	33.19771
20/11/23 18:00	19.99996	25.94306	13.06834	33.91925
20/11/23 19:00	17.93434	22.05819	7.30783	29.48237
20/11/23 20:00	12.82278	20.92256	6.73743	30.42717
20/11/23 21:00	15.12578	18.54827	6.62835	28.34655
20/11/23 22:00	14.17291	19.78752	7.50867	22.07848
20/11/23 23:00	12.7191	21.88238	7.24947	20.83022
21/11/23 00:00	10.21541	17.12685	8.28245	12.24684
21/11/23 01:00	9.48423	10.39956	5.93748	8.8463
21/11/23 02:00	7.47856	5.70737	4.83347	4.4089
21/11/23 03:00	4.70942	4.70698	3.6256	4.40165
21/11/23 04:00	3.35636	4.4218	2.95239	3.87981
21/11/23 05:00	3.0085	7.32462	2.53826	5.72421
21/11/23 06:00	4.61134	8.12965	3.00589	6.9993
21/11/23 07:00	10.44132	11.74132	5.65116	14.24484
21/11/23 08:00	15.31768	21.99533	6.64016	18.90268
21/11/23 09:00	15.31361	23.40909	13.76058	16.83557
21/11/23 10:00	17.12735	23.98353	8.35339	15.19863
21/11/23 11:00	14.11275	22.78956	5.23876	18.59879
21/11/23 12:00	13.41856	29.41087	4.82389	21.62349
21/11/23 13:00	13.65716	29.37074	4.92742	21.78006
21/11/23 14:00	14.6517	39.58723	4.9299	23.35196
21/11/23 15:00	19.55982	25.60744	6.90196	23.73666
21/11/23 16:00	20.20548	36.01293	9.33397	35.2666
21/11/23 17:00	21.90843	47.57459	9.23118	41.87585
21/11/23 18:00	38.22064	41.94817	11.1547	38.65441
21/11/23 19:00	39.10948	48.88036	11.61737	44.65477
21/11/23 20:00	44.03589	45.26621	11.97626	48.62898
21/11/23 21:00	38.48898	49.86957	11.97428	48.7885
21/11/23 22:00	36.85691	53.72205	13.83315	50.73742
21/11/23 23:00	29.92161	56.11981	13.41381	48.12975
22/11/23 00:00	33.60931	45.72456	14.86054	42.07609
22/11/23 01:00	29.99313	39.03916	17.4081	38.83897
22/11/23 02:00	34.37705	31.48617	28.80751	35.7838
22/11/23 03:00	32.66263	32.15733	29.16605	31.42745
22/11/23 04:00	24.18152	34.96988	27.09406	24.86471
22/11/23 05:00	22.87532	36.36651	26.8375	22.51539
22/11/23 06:00	23.13422	33.4345	24.51787	23.1512
22/11/23 07:00	22.05559	24.28232	25.93148	25.89736
22/11/23 08:00	27.93067	26.8276	30.16096	29.30161
22/11/23 09:00	35.26887	30.70913	26.07095	37.00254
22/11/23 10:00	30.84183	29.19392	15.61781	30.69678

22/11/23 11:00	30.45634	25.24799	13.79733	No data
22/11/23 12:00	24.3309	26.83077	12.81445	No data
22/11/23 13:00	23.44402	26.73078	10.01278	26.11253
22/11/23 14:00	19.48036	26.49563	8.19663	22.0806
22/11/23 15:00	17.71531	29.80269	8.30167	21.97615
22/11/23 16:00	21.42559	27.64067	11.05179	26.8099
22/11/23 17:00	29.18662	47.84654	15.6619	36.88724
22/11/23 18:00	35.56374	33.40006	13.54125	34.5981
22/11/23 19:00	26.56584	33.40323	12.34421	28.70647
22/11/23 20:00	17.79083	28.65806	5.3928	24.39624
22/11/23 21:00	15.03742	22.00289	5.23862	19.10463
22/11/23 22:00	10.97462	16.11137	5.90929	15.97247
22/11/23 23:00	11.53294	12.45246	4.7691	16.14554
23/11/23 00:00	7.91827	8.50869	4.97483	14.03193
23/11/23 01:00	7.08402	10.57461	3.59512	8.82775
23/11/23 02:00	5.68229	7.79101	2.00594	5.41077
23/11/23 03:00	4.01229	3.60987	1.2974	6.26627
23/11/23 04:00	4.01477	4.60521	1.76333	5.46922
23/11/23 05:00	4.11296	6.36312	1.71197	5.90039
23/11/23 06:00	5.26492	11.25344	1.86767	6.05204
23/11/23 07:00	12.5402	18.28382	5.18961	11.47539
23/11/23 08:00	16.70523	20.07973	6.90463	11.91573
23/11/23 09:00	18.43049	23.4789	6.54445	15.52699
23/11/23 10:00	18.37494	19.075	4.93893	14.19678
23/11/23 11:00	10.95138	20.54098	3.63708	16.23876
23/11/23 12:00	11.40513	17.65398	3.22275	14.25289
23/11/23 13:00	7.83616	18.54988	3.58573	12.59027
23/11/23 14:00	8.68214	15.56984	3.84273	13.01442
23/11/23 15:00	12.29276	15.13847	6.02039	16.72389
23/11/23 16:00	13.49381	18.93429	5.45036	22.11703
23/11/23 17:00	14.64875	25.19683	6.85515	27.91976
23/11/23 18:00	15.95793	21.59749	7.00804	30.34057
23/11/23 19:00	14.39336	18.74905	7.00546	19.96982
23/11/23 20:00	10.73117	13.52795	6.74261	18.14531
23/11/23 21:00	8.32211	13.19845	4.46178	13.59887
23/11/23 22:00	7.97847	12.86496	3.99351	12.89248
23/11/23 23:00	5.41368	13.8105	3.16344	14.792
24/11/23 00:00	4.41098	9.21155	2.80069	11.12355
24/11/23 01:00	5.01322	6.45539	2.76709	5.71266
24/11/23 02:00	3.87567	4.74727	2.97388	4.05715
24/11/23 03:00	2.65773	3.79776	2.80166	4.41413
24/11/23 04:00	3.41413	4.6995	1.71215	6.09164
24/11/23 05:00	3.56099	3.84553	2.12762	7.06325
24/11/23 06:00	4.16218	6.36065	2.69796	9.97917
24/11/23 07:00	10.38532	9.30177	3.16823	14.75672
24/11/23 08:00	15.40312	15.36919	4.62387	19.92695
24/11/23 09:00	17.90466	23.47109	5.87301	22.37366
24/11/23 10:00	15.3044	20.43892	5.82002	27.16455
24/11/23 11:00	11.10194	18.86755	5.92054	26.0863
24/11/23 12:00	10.14367	16.53762	5.50439	25.43114
24/11/23 13:00	10.10143	13.22683	5.8771	26.39308
24/11/23 14:00	12.4345	16.30115	5.30971	27.42188
24/11/23 15:00	13.75574	20.27932	6.39104	31.59308
24/11/23 16:00	22.225	24.89002	10.02728	36.63259
24/11/23 17:00	41.84434	45.66136	21.90771	53.74111
24/11/23 18:00	55.85255	48.14416	23.37425	59.29755
24/11/23 19:00	54.31468	38.56237	15.79068	38.94419
24/11/23 20:00	51.96246	29.79464	17.86055	39.39781
24/11/23 21:00	42.17391	22.58171	10.74181	35.83157
24/11/23 22:00	44.1828	25.95557	9.96725	37.92184
24/11/23 23:00	38.15023	25.85034	16.07883	30.12776
25/11/23 00:00	33.83333	29.56772	11.51477	32.70873
25/11/23 01:00	32.1706	29.48027	13.35221	34.06499
25/11/23 02:00	28.61823	23.97193	15.28893	23.60429
25/11/23 03:00	19.95249	23.81489	19.40381	24.55876
25/11/23 04:00	23.0775	20.11715	17.18237	23.65786
25/11/23 05:00	22.71943	17.08012	15.05411	20.77218
25/11/23 06:00	22.46643	20.39928	11.83644	21.32331
25/11/23 07:00	28.13315	31.21174	10.9508	30.84453
25/11/23 08:00	50.44888	45.42276	17.59562	29.09999
25/11/23 09:00	48.97531	40.93336	29.93838	34.28446
25/11/23 10:00	39.07455	33.06052	19.49115	36.74663
25/11/23 11:00	33.09404	26.38472	19.02977	31.25127
25/11/23 12:00	27.92854	26.24109	22.31474	26.29152
25/11/23 13:00	26.26274	25.48491	20.13064	23.041
25/11/23 14:00	25.48724	21.51198	9.72096	29.9808
25/11/23 15:00	20.08623	24.07913	10.55561	31.64803
25/11/23 16:00	29.30567	43.08196	14.02407	48.1416
25/11/23 17:00	51.06557	59.80338	34.12893	56.46407
25/11/23 18:00	68.39469	66.03851	34.22783	62.57859
25/11/23 19:00	62.54646	67.40367	55.99431	68.15318
25/11/23 20:00	61.21577	66.36694	42.51542	73.9704
25/11/23 21:00	53.26176	57.69508	40.1998	67.77423
25/11/23 22:00	49.5515	56.53968	43.03804	63.4303
25/11/23 23:00	45.19273	51.73386	43.41891	57.18811
26/11/23 00:00	39.19888	47.53537	32.85922	52.71891
26/11/23 01:00	40.67193	44.55261	29.91133	50.79882
26/11/23 02:00	33.69299	42.07332	26.0435	46.91143
26/11/23 03:00	27.43359	44.23579	24.24993	46.5872

26/11/23 04:00	25.11236	44.33148	23.849	42.21248
26/11/23 05:00	23.66105	41.57379	30.33567	45.96791
26/11/23 06:00	20.01681	36.42367	29.33543	41.05782
26/11/23 07:00	23.61861	32.60024	29.28567	37.29253
26/11/23 08:00	23.04992	31.37197	33.18744	36.99108
26/11/23 09:00	23.78531	31.49374	30.94511	37.432
26/11/23 10:00	20.27109	30.45587	31.47162	35.91529
26/11/23 11:00	22.66694	21.98614	33.09836	36.9759
26/11/23 12:00	17.76874	21.51484	27.2941	39.39897
26/11/23 13:00	24.54943	25.83282	26.7223	39.37646
26/11/23 14:00	20.32958	30.51876	29.41875	41.77795
26/11/23 15:00	21.4854	26.72785	30.5489	40.0762
26/11/23 16:00	26.3087	23.98426	36.51831	37.72187
26/11/23 17:00	29.34825	26.16416	40.4107	32.89997
26/11/23 18:00	31.21066	26.3558	42.96617	31.27362
26/11/23 19:00	28.82229	26.83421	40.52177	28.78474
26/11/23 20:00	21.63002	29.06441	45.39688	32.07327
26/11/23 21:00	23.33436	23.79932	38.36847	31.23845
26/11/23 22:00	20.82798	19.7714	29.01501	32.32744
26/11/23 23:00	17.50802	17.02328	27.10526	29.96924
27/11/23 00:00	19.50641	17.64084	27.95434	36.83283
27/11/23 01:00	17.12079	19.96803	23.84199	28.01267
27/11/23 02:00	16.85274	18.70417	25.34632	22.50724
27/11/23 03:00	20.6254	19.09914	20.77604	19.16933
27/11/23 04:00	16.2697	19.99923	21.08949	19.73532
27/11/23 05:00	13.25359	22.49503	20.15678	20.98811
27/11/23 06:00	13.7006	25.08577	9.81966	22.44518
27/11/23 07:00	19.08334	27.71028	9.35951	22.23437
27/11/23 08:00	26.93963	32.65948	10.14117	24.22914
27/11/23 09:00	34.45822	31.26472	11.50008	20.68039
27/11/23 10:00	35.72268	29.20782	18.72067	22.3138
27/11/23 11:00	28.76165	41.82862	18.36768	30.5383
27/11/23 12:00	22.92811	44.80059	10.65532	39.90915
27/11/23 13:00	20.56971	38.64407	9.72344	38.49911
27/11/23 14:00	26.01763	28.92772	9.31212	41.33895
27/11/23 15:00	30.14539	39.43099	10.97063	45.40648
27/11/23 16:00	28.01381	40.85668	15.43987	51.72169
27/11/23 17:00	33.44242	48.05901	20.78885	47.41538
27/11/23 18:00	33.04034	36.45577	16.22009	39.36241
27/11/23 19:00	31.92061	33.43086	16.73403	28.76673
27/11/23 20:00	22.68216	24.7726	16.94176	26.00859
27/11/23 21:00	17.15944	21.3628	10.65429	23.68592
27/11/23 22:00	15.5549	25.81705	7.27645	25.89398
27/11/23 23:00	16.20437	24.25617	7.42935	22.8953
28/11/23 00:00	14.9494	19.38017	8.36351	17.97067
28/11/23 01:00	15.78869	15.1541	6.79177	9.69582
28/11/23 02:00	13.65057	35.23649	5.61695	5.8529
28/11/23 03:00	11.74308	16.38688	5.35403	4.60126
28/11/23 04:00	11.8448	10.13496	4.88759	6.11244
28/11/23 05:00	10.68839	13.97184	3.95252	10.26411
28/11/23 06:00	12.79589	17.85395	4.73471	13.30178
28/11/23 07:00	21.08992	29.82963	8.69142	31.32179
28/11/23 08:00	33.4105	45.49521	21.17987	46.3815
28/11/23 09:00	50.3211	55.505	33.4285	55.6873
28/11/23 10:00	43.97897	50.7658	23.60736	52.42366
28/11/23 11:00	33.95427	32.31951	13.01364	39.10014
28/11/23 12:00	28.18257	26.045	12.69869	35.45787
28/11/23 13:00	21.42086	27.13176	12.44648	23.98384
28/11/23 14:00	29.7088	28.3713	11.39351	23.37079
28/11/23 15:00	25.07944	29.96356	16.90761	25.76266
28/11/23 16:00	30.5952	38.02748	31.32735	42.72743
28/11/23 17:00	50.9197	56.53326	43.29641	48.62035
28/11/23 18:00	67.86648	59.66256	43.09956	50.77904
28/11/23 19:00	55.45115	57.67685	49.19654	47.6782
28/11/23 20:00	52.08464	62.05365	44.11036	54.28761
28/11/23 21:00	48.16817	57.07063	29.39147	48.71667
28/11/23 22:00	44.78846	57.36067	21.32576	42.85438
28/11/23 23:00	38.92723	49.97305	14.91677	40.45301
29/11/23 00:00	37.64569	38.39518	21.41071	42.28266
29/11/23 01:00	31.42189	37.97064	19.20239	42.52992
29/11/23 02:00	23.35822	34.94947	22.18272	28.94264
29/11/23 03:00	25.20119	36.4496	23.71019	25.83715
29/11/23 04:00	23.2339	34.02168	21.88948	19.89225
29/11/23 05:00	28.57788	36.58518	17.10744	20.44613
29/11/23 06:00	26.9641	40.00904	18.31201	26.62545
29/11/23 07:00	31.78725	35.50902	25.32516	37.40468
29/11/23 08:00	36.35325	44.35448	39.29714	47.14112
29/11/23 09:00	30.63775	52.80465	44.84979	52.7228
29/11/23 10:00	23.30655	56.81607	37.87554	53.63849
29/11/23 11:00	27.74058	63.67646	29.376	57.32405
29/11/23 12:00	37.5051	50.08575	18.39949	45.09214
29/11/23 13:00	37.80356	34.64006	15.83341	32.57888
29/11/23 14:00	24.14146	33.07867	10.88306	34.22626
29/11/23 15:00	30.10754	47.02628	14.83832	35.12664
29/11/23 16:00	30.73474	64.20032	34.47933	44.71601
29/11/23 17:00	62.7993	77.23527	54.12004	59.42018
29/11/23 18:00	70.44667	70.14579	61.49022	65.74652
29/11/23 19:00	63.57346	70.35533	55.71486	63.11445
29/11/23 20:00	65.88974	75.47463	40.74295	63.87564

29/11/23 21:00	58.67374	76.81724	40.74816	65.96787
29/11/23 22:00	60.23127	77.81255	34.92995	57.00495
29/11/23 23:00	48.34946	74.94485	27.12137	58.65087
30/11/23 00:00	47.02182	67.62671	27.91873	56.24703
30/11/23 01:00	55.21917	61.48168	27.35809	54.31668
30/11/23 02:00	53.3387	59.81277	30.33135	35.43068
30/11/23 03:00	50.40271	59.45375	34.67348	25.02483
30/11/23 04:00	48.57101	64.17937	31.95327	13.71949
30/11/23 05:00	46.96328	61.18876	27.16047	8.56814
30/11/23 06:00	38.39119	56.44692	26.65111	14.24254
30/11/23 07:00	25.97872	56.02188	27.09215	12.68388
30/11/23 08:00	27.28671	66.87428	19.82712	19.62792
30/11/23 09:00	34.25563	68.19296	19.47976	27.16097
30/11/23 10:00	24.8707	48.97362	20.38299	28.40077
30/11/23 11:00	25.06124	44.42946	15.10568	25.87091
30/11/23 12:00	20.96594	35.74376	10.10426	22.0714
30/11/23 13:00	17.07748	27.24758	6.97594	20.49965
30/11/23 14:00	15.16636	22.52078	6.92541	21.91433
30/11/23 15:00	18.2755	41.51794	8.64208	26.0641
30/11/23 16:00	23.83727	52.69115	12.54784	30.91702
30/11/23 17:00	30.12313	64.18817	17.70717	32.72123
30/11/23 18:00	32.93391	57.95785	21.73444	37.11184
30/11/23 19:00	31.39849	47.06994	17.60686	36.00032
30/11/23 20:00	37.38217	41.44937	16.30481	35.35476
30/11/23 21:00	43.52617	48.81755	17.75955	36.8197
30/11/23 22:00	39.21427	48.45681	15.20488	35.32387
30/11/23 23:00	40.52685	54.67055	14.15919	30.91022
01/12/23 00:00	41.05462	43.4132	14.99142	29.16309
01/12/23 01:00	38.67559	42.1579	14.93054	19.95036
01/12/23 02:00	36.01758	24.89609	13.40014	24.4876
01/12/23 03:00	31.86357	27.27098	11.03927	23.41895
01/12/23 04:00	25.81159	36.57929	9.0604	22.798
01/12/23 05:00	16.67301	29.20554	8.01812	17.85723
01/12/23 06:00	19.73995	46.77436	9.1661	28.55004
01/12/23 07:00	25.78221	42.05912	13.08254	29.0139
01/12/23 08:00	35.81469	44.06064	18.24926	35.90253
01/12/23 09:00	41.62999	57.39344	15.33506	41.38252
01/12/23 10:00	36.53325	45.41065	13.87464	48.59542
01/12/23 11:00	30.84703	49.41459	11.6851	44.71925
01/12/23 12:00	35.06351	39.38616	10.90572	36.31682
01/12/23 13:00	31.96418	48.75235	13.62214	40.62871
01/12/23 14:00	33.91951	56.96111	15.33452	43.70162
01/12/23 15:00	39.71631	43.47495	16.84232	41.54533
01/12/23 16:00	39.91713	49.16028	21.11392	41.06426
01/12/23 17:00	53.74365	45.80171	21.67546	37.39577
01/12/23 18:00	52.9004	47.9861	19.06671	39.27864
01/12/23 19:00	38.05319	45.47788	20.15584	38.45348
01/12/23 20:00	43.93745	40.05696	18.54127	40.46996
01/12/23 21:00	46.24442	33.15682	16.61534	42.53283
01/12/23 22:00	42.20283	38.1656	14.37572	42.8647
01/12/23 23:00	39.58678	41.99088	14.16074	44.21495
02/12/23 00:00	38.32017	46.27864	16.34545	45.73675
02/12/23 01:00	37.77736	46.21412	18.12292	44.9819
02/12/23 02:00	34.49262	49.12081	18.68132	43.37752
02/12/23 03:00	29.84474	44.49737	18.90438	39.5615
02/12/23 04:00	33.73407	37.41421	24.31829	36.19132
02/12/23 05:00	33.44117	32.50036	27.44336	33.30799
02/12/23 06:00	34.08887	32.96119	29.47409	33.36016
02/12/23 07:00	36.61948	33.15222	31.76776	32.55267
02/12/23 08:00	33.67898	40.2316	26.82523	35.87552
02/12/23 09:00	30.67658	37.6549	21.52528	33.91991
02/12/23 10:00	29.46225	33.71991	22.37357	32.51623
02/12/23 11:00	28.17899	33.18524	21.65372	29.09536
02/12/23 12:00	24.19344	30.81621	19.25556	29.46332
02/12/23 13:00	25.00349	28.47212	21.23785	32.55718
02/12/23 14:00	24.73977	24.85897	22.17063	32.39081
02/12/23 15:00	25.61847	25.86064	20.33319	34.29411
02/12/23 16:00	27.332	28.65459	24.28465	39.32373
02/12/23 17:00	28.44776	32.57887	29.59322	42.74871
02/12/23 18:00	31.56323	29.41394	28.70734	44.03366
02/12/23 19:00	30.50816	26.91184	29.53736	39.4586
02/12/23 20:00	27.91798	31.39448	30.11099	40.19339
02/12/23 21:00	32.46016	28.19376	32.09431	40.52077
02/12/23 22:00	27.40363	24.98851	27.138	37.85425
02/12/23 23:00	24.78288	22.10799	36.48181	35.84692
03/12/23 00:00	29.11109	19.7474	38.29186	31.78134
03/12/23 01:00	27.41592	17.18669	36.40889	30.95446
03/12/23 02:00	20.10414	20.90224	30.77616	35.51093
03/12/23 03:00	18.79988	20.54064	27.66689	29.06147
03/12/23 04:00	15.88993	18.79293	22.87257	22.16064
03/12/23 05:00	14.52456	16.90454	15.16177	27.70968
03/12/23 06:00	14.8781	15.29863	16.46488	28.45275
03/12/23 07:00	12.52123	14.02343	18.44624	31.07914
03/12/23 08:00	14.53401	15.58087	19.90631	28.44275
03/12/23 09:00	21.02541	16.47591	23.71358	36.23581
03/12/23 10:00	18.76429	18.31385	26.95522	36.40155
03/12/23 11:00	17.96759	17.64946	30.99107	38.20448
03/12/23 12:00	25.18783	17.60249	36.36657	41.2777
03/12/23 13:00	22.92812	19.67717	38.78672	42.61087

03/12/23 14:00	21.27503	26.19041	31.61045	35.06993
03/12/23 15:00	23.21631	33.59546	34.36683	32.21186
03/12/23 16:00	21.86322	32.66164	36.35631	31.46137
03/12/23 17:00	18.67846	33.51492	46.62966	32.81107
03/12/23 18:00	27.61351	25.87089	50.21762	32.82897
03/12/23 19:00	26.70216	28.31418	47.33322	30.43753
03/12/23 20:00	24.54104	31.52239	41.84047	29.6781
03/12/23 21:00	23.42827	46.31293	26.31218	25.63069
03/12/23 22:00	18.9046	47.76211	23.70729	21.132
03/12/23 23:00	13.67148	41.14125	15.73518	18.76243
04/12/23 00:00	8.24024	44.63317	14.32821	15.831
04/12/23 01:00	4.89204	22.01318	12.64994	15.50233
04/12/23 02:00	3.75359	11.70312	11.05164	17.28823
04/12/23 03:00	3.36703	8.63551	6.20356	15.60397
04/12/23 04:00	5.08618	5.70936	6.25584	13.73238
04/12/23 05:00	3.92413	4.57654	6.98576	11.85564
04/12/23 06:00	4.32759	4.7652	7.14213	13.05238
04/12/23 07:00	7.81041	5.00142	8.49771	16.41215
04/12/23 08:00	13.24693	7.78549	11.41689	21.04921
04/12/23 09:00	15.26092	11.70141	16.42236	28.06133
04/12/23 10:00	16.9236	12.12556	17.78285	30.62054
04/12/23 11:00	16.57517	12.69044	16.94789	26.15435
04/12/23 12:00	16.37129	13.49057	16.42727	28.97527
04/12/23 13:00	20.85059	14.01033	18.3022	30.6262
04/12/23 14:00	23.99357	15.00218	16.06335	29.88509
04/12/23 15:00	25.33229	15.99232	16.84253	30.02984
04/12/23 16:00	22.25628	17.35855	19.55226	30.29155
04/12/23 17:00	22.65592	28.29369	18.19541	29.18925
04/12/23 18:00	24.92548	30.32164	17.77809	26.89896
04/12/23 19:00	21.19378	20.60895	12.98272	23.68187
04/12/23 20:00	21.09948	21.41287	14.76576	20.16614
04/12/23 21:00	21.23544	34.09793	11.94148	16.42501
04/12/23 22:00	20.61997	42.11952	13.0415	16.72057
04/12/23 23:00	20.21698	31.4069	11.42387	15.11995
05/12/23 00:00	15.48879	27.407	9.80449	10.64039
05/12/23 01:00	16.96795	17.97927	7.92929	8.79229
05/12/23 02:00	17.77423	No data	6.25958	8.14308
05/12/23 03:00	15.89645	25.88769	5.99957	6.60087
05/12/23 04:00	18.35977	40.64648	7.35722	7.3975
05/12/23 05:00	15.44111	41.44976	7.7749	6.51202
05/12/23 06:00	13.98179	49.69896	8.71684	12.3826
05/12/23 07:00	19.12686	32.71707	9.81433	20.26342
05/12/23 08:00	31.42258	30.81148	15.19702	28.11711
05/12/23 09:00	34.3886	46.85101	14.73083	34.74372
05/12/23 10:00	31.42402	48.9793	11.85301	38.3959
05/12/23 11:00	28.10224	55.34787	10.02583	36.02037
05/12/23 12:00	31.67876	44.44395	9.76506	29.58184
05/12/23 13:00	38.05303	35.28048	11.01279	36.85669
05/12/23 14:00	28.61074	32.17002	11.90273	34.97845
05/12/23 15:00	26.38673	36.93687	9.24581	36.17927
05/12/23 16:00	29.59784	37.76306	12.11377	40.59745
05/12/23 17:00	31.66236	48.40691	14.9314	42.87915
05/12/23 18:00	32.51553	43.15187	16.76253	45.20935
05/12/23 19:00	35.45733	36.0922	18.84455	44.59644
05/12/23 20:00	30.45439	39.6724	14.03828	39.89592
05/12/23 21:00	35.72374	47.68155	12.37181	41.14947
05/12/23 22:00	30.79905	46.4066	15.60788	39.63484
05/12/23 23:00	27.11089	49.62612	12.83481	40.52749
06/12/23 00:00	30.9296	45.15711	16.43064	36.00459
06/12/23 01:00	28.97302	45.83174	22.54381	35.27455
06/12/23 02:00	37.71255	45.01454	22.68412	31.65978
06/12/23 03:00	31.76752	46.09921	21.76385	30.47674
06/12/23 04:00	28.44835	40.10005	19.78199	30.99565
06/12/23 05:00	28.0678	36.13349	20.35497	38.00854
06/12/23 06:00	22.85594	36.14164	22.74772	36.46757
06/12/23 07:00	25.7912	38.07327	28.56015	35.82234
06/12/23 08:00	31.61797	39.554	34.05616	47.08
06/12/23 09:00	25.29992	47.89341	39.53375	68.49237
06/12/23 10:00	27.68854	47.20455	36.61424	71.10175
06/12/23 11:00	22.3761	58.81886	39.5489	75.21196
06/12/23 12:00	21.98159	59.50627	52.77612	57.95747
06/12/23 13:00	22.25115	52.30975	56.00382	48.90726
06/12/23 14:00	28.44158	21.3719	34.24167	42.2228
06/12/23 15:00	34.27879	25.05644	34.26111	45.52797
06/12/23 16:00	27.94059	41.29561	51.55188	51.40008
06/12/23 17:00	34.70613	47.75578	52.38967	53.05151
06/12/23 18:00	41.90209	47.66852	50.58047	50.64202
06/12/23 19:00	42.42571	43.15867	51.68684	43.94074
06/12/23 20:00	45.6746	38.73466	51.84265	38.61389
06/12/23 21:00	41.51337	33.78965	52.18518	32.79513
06/12/23 22:00	36.87653	32.70775	50.58223	28.11054
06/12/23 23:00	33.8548	32.33101	42.06417	30.14471
07/12/23 00:00	32.64299	28.70323	36.58114	27.4144
07/12/23 01:00	34.48267	23.9286	31.25688	24.28826
07/12/23 02:00	29.85184	21.54211	25.61801	20.36937
07/12/23 03:00	15.84804	18.46452	20.51899	20.17885
07/12/23 04:00	8.20293	14.83757	15.14153	16.60753
07/12/23 05:00	5.7698	12.85892	13.99295	16.38527
07/12/23 06:00	6.03876	10.17389	11.95723	16.73215

07/12/23 07:00	8.06235	9.74933	13.31562	20.10568
07/12/23 08:00	11.09551	11.39741	16.34715	23.90394
07/12/23 09:00	12.80839	12.4803	17.39284	30.23236
07/12/23 10:00	12.70138	13.09247	17.08276	28.75857
07/12/23 11:00	13.70554	13.98635	16.29646	33.23802
07/12/23 12:00	16.74166	13.89237	15.51237	31.62
07/12/23 13:00	17.84102	12.85635	15.15188	32.14377
07/12/23 14:00	17.38038	11.91477	18.12279	32.67425
07/12/23 15:00	14.81032	13.75186	19.84566	36.86668
07/12/23 16:00	13.91071	15.44833	21.51799	33.29169
07/12/23 17:00	13.20592	14.88304	22.45691	34.17474
07/12/23 18:00	14.25054	16.4847	21.20198	33.80492
07/12/23 19:00	14.44685	15.40157	21.41081	29.45162
07/12/23 20:00	16.2061	14.1299	22.50636	30.46618
07/12/23 21:00	15.49836	13.37617	23.4968	41.48362
07/12/23 22:00	13.98916	13.47003	19.11006	36.15139
07/12/23 23:00	19.22351	10.69149	17.85747	36.5074
08/12/23 00:00	26.99386	12.33992	15.61127	27.51759
08/12/23 01:00	25.59378	15.31328	11.63262	35.84546
08/12/23 02:00	15.90637	10.60559	7.17462	21.64313
08/12/23 03:00	12.23073	9.36666	8.14974	23.50413
08/12/23 04:00	7.80072	11.86032	10.18721	31.12417
08/12/23 05:00	9.56902	17.5087	8.62012	32.95927
08/12/23 06:00	26.5152	25.4607	7.05331	31.66397
08/12/23 07:00	19.70504	23.81514	11.70441	49.66461
08/12/23 08:00	32.63722	29.55791	16.35722	58.51814
08/12/23 09:00	35.13095	44.50019	18.396	45.57709
08/12/23 10:00	27.30984	27.23886	17.56455	41.87199
08/12/23 11:00	23.42445	18.29809	12.91213	33.35378
08/12/23 12:00	16.75681	13.97079	11.71005	31.46394
08/12/23 13:00	15.847	18.16043	9.4681	32.29444
08/12/23 14:00	17.80914	19.24531	9.98337	33.38257
08/12/23 15:00	16.73741	19.19973	10.55692	32.93768
08/12/23 16:00	21.72745	20.75297	12.8578	24.02124
08/12/23 17:00	21.82661	20.61438	12.75267	23.58998
08/12/23 18:00	21.67265	18.87248	12.07282	21.18688
08/12/23 19:00	17.73097	13.97736	13.4845	17.45956
08/12/23 20:00	19.99555	14.54276	11.02587	17.83491
08/12/23 21:00	15.65972	12.04852	11.18166	16.36401
08/12/23 22:00	14.39814	12.19022	11.6506	15.80176
08/12/23 23:00	12.08324	11.29584	9.61471	19.24366
09/12/23 00:00	10.12508	11.72001	8.25486	20.35235
09/12/23 01:00	5.50869	9.53363	6.20295	17.38195
09/12/23 02:00	6.04701	8.46718	4.94862	16.05829
09/12/23 03:00	4.33238	6.35038	4.32113	16.65253
09/12/23 04:00	5.29891	4.98607	6.01144	22.10998
09/12/23 05:00	7.15854	4.18601	4.96604	30.36736
09/12/23 06:00	3.58178	3.38663	5.33177	20.06791
09/12/23 07:00	6.40141	4.51581	5.4888	16.11049
09/12/23 08:00	6.80615	4.09225	6.84803	13.95615
09/12/23 09:00	7.71229	4.04532	8.31204	20.51821
09/12/23 10:00	9.5276	7.38467	11.60614	20.25435
09/12/23 11:00	15.58365	9.21755	9.41119	21.91902
09/12/23 12:00	12.10958	12.41439	8.31514	19.58436
09/12/23 13:00	10.04257	15.98332	6.53768	17.06796
09/12/23 14:00	8.12457	11.09214	3.76709	12.32123
09/12/23 15:00	8.68284	12.92717	2.77358	12.10363
09/12/23 16:00	10.08588	11.0477	2.93074	13.79854
09/12/23 17:00	9.73399	13.96191	3.61129	15.77147
09/12/23 18:00	8.52278	13.86509	3.1398	12.8657
09/12/23 19:00	7.818	12.69204	2.82535	10.62883
09/12/23 20:00	6.55946	6.91055	2.14604	11.43623
09/12/23 21:00	4.94451	5.17178	1.62527	10.81065
09/12/23 22:00	4.28857	4.79527	1.67418	10.36438
09/12/23 23:00	4.03485	4.4649	1.46736	10.44047
10/12/23 00:00	3.17603	4.08964	1.41261	7.9074
10/12/23 01:00	3.09274	4.07192	1.04677	6.65966
10/12/23 02:00	4.16774	5.01321	1.11633	8.04884
10/12/23 03:00	3.93307	3.52548	1.20376	11.80089
10/12/23 04:00	4.4392	3.05483	1.2557	15.09931
10/12/23 05:00	4.13654	5.17061	1.25581	19.10472
10/12/23 06:00	4.03632	6.11123	1.67438	7.37354
10/12/23 07:00	6.96424	7.7567	3.76556	7.29182
10/12/23 08:00	9.48067	9.02567	11.19163	13.43569
10/12/23 09:00	11.49908	9.91894	13.38928	15.46058
10/12/23 10:00	9.22735	11.28061	12.66296	23.48055
10/12/23 11:00	12.30128	9.58824	15.70255	22.55843
10/12/23 12:00	10.68269	10.10679	16.47858	28.4758
10/12/23 13:00	13.91175	14.57222	21.09994	22.15147
10/12/23 14:00	14.42295	10.99883	13.02618	19.44362
10/12/23 15:00	13.36744	12.3614	11.14275	25.8892
10/12/23 16:00	12.96304	16.26259	6.49047	31.46735
10/12/23 17:00	11.89536	17.81535	6.69799	31.95018
10/12/23 18:00	10.48683	15.04063	7.22184	19.84174
10/12/23 19:00	12.87349	15.18336	6.43453	12.84545
10/12/23 20:00	6.9149	11.14145	4.18542	10.48467
10/12/23 21:00	6.25973	6.34611	3.45299	13.17351
10/12/23 22:00	4.59534	4.55947	2.98237	12.22937
10/12/23 23:00	3.38267	3.80737	1.98813	6.17422

11/12/23 00:00	1.92023	2.20926	1.56933	2.90615
11/12/23 01:00	1.48249	2.50513	1.39591	2.74325
11/12/23 02:00	1.81697	3.88234	1.11732	1.61109
11/12/23 03:00	2.01915	3.28735	0.89009	2.05793
11/12/23 04:00	3.13256	2.72446	0.88998	5.10716
11/12/23 05:00	3.93346	3.61716	0.89009	5.64496
11/12/23 06:00	6.55405	11.74068	2.19883	10.20934
11/12/23 07:00	11.80396	15.59302	4.2927	13.57991
11/12/23 08:00	16.65955	42.0765	5.81172	21.01234
11/12/23 09:00	23.42433	37.79697	7.43759	25.81018
11/12/23 10:00	20.64236	38.68057	6.23293	35.75267
11/12/23 11:00	14.48825	31.1666	5.02682	29.2936
11/12/23 12:00	13.02579	31.4503	5.76028	21.30678
11/12/23 13:00	14.08319	26.8425	4.55839	28.05283
11/12/23 14:00	13.82926	21.82232	4.34679	21.66399
11/12/23 15:00	22.24826	26.20154	4.8713	23.79721
11/12/23 16:00	33.20145	37.93585	14.9202	35.94031
11/12/23 17:00	62.8598	61.67655	41.04008	37.30169
11/12/23 18:00	63.49914	69.44281	62.35292	38.79784
11/12/23 19:00	43.45245	65.64482	67.76598	42.86632
11/12/23 20:00	33.38298	46.83406	68.02934	52.13773
11/12/23 21:00	26.91278	34.01534	61.27644	52.8397
11/12/23 22:00	23.33349	19.07503	51.05037	61.9895
11/12/23 23:00	27.66638	18.98171	44.40884	43.11451
12/12/23 00:00	18.64183	19.73388	34.74467	32.42152
12/12/23 01:00	17.33756	15.65181	24.01062	22.54961
12/12/23 02:00	14.18161	16.21548	18.84575	18.24895
12/12/23 03:00	12.6026	17.98413	14.81472	15.65647
12/12/23 04:00	5.69709	15.21343	14.29125	19.72931
12/12/23 05:00	5.69657	11.73875	8.79506	19.70271
12/12/23 06:00	6.65509	11.55036	14.65923	32.58616
12/12/23 07:00	14.14183	18.40419	19.78931	39.00145
12/12/23 08:00	27.75104	35.91267	33.66666	48.59662
12/12/23 09:00	37.36644	49.41477	41.6305	56.07352
12/12/23 10:00	22.86358	43.31318	23.7803	48.91018
12/12/23 11:00	18.58476	24.3609	15.34462	39.01335
12/12/23 12:00	18.19506	26.61482	17.75536	46.62524
12/12/23 13:00	16.10719	21.91947	20.112	49.9905
12/12/23 14:00	19.09491	17.50545	16.96653	49.52329
12/12/23 15:00	16.9525	14.13138	15.55234	60.90045
12/12/23 16:00	23.50991	19.15643	23.19474	58.68667
12/12/23 17:00	21.18352	18.40581	22.30485	48.90288
12/12/23 18:00	37.79103	21.97453	31.25747	51.71128
12/12/23 19:00	32.88162	31.64688	23.6187	48.26539
12/12/23 20:00	29.0491	27.65465	17.12326	25.17236
12/12/23 21:00	28.59039	46.69146	12.82752	18.4088
12/12/23 22:00	24.20095	25.72094	8.84969	19.48529
12/12/23 23:00	24.7558	20.17662	11.8321	23.90621
13/12/23 00:00	16.13276	17.32355	9.68465	23.77735
13/12/23 01:00	16.00276	16.07668	9.21852	20.27749
13/12/23 02:00	20.17219	20.51926	9.07911	15.25835
13/12/23 03:00	20.62554	19.60948	9.48023	10.72816
13/12/23 04:00	20.48057	10.18163	9.95189	10.08868
13/12/23 05:00	19.01864	10.83888	5.65739	9.96067
13/12/23 06:00	15.03406	16.32299	4.40041	11.46357
13/12/23 07:00	15.65831	16.59991	8.95997	8.9392
13/12/23 08:00	16.73261	17.81896	9.8514	14.86673
13/12/23 09:00	15.00453	21.32217	6.97401	21.51974
13/12/23 10:00	14.45471	20.93546	6.34359	16.88167
13/12/23 11:00	13.80719	20.61352	5.50531	20.74491
13/12/23 12:00	14.37059	17.57007	6.55424	19.31567
13/12/23 13:00	13.27094	16.11827	8.70266	22.92938
13/12/23 14:00	11.18371	17.99352	5.03384	23.51254
13/12/23 15:00	16.24805	21.18318	5.81955	24.7717
13/12/23 16:00	15.16099	21.7488	6.34455	25.14875
13/12/23 17:00	17.7829	25.53763	6.08181	31.3753
13/12/23 18:00	16.76632	26.15783	6.44833	32.91169
13/12/23 19:00	16.35259	29.1656	7.23453	39.3251
13/12/23 20:00	17.56037	32.26808	10.53353	41.92646
13/12/23 21:00	18.87158	31.84123	13.88248	40.3597
13/12/23 22:00	26.38183	27.15688	15.1383	43.15354
13/12/23 23:00	41.31768	40.88471	13.88102	42.78481
14/12/23 00:00	40.40505	37.80262	11.26221	41.00862
14/12/23 01:00	39.01442	32.69096	13.34587	36.82417
14/12/23 02:00	44.30258	32.87036	15.65143	29.48732
14/12/23 03:00	32.51724	36.53966	22.16692	38.99852
14/12/23 04:00	17.67379	34.49839	24.42164	37.36281
14/12/23 05:00	22.68116	30.52474	23.00634	36.03877
14/12/23 06:00	21.03055	32.25773	25.15698	36.19393
14/12/23 07:00	34.27679	29.34405	33.13206	35.56185
14/12/23 08:00	32.73336	32.94916	39.90559	39.05871
14/12/23 09:00	36.39427	34.53924	37.28613	49.09523
14/12/23 10:00	31.86569	32.56715	23.07512	40.8861
14/12/23 11:00	27.66535	23.37879	16.93375	37.67278
14/12/23 12:00	28.75861	22.34141	15.10319	30.88472
14/12/23 13:00	25.88242	25.15325	15.74002	37.45086
14/12/23 14:00	27.77658	32.36619	11.79908	45.42642
14/12/23 15:00	27.775	42.35423	11.74694	43.51173
14/12/23 16:00	43.04715	54.17881	18.61556	47.49699

14/12/23 17:00	49.47029	57.48977	36.87465	55.25322
14/12/23 18:00	44.99296	58.25423	41.74893	53.67592
14/12/23 19:00	51.89025	58.92698	39.82185	51.45434
14/12/23 20:00	46.01437	57.73701	40.05839	54.51638
14/12/23 21:00	49.76314	42.87495	36.75599	42.47694
14/12/23 22:00	49.28334	44.07705	30.82017	33.95597
14/12/23 23:00	46.17927	45.41613	37.63377	46.80905
15/12/23 00:00	38.62962	46.34193	35.95583	40.0334
15/12/23 01:00	30.63455	31.04569	21.74169	25.2148
15/12/23 02:00	19.24605	28.48371	11.11585	21.26969
15/12/23 03:00	12.87017	17.43325	7.18352	23.07678
15/12/23 04:00	9.23805	20.94585	5.50585	21.62557
15/12/23 05:00	10.40203	29.57099	7.13134	25.88686
15/12/23 06:00	13.78885	28.20777	7.13275	22.43281
15/12/23 07:00	28.04714	33.12779	13.63834	32.18639
15/12/23 08:00	33.39826	43.59533	20.8787	34.89297
15/12/23 09:00	49.53016	56.97064	20.04257	37.63098
15/12/23 10:00	53.36586	48.0976	28.74704	47.60796
15/12/23 11:00	53.36151	42.75777	21.97989	43.46778
15/12/23 12:00	43.70694	47.48015	20.35232	46.63074
15/12/23 13:00	39.01428	No data	24.28662	43.88735
15/12/23 14:00	41.36141	35.46365	23.39258	37.31958
15/12/23 15:00	40.08526	34.85245	No data	44.18548
15/12/23 16:00	47.62679	40.75691	24.28654	47.03998
15/12/23 17:00	39.40499	51.89646	29.26802	45.44184
15/12/23 18:00	41.07504	45.584	24.64939	45.86093
15/12/23 19:00	27.62388	44.31669	22.55329	45.2852
15/12/23 20:00	27.52672	30.03582	21.50228	43.24339
15/12/23 21:00	28.07524	25.4436	18.03777	44.86269
15/12/23 22:00	22.06522	24.92923	17.93458	35.84142
15/12/23 23:00	22.46932	21.27232	15.94267	23.09277
16/12/23 00:00	24.79624	15.69906	13.16132	14.7355
16/12/23 01:00	24.6492	11.05201	18.66166	12.88095
16/12/23 02:00	18.51123	8.49179	5.59178	14.85542
16/12/23 03:00	7.58137	7.30516	4.56092	13.66202
16/12/23 04:00	7.64042	5.29141	3.61734	14.09093
16/12/23 05:00	6.67839	5.8529	3.722	26.42469
16/12/23 06:00	8.18639	6.46133	4.6135	23.27651
16/12/23 07:00	10.92218	7.53827	4.66625	12.51344
16/12/23 08:00	11.47835	9.50538	5.19134	10.62492
16/12/23 09:00	13.15009	9.31782	7.07935	11.87891
16/12/23 10:00	14.51637	14.51415	6.76468	18.14155
16/12/23 11:00	13.60641	14.04415	6.92319	14.05137
16/12/23 12:00	13.04433	11.42128	5.45494	19.58851
16/12/23 13:00	12.54668	9.92307	5.98003	15.35968
16/12/23 14:00	11.79294	15.16496	6.45119	17.73923
16/12/23 15:00	12.13545	14.65348	6.81844	21.85989
16/12/23 16:00	11.98299	15.31163	7.23727	27.4301
16/12/23 17:00	14.96195	15.40601	7.65526	32.2033
16/12/23 18:00	13.3498	16.57474	7.55143	36.48239
16/12/23 19:00	11.57606	16.10733	5.45435	42.33492
16/12/23 20:00	15.42472	15.17002	5.66276	38.81474
16/12/23 21:00	11.67913	10.72303	4.40468	38.91317
16/12/23 22:00	8.99972	8.99033	4.5615	33.75371
16/12/23 23:00	6.31816	7.21108	4.45676	23.35906
17/12/23 00:00	6.98117	5.43153	2.88384	13.525
17/12/23 01:00	5.66979	4.61727	2.79554	10.95425
17/12/23 02:00	4.24836	4.36788	2.79554	10.90971
17/12/23 03:00	5.82105	3.50976	2.41099	11.92067
17/12/23 04:00	3.94783	3.32263	1.62502	9.29422
17/12/23 05:00	3.4935	2.5736	1.46798	9.25443
17/12/23 06:00	2.99085	2.0588	1.67768	7.49043
17/12/23 07:00	5.12515	2.43327	2.09691	5.40142
17/12/23 08:00	4.86245	4.30474	3.14549	4.59368
17/12/23 09:00	5.67448	4.77215	3.72185	6.17228
17/12/23 10:00	7.74584	5.28685	4.92958	7.83627
17/12/23 11:00	7.7415	6.78414	5.13827	8.46452
17/12/23 12:00	7.79144	7.0648	3.72345	9.62641
17/12/23 13:00	8.14643	7.81306	4.61618	10.34877
17/12/23 14:00	9.81448	7.85977	4.77229	11.15651
17/12/23 15:00	9.71243	9.40416	5.45286	13.5841
17/12/23 16:00	8.85154	11.27764	6.60718	14.9895
17/12/23 17:00	9.05076	12.261	5.66205	14.9924
17/12/23 18:00	7.58464	11.32464	5.40012	15.85204
17/12/23 19:00	9.61201	10.94998	4.98021	12.65456
17/12/23 20:00	7.9418	8.42339	4.45558	13.46231
17/12/23 21:00	8.69956	7.48761	4.87473	13.45117
17/12/23 22:00	7.63891	6.69196	3.93112	12.88596
17/12/23 23:00	7.13356	5.28819	2.98786	14.93276
18/12/23 00:00	5.26413	4.44593	2.56846	16.57052
18/12/23 01:00	4.5851	3.92845	2.725	11.09979
18/12/23 02:00	4.32234	4.92609	1.81689	10.57017
18/12/23 03:00	4.30551	5.75243	1.83427	10.44269
18/12/23 04:00	3.74401	4.44252	1.67719	7.02312
18/12/23 05:00	5.26662	2.99255	2.09623	14.14908
18/12/23 06:00	5.51255	4.39593	2.88234	15.2366
18/12/23 07:00	9.21153	7.52909	4.45423	15.95664
18/12/23 08:00	18.74792	13.28004	7.44272	31.75291
18/12/23 09:00	18.09035	18.0485	7.18086	19.75526

18/12/23 10:00	15.95355	14.30883	7.23359	18.47074
18/12/23 11:00	13.17011	13.32589	6.23748	18.88097
18/12/23 12:00	13.11633	12.67084	7.80989	19.00342
18/12/23 13:00	13.46271	12.57608	6.4479	18.81943
18/12/23 14:00	15.89321	13.18482	7.28581	19.81569
18/12/23 15:00	14.57259	14.63525	7.18086	24.04512
18/12/23 16:00	13.66142	16.36485	8.17551	24.67967
18/12/23 17:00	12.69976	17.39522	9.11991	22.2271
18/12/23 18:00	12.38966	16.45942	9.1717	24.53457
18/12/23 19:00	10.57335	14.30846	8.85616	21.40086
18/12/23 20:00	9.30214	11.50357	7.12735	17.98996
18/12/23 21:00	8.60062	12.01792	5.65999	19.7927
18/12/23 22:00	6.62352	10.61538	4.71619	16.14593
18/12/23 23:00	7.28821	8.51101	4.61115	14.73366
19/12/23 00:00	7.99136	8.46424	3.30138	12.76284
19/12/23 01:00	6.21135	6.54305	2.93361	9.80764
19/12/23 02:00	5.33059	5.85748	2.93384	8.8257
19/12/23 03:00	3.74426	6.3559	2.56703	10.44403
19/12/23 04:00	5.00992	7.75776	3.3004	11.91161
19/12/23 05:00	4.653	10.70101	2.67195	8.20904
19/12/23 06:00	8.84362	20.8856	2.77688	9.47577
19/12/23 07:00	26.34095	28.58866	7.70271	16.78919
19/12/23 08:00	38.91915	39.3845	22.48055	29.50322
19/12/23 09:00	33.73586	59.86971	22.22022	36.09553
19/12/23 10:00	27.47106	55.50744	17.55636	49.06353
19/12/23 11:00	31.61173	36.28601	13.62484	38.3691
19/12/23 12:00	29.39619	31.52798	22.74107	32.82686
19/12/23 13:00	22.61545	32.14003	20.22538	No data
19/12/23 14:00	22.45838	34.60663	6.23734	27.14103
19/12/23 15:00	22.00981	36.84783	10.58642	30.9701
19/12/23 16:00	28.1816	34.70075	14.35718	38.06967
19/12/23 17:00	31.66224	30.36636	19.54568	35.77164
19/12/23 18:00	33.44465	32.04493	18.81274	31.85986
19/12/23 19:00	27.25245	33.35572	14.98804	26.77126
19/12/23 20:00	25.08191	36.38826	12.26044	26.24817
19/12/23 21:00	23.61363	31.12149	9.79748	22.76766
19/12/23 22:00	16.68355	25.00226	4.82013	20.2034
19/12/23 23:00	18.81019	26.49333	3.82461	16.42144
20/12/23 00:00	9.5042	15.46485	2.46262	15.51574
20/12/23 01:00	6.74449	10.96047	2.37468	10.13861
20/12/23 02:00	4.85938	12.45511	1.67637	7.49035
20/12/23 03:00	3.3419	11.16145	1.41454	9.44182
20/12/23 04:00	3.74672	8.9667	1.205	7.23635
20/12/23 05:00	4.50862	9.33609	1.20509	4.53229
20/12/23 06:00	4.65577	13.07042	2.20028	7.56029
20/12/23 07:00	11.74884	14.56562	3.03898	10.35987
20/12/23 08:00	18.39211	26.33233	6.34031	14.13737
20/12/23 09:00	30.42883	31.73933	7.44249	18.85683
20/12/23 10:00	18.4432	32.57351	6.23758	27.48411
20/12/23 11:00	15.60665	26.98053	8.48874	23.30769
20/12/23 12:00	16.86288	19.41422	5.55518	19.71081
20/12/23 13:00	11.35459	18.34425	5.87068	18.60094
20/12/23 14:00	11.71389	18.29616	4.71648	17.6129
20/12/23 15:00	14.05027	17.4557	3.77348	21.63039
20/12/23 16:00	17.37643	23.29076	5.81744	26.69289
20/12/23 17:00	17.81676	25.53196	6.13189	28.95936
20/12/23 18:00	14.68591	17.45966	6.08005	28.87204
20/12/23 19:00	8.90448	17.60134	5.50247	21.23213
20/12/23 20:00	9.36095	16.15415	3.82497	21.67502
20/12/23 21:00	6.62769	14.47563	3.14441	20.50221
20/12/23 22:00	6.02073	15.54871	2.93399	16.02997
20/12/23 23:00	6.27507	11.2522	2.40956	13.27887
21/12/23 00:00	4.09767	9.57223	1.78092	10.61173
21/12/23 01:00	4.11624	3.60875	1.67584	5.92224
21/12/23 02:00	2.69922	5.53705	1.39675	4.72411
21/12/23 03:00	2.43055	4.52605	0.94295	4.2088
21/12/23 04:00	2.68558	3.87337	0.89059	3.89748
21/12/23 05:00	2.33226	4.38635	0.78589	5.01396
21/12/23 06:00	2.83498	6.6704	1.15262	7.09342
21/12/23 07:00	5.5279	4.61834	2.04303	11.80477
21/12/23 08:00	6.49464	5.87743	2.72457	4.92826
21/12/23 09:00	6.23791	9.60481	4.40149	6.60975
21/12/23 10:00	6.2879	7.78755	3.87754	8.4694
21/12/23 11:00	5.98288	6.66552	4.66212	8.56139
21/12/23 12:00	7.09563	10.25609	2.93477	11.42616
21/12/23 13:00	7.6602	7.73963	2.88233	10.22012
21/12/23 14:00	7.55175	10.54021	3.98145	12.62446
21/12/23 15:00	8.5134	11.75139	2.98642	13.10814
21/12/23 16:00	9.63011	16.55214	3.45759	12.14708
21/12/23 17:00	7.71019	13.71357	5.1852	8.68874
21/12/23 18:00	7.04112	12.96844	4.55689	15.29411
21/12/23 19:00	7.39274	8.86332	4.29521	11.70601
21/12/23 20:00	8.10219	7.41759	3.71899	11.7123
21/12/23 21:00	6.17719	8.35076	3.29992	10.82096
21/12/23 22:00	7.28768	6.11033	3.40453	9.29537
21/12/23 23:00	6.62652	5.22425	4.39869	12.70869
22/12/23 00:00	6.12098	5.03737	2.25165	7.50059
22/12/23 01:00	5.05973	3.73026	2.16381	6.63899
22/12/23 02:00	4.11873	4.10407	1.67543	5.89134

22/12/23 03:00	2.99077	8.15819	1.62312	6.66238
22/12/23 04:00	3.19536	5.03674	1.30918	5.44107
22/12/23 05:00	3.04249	3.63623	1.04748	7.47432
22/12/23 06:00	3.69823	3.91619	1.51889	6.31886
22/12/23 07:00	8.61656	6.47985	2.30468	8.34239
22/12/23 08:00	12.26651	10.53527	2.98535	12.64648
22/12/23 09:00	13.47514	13.14463	5.76125	14.56699
22/12/23 10:00	12.15676	14.45161	5.02921	17.96022
22/12/23 11:00	14.08833	12.86356	5.0812	19.89316
22/12/23 12:00	11.34872	13.79705	4.92374	18.7022
22/12/23 13:00	13.6389	11.46542	4.92524	19.92546
22/12/23 14:00	12.11249	11.70072	4.24422	17.88735
22/12/23 15:00	13.63431	16.59514	5.44739	19.10401
22/12/23 16:00	13.12455	15.61516	6.18155	19.94026
22/12/23 17:00	13.77915	12.95844	6.0759	24.25845
22/12/23 18:00	11.24413	12.95971	5.65613	19.71289
22/12/23 19:00	12.09931	11.65535	6.23424	20.03188
22/12/23 20:00	10.98381	10.5363	4.45128	20.93323
22/12/23 21:00	8.35451	10.11799	3.03716	17.84802
22/12/23 22:00	8.04992	10.25793	3.08923	12.33235
22/12/23 23:00	6.1258	8.62553	2.67016	10.52042
23/12/23 00:00	4.8103	6.94632	1.88526	9.90431
23/12/23 01:00	4.79351	5.52966	1.117	7.90975
23/12/23 02:00	2.97676	3.85245	1.11712	4.34989
23/12/23 03:00	2.23373	3.16895	0.83793	4.80777
23/12/23 04:00	5.48692	3.12211	0.89016	4.41375
23/12/23 05:00	4.56807	3.6341	0.73337	4.97843
23/12/23 06:00	3.50209	5.54378	1.15179	3.26046
23/12/23 07:00	4.86931	5.31154	1.25689	6.39219
23/12/23 08:00	8.00851	5.03239	1.57129	3.98562
23/12/23 09:00	12.82141	7.82773	2.40922	6.76039
23/12/23 10:00	10.59408	8.85143	3.56226	11.46335
23/12/23 11:00	8.67031	9.87519	3.30081	14.41074
23/12/23 12:00	8.77499	10.24887	3.56279	11.61546
23/12/23 13:00	9.58567	11.73878	3.35314	11.7832
23/12/23 14:00	10.65107	11.1328	2.77746	12.28843
23/12/23 15:00	9.68802	10.57548	2.77568	14.87055
23/12/23 16:00	9.53566	15.32833	2.98561	15.32701
23/12/23 17:00	9.73164	16.72661	3.92729	16.59641
23/12/23 18:00	8.10912	19.4761	3.87497	16.14483
23/12/23 19:00	10.84589	13.23296	3.45609	14.63067
23/12/23 20:00	8.56738	10.34552	3.14151	12.88095
23/12/23 21:00	6.94544	6.47736	3.92622	10.73429
23/12/23 22:00	4.81813	5.96528	2.87908	11.0025
23/12/23 23:00	4.46222	5.63807	1.83248	17.26009
24/12/23 00:00	3.85683	4.38047	1.20421	12.9009
24/12/23 01:00	2.63828	4.16028	1.25611	9.05602
24/12/23 02:00	3.18368	3.66359	1.04686	7.46998
24/12/23 03:00	2.03109	3.81894	0.83755	7.02722
24/12/23 04:00	2.99455	3.12035	0.7331	11.64166
24/12/23 05:00	2.12997	2.60766	0.9944	10.38268
24/12/23 06:00	2.4884	2.00216	1.15142	4.93957
24/12/23 07:00	2.23591	2.56093	1.5702	2.99117
24/12/23 08:00	2.33714	3.44606	1.98906	3.35238
24/12/23 09:00	3.70493	2.84042	1.62296	3.39717
24/12/23 10:00	3.50306	4.33018	1.88479	5.00005
24/12/23 11:00	4.66662	6.47208	1.93783	7.36425
24/12/23 12:00	5.0227	7.031	2.25197	9.05278
24/12/23 13:00	5.67952	7.9154	2.72279	10.33874
24/12/23 14:00	6.28749	7.86948	2.72297	8.54642
24/12/23 15:00	7.30215	8.00835	2.87991	7.89184
24/12/23 16:00	6.03146	9.96335	2.87937	8.59611
24/12/23 17:00	8.05902	10.47757	2.87919	9.41203
24/12/23 18:00	4.36057	8.19439	2.66994	8.2998
24/12/23 19:00	8.02079	4.7952	2.45987	6.74072
24/12/23 20:00	7.85951	4.0509	1.88497	5.70923
24/12/23 21:00	7.5052	5.68077	1.5186	7.00942
24/12/23 22:00	4.76726	5.02957	1.51815	6.11866
24/12/23 23:00	5.1198	4.28367	2.04119	3.75249
25/12/23 00:00	3.65137	3.30624	1.51779	3.12847
25/12/23 01:00	2.30026	3.35076	1.46512	2.43782
25/12/23 02:00	2.16683	3.47535	1.25592	3.26766
25/12/23 03:00	1.06694	4.56126	0.62814	3.21365
25/12/23 04:00	2.08264	3.11843	0.47133	3.25933
25/12/23 05:00	1.62393	2.46652	0.36664	3.88566
25/12/23 06:00	2.63843	2.83892	0.41931	3.12523
25/12/23 07:00	6.54993	4.18865	0.99442	4.4211
25/12/23 08:00	7.76997	4.2352	3.03512	5.67277
25/12/23 09:00	8.47707	3.95584	3.13927	11.03213
25/12/23 10:00	6.4987	4.7467	2.6169	10.45001
25/12/23 11:00	7.61208	6.32912	2.66875	6.16055
25/12/23 12:00	8.01956	6.28277	5.70341	4.95408
25/12/23 13:00	8.22389	8.00414	5.44182	5.04497
25/12/23 14:00	8.21791	6.79468	3.82007	5.04447
25/12/23 15:00	6.34679	6.74827	3.87174	6.65228
25/12/23 16:00	7.56324	6.93468	3.66254	8.44087
25/12/23 17:00	7.30827	7.0744	3.97634	6.25341
25/12/23 18:00	5.38412	5.81769	3.76714	6.82665
25/12/23 19:00	8.24483	5.86389	3.60987	5.98569

25/12/23 20:00	5.83326	7.44617	2.66911	5.18104
25/12/23 21:00	3.40036	6.23615	1.88416	4.50903
25/12/23 22:00	3.09475	4.46754	1.04682	4.6009
25/12/23 23:00	3.19662	3.25717	0.8901	3.26081
26/12/23 00:00	2.43529	3.16442	0.83789	3.21414
26/12/23 01:00	2.43634	2.35654	0.48874	3.09044
26/12/23 02:00	1.89601	3.78299	0.48874	2.85246
26/12/23 03:00	2.23189	3.48829	0.41885	2.80817
26/12/23 04:00	2.13847	3.02311	0.41885	4.03826
26/12/23 05:00	1.72776	2.51149	0.26198	3.29752
26/12/23 06:00	2.28558	2.55794	0.48838	3.83347
26/12/23 07:00	6.55402	3.44157	0.57598	2.67282
26/12/23 08:00	9.45111	4.41811	1.83142	6.23015
26/12/23 09:00	10.9074	4.69669	2.87743	9.0408
26/12/23 10:00	13.74959	4.18532	3.29682	7.83008
26/12/23 11:00	11.83376	6.4631	4.76268	11.43352
26/12/23 12:00	12.34396	10.27476	5.23436	18.01024
26/12/23 13:00	17.47052	15.0654	7.85036	17.21597
26/12/23 14:00	17.00552	14.97416	9.62565	21.28152
26/12/23 15:00	20.24811	23.29809	12.65829	26.35393
26/12/23 16:00	26.92803	36.08797	19.927	34.22573
26/12/23 17:00	35.77369	57.15294	36.04857	38.45888
26/12/23 18:00	40.6952	47.16054	55.6443	37.37143
26/12/23 19:00	23.2168	40.418	53.70593	44.1006
26/12/23 20:00	20.18654	25.62747	44.10597	52.43514
26/12/23 21:00	14.7518	18.51181	41.47261	48.30589
26/12/23 22:00	12.66823	18.55832	38.12451	32.5925
26/12/23 23:00	11.75703	13.48857	22.43303	23.20364
27/12/23 00:00	9.11989	14.88443	18.56297	18.03995
27/12/23 01:00	11.0153	14.00663	20.77094	13.45631
27/12/23 02:00	11.35396	14.68817	18.81938	9.01289
27/12/23 03:00	13.42985	11.01612	16.83297	11.15224
27/12/23 04:00	15.00574	9.76096	13.22578	11.37544
27/12/23 05:00	10.84782	8.22688	10.97819	11.63324
27/12/23 06:00	6.13368	8.69174	10.24672	10.04719
27/12/23 07:00	7.31584	8.13398	9.72426	14.20513
27/12/23 08:00	7.98815	6.2745	7.26738	17.21099
27/12/23 09:00	5.64044	6.13486	7.16338	20.93027
27/12/23 10:00	5.38522	5.06538	5.28115	18.7289
27/12/23 11:00	5.74241	4.97254	4.70595	14.7058
27/12/23 12:00	5.94757	4.83321	4.75832	10.29902
27/12/23 13:00	6.55569	5.48363	5.12433	9.45126
27/12/23 14:00	6.20034	4.50762	4.60196	11.02089
27/12/23 15:00	5.48964	5.15829	4.34022	9.17656
27/12/23 16:00	6.71141	5.94886	4.28794	8.87522
27/12/23 17:00	7.72002	7.90099	4.02749	8.17402
27/12/23 18:00	8.32936	8.59839	3.55694	9.45673
27/12/23 19:00	10.2735	7.34348	3.5042	8.9317
27/12/23 20:00	6.39997	6.46038	3.55583	11.95994
27/12/23 21:00	5.0311	4.97317	2.30089	9.01431
27/12/23 22:00	3.86739	3.34644	2.82344	8.57538
27/12/23 23:00	5.44081	3.532	2.09179	5.37395
28/12/23 00:00	2.80072	2.55593	1.62114	4.30847
28/12/23 01:00	2.10709	2.29128	0.83704	3.8438
28/12/23 02:00	2.17386	2.78694	0.69743	6.14369
28/12/23 03:00	1.73303	2.87979	0.57543	4.38297
28/12/23 04:00	1.93582	2.5545	0.78438	2.34035
28/12/23 05:00	2.19242	1.997	0.8889	4.50086
28/12/23 06:00	2.39334	2.69374	1.15049	5.95153
28/12/23 07:00	5.6479	4.96945	2.3006	6.7488
28/12/23 08:00	8.50996	9.47455	2.87659	8.12054
28/12/23 09:00	9.66229	8.26672	2.45757	11.6463
28/12/23 10:00	15.29087	7.33766	3.13873	2.74048
28/12/23 11:00	9.30741	9.00919	4.18451	2.24394
28/12/23 12:00	7.12246	6.6872	3.13808	2.77046
28/12/23 13:00	6.1586	6.96592	3.66097	3.12213
28/12/23 14:00	7.1206	5.57239	3.13817	6.38364
28/12/23 15:00	7.37283	8.9167	3.08572	10.27256
28/12/23 16:00	10.11108	14.44371	2.98111	13.84427
28/12/23 17:00	9.70738	19.08799	3.81701	11.80665
28/12/23 18:00	10.92161	11.98301	5.07239	16.6417
28/12/23 19:00	10.68245	10.21786	4.07868	14.50767
28/12/23 20:00	8.58146	9.0102	5.0722	12.20378
28/12/23 21:00	7.61511	7.24463	3.08535	11.52191
28/12/23 22:00	7.16506	5.43386	3.65967	9.71407
28/12/23 23:00	4.98386	5.991	2.19608	8.19946
29/12/23 00:00	3.86417	4.41196	2.30041	6.9656
29/12/23 01:00	3.52817	3.34139	1.32412	3.89323
29/12/23 02:00	1.83592	5.01275	1.32424	5.93276
29/12/23 03:00	1.88474	3.52769	1.09777	5.38151
29/12/23 04:00	2.54848	2.59916	0.67988	6.09256
29/12/23 05:00	2.75135	2.27411	1.35929	4.28159
29/12/23 06:00	2.59541	4.59469	1.04581	3.01269
29/12/23 07:00	6.919	8.26107	2.24789	4.82466
29/12/23 08:00	14.2069	12.02053	5.17518	7.13031
29/12/23 09:00	14.84097	13.13254	5.7501	10.3659
29/12/23 10:00	13.98194	13.87623	5.75	12.71141
29/12/23 11:00	16.32061	15.77931	8.20604	16.93708
29/12/23 12:00	13.83042	21.48572	7.26623	22.34318

29/12/23 13:00	14.24562	18.70189	5.43736	19.66193
29/12/23 14:00	13.87608	14.4326	5.22818	17.55737
29/12/23 15:00	23.27999	15.12846	6.48298	16.50534
29/12/23 16:00	23.61946	21.53383	8.36456	15.89409
29/12/23 17:00	24.93558	24.41158	11.39598	19.5075
29/12/23 18:00	19.85755	21.48865	8.04986	20.27196
29/12/23 19:00	15.85405	18.19239	4.70467	19.07927
29/12/23 20:00	17.88337	15.96516	5.22799	17.4418
29/12/23 21:00	13.76581	14.89703	3.92067	15.44378
29/12/23 22:00	10.05715	10.39519	5.90609	10.28841
29/12/23 23:00	9.80293	10.20978	5.59186	12.42608
30/12/23 00:00	8.684	9.8387	4.75626	16.1453
30/12/23 01:00	11.92773	10.20409	2.92605	11.2561
30/12/23 02:00	8.26695	9.09112	3.97062	10.64464
30/12/23 03:00	9.40052	6.72546	4.02286	16.82972
30/12/23 04:00	9.35745	6.26158	3.91858	16.90521
30/12/23 05:00	7.98562	6.26184	4.02276	25.70518
30/12/23 06:00	8.64073	9.64803	5.64205	21.20307
30/12/23 07:00	10.75806	8.58099	7.20996	34.14977
30/12/23 08:00	12.40491	6.63258	9.24731	38.60951
30/12/23 09:00	10.11468	6.86441	9.92703	36.15669
30/12/23 10:00	11.13775	6.67891	8.77795	29.28467
30/12/23 11:00	9.19821	8.53418	10.24148	28.17513
30/12/23 12:00	8.49236	9.97122	7.99499	36.53149
30/12/23 13:00	10.16862	6.91027	7.10681	40.03856
30/12/23 14:00	7.93233	7.55966	6.68864	30.69356
30/12/23 15:00	7.93169	6.72477	6.00949	30.02658
30/12/23 16:00	7.57524	7.60636	5.74785	20.45249
30/12/23 17:00	7.16935	9.32257	5.22502	26.22808
30/12/23 18:00	6.35499	6.6787	5.38173	23.10472
30/12/23 19:00	6.93036	6.12225	4.85928	20.79024
30/12/23 20:00	7.62342	4.91621	3.9711	16.48592
30/12/23 21:00	15.43765	6.9573	3.70973	25.91114
30/12/23 22:00	9.85204	9.833	3.39641	30.47922
30/12/23 23:00	4.92282	5.84419	2.56037	25.63927
31/12/23 00:00	6.91182	4.59186	2.03783	20.88946
31/12/23 01:00	9.08171	3.2755	2.08952	17.14182
31/12/23 02:00	3.39423	4.20255	1.74137	12.15431
31/12/23 03:00	2.43509	3.24462	1.67187	15.21011
31/12/23 04:00	1.57544	3.47636	2.03733	18.77692
31/12/23 05:00	1.47392	2.68825	2.1939	17.32792
31/12/23 06:00	2.94979	2.92003	1.41057	7.01919
31/12/23 07:00	7.99167	3.70809	2.664	8.07784
31/12/23 08:00	5.65033	6.5356	6.11094	9.79719
31/12/23 09:00	3.00508	6.11835	3.86568	9.44853
31/12/23 10:00	6.35964	4.68116	4.9632	20.64949
31/12/23 11:00	7.83616	6.11756	5.27739	9.66151
31/12/23 12:00	8.90596	7.27616	4.9631	10.30602
31/12/23 13:00	10.84319	5.6538	4.28498	12.04056
31/12/23 14:00	9.42196	7.73992	4.33739	12.60879
31/12/23 15:00	9.46884	9.45459	4.59812	14.10909
31/12/23 16:00	11.24795	9.40888	4.96377	15.51185
31/12/23 17:00	13.27892	9.03833	6.06053	18.5165
31/12/23 18:00	9.8209	12.79188	4.75469	16.50737
31/12/23 19:00	11.99872	10.15028	4.12783	11.32804
31/12/23 20:00	8.85715	6.99862	4.23218	10.05591
31/12/23 21:00	8.44914	7.09158	3.18746	8.55206
31/12/23 22:00	5.8039	5.83982	1.88114	10.14333
31/12/23 23:00	3.51007	4.72707	1.41076	11.01651
01/01/24 00:00	2.54632	4.91265	0.88882	9.11928
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Annualisation Summary - Information Only

Go to STEP 3 - Bias Adjustment

Diffusion Tube ID	Annualisation Factor Leamington Spa	Annualisation Factor Leicester University	Annualisation Factor Northampton Spring Park	Annualisation Factor Nottingham Centre	Average Annualisation Factor	Raw Data Simple Annual Mean (µg/m3)	Annualised Data Simple Annual Mean (µg/m3)	Comments
11n	0.8229	0.8773	0.8385	0.8806	0.8548	26.2	22.4	
32n	0.9022	0.9258	0.9393	0.9442	0.9279	24.8	-	
44n	0.8635	0.9048	0.8764	0.9171	0.8904	21.1	-	
49n	1.0430	1.0053	1.0364	0.9963	1.0202	24.0	24.4	
50n	0.9955	0.9931	1.0281	0.9722	0.9972	16.7	16.6	

Bias Adjustment Factor

Click here to access the latest National Diffusion Tube Bias Adjustment Spreadsheet

Enter data into the pink cells

i) Enter National Bias Adjustment Factor	0.77	

ii) How many co-located diffusion tube sites are there in your Local Authority area?	0	*Review national bias adjusted annual mean results below*
Local Bias Adjustment Factor		*No Local Bias Adjustment factor calculated*

iii) Which bias adjustment factor will be used for data processing?	National	*Proceed to STEP 4 - Fall off with Distance tab*

Diffusion Tube ID	Simple Annual Mean (µg/m3)			Comment
	Raw Data	Bias Adjusted and Annualised		
		National Factor (0.77)	No Local Factor	
01n	39.9	30.7		
11n	26.2	17.2		
12n	27.5	21.2		
18n	36.7	28.2		
22n	17.1	13.2		
23n	28.2	21.7		
24n	34.7	26.7		
25n	29.8	23.0		
26n	31.5	24.3		
27n	29.9	23.0		
28n	16.9	13.0		
29n	20.1	15.5		
30n	20.0	15.4		
31n	31.1	23.9		
32n	24.8	19.1		
33n	22.3	17.1		
34n	48.0	37.0		
35n	36.8	28.3		
36n	36.0	27.7		
37n	26.1	20.1		
38n	18.5	14.3		
39n	18.0	13.9		
40n	21.3	16.4		
41n	18.0	13.8		
42n	22.7	17.4		
43n	22.7	17.5		
44n	21.1	16.3		
45n	16.4	12.6		
46n	32.6	25.1		
47n	29.8	23.0		
48n	27.2	20.9		
49n	24.0	18.8		
50n	16.7	12.8		
51n	15.8	12.2		

Fall off with Distance Inputs

i) Enter background concentration for each diffusion tube listed. Once completed see Results tables

Enter data into the pink cells

Diffusion Tube ID	Distance (m)		NO_2 Annual Mean Concentration ($\mu g/m^3$)			Comment
	Monitoring Site to Kerb	Receptor to Kerb	Bias Adjusted and Annualised	Background	Predicted at Receptor	
34n	2.3	2.8	37.0	7.8	35.6	

Details of Non-Automatic Monitoring Sites - Table A.2

Enter data into the pink cells

Diffusion Tube ID	Site Name	Site Type	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Pollutants Monitored	In AQMA? Which AQMA?	Distance to Relevant Exposure (m)	Distance to Kerb of Nearest Road (m)	Tube Co-located with a Continuous Analyser	Height (m)
01n	Lut. Service Shop	Roadside	454475	284560	NO2	Lutterworth	0.0	4.2		2.0
11n	Day Nursery	Roadside	454539	284932	NO2		9.0	1.3		2.0
12n	A6 Kibworth	Roadside	468425	294314	NO2	Kibworth	10.7	1.3		2.0
18n	Jazz Hair	Roadside	454443	284348	NO2	Lutterworth	0.0	3.0		2.0
22n	77 leicester road	Roadside	454533	284872	NO2		0.0	13.5		2.0
23n	6 The Terrace Rugby Road	Roadside	454428	284274	NO2	Lutterworth	0.0	2.5		2.0
24n	regent court	Roadside	454410	284326	NO2	Lutterworth	2.0	1.0		2.0
25n	26 Market Street Lutterworth	Roadside	454497	284618	NO2	Lutterworth	1.6	4.8		2.0
26n	24 Rugby Road Lutterworth	Roadside	454432	284229	NO2		0.0	2.0		2.0
27n	17 Rugby road Lutterworth	Roadside	454476	284178	NO2		3.7	5.2		2.0
28n	Spencerdene main street theddingworth	Roadside	466535	285545	NO2		1.2	0.2		2.0
29n	Homeside main street Theddingworth	Roadside	466651	285607	NO2		0.2	1.4		2.0
30n	40 regent street lutterworth	Roadside	466651	285607	NO2		0.2	1.4		2.0
31n	69 leicester road Kibworth	Roadside	467933	294660	NO2	Kibworth	3.5	4.0		2.0
32n	Alma House, Watling Street Claybrooke Parva	Roadside	448065	287719	NO2		0.0	7.0		2.0
33n	sign post outside White House Farm Watling street	Roadside	448948	286554	NO2		14.0	1.0		2.0
34n	sign outside 64 Leicester Road Kibworth	Roadside	468143	294351	NO2	Kibworth	0.5	2.3		2.0
35n	lamppost outside 78 leicester road kibworth	Roadside	468022	294450	NO2	Kibworth	3.1	6.4		2.0
36n	signpost just north of 11 Leicester road Kibworth	Roadside	468309	294352	NO2	Kibworth	0.0	1.4		2.0
37n	pizza Express st marys road	Roadside	473749	287214	NO2		0.0	1.4		2.0
38n	coach and horse kibworth	Roadside	468403	294298	NO2	Kibworth	2.2	2.5		2.0
39n	lamppost 29 church road kibworth	Roadside	468412	294218	NO2		10.2	2.0		2.0
40n	106 main street kibworth	Roadside	468027	294570	NO2		0.0	1.7		2.0
41n	lampost outside 52 Leicester Road	Roadside	468982	293824	NO2	Kibworth	9.0	2.2		2.0
42n	oad sign on leicester road, rear of 9 Milestone Close	Roadside	469037	293796	NO2		12.0	2.0		2.0
43n	3 dunton road BA	Roadside	453583	292002	NO2		2.9	1.5		2.0
44n	6 Main Street, BA (on wooden pole outside the shop	Roadside	453625	291935	NO2		2.0	0.2		2.0
45n	lampost est of 5 Lutterworth road Walcote	Roadside	456575	283605	NO2		3.0	0.2		2.0
46n	w junction welland park road and northamton road M	Roadside	473596	286821	NO2		14.0	2.3		2.0
47n	53 northamton road MH	Roadside	473598	286851	NO2		9.0	1.0		2.0
48n	7 leicester road MH	Roadside	473172	287534	NO2		2.6	2.9		2.0
49n	lamppost outside 12 Springfield Street MH	Roadside	473678	286931	NO2		2.1	1.9		2.0
50n	lamppost carpark adj Fleckney Fish bar, High street	Roadside	464971	293501	NO2		0.1	2.0		2.0
51n	ppost outside thurnby memorial hall, main street, bus	Roadside	464773	303914	NO2		1.6	3.8		2.0

Annual Mean NO_2 Monitoring Results - Table A.4

Enter data into the pink cells

Diffusion Tube ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	Site Type	Valid Data Capture for Monitoring Period (%)	Valid Data Capture 2023 (%)	NO_2 Annual Mean Concentration ($\mu g/m^3$)				
						2019	2020	2021	2022	2023
01n	454475	284560	Roadside		98.1	37.9	29.2	31.7	31.9	30.7
11n	454539	284932	Roadside		64.6	**41.8**	21.6	22.9	17.9	17.2
12n	468425	294314	Roadside		98.1	29.4	20.7	22.7	22.7	21.2
18n	454443	284348	Roadside		98.1	34.0	26.1	28.4	29.8	28.2
22n	454533	284872	Roadside		98.1	18.3	14.3	14.6	13.8	13.2
23n	454428	284274	Roadside		89.6	25.3	19.9	23.3	22.8	21.7
24n	454410	284326	Roadside		98.1	32.8	26.7	28.8	27.5	26.7
25n	454497	284618	Roadside		98.1	29.7	23.6	24.3	24.5	23.0
26n	454432	284229	Roadside		98.1	30.2	25.2	26.2	24.4	24.3
27n	454476	284178	Roadside		90.9	24.4	21.0	23.8	22.9	23.0
28n	466535	285545	Roadside		98.1	17.5	14.5	12.2	12.8	13.0
29n	466651	285607	Roadside		98.1	21.6	14.6	17.7	17.3	15.5
30n	466651	285607	Roadside		89.6	17.6	12.7	14.1	16.7	15.4
31n	467933	294660	Roadside		87.9	28.6	23.6	25.2	23.1	23.9
32n	448065	287719	Roadside		72.0	23.9	18.8	20.6	17.3	19.1
33n	448948	286554	Roadside		98.1	21.9	16.4	17.8	18.0	17.1
34n	468143	294351	Roadside		98.1	**52.0**	37.6	38.0	39.6	37.0
35n	468022	294450	Roadside		98.1	38.5	26.2	30.7	29.6	28.3
36n	468309	294352	Roadside		98.1	34.5	24.8	26.8	27.9	27.7
37n	473749	287214	Roadside		98.1	27.7	20.3	20.7	20.9	20.1
38n	468403	294298	Roadside		98.1	19.8	15.0	15.3	16.7	14.3
39n	468412	294218	Roadside		98.1	17.7	13.9	14.9	14.3	13.9
40n	468027	294570	Roadside		98.1	21.1	16.1	16.3	15.8	16.4
41n	468982	293824	Roadside		98.1	19.3	13.4	14.9	15.4	13.8
42n	469037	293796	Roadside		82.1	21.6	15.3	16.8	16.1	17.4
43n	453583	292002	Roadside		89.8	19.1	15.4	18.4	18.0	17.5
44n	453625	291935	Roadside		71.7	18.1	13.0	13.3	12.5	16.3
45n	456575	283605	Roadside		98.1	31.4	22.0	24.1	26.5	12.6
46n	473596	286821	Roadside		87.9	27.0	21.9	25.9	24.6	25.1
47n	473598	286851	Roadside		98.1	26.1	18.5	22.4	21.3	23.0
48n	473172	287534	Roadside		98.1	26.0	17.9	22.8	20.9	20.9
49n	473678	286931	Roadside		67.6		12.8	14.9	13.8	18.8
50n	464971	293501	Roadside		64.8		10.3	11.8	13.1	12.8
51n	464773	303914	Roadside		82.7			17.7	15.2	12.2

Annual Report Results Table - Table B.1

STEP 1 - DT Calendar Inputs Error	STEP 2 - Diffusion Tube Inputs Error	STEP 2a - Annualisation Inputs Error	STEP 3 - Bias Adjustment Error	STEP 4 - Fall off with Distance Error	Diffusion Tube Co-ordinate Check Warning
None	None	None	None	None	Highlighted X and Y OS grid co-ordinates may be incorrect. Check 'STEP 2 - Diffusion Tube Inputs' tab.

Bias Adjustment Factor = National

Diffusion Tube ID	X OS Grid Ref (Easting)	Y OS Grid Ref (Northing)	NO_2 Mean Concentrations (µg/m^3)												Simple Annual Mean (µg/m3)			Comment
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Raw Data	Bias Adjusted (0.77) and Annualised	Distance Corrected to Nearest Exposure	
01n	454475	284560	52.4	39.4	39.6	37.1	37.9	42.7	41.7	38.6	37.6	35.6	42.2	33.7	39.9	30.7		
11n	454539	284932	32.6	21.9	33.3	25.0					26.3	25.6	26.7	18.0	26.2	17.2		
12n	468425	294314	34.7	30.0	26.6	22.9	25.0	25.6	26.8	23.6	23.4	28.8	36.9	25.7	27.5	21.2		
18n	454443	284348	48.9	30.7	50.7	40.3	26.6	33.5	35.8	43.0	33.5	35.1	38.8	23.1	36.7	28.2		
22n	454533	284872	18.5	18.8	19.6	16.1	14.8	14.7	16.0	16.5	16.3	18.3	21.7	13.9	17.1	13.2		
23n	454428	284274	32.3	24.6	33.8	35.6		24.2	20.7	32.3	26.4	27.1	29.1	23.7	28.2	21.7		
24n	454410	284326	50.6	25.6	42.2	29.2	29.4	32.6	33.4	41.4	31.7	30.3	40.7	28.7	34.7	26.7		
25n	454497	284618	41.0	30.6	38.8	33.5	16.3	27.4	27.1	34.6	29.7	27.9	28.7	22.5	29.8	23.0		
26n	454432	284229	46.8	40.6	37.5	17.5	30.4	33.1	31.1	26.2	27.2	28.2	32.2	27.3	31.5	24.3		
27n	454476	284178	37.1	27.9	36.5	28.8	24.0		26.3	29.7	30.2	27.4	34.0	26.5	29.9	23.0		
28n	466535	285545	23.1	15.5	18.2	13.8	14.8	14.2	14.1	14.5	19.9	23.1	14.9	16.8	16.9	13.0		
29n	466651	285607	34.5	23.8	22.5	21.0	17.2	16.5	18.3	22.2	16.3	16.4	21.3	11.4	20.1	15.5		
30n	466651	285607	28.7	18.6	27.6	31.3		14.5	12.5	16.2	16.8	18.7	17.2	18.0	20.0	15.4		
31n	467933	294660	49.8	25.3	32.9	32.0	24.3	23.4	26.7		29.6	34.8	37.8	25.0	31.1	23.9		
32n	448065	287719	34.5	21.0	30.3	24.0	22.1	18.9			21.6		34.0	16.8	24.8	19.1		
33n	448948	286554	33.7	21.7	26.3	18.8	18.3	19.0	21.7	19.7	19.1	22.4	24.9	21.6	22.3	17.1		
34n	468143	294351	62.3	56.4	50.5	44.6	47.9	52.3	49.6	49.7	52.0	51.9	41.2	18.1	48.0	37.0	35.6	
35n	468022	294450	55.5	39.7	43.2	36.6	37.6	40.7	40.3	14.7	36.4	32.6	35.8	28.0	36.8	28.3		
36n	468309	294352	43.6	32.6	43.9	33.5	31.9	34.8	32.9	32.8	36.9	37.5	41.5	30.3	36.0	27.7		
37n	473749	287214	38.0	27.1	33.5	23.0	22.2	23.4	24.1	20.6	24.3	25.0	28.4	24.1	26.1	20.1		
38n	468403	294298	33.2	19.1	26.5	18.6	14.9	22.5	17.1	19.1	15.1	20.9	1.8	13.4	18.5	14.3		
39n	468412	294218	28.7	19.9	20.3	17.3	13.5	16.7	14.3	13.1	15.7	19.5	22.1	15.2	18.0	13.9		
40n	468027	294570	18.4	23.6	19.0	15.8	17.6	17.3	16.6	37.2	20.4	22.7	26.3	21.1	21.3	16.4		
41n	468982	293824	28.9	21.9	27.0	15.6	13.7	13.9	14.7	17.4	18.3	17.7	13.7	12.8	18.0	13.8		
42n	469037	293796	32.2		32.2	20.3		17.8	18.4	22.8	17.6	21.5	27.1	16.6	22.7	17.4		
43n	453583	292002	35.1	25.7	30.1	21.5	18.4	15.9	17.4	20.8	18.6		28.8	17.1	22.7	17.5		
44n	453625	291935	31.4	20.0	27.2	15.6		26.0			15.0	19.2	20.3	15.6	21.1	16.3		
45n	456575	283605	20.0	18.0	19.9	10.2	14.9	14.1	15.0	12.9	16.7	17.9	19.2	18.1	16.4	12.6		
46n	473596	286821	48.6	34.6	36.8	28.0	29.5	32.3	33.4		31.4	32.4	24.7	27.0	32.6	25.1		
47n	473598	286851	40.3	29.7	43.1	33.1	27.6	26.1	28.8	33.1	24.8	24.2	27.7	19.3	29.8	23.0		
48n	473172	287534	38.4	22.6	37.7	29.8	23.6	15.8	23.8	25.8	24.3	28.6	37.1	18.7	27.2	20.9		
49n	473678	286931		25.5	29.5		21.4	20.7	23.5	29.6			20.8	20.7	24.0	18.8		
50n	464971	293501		17.1	24.6	15.4	13.0	12.9	14.2				20.6	15.6	16.7	12.8		
51n	464773	303914	36.3	20.1	16.6	12.6	10.7	9.3	11.2	10.5			14.8	16.0	15.8	12.2		

Once finalised, click here to Export Data. The output file can be directly uploaded to the Diffusion Tube Data Entry System (DTDES)

Unique ID	Site ID	Site Name	New / Existing	Single / Duplicate / Triplicate	Site Type	X OS Grid Reference	Y OS Grid Reference	Height (m)	Distance to Kerb of Nearest Road (m)	Data Capture (%)	National or Local Bias Adjustment	Bias Adjustment Factor	1	2	3	4	5	6	7	8	9	10	11	12	13	Raw Annual Mean (µg/m3)	Bias Adjusted and Annualised Annual Mean (µg/m3)	Distance Corrected Annual Mean (µg/m3)
01n454475284560	01n	Lut. Service Shop	Existing	Single	Roadside	454475	284560	2.0	4.2	98.1	National	0.77	52.4	39.4	39.6	37.1	37.9	42.7	41.7	38.6	37.6	35.6	42.2	33.7		39.9	30.7	
11n454539284932	11n	Day Nursery	Existing	Single	Roadside	454539	284932	2.0	1.3	64.6	National	0.77	32.6	21.9	33.3	25.0					26.3	25.6	26.7	18.0		26.2	17.2	
12n468425294314	12n	A6 Kibworth	Existing	Single	Roadside	468425	294314	2.0	1.3	98.1	National	0.77	34.7	30.0	26.6	22.9	25.0	25.6	26.8	23.6	23.4	28.8	36.9	25.7		27.5	21.2	
18n454443284348	18n	Jazz Hair	Existing	Single	Roadside	454443	284348	2.0	3.0	98.1	National	0.77	48.9	30.7	50.7	40.3	26.6	33.5	35.8	43.0	33.5	35.1	38.8	23.1		36.7	28.2	
22n454533284872	22n	77 leicester road	Existing	Single	Roadside	454533	284872	2.0	13.5	98.1	National	0.77	18.5	18.8	19.6	16.1	14.8	14.7	16.0	16.5	16.3	18.3	21.7	13.9		17.1	13.2	
23n454428284274	23n	6 The Terrace Rugby Road	Existing	Single	Roadside	454428	284274	2.0	2.5	89.6	National	0.77	32.3	24.6	33.8	35.6		24.2	20.7	32.3	26.4	27.1	29.1	23.7		28.2	21.7	
24n454410284326	24n	regent court	Existing	Single	Roadside	454410	284326	2.0	1.0	98.1	National	0.77	50.6	25.6	42.2	29.2	29.4	32.6	33.4	41.4	31.7	30.3	40.7	28.7		34.7	26.7	
25n454497284618	25n	26 Market Street Lutterworth	Existing	Single	Roadside	454497	284618	2.0	4.8	98.1	National	0.77	41.0	30.6	38.8	33.5	16.3	27.4	27.1	34.6	29.7	27.9	28.7	22.5		29.8	23.0	
26n454432284229	26n	24 Rugby Road Lutterworth	Existing	Single	Roadside	454432	284229	2.0	2.0	98.1	National	0.77	46.8	40.6	37.5	17.5	30.4	33.1	31.1	26.2	27.2	28.2	32.2	27.3		31.5	24.3	
27n454476284178	27n	17 Rugby road Lutterworth	Existing	Single	Roadside	454476	284178	2.0	5.2	90.9	National	0.77	37.1	27.9	36.5	28.8	24.0		26.3	29.7	30.2	27.4	34.0	26.5		29.9	23.0	
28n466535285545	28n	Spencerdene main street theddingworth	Existing	Single	Roadside	466535	285545	2.0	0.2	98.1	National	0.77	23.1	15.5	18.2	13.8	14.8	14.2	14.1	14.5	19.9	23.1	14.9	16.8		16.9	13.0	
29n466651285607	29n	Homeside main street Theddingworth	Existing	Single	Roadside	466651	285607	2.0	1.4	98.1	National	0.77	34.5	23.8	22.5	21.0	17.2	16.5	18.3	22.2	16.3	16.4	21.3	11.4		20.1	15.5	
30n466651285607	30n	40 regent street lutterworth	Existing	Single	Roadside	466651	285607	2.0	1.4	89.6	National	0.77	28.7	18.6	27.6	31.3		14.5	12.5	16.2	16.8	18.7	17.2	18.0		20.0	15.4	
31n467933294660	31n	69 leicester road Kibworth	Existing	Single	Roadside	467933	294660	2.0	4.0	87.9	National	0.77	49.8	25.3	32.9	32.0	24.3	23.4	26.7		29.6	34.8	37.8	25.0		31.1	23.9	
32n448065287719	32n	Alma House, Watling Street Claybrooke Parva	Existing	Single	Roadside	448065	287719	2.0	7.0	72.0	National	0.77	34.5	21.0	30.3	24.0	22.1	18.9			21.6		34.0	16.8		24.8	19.1	
33n448948286554	33n	sign post outside White House Farm Watling street	Existing	Single	Roadside	448948	286554	2.0	1.0	98.1	National	0.77	33.7	21.7	26.3	18.8	18.3	19.0	21.7	19.7	19.1	22.4	24.9	21.6		22.3	17.1	
34n468143294351	34n	sign outside 64 Leicester Road Kibworth	Existing	Single	Roadside	468143	294351	2.0	2.3	98.1	National	0.77	62.3	56.4	50.5	44.6	47.9	52.3	49.6	49.7	52.0	51.9	41.2	18.1		48.0	37.0	35.6
35n468022294450	35n	lamppost outside 78 leicester road kibworth	Existing	Single	Roadside	468022	294450	2.0	6.4	98.1	National	0.77	55.5	39.7	43.2	36.6	37.6	40.7	40.3	14.7	36.4	32.6	35.8	28.0		36.8	28.3	
36n468309294352	36n	signpost just north of 11 Leicester road Kibworth	Existing	Single	Roadside	468309	294352	2.0	1.4	98.1	National	0.77	43.6	32.6	43.9	33.5	31.9	34.8	32.9	32.8	36.9	37.5	41.5	30.3		36.0	27.7	
37n473749287214	37n	pizza Express st marys road	Existing	Single	Roadside	473749	287214	2.0	1.4	98.1	National	0.77	38.0	27.1	33.5	23.0	22.2	23.4	24.1	20.6	24.3	25.0	28.4	24.1		26.1	20.1	
38n468403294298	38n	coach and horse kibworth	Existing	Single	Roadside	468403	294298	2.0	2.5	98.1	National	0.77	33.2	19.1	26.5	18.6	14.9	22.5	17.1	19.1	15.1	20.9	1.8	13.4		18.5	14.3	
39n468412294218	39n	lamppost 29 church road kibworth	Existing	Single	Roadside	468412	294218	2.0	2.0	98.1	National	0.77	28.7	19.9	20.3	17.3	13.5	16.7	14.3	13.1	15.7	19.5	22.1	15.2		18.0	13.9	
40n468027294570	40n	106 main street kibworth	Existing	Single	Roadside	468027	294570	2.0	1.7	98.1	National	0.77	18.4	23.6	19.0	15.8	17.6	17.3	16.6	37.2	20.4	22.7	26.3	21.1		21.3	16.4	
41n468982293824	41n	lampost outside 52 Leicester Road	Existing	Single	Roadside	468982	293824	2.0	2.2	98.1	National	0.77	28.9	21.9	27.0	15.6	13.7	13.9	14.7	17.4	18.3	17.7	13.7	12.8		18.0	13.8	
42n469037293796	42n	road sign on leicester road, rear of 9 Milestone Close	Existing	Single	Roadside	469037	293796	2.0	2.0	82.1	National	0.77	32.2		32.2	20.3		17.8	18.4	22.8	17.6	21.5	27.1	16.6		22.7	17.4	
43n453583292002	43n	3 dunton road BA	Existing	Single	Roadside	453583	292002	2.0	1.5	89.8	National	0.77	35.1	25.7	30.1	21.5	18.4	15.9	17.4	20.8	18.6		28.8	17.1		22.7	17.5	
44n453625291935	44n	16 Main Street, BA (on wooden pole outside the shop)	Existing	Single	Roadside	453625	291935	2.0	0.2	71.7	National	0.77	31.4	20.0	27.2	15.6		26.0			15.0	19.2	20.3	15.6		21.1	16.3	
45n456575283605	45n	lampost est of 5 Lutterworth road Walcote	Existing	Single	Roadside	456575	283605	2.0	0.2	98.1	National	0.77	20.0	18.0	19.9	10.2	14.9	14.1	15.0	12.9	16.7	17.9	19.2	18.1		16.4	12.6	
46n473596286821	46n	sw junction welland park road and northamton road MH	Existing	Single	Roadside	473596	286821	2.0	2.3	87.9	National	0.77	48.6	34.6	36.8	28.0	29.5	32.3	33.4		31.4	32.4	24.7	27.0		32.6	25.1	
47n473598286851	47n	53 northamton road MH	Existing	Single	Roadside	473598	286851	2.0	1.0	98.1	National	0.77	40.3	29.7	43.1	33.1	27.6	26.1	28.8	33.1	24.8	24.2	27.7	19.3		29.8	23.0	
48n473172287534	48n	7 leicester road MH	Existing	Single	Roadside	473172	287534	2.0	2.9	98.1	National	0.77	38.4	22.6	37.7	29.8	23.6	15.8	23.8	25.8	24.3	28.6	37.1	18.7		27.2	20.9	
49n473678286931	49n	lamppost outside 12 Springfield Street MH	Existing	Single	Roadside	473678	286931	2.0	1.9	67.6	National	0.77		25.5	29.5		21.4	20.7	23.5	29.6			20.8	20.7		24.0	18.8	
50n464971293501	50n	lamppost carpark adj Fleckney Fish bar, High street	Existing	Single	Roadside	464971	293501	2.0	2.0	64.8	National	0.77		17.1	24.6	15.4	13.0	12.9	14.2				20.6	15.6		16.7	12.8	
51n464773303914	51n	lamppost outside thurnby memorial hall, main street, bushby	Existing	Single	Roadside	464773	303914	2.0	3.8	82.7	National	0.77	36.3	20.1	16.6	12.6	10.7	9.3	11.2	10.5			14.8	16.0		15.8	12.2	

Harborough Air Quality Data Ratification 2023 and the LAQM Statistics

The 2023 data ratification for the AQDM Management air quality monitoring site has been completed to the LAQM TG22 standards using the AURN methodology. This report summarises the individual Statistical Report, includes network comparison plots and spreadsheets. The ratified concentrations, comparisons between stations, pollutants and across years have passed the quality control checks. The instruments continued to work well so high data captures can be expected during 2024.

QAQC Procedures

Attached is a summary of our QAQC procedures which can be added to the QAQC annex of the ASR.

Site Environment and Description

Station	Site Environment and Description
Kibworth A6	Leicester Road, Kibworth Harcourt ROADSIDE MAP PHOTO DASHBOARD

Spreadsheets

The spreadsheets contain the full monthly, daily, hourly and 15-minute mean datasets for 2023. These spreadsheets can act as a historical record of the measurements. The monthly means may be useful for any annualisation but not NO_2 diffusion tube bias corrections. These spreadsheets, not the website, must be used if the consultants writing the ASR want to calculate the LAQM statistics from scratch.

LAQM Statistics

Here are the LAQM statistics for the ASR.

Nitrogen Dioxide NO_2

The NO_2 annual mean and hourly mean Objectives were not exceeded.

The NO_2 annual means and annual data captures are shown below. The AQS annual mean Objective is 40 µg m^{-3} and the annual data capture target is 85%.

Station	Annual Data Capture %	Annual Mean µg m^{-3}	Objective Exceeded
Kibworth A6	99.9	29.0	No

The NO_2 hourly mean AQS Objective is 200 µg m^{-3}. The number of exceedances are shown below. There is an annual allowance of 18 hours.

Station	Number of Hourly Mean > 200 µg m^{-3}	Objective Exceeded	Maximum Hourly Mean µg m^{-3}	Annual Data Capture %	99.8th Percentile µg m^{-3}
Kibworth A6	0	No	167.0	99.9	-

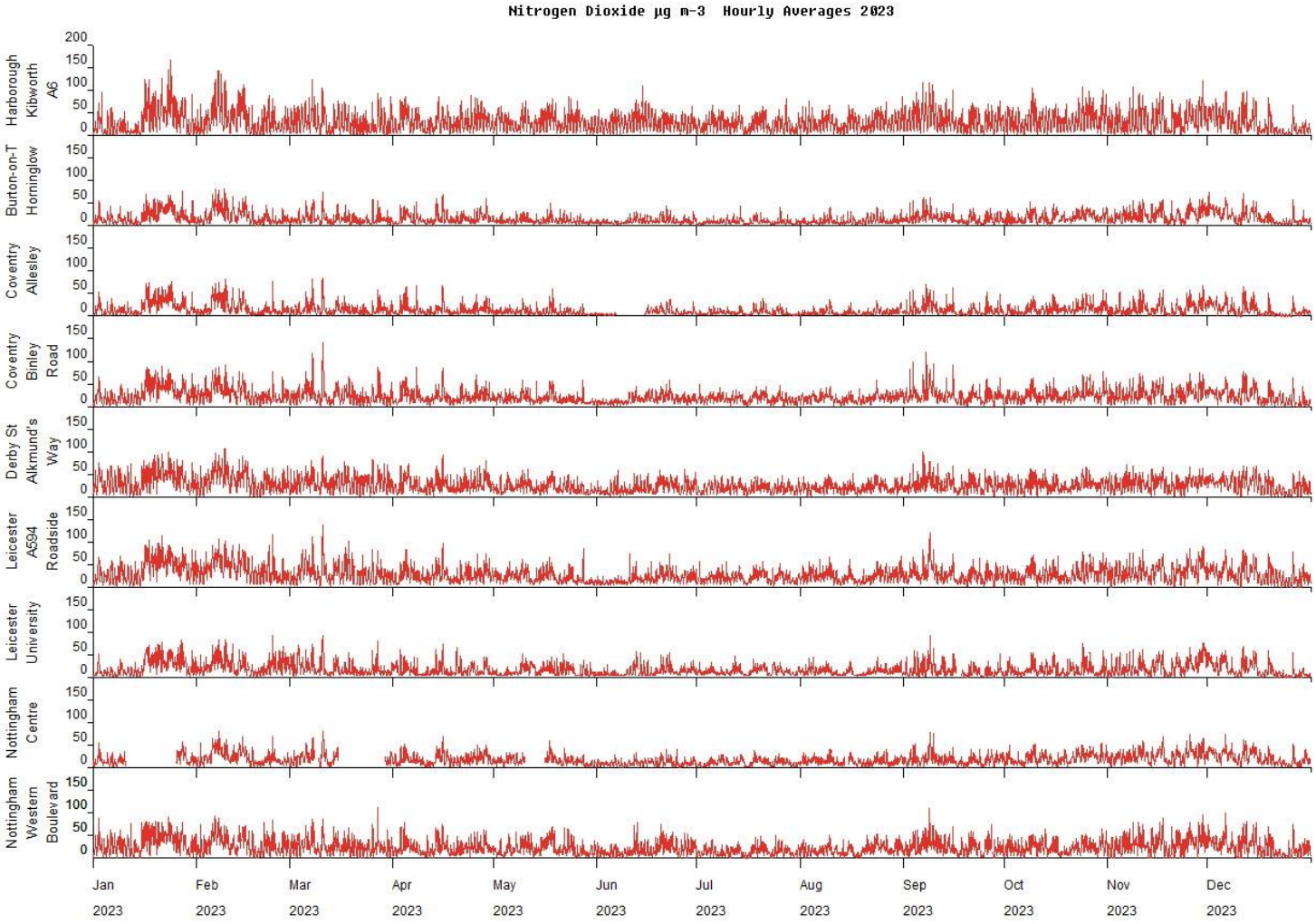
Daily Air Quality Index

The Daily Air Quality Index (DAQI) was introduced by Defra in January 2012 and revised April 2013. The number of occasions within each band is summarised as follows.

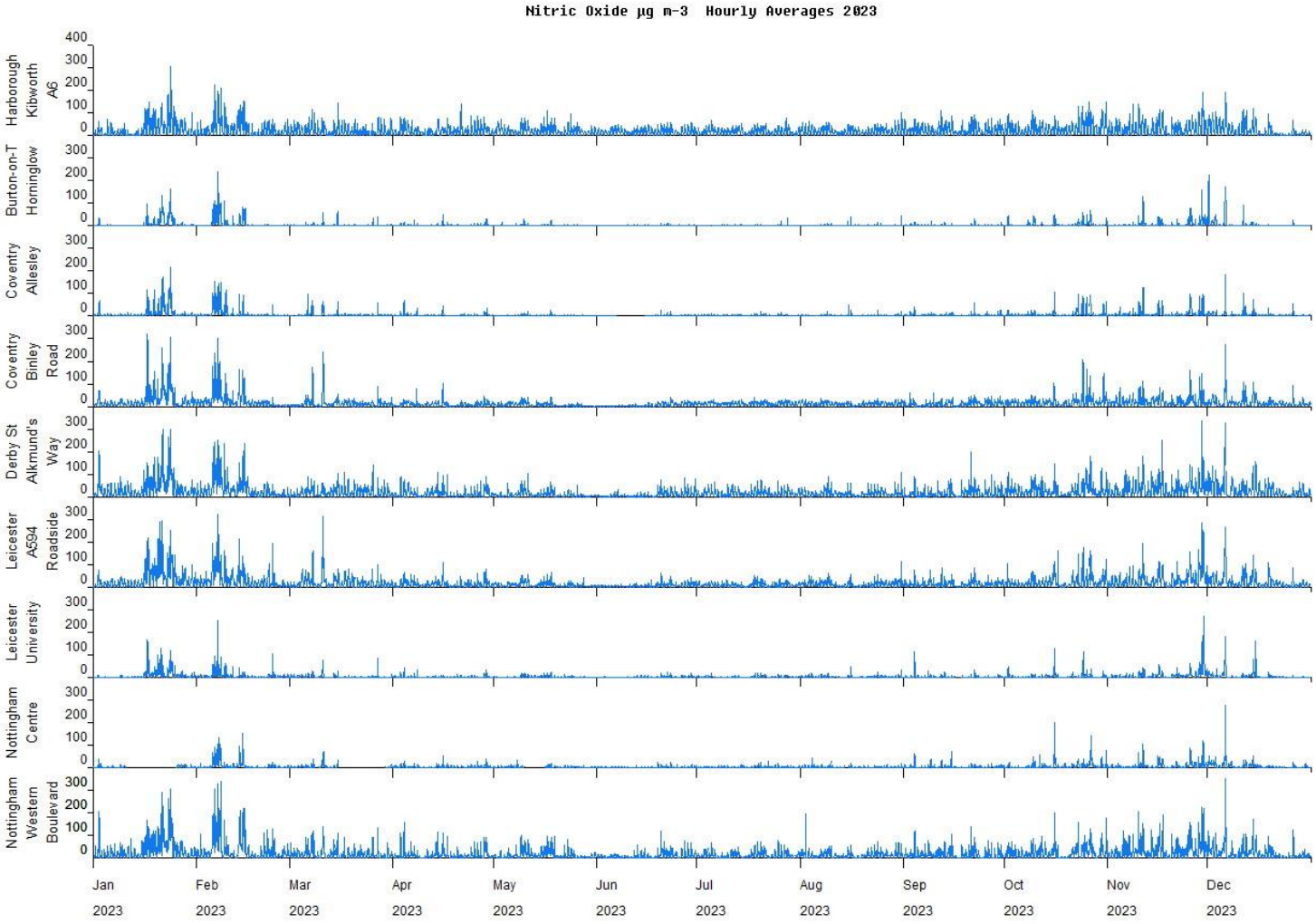
DAQI Pollutant	Moderate	High	Very High
Nitrogen Dioxide	0 hours	0	0

Timeseries Comparison Plots

These timeseries plots compare the measurements with the provisional data from nearby AURN sites. Measurements from individual stations should never viewed in isolation.



NO_2 Hourly Mean Concentrations during 2023

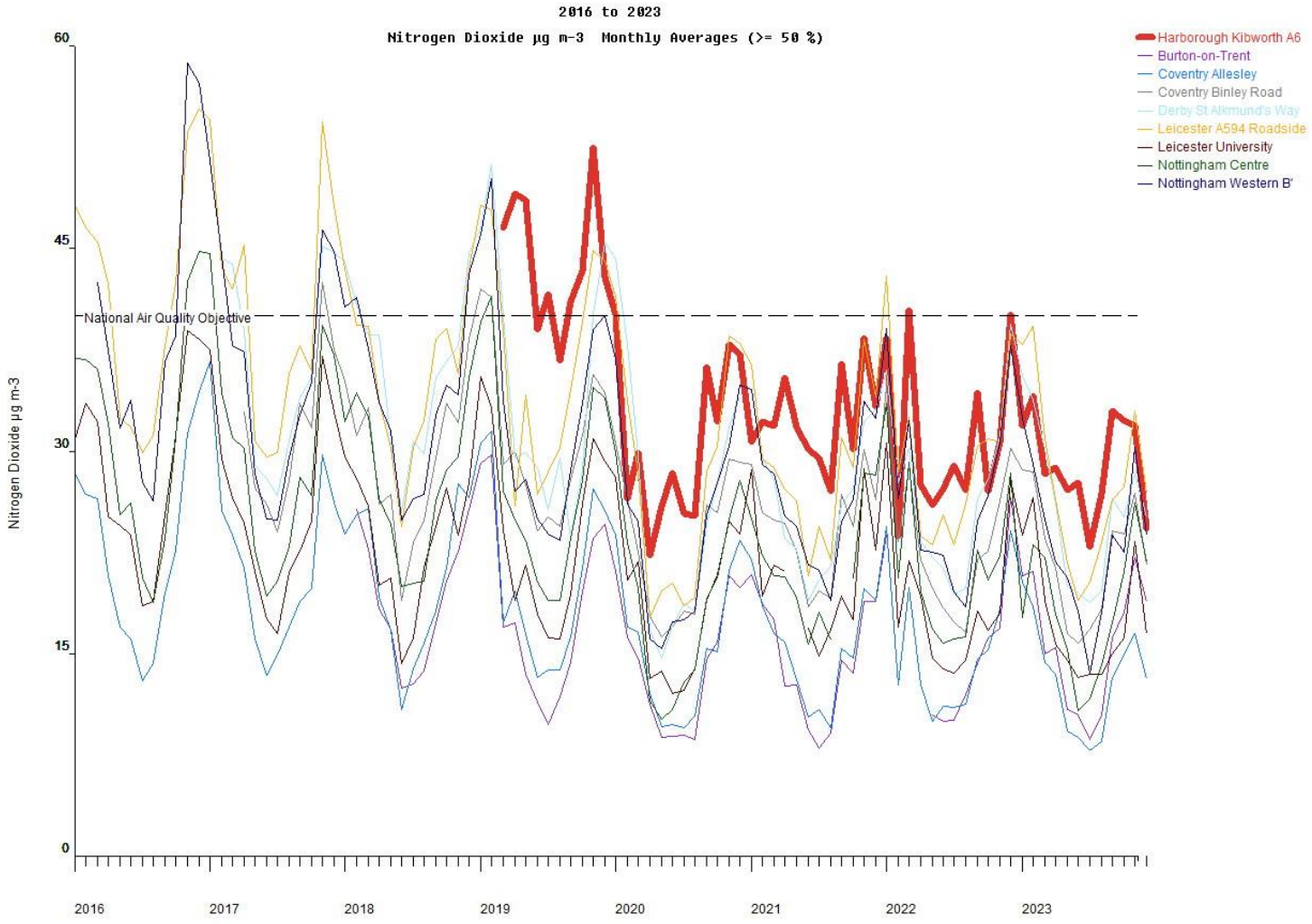


LAQM does not include Nitric Oxide (NO). This pollutant shows how the stations are influenced by traffic.

NO Hourly Mean Concentrations during 2023

Monthly Means Comparison Plots

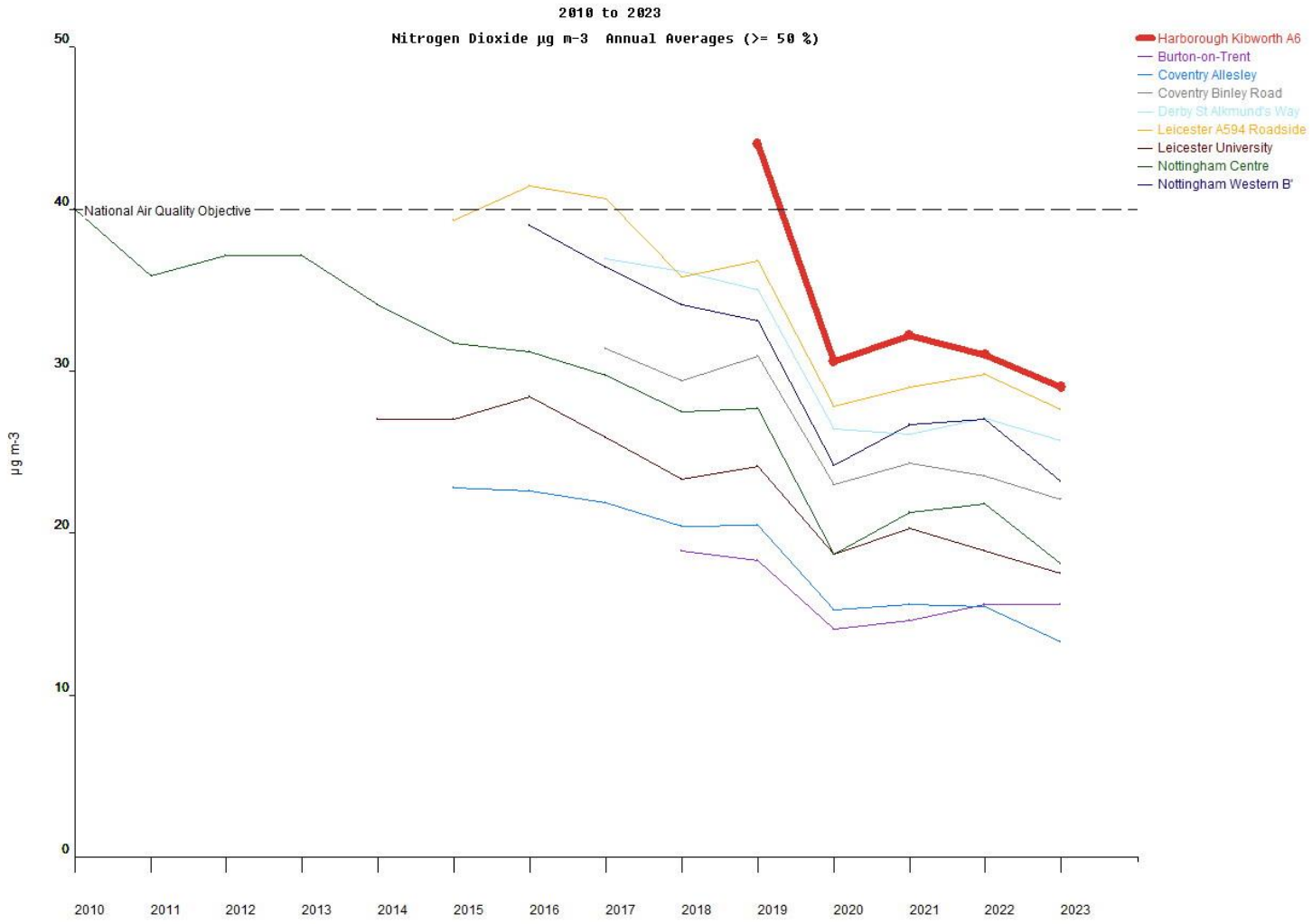
These timeseries plots compare the results with the nearby stations since 2016. These plots show the recent seasonal trends.



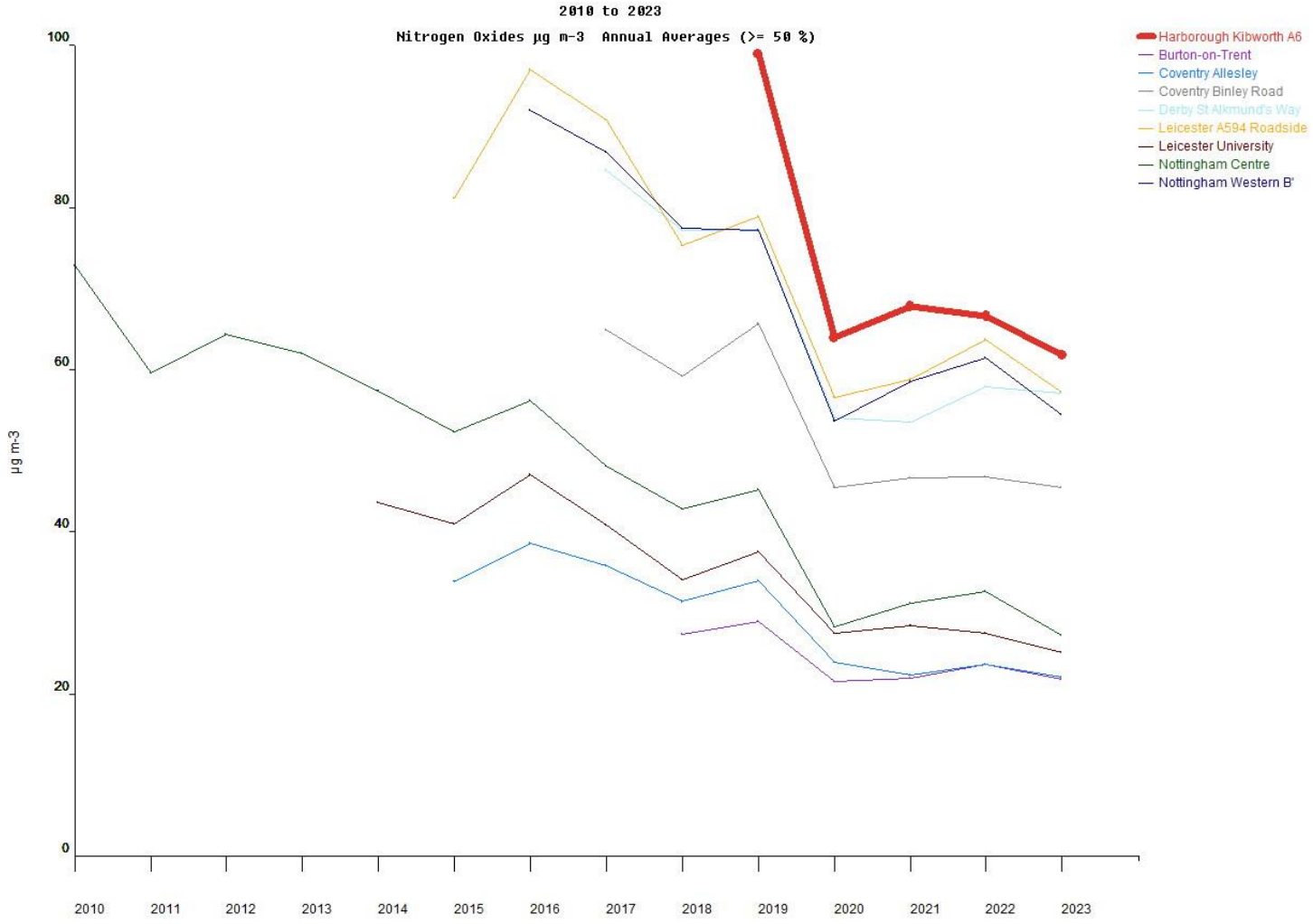
NO_2 Monthly Mean Concentrations from 2016

Annual Means Comparison Plots

These timeseries plots compare the results with the nearby stations since 2010. These plots show the long-term trends. Roadside locations generally have higher concentrations than Background and Rural locations.



NO_2 Annual Mean Concentrations from 2010

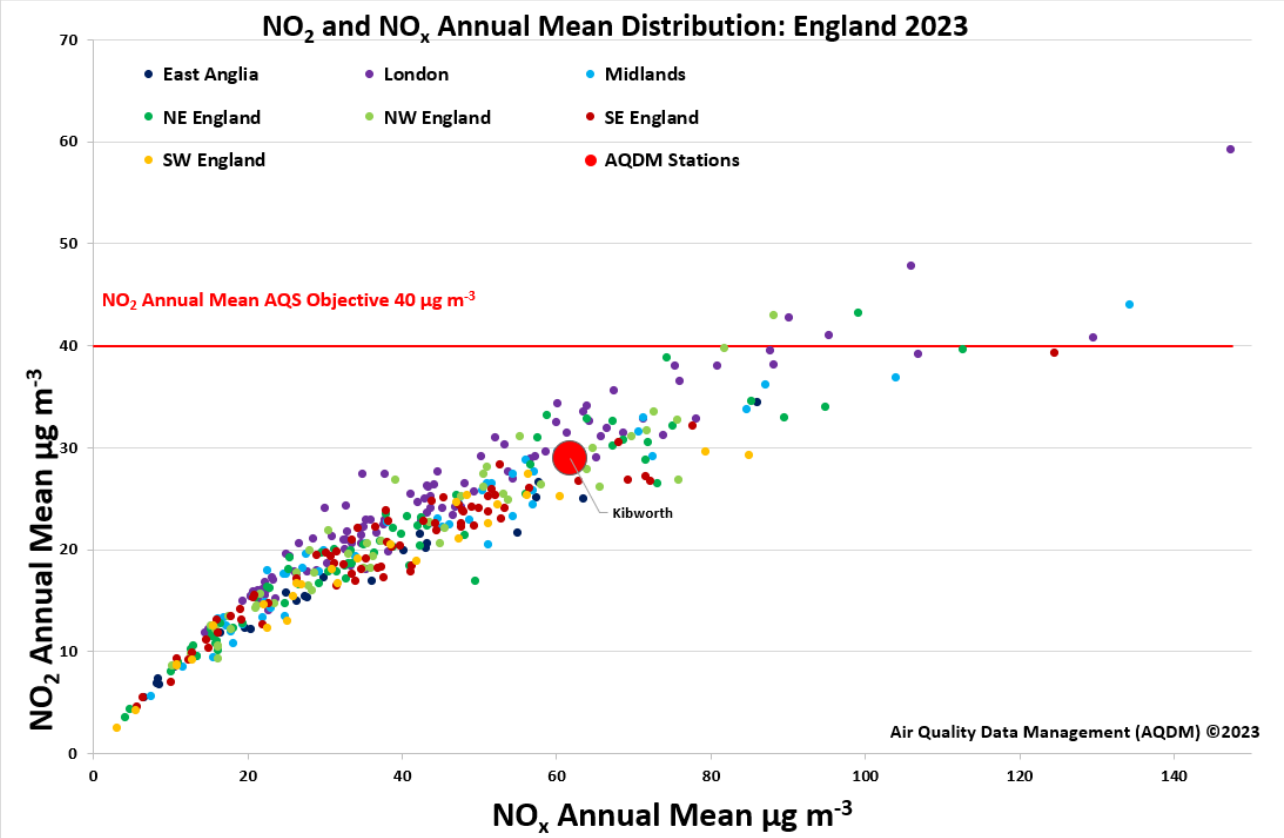


LAQM does not include Oxides of Nitrogen ($NO_X = NO_2 + NO$). This pollutant shows the long term trend in emission reduction. Roadside locations generally have higher concentrations than Background and Rural locations.

NO_X Annual Mean Concentrations from 2010

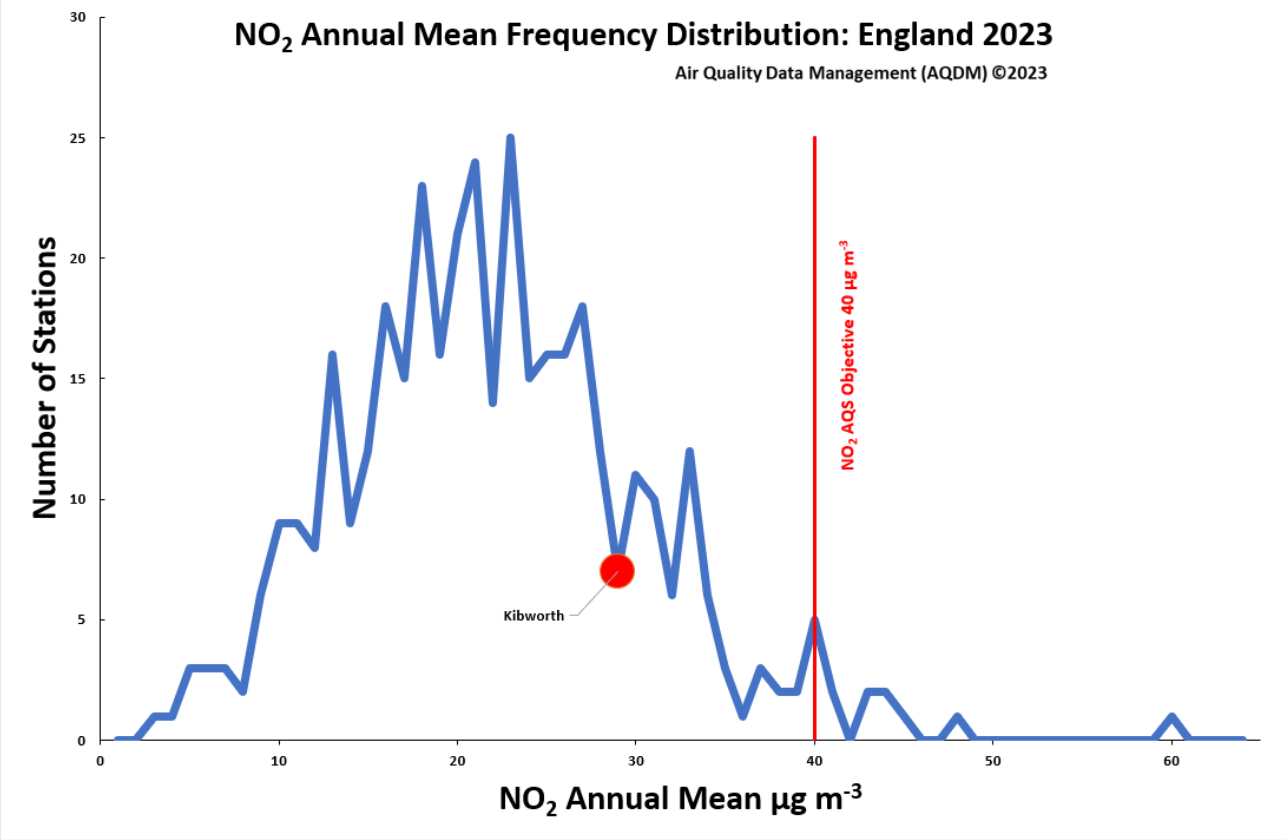
NO2 and NOx Annual Means Comparison Plot

This plot shows the relationship between the NO_2 and NOx annual means for monitoring stations, including the AURN, during 2023. Most 2023 data are still provisional and subject to change. The distribution begins with low pollution Rural stations near the origin and increases to the Roadside stations with the highest concentrations.



Annual Means Frequency Distribution Plots

These plots show the frequency distribution of the annual means for monitoring stations, including the AURN, during 2023. Most 2023 data are still provisional and subject to change. The distribution begins with low pollution Rural stations near the origin and increases to the Roadside stations with the highest concentrations.



Air Quality Report

Produced by AQDM on behalf of Harborough
KIBWORTH A6 2023
Fully ratified by AQDM to the LAQM TG22 standards using the AURN methodology

Site Environment and Description
Leicester Road, Kibworth Harcourt
ROADSIDE Map Photo Dashboard

Statistical Summary Report
This 2023 report contains all the statistics required for the LAQM reporting.

Daily Air Quality Index (DAQI)
The table below shows the duration within the bands of the Daily Air Quality Index (DAQI).
The DAQI was introduced by Defra in January 2012 and revised April 2013.

DAQI Pollutant	Moderate	High	Very High
Nitrogen Dioxide	0 hours	0	0

Air Quality Exceedances of the AQS Objectives
NO_2 - annual data capture was 99.9 %
The annual mean was 29.0 µg m^{-3} which did not exceed the 40 µg m^{-3} Objective.

The maximum hourly mean was 167.0 µg m^{-3} so there were no exceedances of the NO_2 hourly limit of 200 µg m^{-3}. There is an annual allowance of 18 hours so the Objective was not exceeded.

Air Quality Report
KIBWORTH A6 2023

Air Quality Statistics

Pollutant	NO_2	NO	NO_X
Number Very High #	0	-	-
Number High #	0	-	-
Number Moderate #	0	-	-
Number Low #	8748	-	-
Maximum 15-min mean	214.2 µg m^{-3}	343.5 µg m^{-3}	702.0 µg m^{-3}
Maximum hourly mean	167.0 µg m^{-3}	307.0 µg m^{-3}	637.8 µg m^{-3}
Maximum running 8-hr mean	107.2 µg m^{-3}	150.4 µg m^{-3}	336.0 µg m^{-3}
Maximum running 24-hr mean	87.4 µg m^{-3}	99.1 µg m^{-3}	239.2 µg m^{-3}
Maximum daily mean	80.5 µg m^{-3}	93.8 µg m^{-3}	224.4 µg m^{-3}
Average	29.0 µg m^{-3}	21.4 µg m^{-3}	61.8 µg m^{-3}
Data capture	99.9 %	99.9 %	99.9 %

Daily Air Quality Index (DAQI) as defined by COMEAP January 2012 and revised April 2013
Mass units for the gases are at 20'C and 1013mb
NO_X mass units are NO_X as NO_2 µg m^{-3}

Air Quality Exceedances

Pollutant	Air Quality (England) Regulations 2000 & (Amendment) Regulations 2002	Max Conc	Number	Days	Allowed	Exceeded
Nitrogen Dioxide	Annual mean > 40 µg m^{-3}	29.0 µg m^{-3}	0	-	-	No
Nitrogen Dioxide	Hourly mean > 200 µg m^{-3}	167.0 µg m^{-3}	0	0	18 hours	No

Air Quality Report

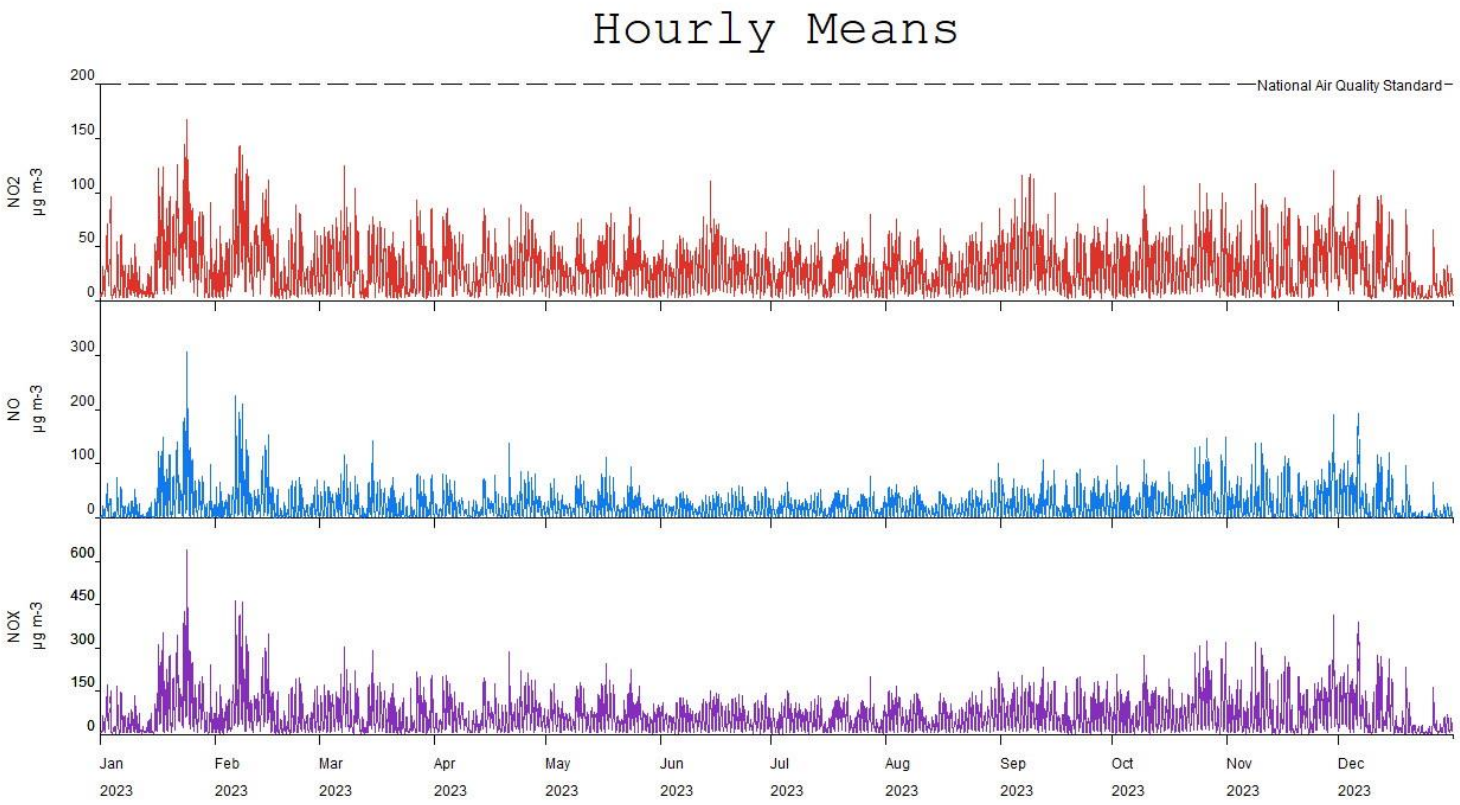
KIBWORTH A6 2023

Monthly Data Captures %

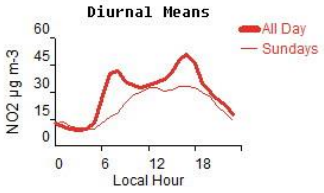
Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide	99.6	100.0	99.9	100.0	100.0	99.6	99.9	99.9	99.7	100.0	100.0	99.9

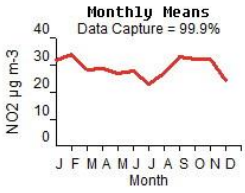
Monthly Means

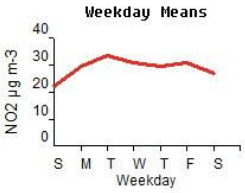
Pollutant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Nitrogen Dioxide µg m^{-3}	31.9	34.1	28.3	28.8	27.1	27.7	22.9	26.9	32.9	32.3	31.9	24.3

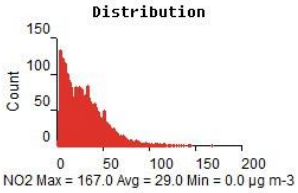

Hourly Means
National Air Quality Standard
NO2 µg m-3
NO µg m-3
NOX µg m-3
200
150
100
50
0
300
200
100
0
600
450
300
150
0
Jan 2023
Feb 2023
Mar 2023
Apr 2023
May 2023
Jun 2023
Jul 2023
Aug 2023
Sep 2023
Oct 2023
Nov 2023
Dec 2023

Air Quality Report
KIBWORTH A6 2023









Kibworth A6 Air Quality Report produced by:
Geoff Broughton
Air Quality Data Management (AQDM)
Tel: 01235 559761
Geoff.Broughton@aqdm.co.uk
http://www.aqdm.co.uk
http://uk.linkedin.com/pub/geoff-broughton/22/187/87/
http://www.UKAirQuality.net

QA/QC of Automatic Air Quality Instruments

Air quality measurements from the automatic instruments are validated and ratified by Air Quality Data Management (AQDM) http://www.aqdm.co.uk to the standards described in the Local Air Quality Management – Technical Guidance LAQM (TG22) https://laqm.defra.gov.uk/technical-guidance.

Validation

This process operates on data during the data collection stage. All data are continually screened algorithmically and manually for anomalies. There are several techniques designed to discover spurious and unusual measurements within a very large dataset. These anomalies may be due to equipment failure, human error, power failures, interference or other disturbances. Automatic screening can only safely identify spurious results that need further manual investigation.

Raw data from the gaseous instruments (e.g. NO_x, O_3, SO_2 and CO) are scaled into concentrations using the latest values derived from the manual and automatic calibrations. These instruments are not absolute and suffer drifts. Both the zero baseline (background) and the sensitivity may change over time. Regular calibrations with certified gas standards are used to measure the zero and sensitivity. However, these are only valid for the moment of the calibration since the instrument will continue to drift. Raw measurements from particulate instruments (e.g. PM_{10} and $PM_{2.5}$) generally do not require scaling into concentrations. The original raw data are always preserved intact while the processed data are dynamically scaled and edited.

Ratification

This is the process that finalises the data to produce the measurements suitable for reporting. All available information is critically assessed so that the best data scaling is applied and all anomalies are appropriately edited. Generally this operates at three, six or twelve month intervals. However, unexpected faults can be identified during the instrument routine services or independent audits which are often at 6-monthly intervals. In practice, therefore, the data can only be fully ratified in 12-month or annual periods. The data processing performed during the three and six monthly cycles helps build a reliable dataset that is finalised at the end of the year.

There is a diverse range of additional information that can be essential to the correct understanding and editing of data anomalies. These may include

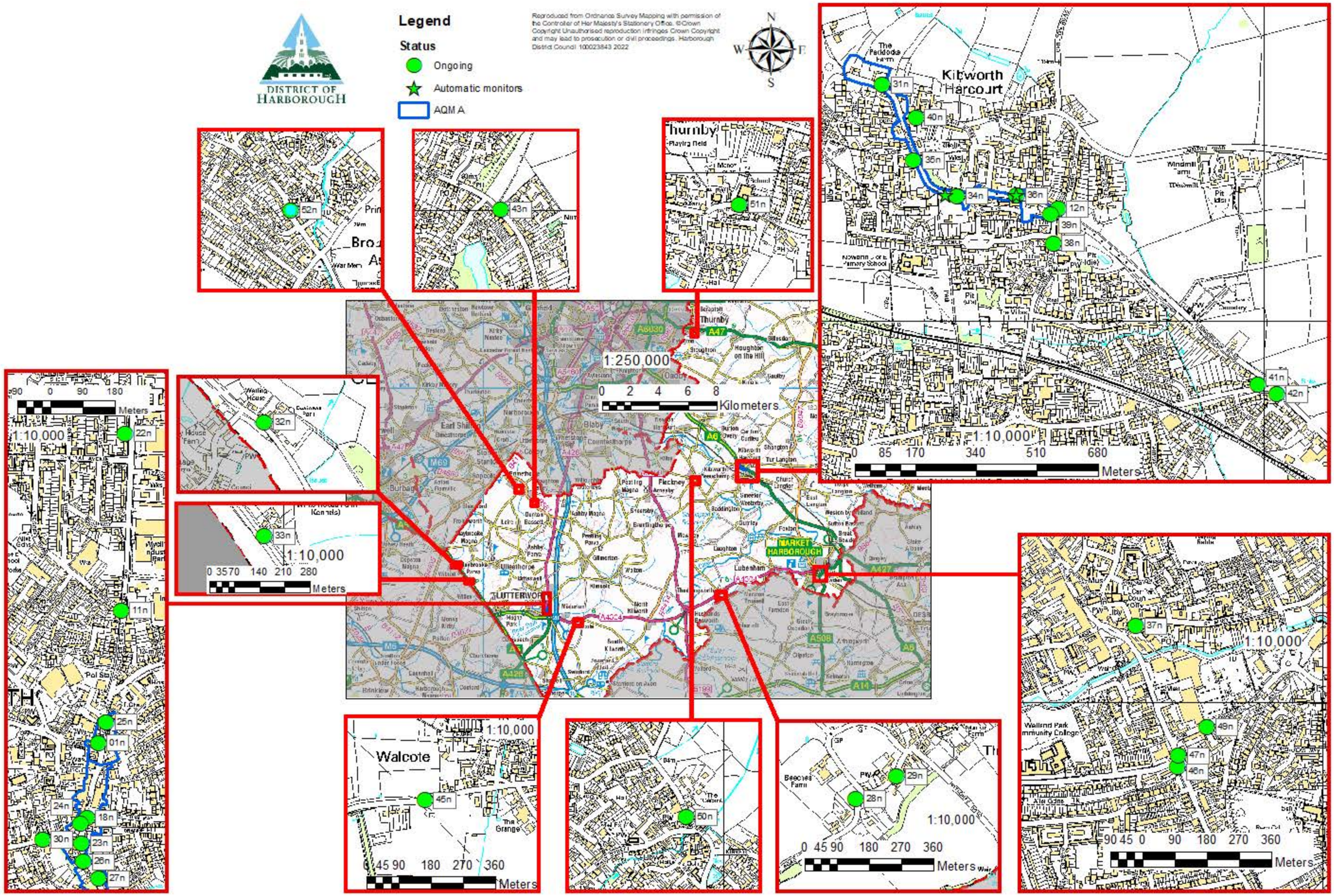
- the correct scaling of data
- ignoring calibrations that were poor e.g. a spent zero scrubber
- closely tracking rapid drifts or eliminating the data
- comparing the measurements with other pollutants and nearby sites
- corrections due to span cylinder drift
- corrections due to flow drifts for the particulate instruments
- corrections for ozone instrument sensitivity drifts
- eliminating measurements for NO_2 conversion inefficiencies
- eliminating periods where calibration gas is in the ambient dataset
- identifying periods were instruments are warming-up after a powercut
- identification of anomalies due to mains power spikes

- correcting problems with the date and time stamp
- observations made during the sites visits and services

The identification of data anomalies, the proper understanding of the effects and the application of appropriate corrections requires expertise gained over many years of operational experience. Instruments and infrastructure can fail in numerous ways that significantly and visually affect the quality of the measurements. There are rarely simple faults that can be discovered by computer algorithms or can be understood without previous experience.

The PM_{10} and $PM_{2.5}$ concentrations may require scaling into Gravimetric Equivalent concentration units by use of the Volatile Correction Model (VCM) http://www.volatile-correction-model.info or by corrections published by Defra https://uk-air.defra.gov.uk/networks/monitoring-methods?view=mcerts-scheme depending on the measurement technique.

Further information about air quality data management, expert data ratification and examples of bad practices are given on the Air Quality Data Management (AQDM) website http://www.aqdm.co.uk.


DISTRICT OF HARBOROUGH
Legend
Status
Ongoing
Automatic monitors
AQMA
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N
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Kibworth Harcourt
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0 85 170 340 510 680
Meters
1:250,000
0 2 4 6 8
Kilometers
MARKET HARBOROUGH
LUTTERWORTH
Walcote
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Environment Act 1995 Part IV Section 83(2)(b)

Harborough District Council

Air Quality Management Area (Nitrogen Dioxide) Revocation Order 2024 (No.1) Order

By an Order dated 18th July 2001 Harborough District Council ("the Council") made The Harborough District Council (Air Quality Management Area No. 1) Order 2001 ("the 2001 Order").

The Council is satisfied that as a result of the 2024 Air Quality Annual Status Report dated June 2024 that the area declared by "the 2001 Order" as amended is compliant with the Annual Mean Air Quality Standard for Nitrogen Dioxide at relevant receptors.

In using its authority conferred under section 83(2) of the Environment Act 1995 Harborough District Council makes the following order varying The Harborough District Council (Air Quality Management Area No. 1) Order 2001 as follows;

1. The order known as The Harborough District Council (Air Quality Management Area No. 1) Order 2001 is revoked.

Signed _____

Designation Chief Executive

Date ___ of _____ 2024

Area of Lutterworth AQMA



Harborough District Council

Report to Cabinet
Meeting of 10th June 2024

Title:	Creation of a Market Harborough Special Expenses Working Party
Status:	Public
Key Decision:	Yes
Report Author:	Cat Hartley, Director of Communities & Wellbeing
Portfolio Holder:	Councillor Jim Knight
Appendices:	Appendix 1 – 2024/25 Market Harborough Special Expenses

Summary

i. The report seeks Cabinet approval for the creation of a Market Harborough Special Expenses Working Party. The Working Party will give consideration to the expenditure of Special Expenses secured within the Market Harborough non-parished area, in line with a Terms of Reference, and make recommendations to Cabinet for approval.

Recommendation

It is recommended that Cabinet:

1. **Approve the creation of the Market Harborough Special Expenses Working Party.**

Reasons for Recommendation

i. To ensure that the Market Harborough Special Expenses can be administered effectively and consistently.

1. Purpose of Report

1.1 This report seeks Cabinet approval for the creation of a Market Harborough Special Expenses Working Party (MHSEWP). The Working Party will give consideration to the expenditure of Special Expenses secured within the Market Harborough non-parished area, in line with a Terms of Reference, and make recommendations to Cabinet for approval.

2. Background

2.1 Special Expenses are levied through Council Tax billing when Harborough District Council provides services in a parish (or unparished area) which are provided in other parishes by a town or parish council. Special Expenses are paid to the District Council for services such as cemetery provision, allotment provision, Harborough in Bloom, Harborough Town Centre Support (including specified events), parks and recreation grounds, memorial gardens, bus shelters and space considered to be in the public realm. This list is not exhaustive.

2.2 Council approved the 2024/25 Special Expenses for Market Harborough as £524,055, in February 2024. An extract of the current breakdown of expenses is shown at Appendix 1.

2.3 There appears to be some inconsistency in terms of which open spaces are funded via Special Expenses, and those funded through the Council's General Fund. A review of Special Expenses is being undertaken during 24/25 led by the Director Resources (s151) and will look at achieving consistency, and where appropriate open spaces and services may be recommended to be covered by Special Expenses.

2.4 As Market Harborough does not have a Town Council, it is considered appropriate that local ward members are given a forum for consideration of expenditure of Special Expenses in Market Harborough.

3. Detail

3.1 The establishment of the MHSEWP would ensure a consistent and transparent governance approach to the administration of expenditure. The proposed Terms of Reference are currently being worked upon, and are open to consideration, but the following are initially proposed:

- ROLE - to consider provision and service proposals which either solely or predominantly affect the Market Harborough Special Expenses area and to make recommendations to Cabinet on expenditure of the Special Expenses. To consider a broad range of proposals including (but not limited to) Cemeteries, Planned Preventative Maintenance (Cemetery), Other Expenses, Parks, Recreation Grounds & Open Spaces, Planned Preventative Maintenance (Parks/Recreation Grounds), Events and grants.
- FREQUENCY OF MEETINGS - as often as is required to meet business demands, but usually quarterly.
- MEMBERSHIP - membership to comprises all ward members from within the non-parished Special Expenses area.
- CHAIR & VICE-CHAIR- to be elected annually at the first meeting following annual Council in May.

3.2 In terms of officer support it is proposed that the Working Party meetings will be administered by Democratic Services, and that the Lead Officer is the Director of Communities & Well being supported by Service Managers and lead officers from the appropriate services.

3.3 As the Working Party will be discussing potential projects and services to be funded, it is important that these discussions are transparent. Therefore it is proposed that the public are invited to attend the meetings in an observing capacity only but will be required to leave if any items are considered exempt.

4 Implications of Decisions

Corporate Priorities

4.1 The creation of the MHSEWP will help to deliver the following corporate priorities:

- CO3: The rural nature of the district will be recognised, and our heritage and cultural assets are preserved.
- CO4: Engagement of our local communities, the voluntary and charitable sector and ensuring they actively manage their own localities and shape their own places.
- CO5: The district will be shaped through good design, that addresses local needs and promotes healthier life choices.
- CO11: Our natural environment will be protected and enhanced, with improved access to green open spaces and increased biodiversity.
- CO14: Green practices, such as energy provision and recycling, will be positively encouraged and usage increased across the district to help meet our net zero targets.
- CO16: The environmental impacts of growth are mitigated as far as practically possible.

Consultation

4.2 As this is an internal council governance matter there is no requirement for consultation.

Financial

4.3 Additional resources will be required to administer the meetings and service the agenda, this will be reviewed after 6 months in terms of Democratic Services capacity. Any such resources will be directly charged to the Market Harborough Special Expense area.

Legal

4.4 There are no legal implications identified as part of this report and the Working Party will be advisory only and will not have any decision making ability.

Environmental Implications

4.5 The Council has declared a climate emergency. When considering all projects and services to be funded by Special Expenses, the MHSEWP will give full consideration to climate change. The Working Party may choose to consider how environmental and climate reduction opportunities can be maximised.

Risk Management

4.6 There are no risks identified at this stage.

Equalities Impact

4.7 Equalities Impact Assessments (EIA) will be considered for individual projects and services as they are proposed.

Data Protection

4.8 Not applicable for this report.

5 Alternative Options Considered

5.1 The alternative option is to not establish the MHSEWP, however this would fail to realise the benefits of local member engagement in decisions relating to the non-parished area of Market Harborough.

6 Recommendations

6.1 It is recommended that Cabinet:

1. **Approve the creation of the Market Harborough Special Expenses Working Party.**

7. Background papers

7.1 None



Appendix 1

Breakdown of Market Harborough Special Expenses

Special Expenses: Market Harborough 2024/25		Parks & Recreations														Allotments			Cemetery	War Memorials		Public Conveniences		Harborough Town Centre Support	Harborough in Bloom	Bus Shelters	Total
		Little Bowden Rec	Ashley Way / Longlands	Bellfields	Burford Green	Logan Street	Others	Angell Road Farndon Fields	Sherrard Road	Goodwood Close	Vislock Close	Roman Way	Symingtons Rec	The Headlands	Welland Park	Scotland Rd, Little Bowden	Douglas Drive	Welland Park Road	Northampton Road	Memorial Gardens, Market Harborough	The Square, Market Harborough	Commons	Little Bowden Rec Ground				
Expenditure	Building / Vandalism Repairs	200	100	100	100	100	0	0	0	0	0	100	400	100	800	**0**	**0**	**0**	500	0	0	4,070	2,130	0	0	0	8,700
	Maintenance of Grounds	18,193	15,338	5,185	8,260	6,649	0	4,680	4,510	3,677	0	3,935	8,917	4,120	123,874	200	500	100	43,556	13,860	2,200	0	0	0	0	0	267,754
	Maintenance of Ground Day Works	2,485	2,149	783	1,240	951	0	720	690	623	0	593	1,288	614	17,924	0	0	0	0	0	0	0	0	0	0	0	30,060
	Essential Tree Works	300	100	100	200	100	0	0	0	0	0	100	300	100	1,500	0	0	0	0	0	0	0	0	0	0	0	2,800
	Business Rates	750	0	0	0	0	0	0	0	0	0	0	0	0	2,250	0	0	0	0	0	0	3,000	0	0	0	0	6,000
	Utility Costs	0	0	0	0	0	0	0	0	0	0	0	2,000	0	5,400	20	20	20	6,500	0	0	3,500	900	0	0	0	18,360
	Fixed Plant - Repairs and Mtce	0	0	0	0	0	0	0	0	0	0	0	0	0	9,265	0	0	0	0	0	0	0	0	0	0	0	9,265
	Playground Equipment	750	750	750	750	750	0	750	750	750	0	750	750	750	3,650	0	0	0	0	0	0	0	0	0	0	0	11,900
	Playground Inspection	233	233	233	233	233	0	233	233	233	0	233	233	233	237	0	0	0	0	0	0	0	0	0	0	0	2,800
	Local; Events Expenses	100	0	0	0	0	0	0	0	0	0	0	100	0	300	0	0	0	0	0	0	0	0	0	0	0	500
	FCC inflation	3,636	3,077	1,050	1,672	1,338	0	950	915	757	0	797	1,796	833	24,957	35	88	18	5,789	2,439	387	2,200	291	0	0	0	53,025
	Supplies & Services	0	0	0	0	0	0	0	0	0	0	0	0	0	1,440	0	0	0	0	0	0	0	0	0	0	0	1,440
	Memorial Safety Programme	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,281	0	0	0	0	0	0	0	3,281
	Third Party Payments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,006	0	0	0	0	0	0	0	1,006
	Contract Cleansing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,938	216	0	0	0	14,154
	Employee Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29,240	0	0	29,240
	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34,600	7,000	3,400	45,000
		26,647	**21,747**	**8,201**	**12,455**	**10,121**	**0**	**7,333**	**7,098**	**6,040**	**0**	**6,508**	**15,784**	**6,750**	**191,597**	**255**	**608**	**138**	**60,632**	**16,299**	**2,587**	**26,708**	**3,537**	**63,840**	**7,000**	**3,400**	**505,285**
Income	Bowls Fees	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,600)	0	0	0	0	0	0	0	0	0	0	0	(1,600)
	Hire of Sports Pitches	0	0	0	0	0	0	0	0	0	0	0	0	0	(1,100)	0	0	0	0	0	0	0	0	0	0	0	(1,100)
	Service Charges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	(11,200)	(316)	(754)	(171)	0	0	0	0	0	0	0	0	(12,442)
	Burial Fees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(51,366)	0	0	0	0	0	0	0	(51,366)
	Joint Financing Contribution	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(15,000)	0	0	(15,000)
	Other Contributions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(2,600)	0	0	(2,600)
		0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**(13,900)**	**(316)**	**(754)**	**(171)**	**(51,366)**	**0**	**0**	**0**	**0**	**(17,600)**	**0**	**0**	**(84,109)**
Support Services	Waste Management	2,018	1,647	621	943	766	0	555	537	457	0	493	1,195	511	14,508	34	78	18	4,719	1,703	270	1,121	149	0	0	0	32,344
	Central Support	254	207	78	119	96	0	70	68	58	0	62	150	64	1,824	126	301	68	29,535	0	0	338	22	11,040	5,040	1,630	51,150
		2,272	**1,854**	**699**	**1,062**	**863**	**0**	**625**	**605**	**515**	**0**	**555**	**1,346**	**575**	**16,332**	**160**	**379**	**86**	**34,254**	**1,703**	**270**	**1,460**	**170**	**11,040**	**5,040**	**1,630**	**83,494**
Capital Financing		0	0	1,268	2,520	1,184	0	0	0	0	0	1,500	0	0	5,137	0	0	0	7,775	0	0	0	0	0	0	0	**19,384**
		28,919	23,601	10,168	16,037	12,168	0	7,958	7,703	6,555	0	8,563	17,130	7,325	199,166	99	233	53		18,002	2,857	28,168	3,707				
		345,292														**384**			**51,295**	**20,859**		**31,875**		**57,280**	**12,040**	**5,030**	**524,055**