



# Station Pier Air Quality Monitoring Program

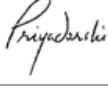
**Air Quality Monitoring Report – May 2024**

Ports Victoria

16 September 2024

→ **The Power of Commitment**



| <b>Project name</b>   |          | Station Pier Air Quality Monitoring Program                                            |                     |                                                                                     |                    |                                                                                       |          |
|-----------------------|----------|----------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|----------|
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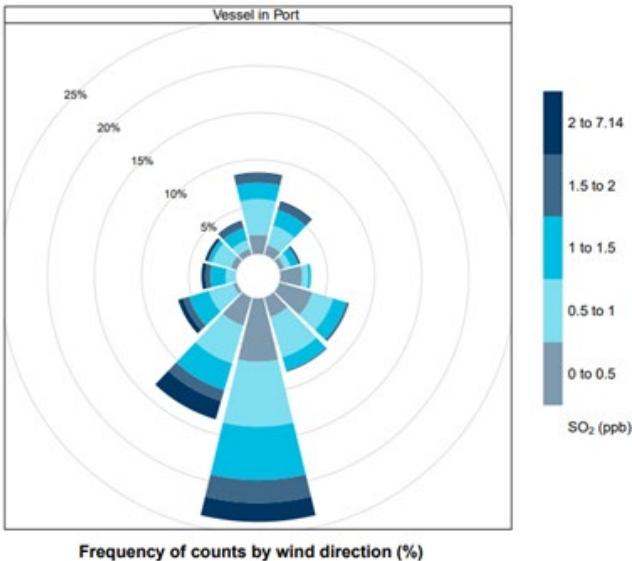
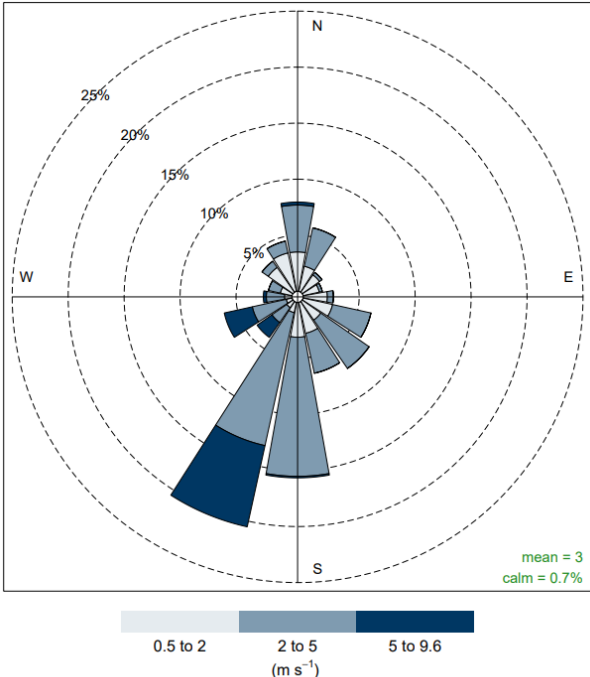
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# Glossary of terms

| Term                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACOEM                                 | Acoem Australasia (EcoTech) Pty Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| APACs                                 | Air Pollution Assessment Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| API                                   | Application Programming Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AQMP                                  | Air Quality Monitoring Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| AQMS                                  | Air Quality Monitoring Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Australian Standard measuring methods | A set of Australian Standards which detail the type of equipment required to measure pollutants and meteorological parameters and the correct siting of the monitoring equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AWS                                   | Automatic Weather Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BAM                                   | Beta Attenuation Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BoM                                   | Bureau of Meteorology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Calm                                  | Wind speeds below 0.5 m/s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Correlation                           | Correlation measures the linear relation between two variables.<br>A strong positive correlation (close to 1) indicates that when one variable increases, the other also increases. A strong negative correlation (close to -1) indicates that when one variable increases, the other decreases.                                                                                                                                                                                                                                                                                                                                                                           |
| EP Act                                | Environment Protection Amendment Act 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EPA Victoria                          | Environment Protection Authority Victoria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EPA Stations                          | EPA Victoria air quality monitoring stations. More information can be found on <a href="https://www.epa.vic.gov.au/for-community/airwatch">https://www.epa.vic.gov.au/for-community/airwatch</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ERS                                   | Environment Reference Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GED                                   | General Environmental Duty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GHD                                   | GHD Pty Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Kunak sensors                         | Kunak™ Air Pro, portable real-time air quality sensors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NATA                                  | National Association of Testing Authorities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NEPM AAQ                              | National Environment Protection Measure (Ambient Air Quality)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NO <sub>2</sub>                       | Nitrogen dioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OHS                                   | Occupational Health and Safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PM <sub>10</sub>                      | Particulate matter with diameter less than 10 micrometres (10 µm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PM <sub>2.5</sub>                     | Particulate matter with diameter less than 2.5 micrometres (2.5 µm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ports Victoria                        | Ports Melbourne Victoria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Pollution rose                        | A pollution rose illustrates the frequency of occurrence of various pollutant concentrations in each wind direction for a given month.<br>The length of 'petal' in a direction corresponds to the frequency of occurrence of a pollutant when wind is blowing from that direction.<br>The colour within each 'petal' corresponds to the level of concentration of the measured pollutant.<br>For example, in the pollution rose below, winds from the South occur for approximately 23% of the time. Of that 23%, 7% of the pollutant concentrations are between 0 to 0.5 ppb, 7% of the pollutant concentrations are between 0.5 to 1 ppb and so on. This is indicated by |

| Term            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p>the length of the shading on the petals.</p>  <p>Frequency of counts by wind direction (%)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sigma           | Standard deviation of wind direction, can be used to calculate atmospheric stability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SEPP AQM        | State Environment Protect Policy for Air Quality Management (replaced by ERS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SO <sub>2</sub> | Sulphur dioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Vessel in port  | Vessel berthed at Station Pier. Does not include vessels approaching or departing Station Pier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Windrose        | <p>A wind rose illustrates the frequency of occurrence of winds of various speeds in each wind direction for a given month.</p> <p>The length of 'petal' in a direction corresponds to the frequency of wind blowing from that direction, while the colour within each 'petal' corresponds to the wind speeds.</p> <p>For example, in the wind rose below, winds from the South occur for approximately 16% of the time. Of that 16%, 3% of the wind speeds are between 0.5 to 2 m/s, 12% of the wind speeds are between 2 to 5 m/s and less than 1% of the wind speeds are between 5 to 9.6 m/s. This is indicated by the length of the shading on the petals.</p>  <p>Frequency of counts by wind direction (%)</p> |

# 1. Introduction

Ports Victoria are implementing an air quality monitoring program at Station Pier, Port Melbourne, Victoria for a period of 12 months. Station Pier is the premier cruise ship terminal in Melbourne, with around 100 cruise ship visits every cruise season. The primary objective of this air quality monitoring program is to provide Ports Victoria, Environment Protection Authority (EPA) Victoria and the local community with a greater understanding of local air quality from Station Pier operations by undertaken an air quality monitoring program for a period of twelve months to cover the cruise and non-cruise ship visit seasons, and seasonal weather variation. Development of the monitoring program took into account the results of a previous air quality monitoring program which was undertaken in the period 2016-17.

Ports Victoria has engaged GHD Pty Ltd (GHD) to undertake this air quality monitoring program, including monthly technical reporting and data analysis. Acoem Australasia (EcoTech Pty Ltd) (ACOEM) has been engaged as the monitoring equipment supplier. ACOEM is an Australia National Association of Testing Authorities (NATA) accredited company and conducts all required maintenance and calibration of the monitoring equipment as well as validation of the collected data.

This air quality monitoring monthly report presents the analysis of monthly data collected by the Air Quality Monitoring Station (AQMS) located at Station Pier, 6 Waterfront Place. The validated monitoring data (presented in Appendix D) was provided by ACOEM.

The location of the project is shown in Figure 1.

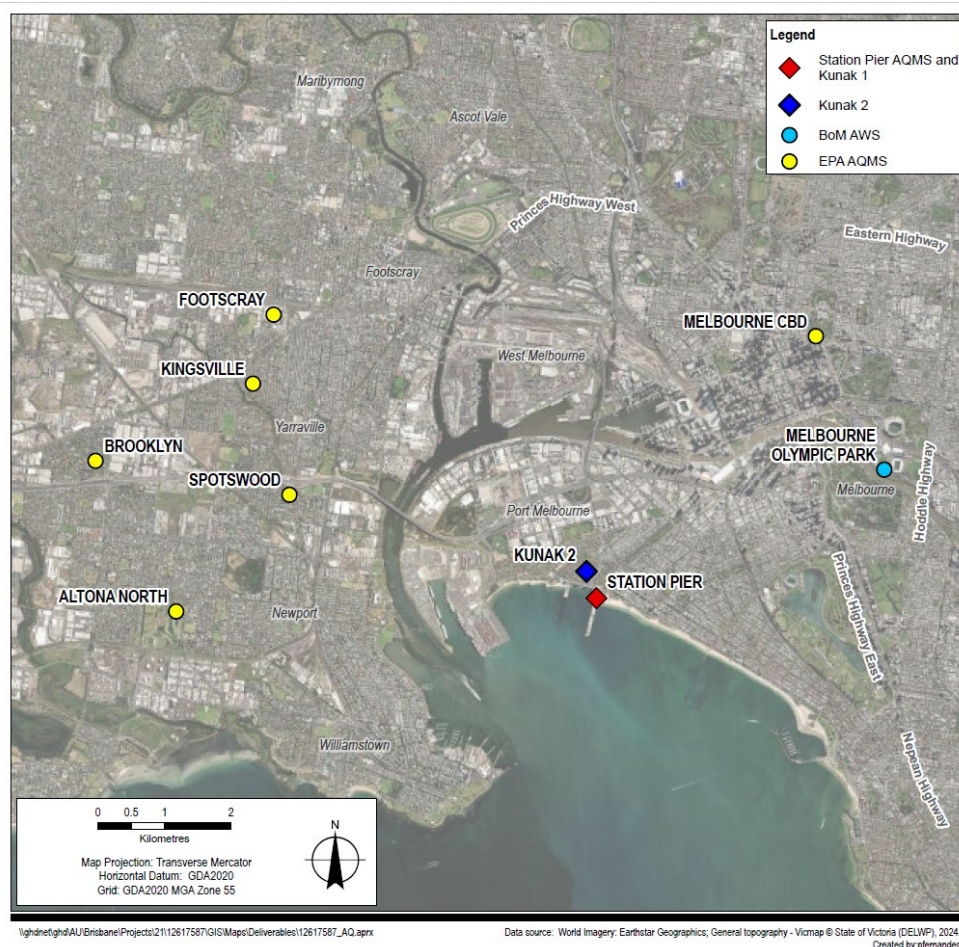


Figure 1 Air quality monitoring program location

## 1.1 Scope of work

The scope of this monthly report is summarised in Table 1.

**Table 1** Scope of air quality monitoring program (AQMP)

| Scope item no. | Scope of work             | Description                                                                                                                                                                                                                                                                                                                                                                                                          | Report section             |
|----------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 1              | Monitoring overview       | An overview of the air quality monitoring monthly report.                                                                                                                                                                                                                                                                                                                                                            | Section 2                  |
| 2              | Legislative Context       | Environmental values, air indicators and objectives that set the benchmark for the quality of the air environment needed to protect environmental values in Victoria.                                                                                                                                                                                                                                                | Section 2.1 and Appendix A |
| 3              | Data analysis             | Summary of monitoring findings for the month: <ul style="list-style-type: none"><li>- Direct comparison of measurement data to the assessment criteria summarised in Section 2.1.</li></ul>                                                                                                                                                                                                                          | Section 3                  |
| 4              | Data analysis – May 2024  | Additional information: <ul style="list-style-type: none"><li>- Summary of monitoring equipment in the AQMS and the parameters and pollutants measured.</li><li>- Review of data during the period.</li><li>- Data availability and quality during the period.</li><li>- Detailed analysis of data for the period between 1 May 2024 to 31 May 2024.</li><li>- Other impacts to air quality in the region.</li></ul> | Appendix B                 |
| 5              | Data analysis – Long term | Detailed analysis of data for the entire monitoring period, between 4 December 2024 and 31 May 2024.                                                                                                                                                                                                                                                                                                                 | Appendix C                 |
| 6              | NATA accredited data      | Validated AQMS monitoring data provided by ACOEM:                                                                                                                                                                                                                                                                                                                                                                    | Appendix D                 |

## 1.2 Limitations

*This report: has been prepared by GHD for Ports Victoria and may only be used and relied on by Ports Victoria for the purpose agreed between GHD and Ports Victoria as set out in section 1.1 of this report.*

*GHD otherwise disclaims responsibility to any person other than Ports Victoria arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.*

*The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.*

*The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.*

*The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report (refer section(s) 1.3 of this report). GHD disclaims liability arising from any of the assumptions being incorrect.*

## 1.3 Assumptions

The content of this report is subject to the following assumptions:

- Data provided by ACOEM has been validated and is NATA accredited.
- Data provided by the EPA is as uploaded via the EPA developer portal API.

## 2. Monitoring overview

### What is presented in this report

This air quality monitoring monthly report presents the analysis of monthly data collected between 1 May 2024 to 31 May 2024. The monitoring data observed at Station Pier AQMS during this monitoring period have been presented and, where relevant, compared against observations from the local Environment Protection Authority (EPA) Victoria air quality monitoring stations (EPA Stations) and the adopted Air Pollution Assessment Criteria (APACs) from the EPA Publication 1961.

Two portable real-time Kunak sensors were installed in April 2024 with the aim to understand the air quality in the community north of Station Pier. Review and analysis of observations from these sensors is not presented in this report. Kunak observations and comparison against the AQMS observation will be presented in a separate report.

### **Monitoring equipment and locations**

This air quality monitoring data is collected from the Air Quality Monitoring Station (AQMS) located at Station Pier, 6 Waterfront Place, Port Melbourne Victoria.

The validated monitoring data was provided by ACOEM, a NATA accredited company.

### **What is an AQMS**

The AQMS measures pollutant concentrations and meteorological data using Australian Standard measuring methods, providing accurate measurements.

The parameters measured as part of the air quality monitoring program include wind speed, wind direction, temperature, relative humidity, sigma, PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, and SO<sub>2</sub> concentrations. Further details on the monitoring methodology for each parameter is provided in Appendix B-1-1.

### **What are EPA Stations and how is the data used**

EPA Victoria operate air quality monitoring sites across Victoria to monitor air quality. The EPA Stations data is publicly available on the EPA website<sup>1</sup>.

In this report, the Station Pier AQMS observations are compared against the regional air quality observed at selected EPA Stations – Altona North, Spotswood, Kingsville, Footscray, Brooklyn and Melbourne CBD stations. The selected EPA Stations also measure pollutants using Australian Standard measuring methods, providing accurate measurements. Detailed data analysis is provided in Appendix B-3.

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<sup>1</sup> <https://www.epa.vic.gov.au/for-community/airwatch>

## 2.1 Air Pollution Assessment Criteria

The Air Pollution Assessment Criteria (APACs) are introduced in EPA Publication 1961 - *Guideline for assessing and minimising air pollution in Victoria* as concentrations of pollutants in air that provide a benchmark to understand potential risks to human health or the environment. They are risk-based concentrations that can help identify when or if an activity is likely to pose an unacceptable risk to the receiving environment. They are not concentrations which one can 'pollute up to' and also not concentrations below which no action is required. The APACs for PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub> and SO<sub>2</sub> are based on the Environment Reference Standard (ERS).

The APACs relevant to the Station Pier air quality monitoring program are outlined in Table 2. Concentrations of each pollutant recorded by the Station Pier AQMS have been compared against these criteria to identify risk to the receiving environment.

Further detail on the legislative context is provided in Appendix A.

**Table 2** APACs relevant to the monitoring plan

| Substance                                  | Assessment criteria  | Averaging time | Classification <sup>2</sup> | Basis         |
|--------------------------------------------|----------------------|----------------|-----------------------------|---------------|
| PM <sub>10</sub>                           | 50 µg/m <sup>3</sup> | 24 hours       | Class 1                     | ERS Objective |
|                                            | 20 µg/m <sup>3</sup> | 1 year         |                             |               |
| PM <sub>2.5</sub>                          | 25 µg/m <sup>3</sup> | 24 hours       | Class 2                     | ERS Objective |
|                                            | 8 µg/m <sup>3</sup>  | 1 year         |                             |               |
| NO <sub>2</sub><br>(maximum concentration) | 80 ppb               | 1 hour         | Class 1                     | ERS Objective |
|                                            | 15 ppb               | 1 year         |                             |               |
| SO <sub>2</sub><br>(maximum concentration) | 75 ppb               | 1 hour         | Class 1                     | ERS Objective |
|                                            | 20 ppb               | 24 hours       |                             |               |

<sup>2</sup> Substances are classified as per Schedule 4 of the Environmental Protection Regulations 2021

### 3. Data analysis

This section presents a summary of the air quality monitoring data collected at Station Pier AQMS, and analysis against the nearby EPA Stations and the adopted criteria. Detailed data review and analysis is provided in Appendix B. Review of meteorological data collected at Station Pier is also provided in Appendix B-2.

During May the HMAS Rankine, a submarine, visited Station Pier. This was a unique vessel visit and there were some visual air emissions noted during its visit. Data from the AQMS was reviewed to see if there were any notable readings in the monitoring data. The results are presented in Appendix B-3-5.

#### 3.1 PM<sub>10</sub>

The 24-hour average PM<sub>10</sub> concentrations observed in May 2024 are presented in Figure 2 which presents the 24-hour average PM<sub>10</sub> concentrations observed at Station Pier AQMS and local EPA Stations, compared against the adopted criterion. Hours during which a vessel was present in the port are highlighted.

##### Station Pier AQMS observations

- All PM<sub>10</sub> concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 43.3  $\mu\text{g}/\text{m}^3$ , which is 13.3% below the criterion, observed on 9 May.
- On 9 May, elevated PM<sub>10</sub> concentrations were also observed at EPA Stations located at Brooklyn, Kingsville and Footscray. The higher concentrations of PM<sub>10</sub> observed at both Station Pier AQMS and EPA Stations indicate that there was likely a regional emission source(s) contributing to elevated levels, rather than a localised source.

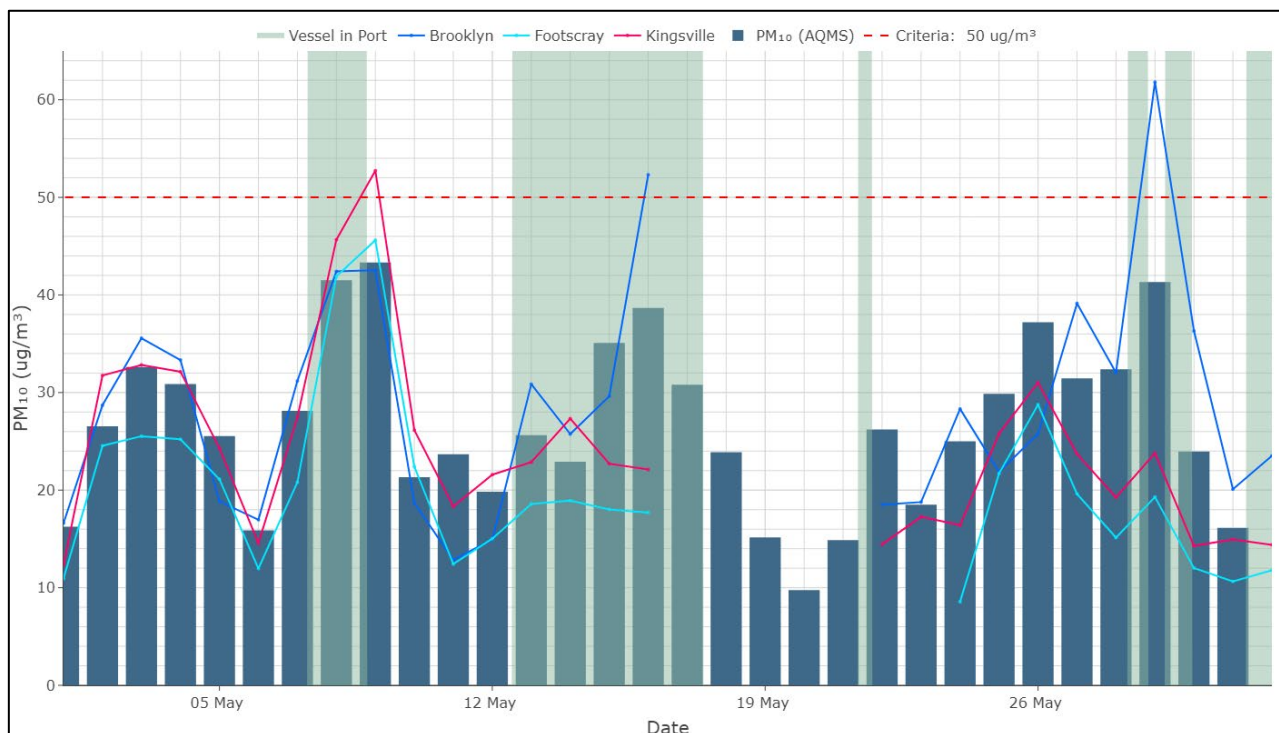


**Figure 2** 24-hour average PM<sub>10</sub> concentrations ( $\mu\text{g}/\text{m}^3$ ) at Station Pier and local EPA stations (May 2024) (criteria: 50  $\mu\text{g}/\text{m}^3$ )

## 3.2 PM<sub>2.5</sub>

The 24-hour average PM<sub>2.5</sub> concentrations observed in May 2024 are presented in Figure 3 which presents the 24-hour average PM<sub>2.5</sub> concentrations observed at Station Pier AQMS and local EPA Stations, compared against the adopted criterion. Hours during which a vessel was present in the port is highlighted.

### Station Pier AQMS observations

- All PM<sub>2.5</sub> concentrations were below the adopted criterion, with the maximum 24-hour average concentration of 23.0 µg/m<sup>3</sup>, which was 7.8% below the criterion, observed on 9 May.
- On 9 May, elevated PM<sub>2.5</sub> concentrations were also observed at EPA Stations located at Altona North, Brooklyn, Footscray, Kingsville, Melbourne CBD, and Spotswood. The higher levels of PM<sub>2.5</sub> observed at both Station Pier AQMS and EPA Stations indicate that there was likely a regional emission source(s) contributing to elevated levels rather than a localised source.

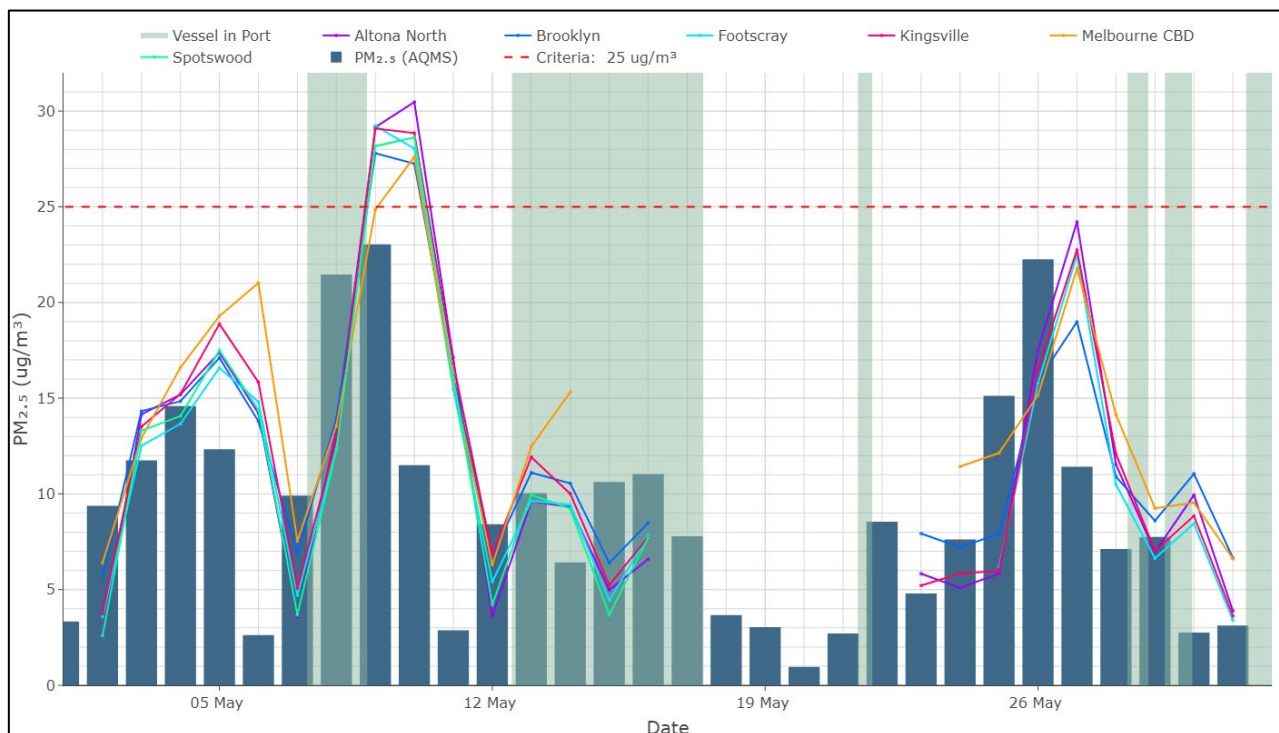


**Figure 3** 24-hour average PM<sub>2.5</sub> concentrations (µg/m<sup>3</sup>) at Station Pier and local EPA stations (May 2024) (criteria: 25 µg/m<sup>3</sup>)

### 3.3 NO<sub>2</sub>

The hourly average NO<sub>2</sub> concentrations observed in May 2024 are presented in Figure 4 which presents the hourly average NO<sub>2</sub> concentrations observed at Station Pier AQMS and local EPA Station, compared against the adopted criterion. Hours during which a vessel was present in the port is highlighted.

#### Station Pier AQMS observations

All concentrations were below the adopted NO<sub>2</sub> criterion. The maximum hourly average concentration recorded was 40.1 ppb, which is 50% below the criterion.

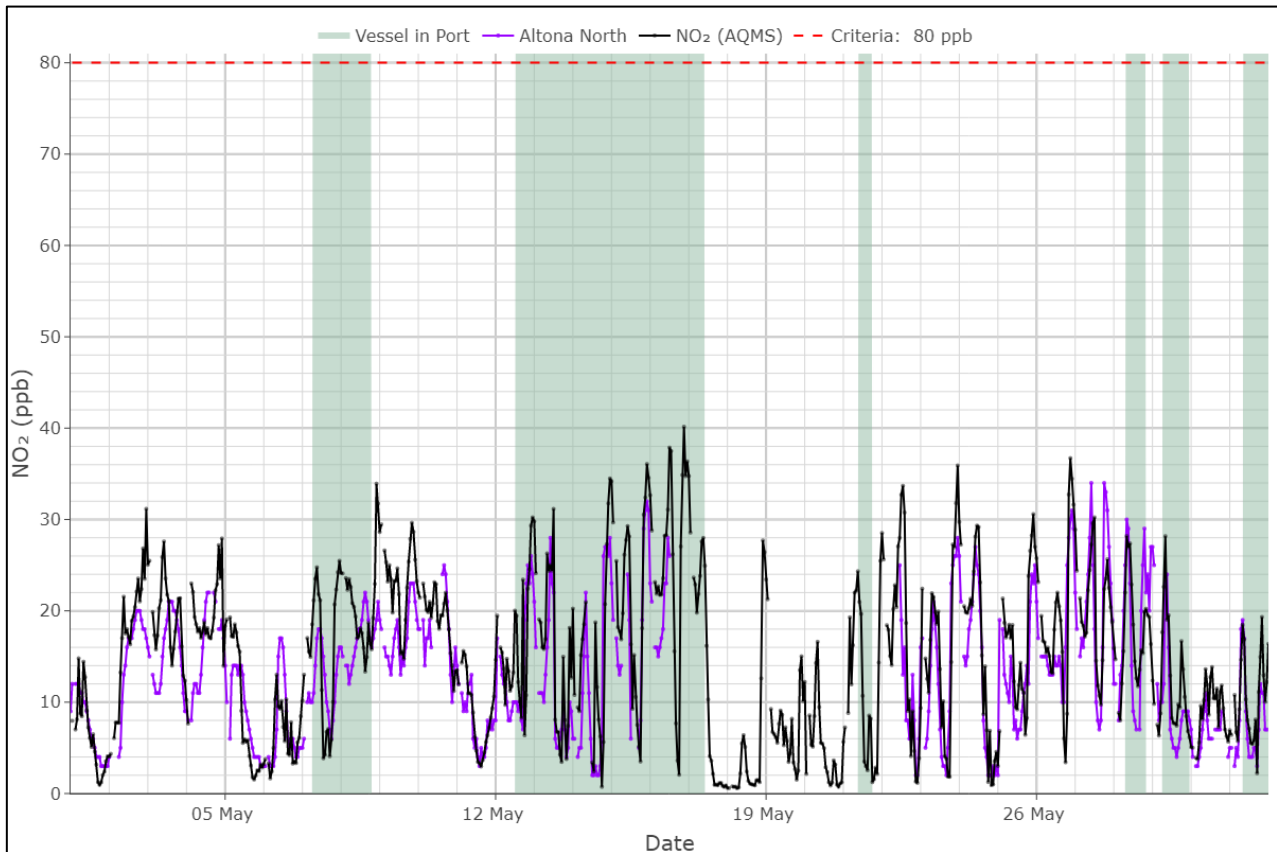


**Figure 4** Hourly average NO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA stations (May 2024) (criteria: 80 ppb)

## 3.4 SO<sub>2</sub>

The hourly and 24-hour average SO<sub>2</sub> concentrations observed in May 2024 are presented in Figure 5 and Figure 6, in which:

**Figure 5:** Presents the hourly average SO<sub>2</sub> concentrations observed at the Station Pier AQMS and local EPA Station, compared against the adopted criterion. Hours during which a vessel was present in the port is highlighted.

**Figure 6:** Presents the 24-hour average SO<sub>2</sub> concentrations observed at the Station Pier AQMS and local EPA Stations, compared against the adopted criterion. Hours during which a vessel was present in the port is highlighted.

### Station Pier AQMS observations

- All hourly average SO<sub>2</sub> concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 4.2 ppb, which is 94% below the criterion.
- All 24-hour average SO<sub>2</sub> concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 2.0 ppb, which is 90% below the criterion.

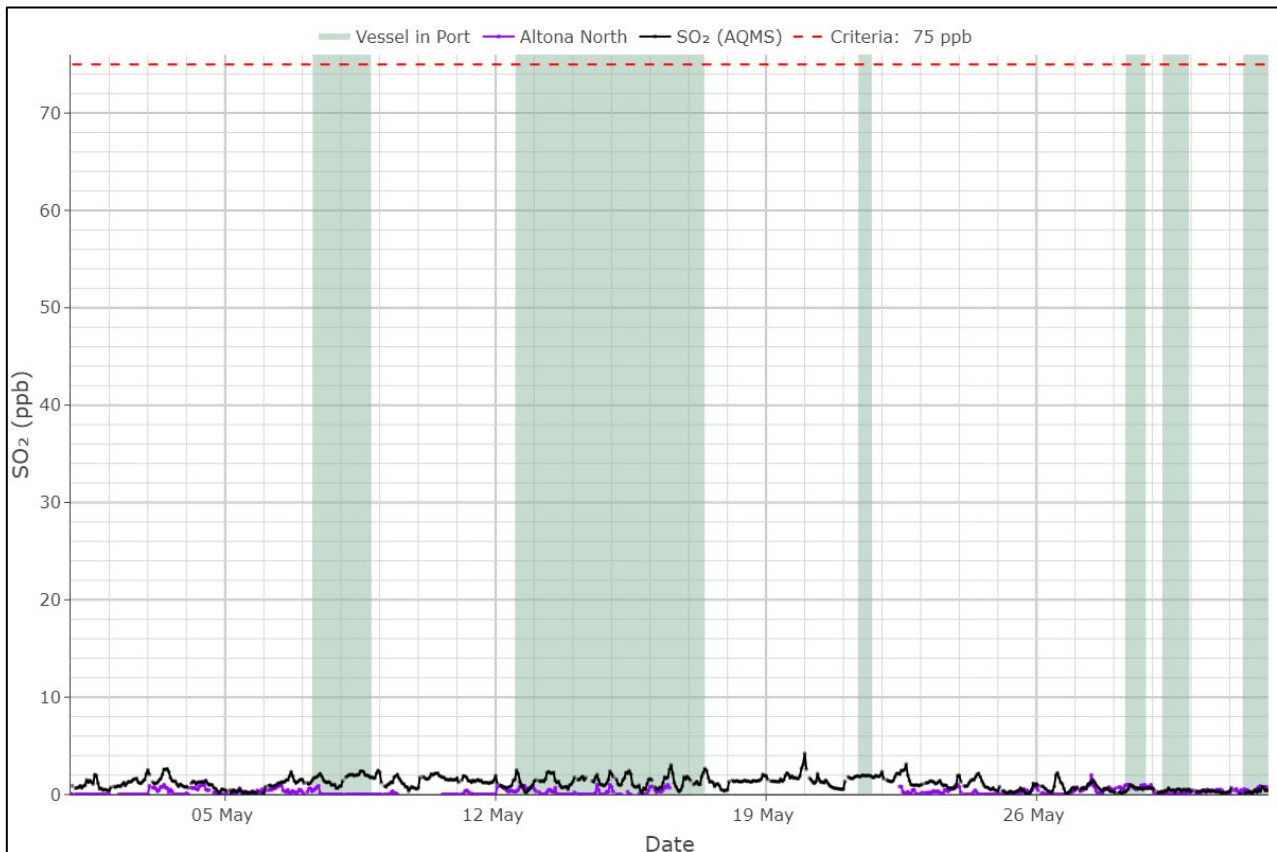


**Figure 5** Hourly average SO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA Station (May 2024) (criteria: 75 ppb)

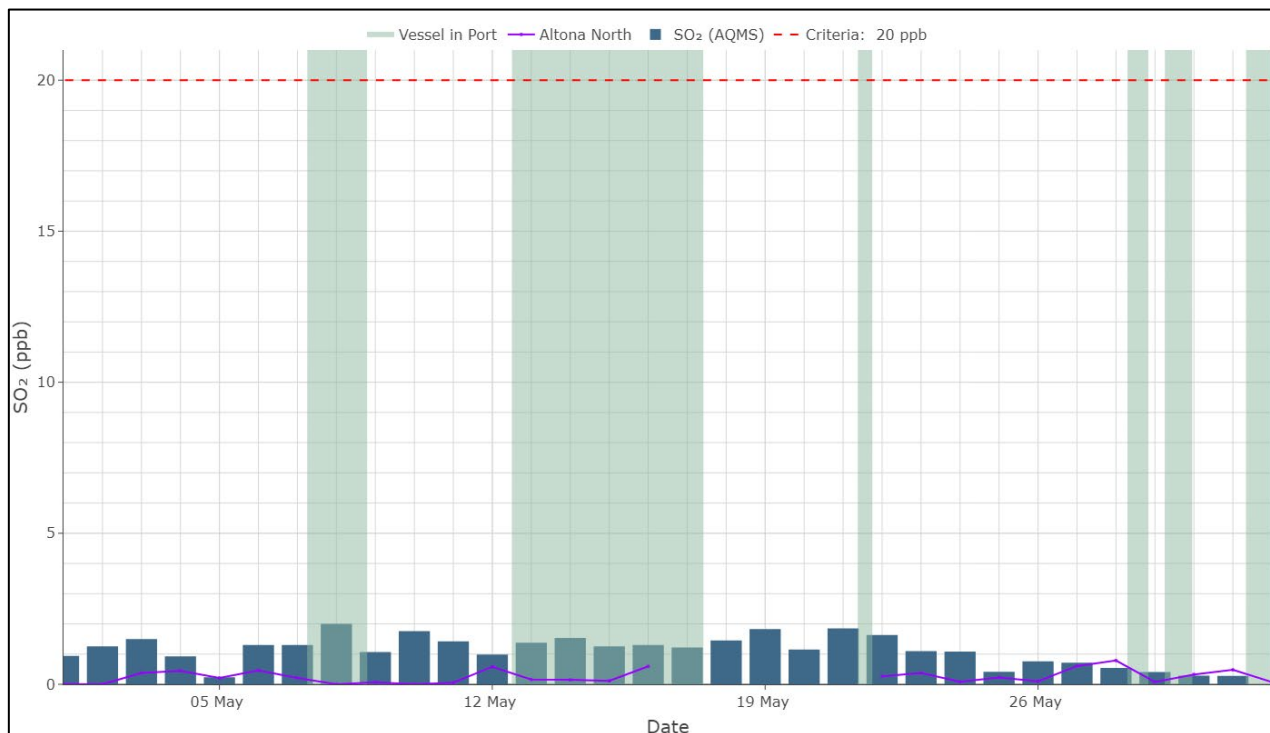


**Figure 6** 24-hour average SO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA Station (May 2024) (criteria: 20 ppb)

## 3.5 Summary

All observations of PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub> and SO<sub>2</sub> during the month of May 2024 were lower than the adopted short term criteria (1-hour and 24-hour).

On 9 May when higher levels of particulate matter concentrations (PM<sub>10</sub> and PM<sub>2.5</sub>) were observed at Station Pier, elevated particulate concentrations were also observed at EPA Stations, indicating a regional emission source(s), rather than a localised source, contributing to elevated particulate matter levels occurring on same days across EPA stations and Station Pier AQMS.

Visual air emissions were observed while the HMAS Rankine was present at Station Pier. Data during this visit has been reviewed in Appendix B-3-5.

# Appendix A

Legislative context

This appendix summarises the environmental values, air indicators and objectives that set the benchmark for the quality of the air environment needed to protect environmental values in Victoria, Australia.

## **A-1 Environment Protection Act 2018 (amendment to Environment Protection Act 2017)**

Environment Protection Authority (EPA) Victoria implemented a new legal framework which came into force on 1 July 2021, with the intention for this framework to drive environmental improvements in industrial operations. The cornerstone of the Environment Protection Amendment Act 2018 (the EP Act) is the general environmental duty (GED), which requires all Victorians to understand and minimise their risks of harm to human health and the environment, from pollution and waste. This means the approach to the protection of human health and the environment has changed from 'compliance-based' regulation to 'outcomes-based' regulation. The expectation is that individuals will manage their activities to avoid the risk of environmental damage. There is also a requirement to quickly and appropriately respond if pollution does occur.

For businesses already managing their environmental risks, the GED generally means little to no change in how they operate. Most businesses already follow good management practices. This will make complying with the GED easier. EPA Victoria have committed to working with industry to help them understand how to fulfil their obligations, by providing guidance, advice and other support. Complying with the GED is about taking reasonable proactive steps and employing good environmental work practices. Compliance with the GED can be through following responsibilities under occupational health and safety (OHS) laws, meeting industry standards, adopting industry better management practices, and following other relevant legislation related to the environment. In effect, the GED makes it clear that it is the individual businesses' responsibility to reduce risk to the environment and to protect it.

## **A-2 Environment Reference Standard**

The EP Act's environment protection framework includes the Environment Reference Standard (ERS). This identifies environmental values, air indicators and objectives that set the benchmark for the quality of the air environment needed to protect environmental values. The environmental values identified include:

- Life, health and wellbeing of humans
- Life, health and well-being of other forms of life, including the protection of ecosystems and biodiversity
- Local amenity and aesthetic enjoyment
- Visibility
- The useful life and aesthetic appearance of buildings, structures, property and materials
- Climate systems that are consistent with human development, the life, health and well-being of humans, and the protection of ecosystems and biodiversity

The ERS is a reference standard, not a 'compliance standard' for businesses i.e. it relates to ambient air and not any individual facility. The ERS replaces State Environment Protection Policy for Air Quality Management (SEPP AQM) and generally adopts the objectives in the National Environment Protection Measure (Ambient Air Quality) (NEPM AAQ) with some modifications.

The following air quality indicators, and respective objectives, relevant to this assessment are outlined below in Figure A.1.

| Column 1<br>Indicators                                       | Column 2<br>Objectives                                                                                           | Column 3<br>Averaging period |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------|
| Carbon monoxide (maximum concentration)                      | 9.0 ppm                                                                                                          | 8 hours                      |
| Nitrogen dioxide (maximum concentration)                     | 0.08 ppm                                                                                                         | 1 hour                       |
|                                                              | 0.015 ppm                                                                                                        | 1 year                       |
| Photochemical oxidants (as ozone)<br>(maximum concentration) |                                                                                                                  |                              |
|                                                              | 0.06 ppm                                                                                                         | 8 hours                      |
| Sulfur dioxide (maximum concentration)                       | 0.075 ppm                                                                                                        | 1 hour                       |
|                                                              | 0.02 ppm                                                                                                         | 1 day                        |
|                                                              |                                                                                                                  |                              |
| Lead (maximum concentration)                                 | 0.50 µg/m <sup>3</sup>                                                                                           | 1 year                       |
| Particles as PM <sub>10</sub> (maximum concentration)        | 50 µg/m <sup>3</sup>                                                                                             | 1 day                        |
|                                                              | 20 µg/m <sup>3</sup>                                                                                             | 1 year                       |
| Particles as PM <sub>2.5</sub> (maximum concentration)       | 25 µg/m <sup>3</sup>                                                                                             | 1 day                        |
|                                                              | 8 µg/m <sup>3</sup>                                                                                              | 1 year                       |
| Visibility reducing particles (minimum visual distance)      | 20 km                                                                                                            | 1 hour                       |
| Odour                                                        | An air environment that is free from offensive odours from commercial, industrial, trade and domestic activities | N/A                          |

Figure A.1 Table 2.2 from the ERS No. S245 Gazette 26 May 2021, as amended by ERS No S158 Gazette 29 March 2022

## A-3 EPA Publication 1961 Guideline for assessing and minimising air pollution in Victoria

As part of the Victorian Environment Protection Act 2017 (EP Act), EPA Victoria has produced an air quality guideline namely; Guideline for assessing and minimising air pollution in Victoria (EPA Publication 1961). This guideline forms part of Victoria's environmental protection framework that establishes the state of knowledge to protect the environmental values of the ambient air environment. The guideline describes the General Environmental Duty (GED) which requires anyone engaging in any activity that may give rise to risks of harm to human health or the environment from pollution or waste to minimise those risks, so far as reasonably practicable.

As such, emitters of pollution to air have a responsibility to put in proportionate controls to eliminate or minimise risks to human health or the environment. Being proportionate and preventative requires duty holders to:

- Understand their risks
- Actively seek out ways to eliminate or minimise these risks, so far as reasonably practicable
- Ensure any risks remaining after the implementation of all controls are within acceptable limits.

The purpose of the guideline is to provide a framework to assess and control risks associated with air pollution.

## A-3-1 Air Pollution Assessment Criteria

The Air Pollution Assessment Criteria (APACs) are introduced in the EPA Publication 1961 as concentrations of pollutants in air that provide a benchmark to understand potential risks to human health or the environment. They are risk-based concentrations that can help identify when or if an activity is likely to pose an unacceptable risk to the receiving environment. They are not concentrations which one can 'pollute up to' and also not concentrations below which no action is required. The APACs for PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub> and SO<sub>2</sub> are based on the ERS.

The APACs relevant to the Station Pier air quality monitoring program are outlined in Table A.1. Concentrations of each pollutant recorded by the Station Pier AQMS have been compared against these criteria to identify risk to the receiving environment.

**Table A.1** APACs relevant to the monitoring plan

| Substance                                  | Assessment criteria  | Averaging time | Classification <sup>3</sup> | Basis         |
|--------------------------------------------|----------------------|----------------|-----------------------------|---------------|
| PM <sub>10</sub>                           | 50 µg/m <sup>3</sup> | 24 hours       | Class 1                     | ERS Objective |
|                                            | 20 µg/m <sup>3</sup> | 1 year         |                             |               |
| PM <sub>2.5</sub>                          | 25 µg/m <sup>3</sup> | 24 hours       | Class 2                     | ERS Objective |
|                                            | 8 µg/m <sup>3</sup>  | 1 year         |                             |               |
| NO <sub>2</sub><br>(maximum concentration) | 80 ppb               | 1 hour         | Class 1                     | ERS Objective |
|                                            | 15 ppb               | 1 year         |                             |               |
| SO <sub>2</sub><br>(maximum concentration) | 75 ppb               | 1 hour         | Class 1                     | ERS Objective |
|                                            | 20 ppb               | 24 hours       |                             |               |

<sup>3</sup> Substances are classified as per Schedule 4 of the Environmental Protection Regulations 2021

# **Appendix B**

**Data analysis – May 2024**

## B-1 AQMS methodology summary

### B-1-1 Parameters measured

The AQMS was installed at Station Pier on 4 December 2023. Table B.1 summarises the equipment included in the AQMS and the pollutants measured. A photograph of the AQMS is provided in Figure B.1.

**Table B.1** Summary of monitoring equipment and pollutants measured

| Equipment and hardware supplied             | Pollutant/parameter measured                                                                                               | Measurement method                           | Australian Standard | Location                                                   |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------|------------------------------------------------------------|
| <b>Air Quality Monitoring System (AQMS)</b> |                                                                                                                            |                                              |                     |                                                            |
| MetOne Spirant Beta Attenuation Monitoring  | Particles as PM <sub>10</sub>                                                                                              | Beta Attenuation Monitoring (BAM) technology | AS 3580.9.12.2022   | Station Pier.<br>Refer to Figure B.1 for location of AQMS. |
| MetOne Spirant BAM                          | Particles as PM <sub>2.5</sub>                                                                                             | BAM technology                               | AS 3580.9.11.2022   |                                                            |
| Ecotech Model Serinus® 40                   | Nitrogen dioxide (NO <sub>2</sub> )                                                                                        | Chemiluminescence technology                 | AS 3580.5.1.2011    |                                                            |
| Ecotech Model Serinus® 50                   | Sulphur dioxide (SO <sub>2</sub> )                                                                                         | Pulse UV Fluorescent Radiation technology    | AS 3580.4.1.2008    |                                                            |
| Ultrasonic anemometer at 10 m               | Wind speed, wind direction<br>Sigma (Standard deviation of wind direction. Can be used to calculate atmospheric stability) | Ultrasonic sensor                            | AS 3580.14:2014     |                                                            |
| Vaisala HMP155 at 2 m                       | Temperature, relative humidity                                                                                             | Warmed probe technology                      | AS 3580.14:2014     |                                                            |



**Figure B.1** Photograph of AQMS

## B-1-2 Monitoring period

The monitoring period for this report is 1 May 2024 to 31 May 2024.

## B-1-3 Data analysis

Data collected by the AQMS undergoes a NATA accreditation procedure undertaken by ACOEM to ensure all analysed data is valid. AQMS observations of each parameter were processed and analysed and are presented into the following sections:

- Section B-2:** AQMS observations were processed into averaging periods defined by the relevant APACs. The processed data is also overlayed with vessel presence at the port.  
Where it is indicated that a vessel is in port, a vessel is berthed at Station Pier. Vessels near the port (during approach and departure) are not included as vessels in port.
- Section B-3:** AQMS observations of each parameter are then presented in Section B-3 overlayed with vessel presence and the local EPA Stations, along with the relevant APACs.  
This analysis allows for comparison against ambient air quality across the local region, and identification of potential risk to the receiving environment.

## B-1-4 Data information

Table B.2 summarises the availability and quality of the data measured by the AQMS between 1 May 2024 to 31 May 2024.

ACOEM has conducted all required servicing and calibration for production of NATA accredited air quality data, and monthly data has been reviewed. Data presented in this report from the Station Pier AQMS is NATA accredited.

**Table B.2** AQMS data availability and quality

| Parameters          | Units             | Data availability (%) between 1 and 31 May 2024 | Reason for missing data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|-------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PM <sub>10</sub>    | µg/m <sup>3</sup> | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PM <sub>2.5</sub>   | µg/m <sup>3</sup> | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NO <sub>2</sub>     | ppb               | 95%                                             | <ul style="list-style-type: none"> <li>– Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation (1 May 01:00 to 31 May 02:20).</li> <li>– Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00).</li> <li>– Unrealistic negative readings (19 May 15:35 to 19 May 15:40)</li> </ul>                                                                                                                                                                                                                                                                 |
| SO <sub>2</sub>     | ppb               | 95%                                             | <ul style="list-style-type: none"> <li>– Intermittent static offset of +1 ppb applied to correct SO<sub>2</sub> baseline (01 May 00:00 to 31 May 00:55)</li> <li>– Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)</li> <li>– Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation (1 May 01:00 to 31 May 02:20).</li> <li>– Automatic background checks every night between 23:45 and 23:50 (1 May 23:45 to 31 May 23:50).</li> <li>– Linear offset A= 0 ppb and B = +1 ppb applied to correct baseline (17 May 02:00 to 23:55)</li> </ul> |
| Wind speed          | m/s               | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wind direction      | °                 | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ambient temperature | °C                | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Relative humidity   | %                 | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sigma               | °                 | 99%                                             | – Scheduled monthly maintenance followed by instrument stabilisation. (14 May 08:00 to 12:00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## B-2 AQMS data review

### B-2-1 Wind pattern

The effects of wind on dispersion patterns can be examined using the general wind climate and atmospheric stability class distributions. The general wind climate at a site is displayed by means of wind rose plots, giving the incidence of winds from different directions for various wind speed ranges. Figure B.2 shows the average wind rose for May 2024.

The average wind rose for the data period is shown in Figure B.3 and it shows the following features:

- The predominant monthly average wind direction is from the north comprising 15% of all incident winds, followed by winds from the north-northwest (9%).
- The average wind speed is at 2.1 m/s.
- Calms (wind speeds less than 0.5 m/s) occur 2.7% of the time.
- Winds in other directions generally each occur between 5 and 10% of the time, except for east-northeast, east and west which occurred for less than 5% each.

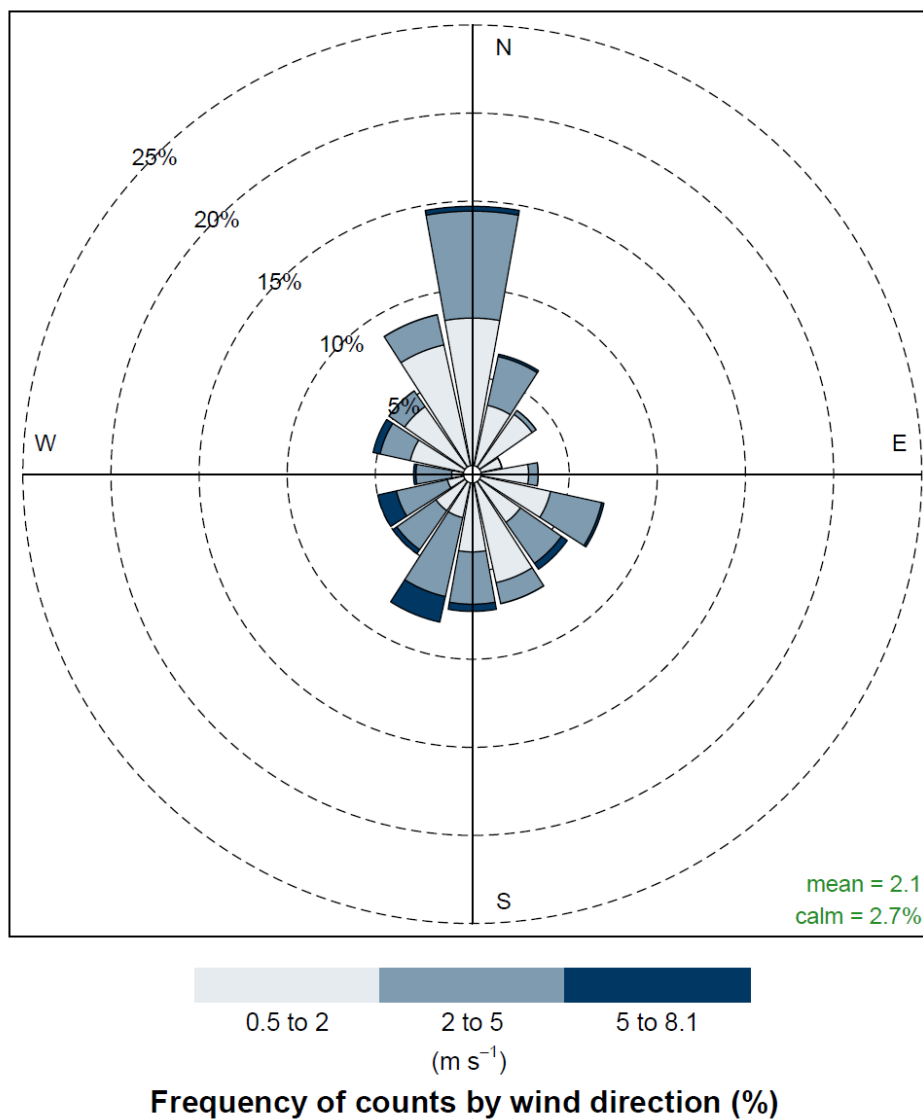


Figure B.2 May 2024 windrose at Station Pier

## B-2-2 Other meteorological parameters

Temperature, relative humidity and sigma observations are shown in Figures B.3 to B.5, respectively.

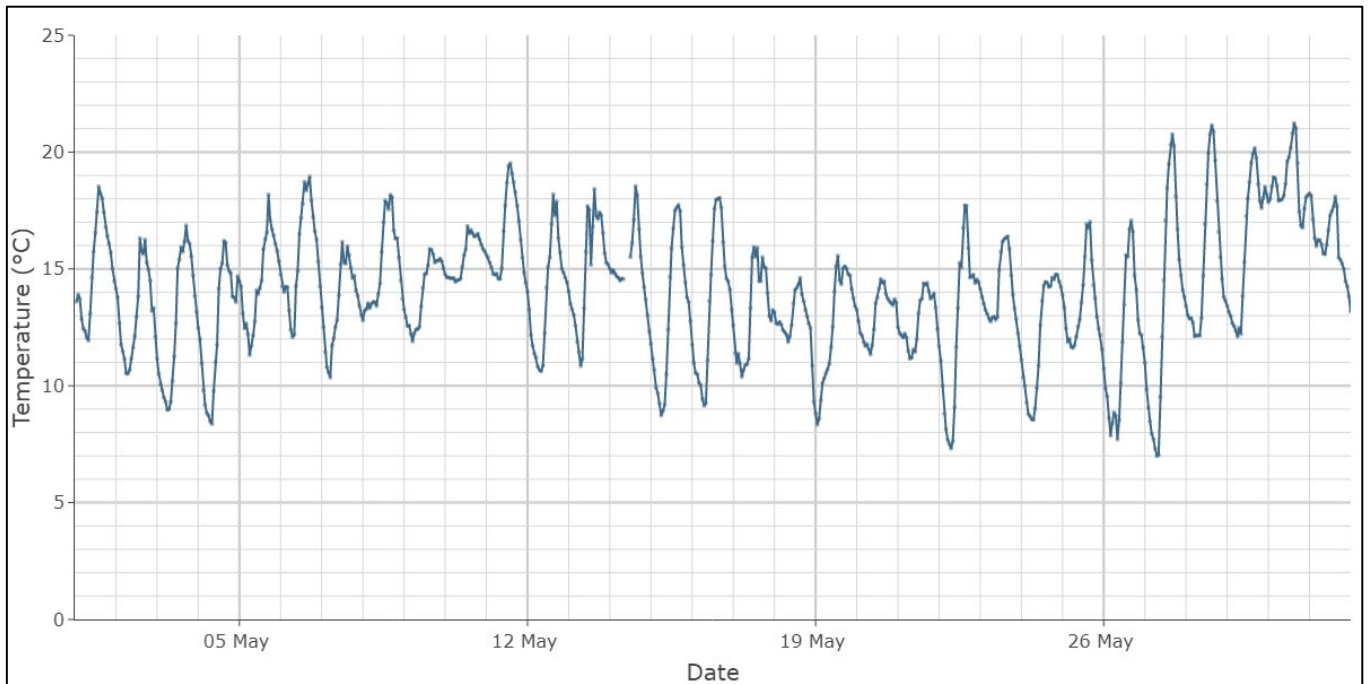


**Figure B.3** May 2024 temperature observations at Station Pier

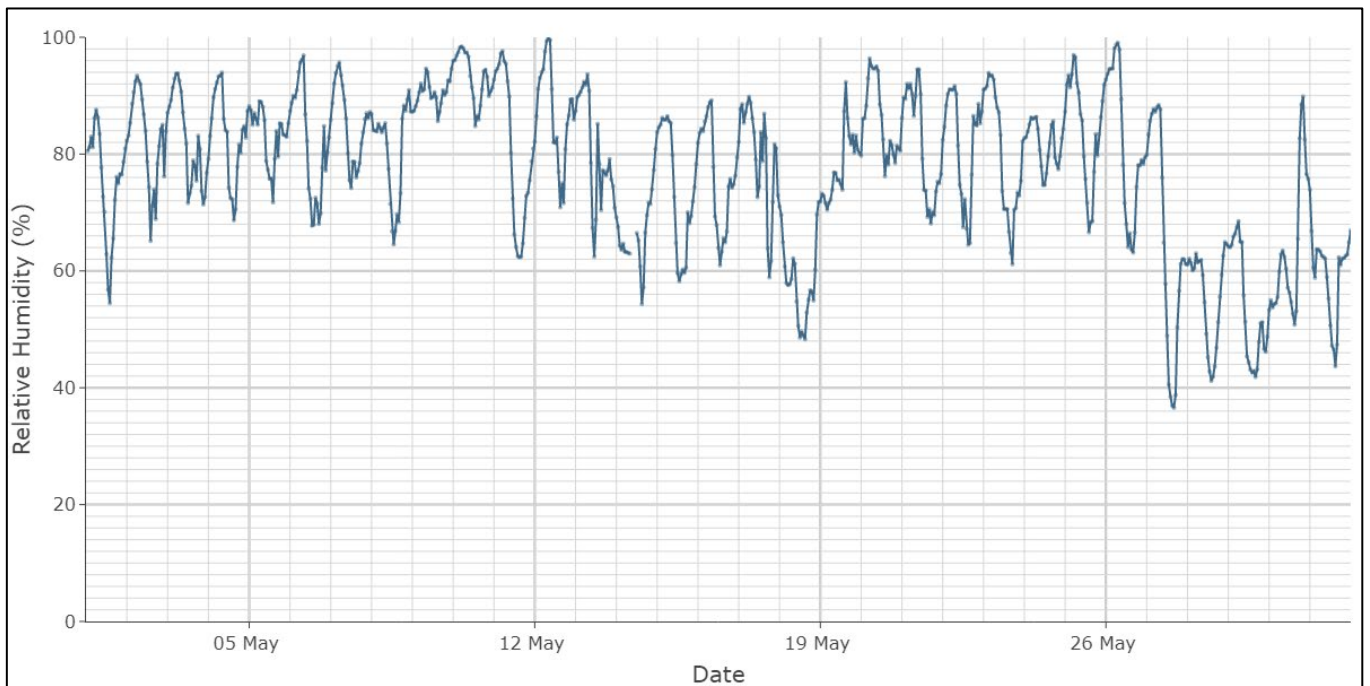


**Figure B.4** May 2024 relative humidity observations at Station Pier

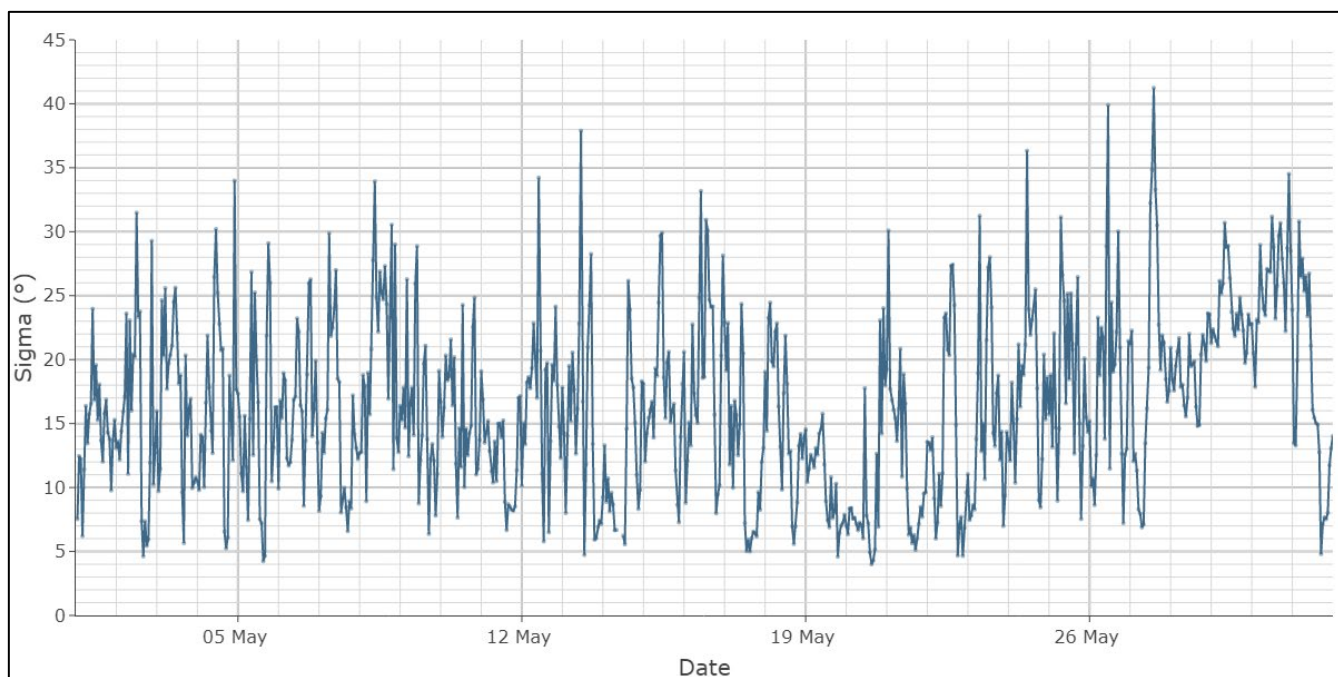


**Figure B.5** May 2024 sigma observations at Station Pier

## B-2-3 PM<sub>10</sub>

The PM<sub>10</sub> data observed at the Station Pier AQMS is presented in Figure B.6, Figure B.7 and Figure B.8, in which:

- Figure B.6:** Presents the 24-hour average PM<sub>10</sub> concentrations observed at the Station Pier AQMS, with hours during which a vessel was present in the port highlighted.
- Figure B.7:** Presents the hourly average PM<sub>10</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.
- Figure B.8:** Two pollution roses presenting data observed when there were no vessels in port, and when there were vessels in port. The pollution rose presents the frequency of occurrence of hourly average PM<sub>10</sub> concentrations in each wind direction for the month.

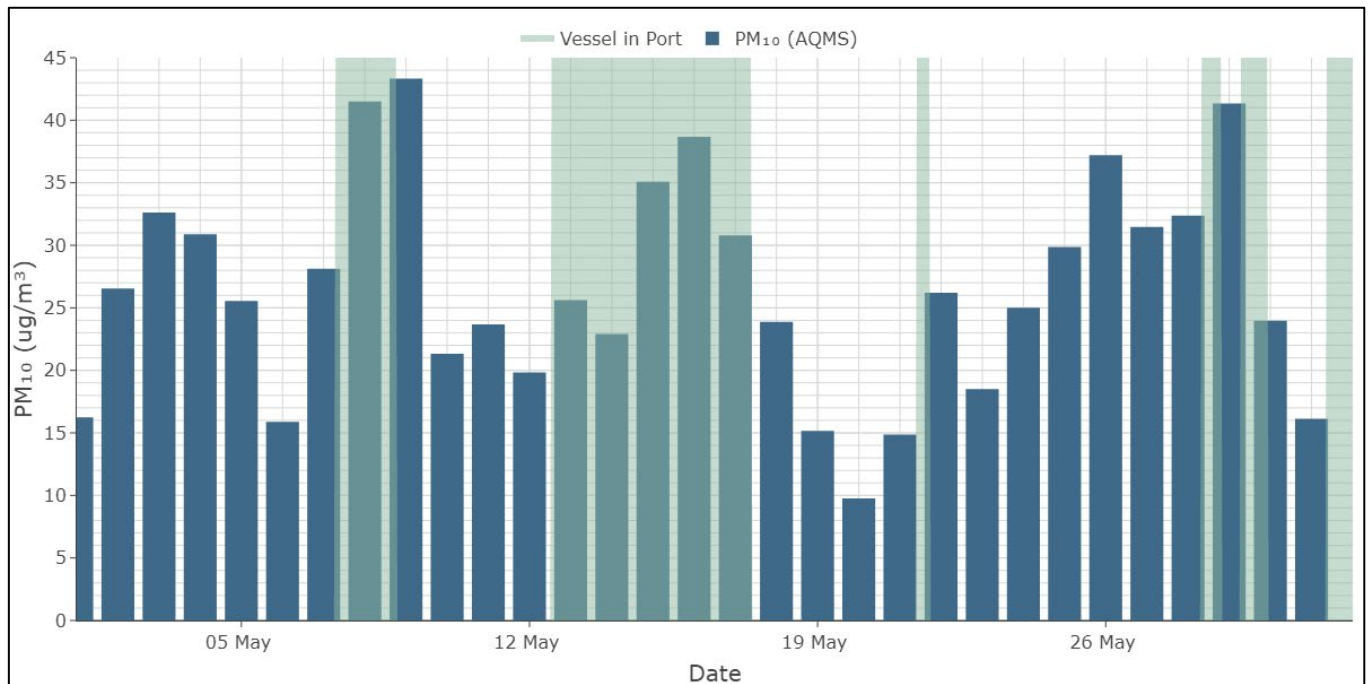


**Figure B.6** 24-hour average PM<sub>10</sub> concentrations (µg/m<sup>3</sup>) at Station Pier (May 2024) (criteria: 50 µg/m<sup>3</sup>)

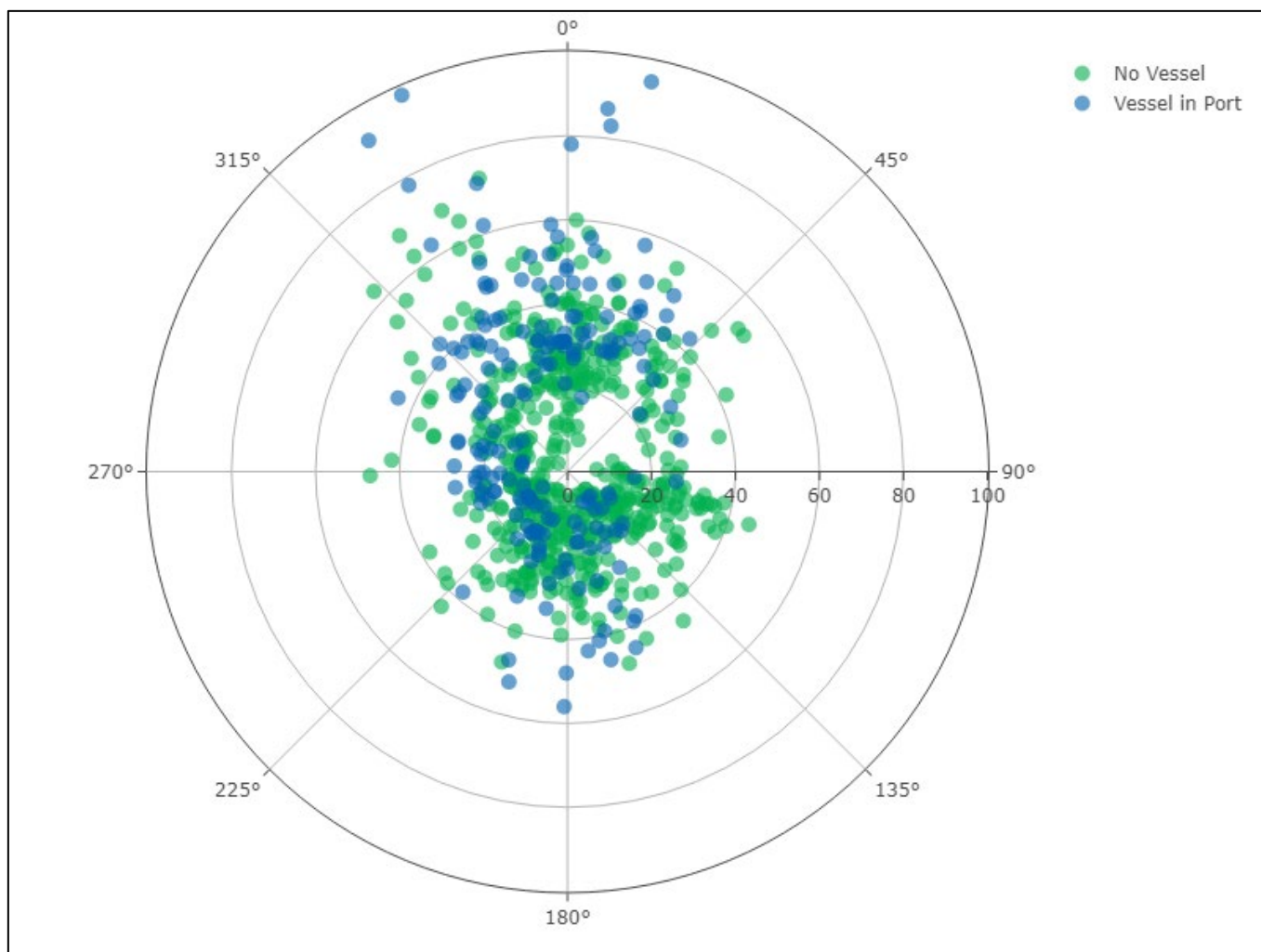


**Figure B.7** Hourly average  $PM_{10}$  concentration ( $\mu g/m^3$ ) by wind direction (May 2024)

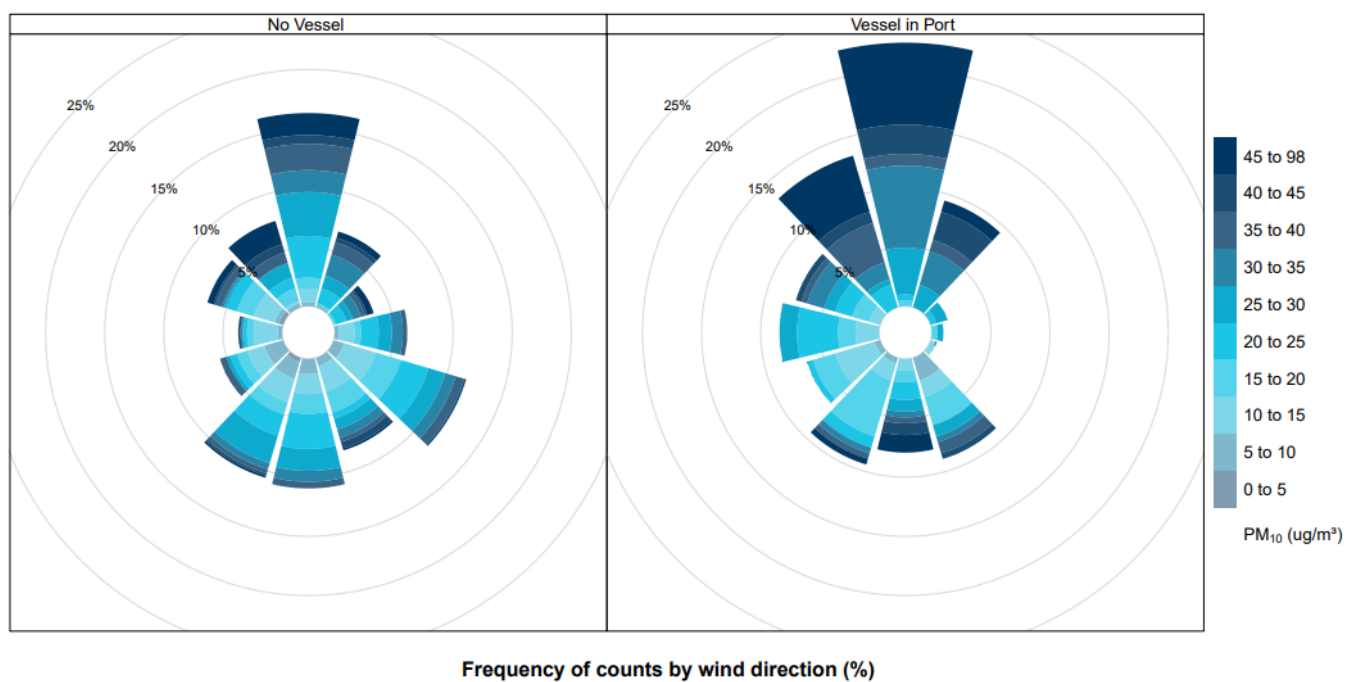


**Figure B.8** Hourly average  $PM_{10}$  concentration ( $\mu g/m^3$ ) pollution roses (May 2024)

## B-2-4 PM<sub>2.5</sub>

The PM<sub>2.5</sub> data observed at the Station Pier AQMS is presented in Figure B.9, Figure B.10 and Figure B.11, in which:

- Figure B.9:** Presents the 24-hour average PM<sub>2.5</sub> concentrations observed at the Station Pier AQMS, with hours during which a vessel was present in the port highlighted.
- Figure B.10:** Presents the hourly average PM<sub>2.5</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.
- Figure B.11:** Two pollution roses presenting data observed when there were no vessels in port, and when there were vessels in port. The pollution rose presents the frequency of occurrence of hourly average PM<sub>2.5</sub> concentrations in each wind direction for the month.

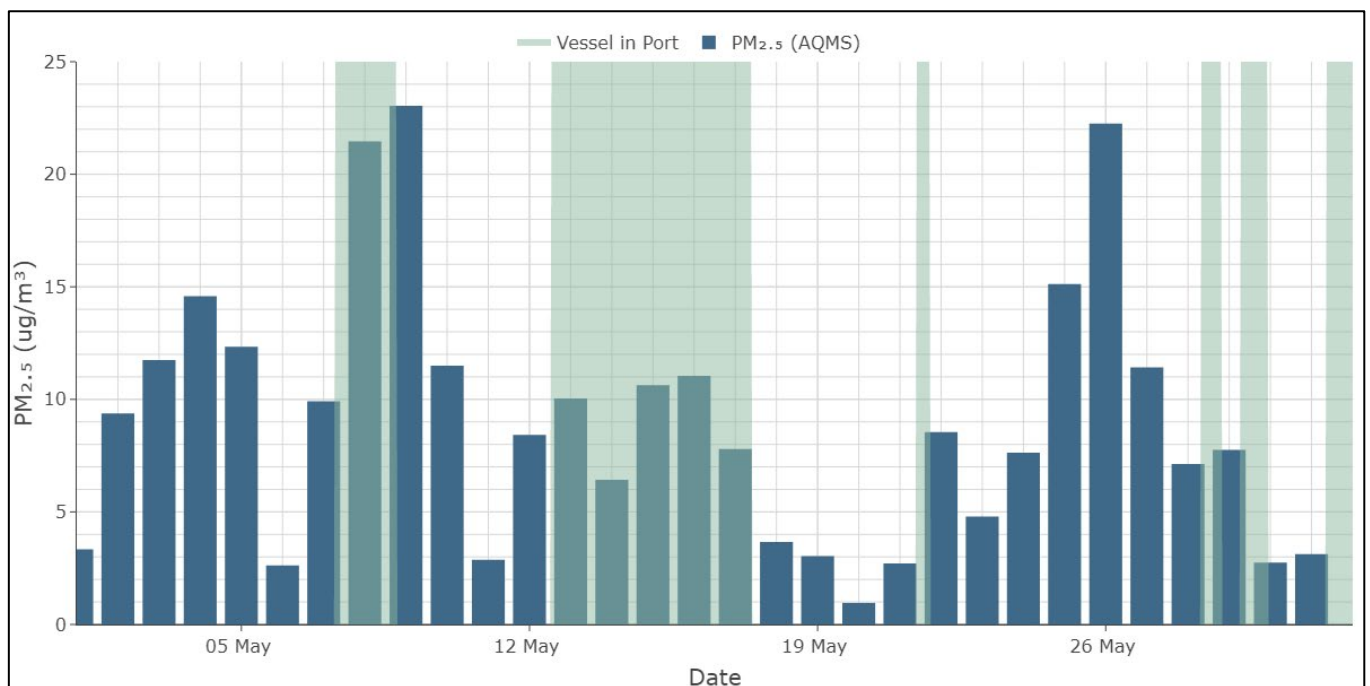


**Figure B.9** 24-hour average PM<sub>2.5</sub> concentrations (µg/m³) at Station Pier (May 2024) (criteria: 25 µg/m³)

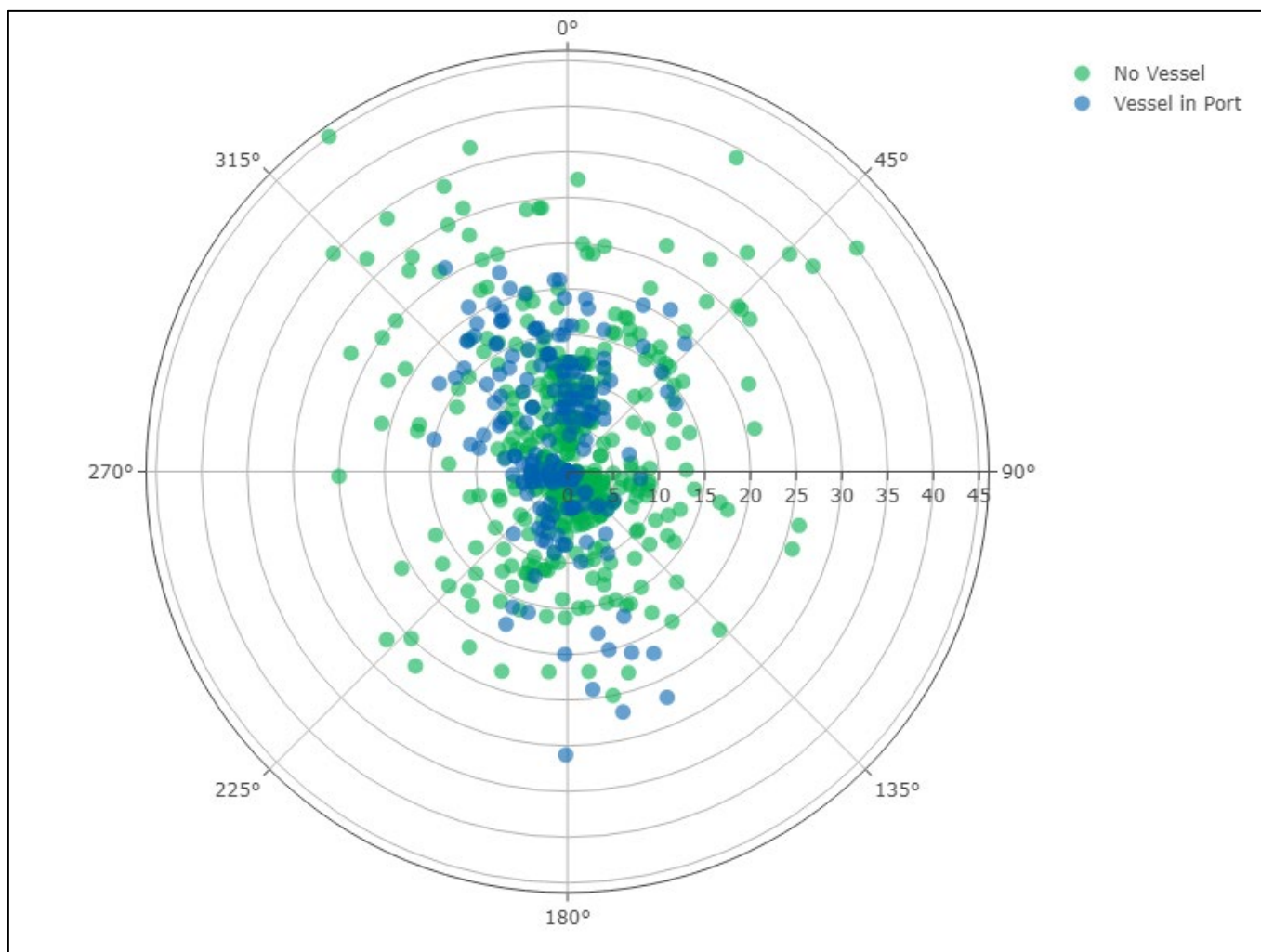


**Figure B.10** Hourly average  $PM_{2.5}$  concentration ( $\mu\text{g}/\text{m}^3$ ) by wind direction (May 2024)

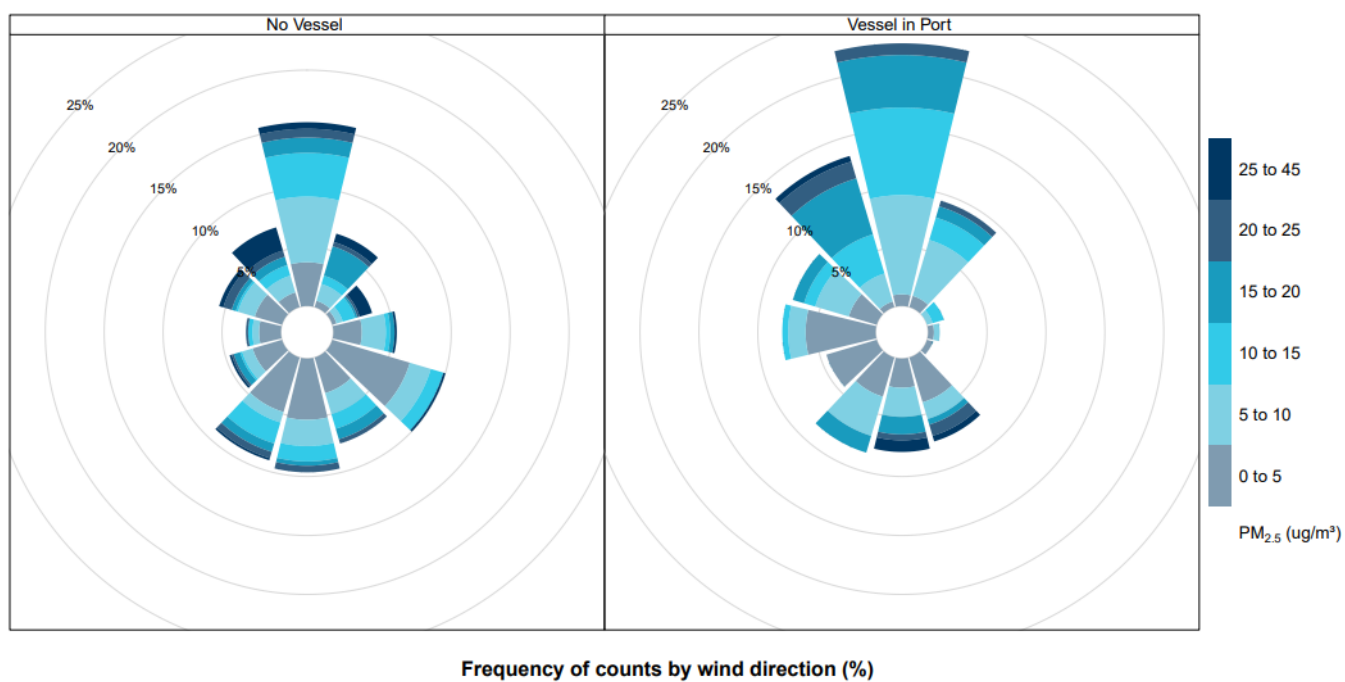


**Figure B.11** Hourly average  $PM_{2.5}$  concentration ( $\mu\text{g}/\text{m}^3$ ) pollution roses (May 2024)

## B-2-5 NO<sub>2</sub>

The NO<sub>2</sub> data observed at the Station Pier AQMS is presented in Figure B.12, Figure B.13 and Figure B.14, in which:

- Figure B.12:** Presents the hourly average NO<sub>2</sub> concentrations observed at the Station Pier AQMS, with hours during which a vessel was present in the port highlighted.
- Figure B.13:** Presents the hourly average NO<sub>2</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.
- Figure B.14:** Two pollution roses presenting data observed when there were no vessels in port, and when there were vessels in port. The pollution rose presents the frequency of occurrence of hourly average NO<sub>2</sub> concentrations in each wind direction for the month.

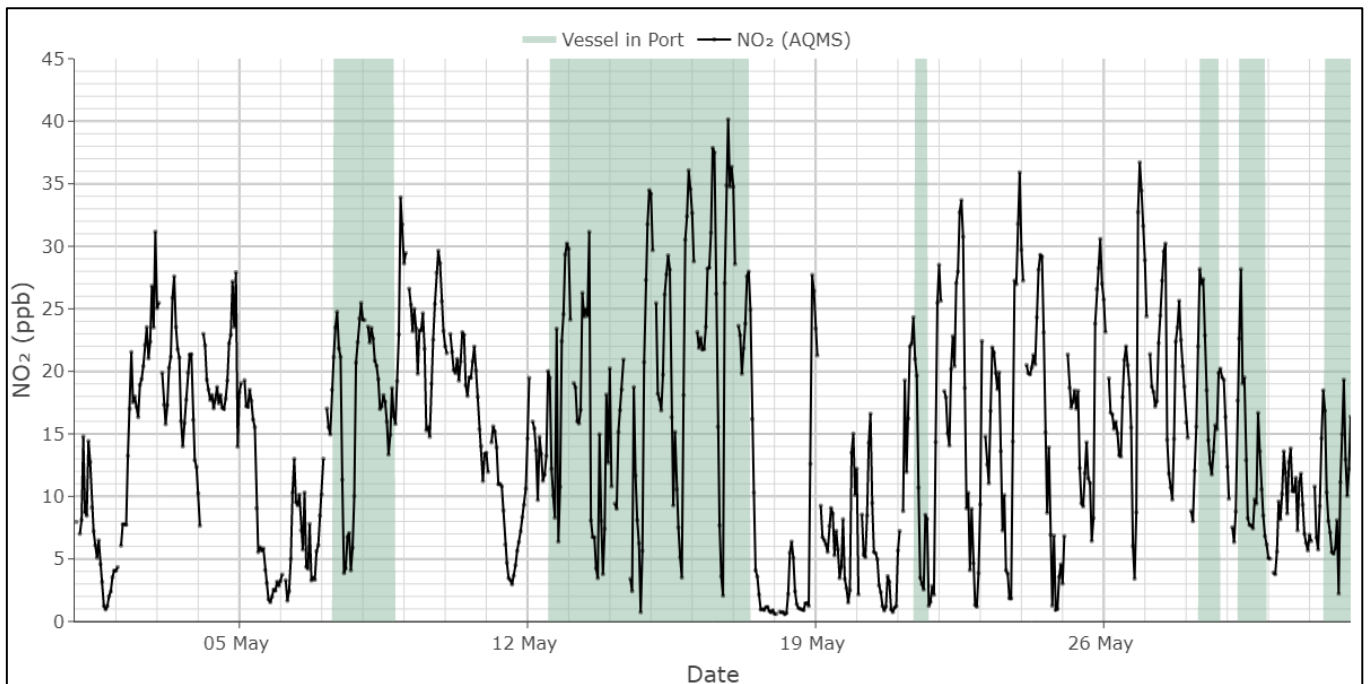


**Figure B.12** Hourly average NO<sub>2</sub> concentrations (ppb) at Station Pier (May 2024) (criteria: 80 ppb)

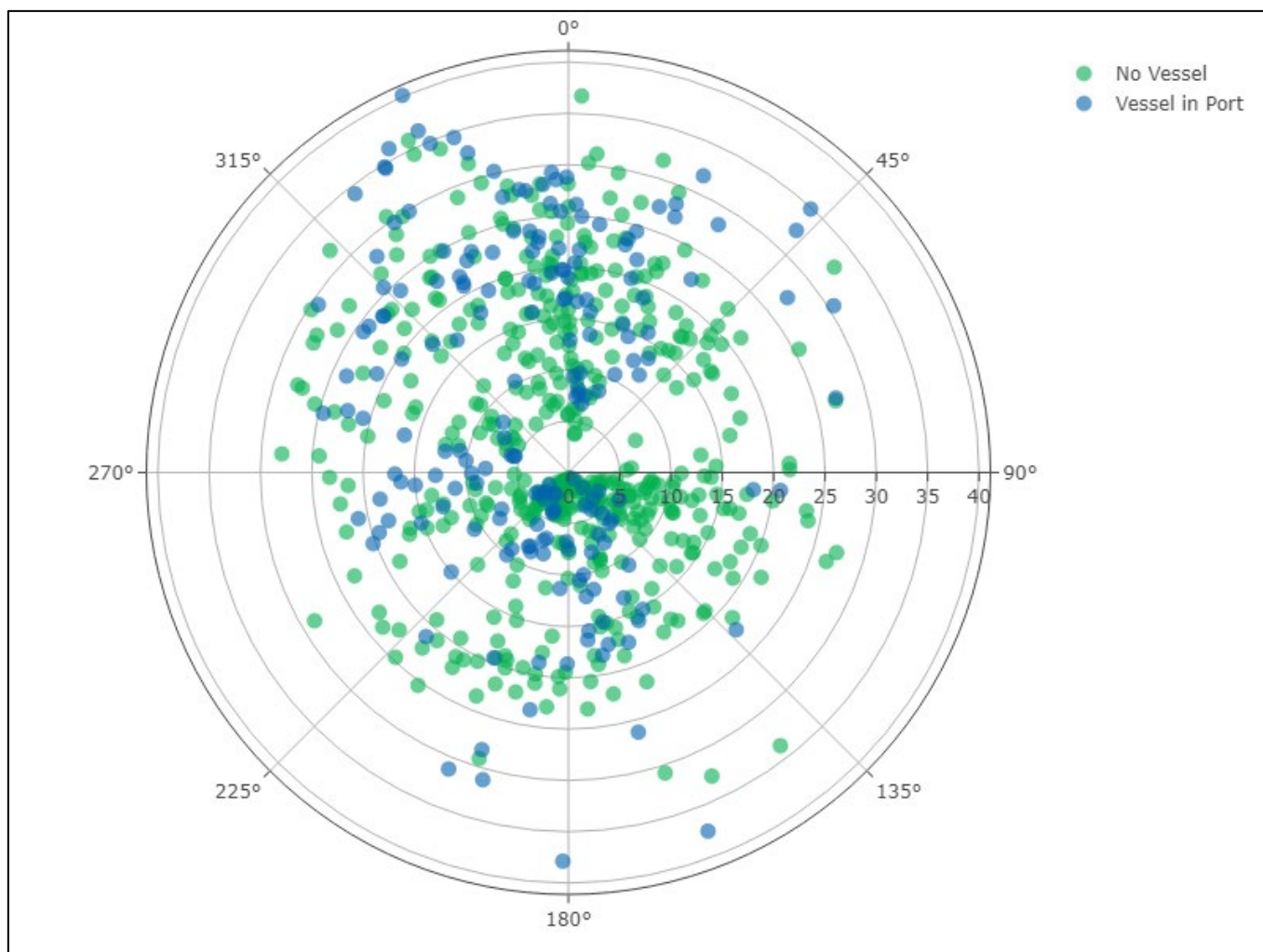
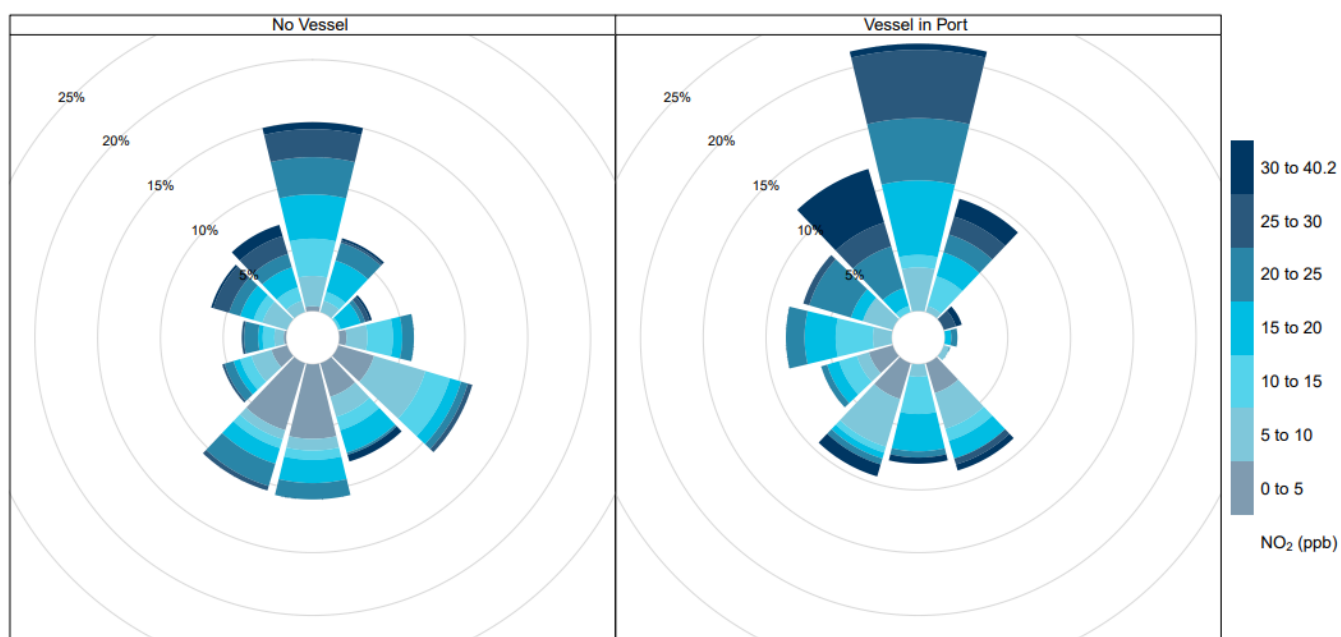


**Figure B.13** Hourly average  $\text{NO}_2$  concentration (ppb) by wind direction (May 2024)



**Frequency of counts by wind direction (%)**

**Figure B.14** Hourly average  $\text{NO}_2$  concentration (ppb) pollution roses (May 2024)

## B-2-6 SO<sub>2</sub>

The SO<sub>2</sub> data observed at the Station Pier AQMS is presented in Figure B.15, Figure B.16, Figure B.17 and Figure B.18, in which:

- Figure B.15:** Presents the hourly average SO<sub>2</sub> concentrations observed at the Station Pier AQMS, with hours during which a vessel was present in the port highlighted.
- Figure B.16:** Presents the hourly average SO<sub>2</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.
- Figure B.17:** Two pollution roses presenting data observed when there were no vessels in port, and when there were vessels in port. The pollution rose presents the frequency of occurrence of hourly average SO<sub>2</sub> concentrations in each wind direction for the month.
- Figure B.18:** Presents the 24-hour average SO<sub>2</sub> concentrations observed at the Station Pier AQMS, with hours during which a vessel was present in the port highlighted.

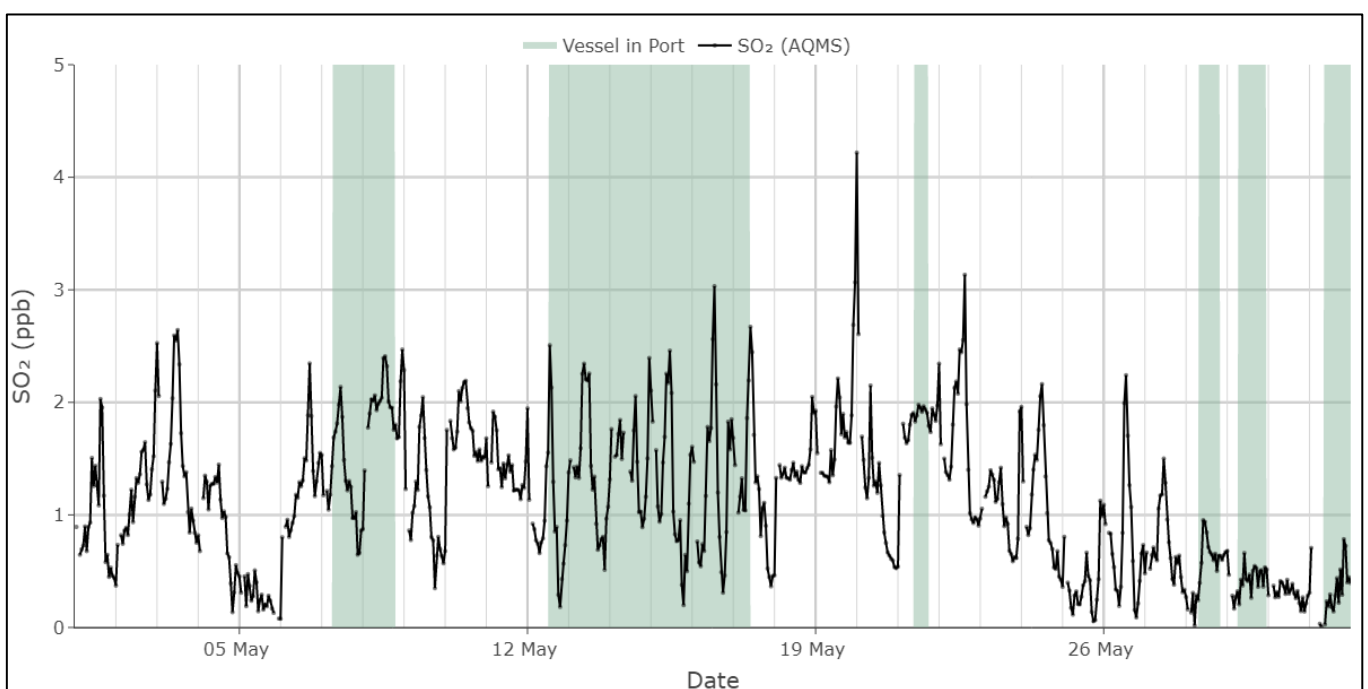


**Figure B.15** Hourly average SO<sub>2</sub> concentrations (ppb) at Station Pier (May 2024) (criteria: 75 ppb)

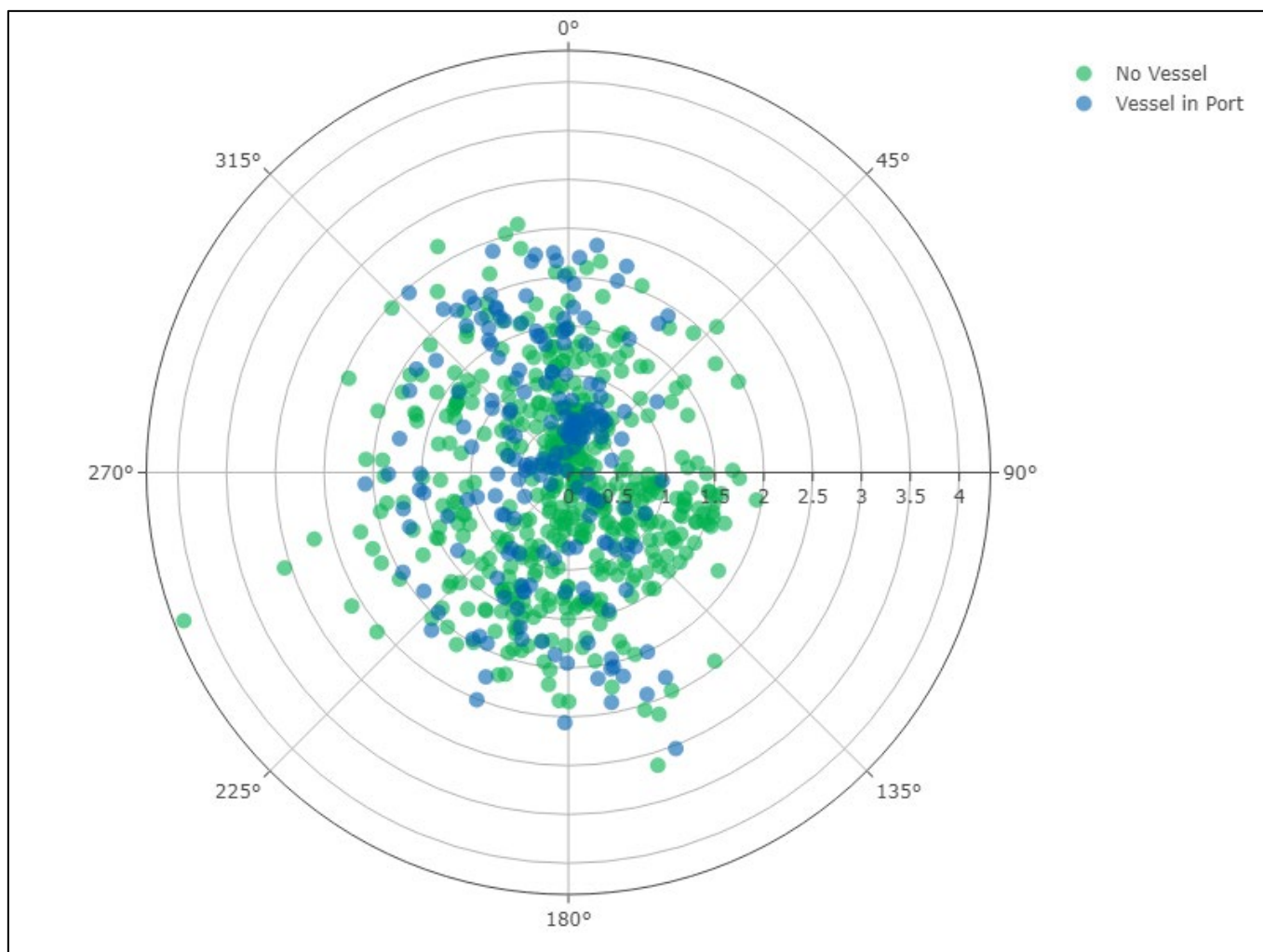


**Figure B.16**      *Hourly average SO<sub>2</sub> concentration (ppb) by wind direction (May 2024)*

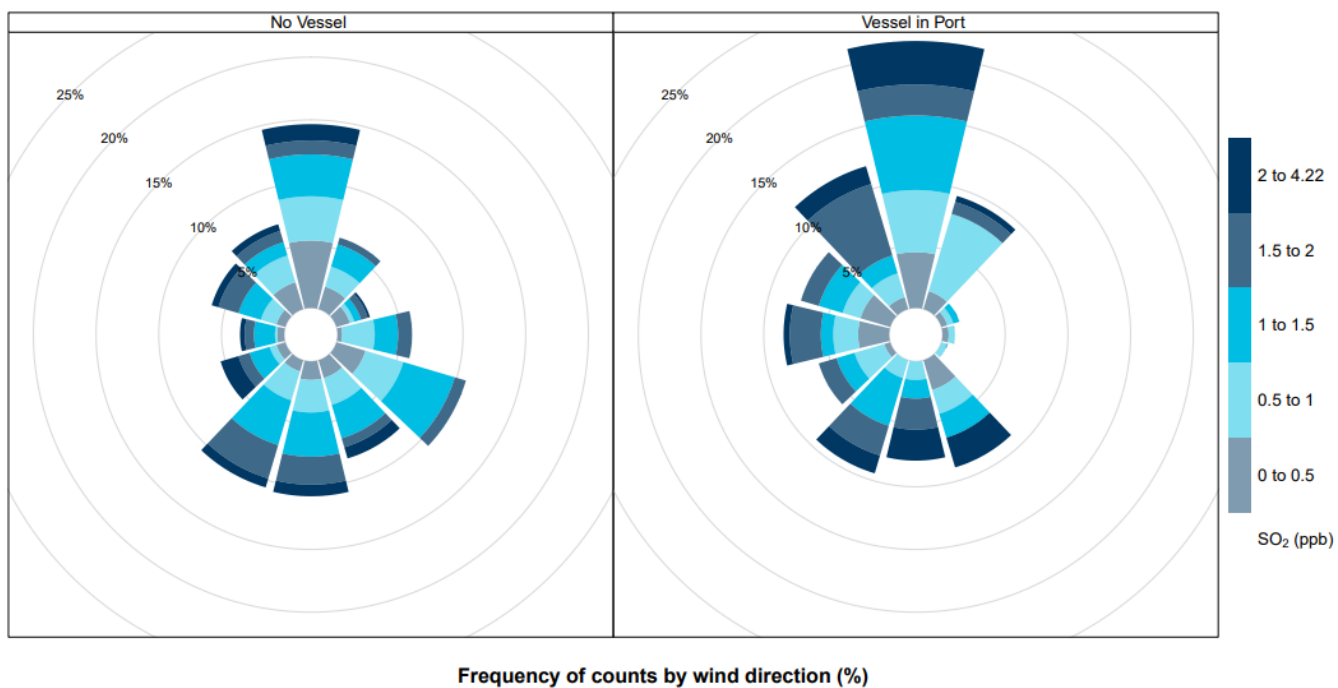


**Figure B.17**      *Hourly average SO<sub>2</sub> concentration (ppb) pollution roses (May 2024)*

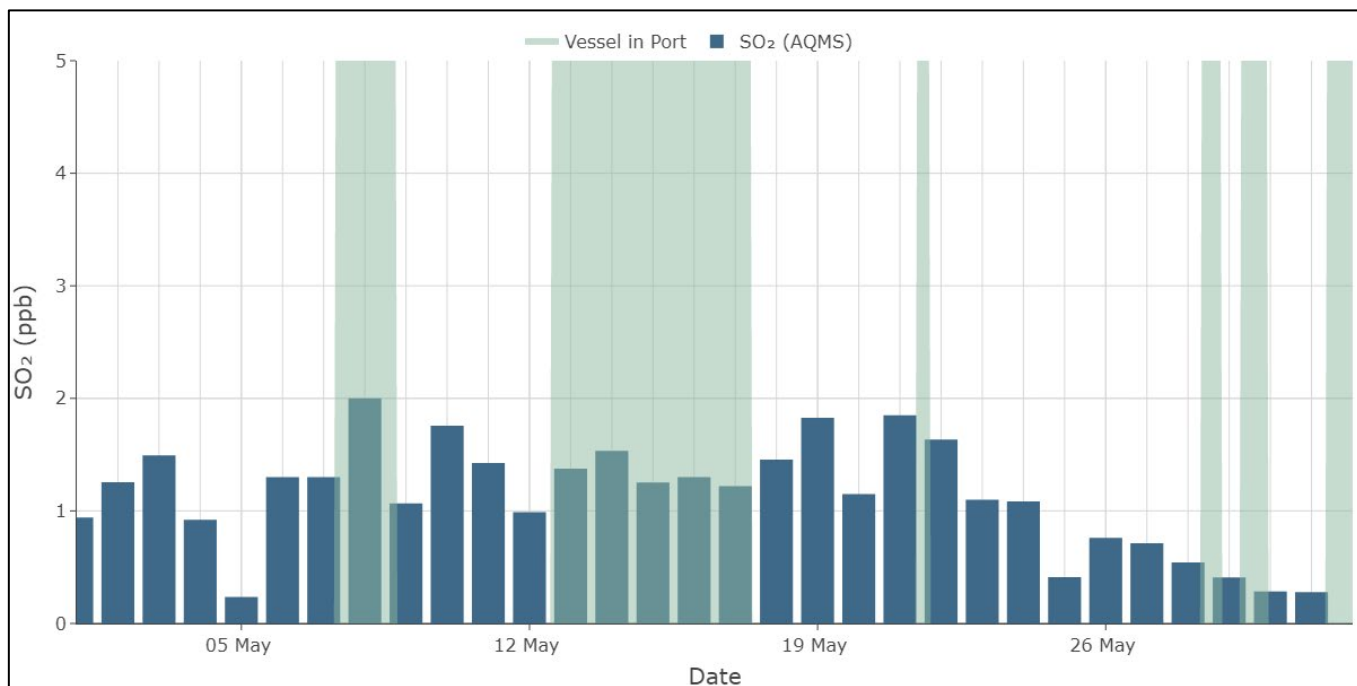


**Figure B.18** 24-hour average SO<sub>2</sub> concentrations (ppb) at Station Pier (May 2024) (criteria: 20 ppb)

## B-3 Data analysis

Analysis of the data collected by the Station Pier AQMS has been conducted for each pollutant including comparison against:

- observations from the nearby EPA Stations (Altona North, Spotswood, Kingsville, Footscray, Brooklyn, Melbourne CBD)
- the adopted criteria (as per Table 2)
- port activity (presence or absence of vessels)
- other impacts to air quality

The assessed EPA locations were selected as they are considered representative of regional air quality. This analysis allows for comparison against ambient air quality across the local region, and identification of potential risk to the receiving environment. It is important to note that while comparison between Station Pier observations and observations at the local EPA Stations has been undertaken, all EPA Stations are in different areas and are influenced by the local air quality environment including nearby sources of air pollution. Correlation (or lack thereof) between observations does not provide an indication of data quality or 'correctness' but rather an indication of variability across the region.

It is important to note that the EPA Station data used in this report has been collected from the EPA website and has not been through a quality assurance / quality control procedure.

## B-3-1 PM<sub>10</sub>

### Station Pier AQMS observations

The 24-hour average PM<sub>10</sub> concentrations observed at the Station Pier AQMS are presented in Figure B.19 alongside observations from the local EPA Stations and the adopted criterion.

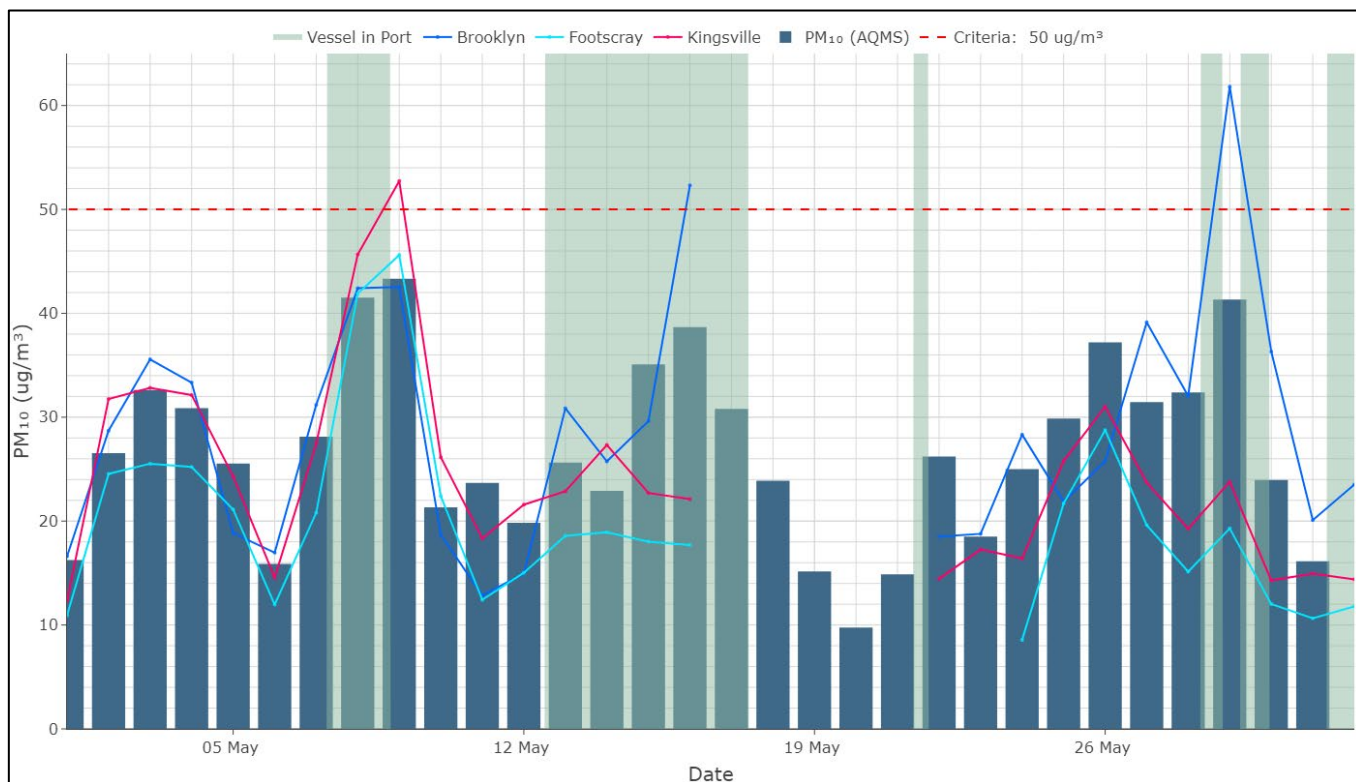


**Figure B.19** 24-hour average PM<sub>10</sub> concentrations (µg/m<sup>3</sup>) at Station Pier and local EPA stations (May 2024) (criteria: 50 µg/m<sup>3</sup>)

Correlation between the 24-hour average Station Pier observations and local EPA station observations is presented in Table B.3. Positive correlation (>0.7) was observed between the Station Pier observations and the EPA station observations for Footscray and Brooklyn EPA stations. Some correlation (0.69) was observed between the Station Pier observations and the EPA station observations at Kingsville.

All concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 43.3 µg/m<sup>3</sup>, which is 13.3% below the criterion, observed on 9 May. On 9 May, elevated PM<sub>10</sub> concentrations were also observed on this day at EPA Stations located at Brooklyn, Kingsville and Footscray. The higher levels of PM<sub>10</sub> observed at both Station Pier AQMS and EPA Stations indicate that there was likely a regional emission source(s) contributing to elevated levels, rather than a localised source.

**Table B.3** Comparison between 24-hour average PM<sub>10</sub> Station Pier observations and local EPA station observations

| EPA Station | Correlation coefficient (r) |
|-------------|-----------------------------|
| Kingsville  | 0.69                        |
| Footscray   | 0.70                        |
| Brooklyn    | 0.79                        |

## B-3-2 PM<sub>2.5</sub>

### Station Pier AQMS observations

The 24-hour average PM<sub>2.5</sub> concentrations observed at the Station Pier AQMS are presented in Figure B.20 alongside observations from the local EPA Stations and the adopted criterion.

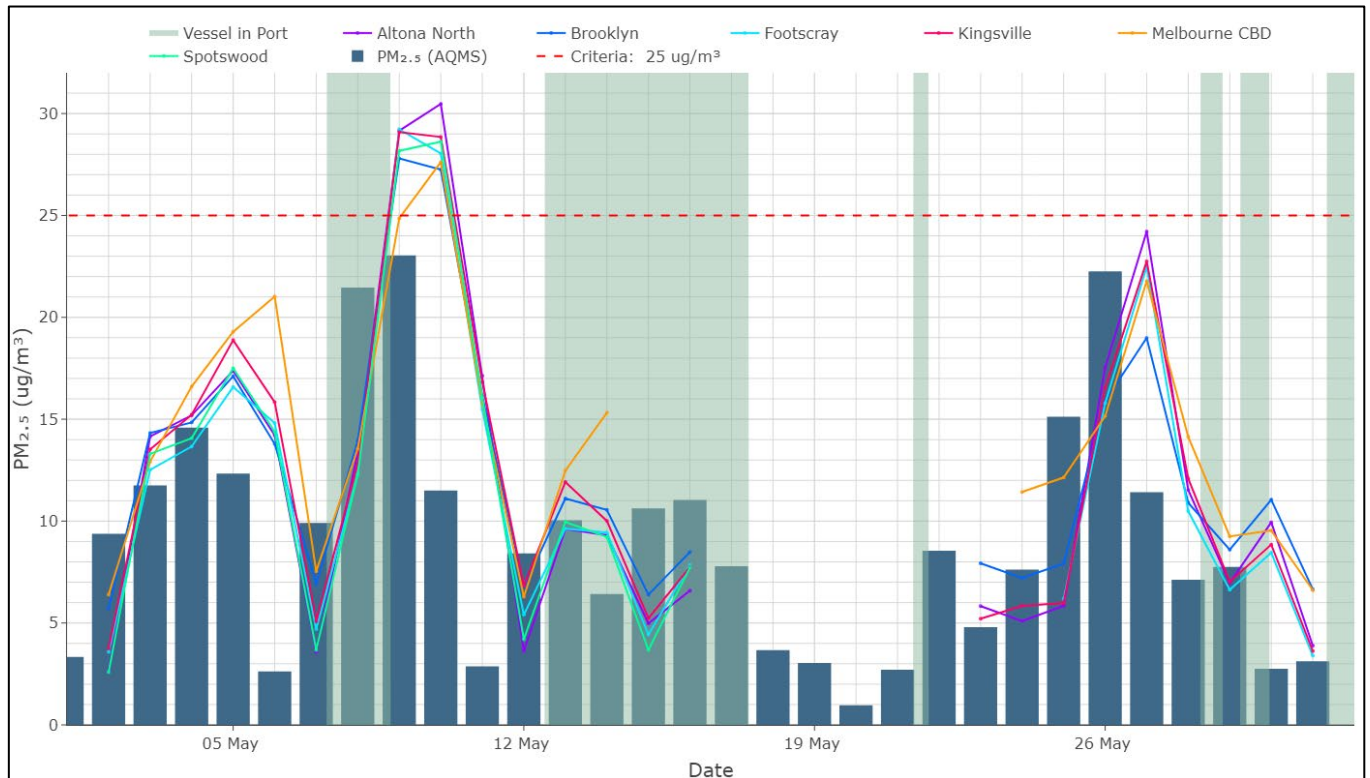


**Figure B.20** 24-hour average PM<sub>2.5</sub> concentrations (µg/m<sup>3</sup>) at Station Pier and local EPA stations (May 2024) (criteria: 25 µg/m<sup>3</sup>)

Correlation between the 24-hour average Station Pier observations and local EPA Stations observations is presented in Table B.4. Minimal correlation (less than 0.5) was observed between the Station Pier observations and the EPA station observations for all EPA Stations.

All concentrations were below the adopted criterion, with the maximum 24-hour average concentration of 23.0 µg/m<sup>3</sup>, which was 7.8% below the criterion, observed on 9 May. On 9 May, elevated PM<sub>2.5</sub> concentrations were also observed at EPA Stations located at Altona North, Brooklyn, Footscray, Kingsville, Melbourne CBD, and Spotswood. The higher levels of PM<sub>2.5</sub> observed at both Station Pier AQMS and EPA Stations indicate that there was likely a regional emission source(s) contributing to elevated levels rather than a localised source.

**Table B.4** Comparison between 24-hour average PM<sub>2.5</sub> Station Pier observations and local EPA Stations observations

| EPA Station   | Correlation coefficient (r) |
|---------------|-----------------------------|
| Altona North  | 0.43                        |
| Spotswood     | 0.36                        |
| Kingsville    | 0.43                        |
| Footscray     | 0.41                        |
| Brooklyn      | 0.46                        |
| Melbourne CBD | 0.33                        |

## B-3-3 NO<sub>2</sub>

### Station Pier AQMS observations

The hourly average NO<sub>2</sub> concentrations observed at the Station Pier AQMS are presented in Figure B.21 alongside observations from the local EPA Station and the adopted criterion.

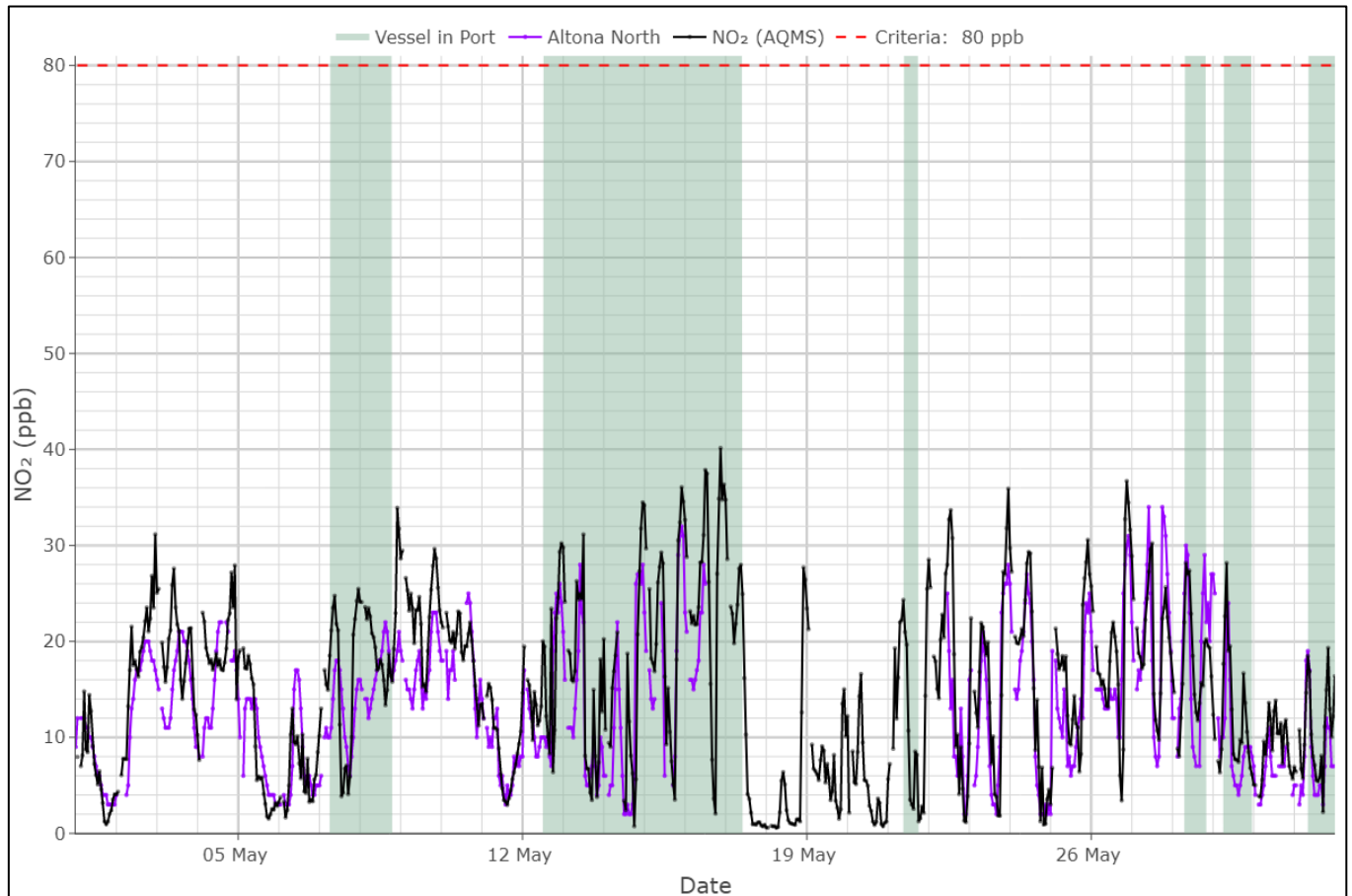


**Figure B.21** Hourly average NO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA Station (May 2024) (criteria: 80 ppb)

Some positive correlation (0.79) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 40.1 ppb, which is 50% below the criterion.

## B-3-4 SO<sub>2</sub>

### Station Pier AQMS observations

The hourly average SO<sub>2</sub> concentrations observed at the Station Pier AQMS are presented in Figure B.22 alongside observations from the local EPA Station and the adopted criterion.

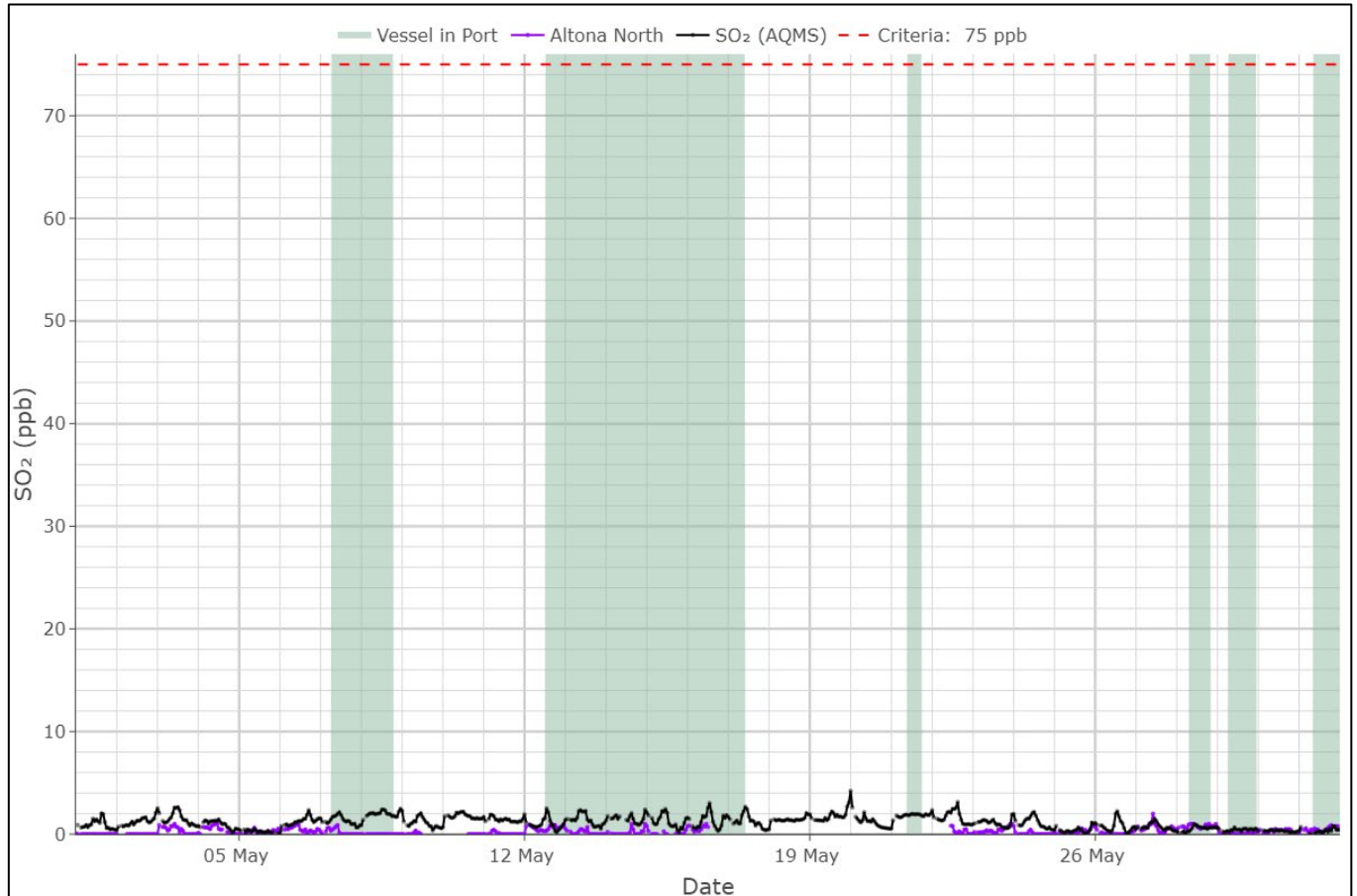


**Figure B.22** Hourly average SO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA stations (May 2024) (criteria: 75 ppb)

Minimal correlation (-0.03) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 4.2 ppb, which is 94% below the criterion.

The 24-hour average SO<sub>2</sub> concentrations observed at the Station Pier AQMS are presented in Figure B.23 alongside observations from the local EPA Station and the adopted criterion.

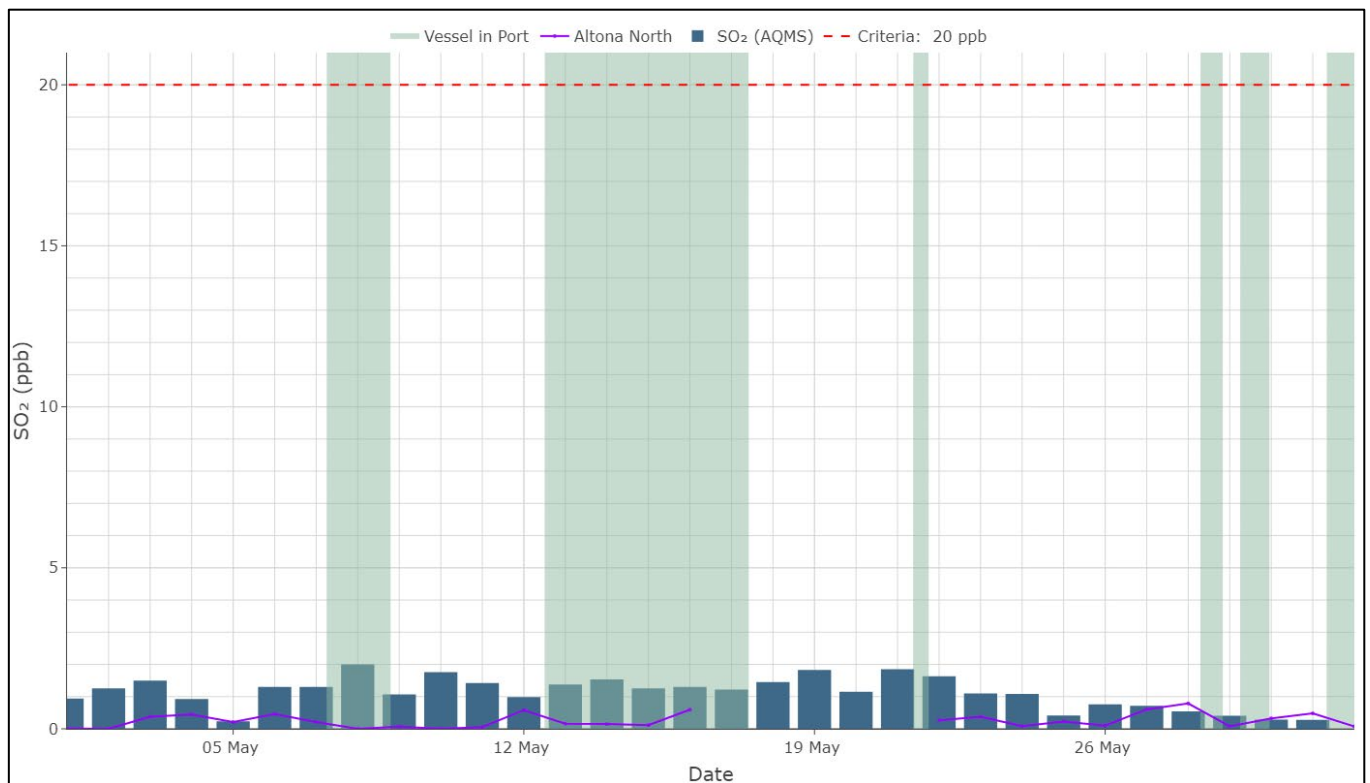


**Figure B.23** 24-hour average SO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA Station (May 2024) (criteria: 20 ppb)

Minimal correlation (-0.33) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 2.0 ppb, which is 90% below the criterion.

## B-3-5 Port activity

The vessels present at the port during May 2024 are detailed in Table B.5.

**Table B.5** Vessels present at Station Pier during May 2024

| Ship name          | Arrival          | Departure        |
|--------------------|------------------|------------------|
| ICS Allegiance (T) | 7/05/2024 6:28   | 8/05/2024 17:00  |
| HMAS Rankin        | 12/05/2024 12:49 | 17/05/2024 8:45  |
| ICS Allegiance (T) | 15/05/2024 5:31  | 15/05/2024 18:30 |
| ICS Allegiance (T) | 16/05/2024 8:30  | 16/05/2024 14:00 |
| ICS Allegiance (T) | 21/05/2024 9:08  | 21/05/2024 16:37 |
| ICS Allegiance (T) | 28/05/2024 7:03  | 28/05/2024 18:30 |
| ICS Allegiance (T) | 29/05/2024 6:46  | 29/05/2024 21:00 |
| ICS Allegiance (T) | 31/05/2024 8:08  | 1/06/2024 0:59   |

The number of vessels present at the port at the time of the maximum hourly concentrations of each pollutant are shown in Figure B.24. The maximum PM<sub>2.5</sub> and SO<sub>2</sub> concentrations occurred when there were no vessels present at the port. The maximum PM<sub>10</sub> and NO<sub>2</sub> concentrations occurred when there was one vessel present at the port.

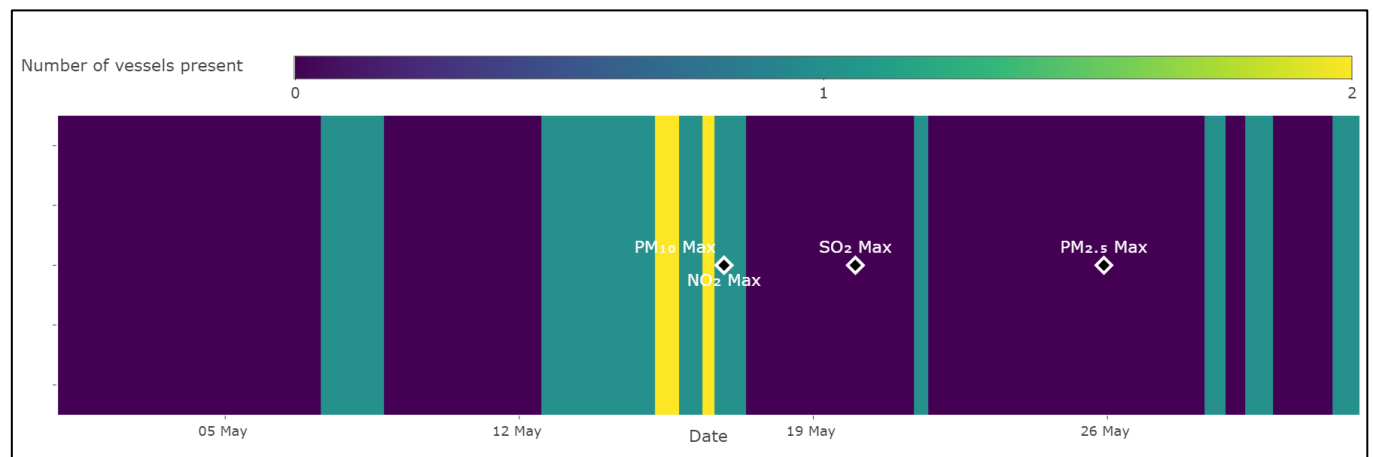


**Figure B.24** Number of vessels present compared against maximum concentration observations

The average concentrations for each pollutant have been compared against hourly vessel presence in Table B.6.

**Table B.6** Comparison of average concentration against vessel presence

| Pollutant         | Proportion of vessel presence during monitoring | Average concentration  |                        |
|-------------------|-------------------------------------------------|------------------------|------------------------|
|                   |                                                 | No vessel              | Vessel in port         |
| PM <sub>10</sub>  | 27%                                             | 24.8 µg/m <sup>3</sup> | 31.4 µg/m <sup>3</sup> |
| PM <sub>2.5</sub> | 28%                                             | 9.3 µg/m <sup>3</sup>  | 9.9 µg/m <sup>3</sup>  |
| NO <sub>2</sub>   | 28%                                             | 13.5 ppb               | 17.6 ppb               |
| SO <sub>2</sub>   | 28%                                             | 1.1 ppb                | 1.2 ppb                |

### **Notable port activity – HMAS Rankin navy submarine**

The HMAS Rankin navy submarine (HMAS Rankin) was berthed at Station Pier between 12 May 2024 12:49 and 17 May 2024 08:45. During the time the HMAS Rankin was berthed at Station Pier, 'snorting' of the vessel occurred on three occasions listed as follows:

- 12 May between 16:30 – 19:00
- 14 May between 13:10 – 17:55
- 16 May between 19:35 – 00:35

It is understood that the 'snorting' of the vessel was related to running diesel engines to charge the on-board batteries. Figure B.25 presents a photograph of a 'snorting' event from the HMAS Rankin while at berth.



**Figure B.25**      *Photograph of a 'snorting' event from the HMAS Rankin while at berth at Station Pier*

The effects of 'snorting' events were investigated using Figure B.26 through Figure B.30, in which:

- Figure B.26:** Presents the hourly average  $PM_{10}$  concentrations observed at Station Pier AQMS. Hours during which the HMAS Rankin was 'snorting' are highlighted.
- Figure B.27:** Presents the hourly average  $PM_{10}$  concentrations observed at the average wind direction for that hour. The data presented here are hourly  $PM_{10}$  measured at the AQMS between 12 and 19 May. Magenta points indicating the hourly average  $PM_{10}$  observations during the 'snorting' events.
- Figure B.28:** Presents the hourly average  $PM_{2.5}$  concentrations observed at Station Pier AQMS. Hours during which the HMAS Rankin was 'snorting' are highlighted.
- Figure B.29:** Presents the hourly average  $NO_2$  concentrations observed at Station Pier AQMS. Hours during which the HMAS Rankin was 'snorting' are highlighted.
- Figure B.30:** Presents the hourly average  $SO_2$  concentrations observed at Station Pier AQMS, compared against the adopted criterion. Hours during which the HMAS Rankin was 'snorting' are highlighted.

Based on Figure B.26 through Figure B.30, the following were observed:

- Of the three occasions, the effect of 'snorting' event between 16 May 19:35 and 17 May 00:35 was most prominent on the Station Pier AQMS. However, this particular "snorting" event did not contribute to a significant increase in  $PM_{10}$ ,  $PM_{2.5}$ ,  $NO_2$ , and  $SO_2$  concentrations in the ambient air.
- All three of the 'snorting' events did not contribute to a significant increase in  $PM_{10}$ ,  $PM_{2.5}$ ,  $NO_2$ , and  $SO_2$  concentrations in the ambient air and did not exceed their respective criteria.

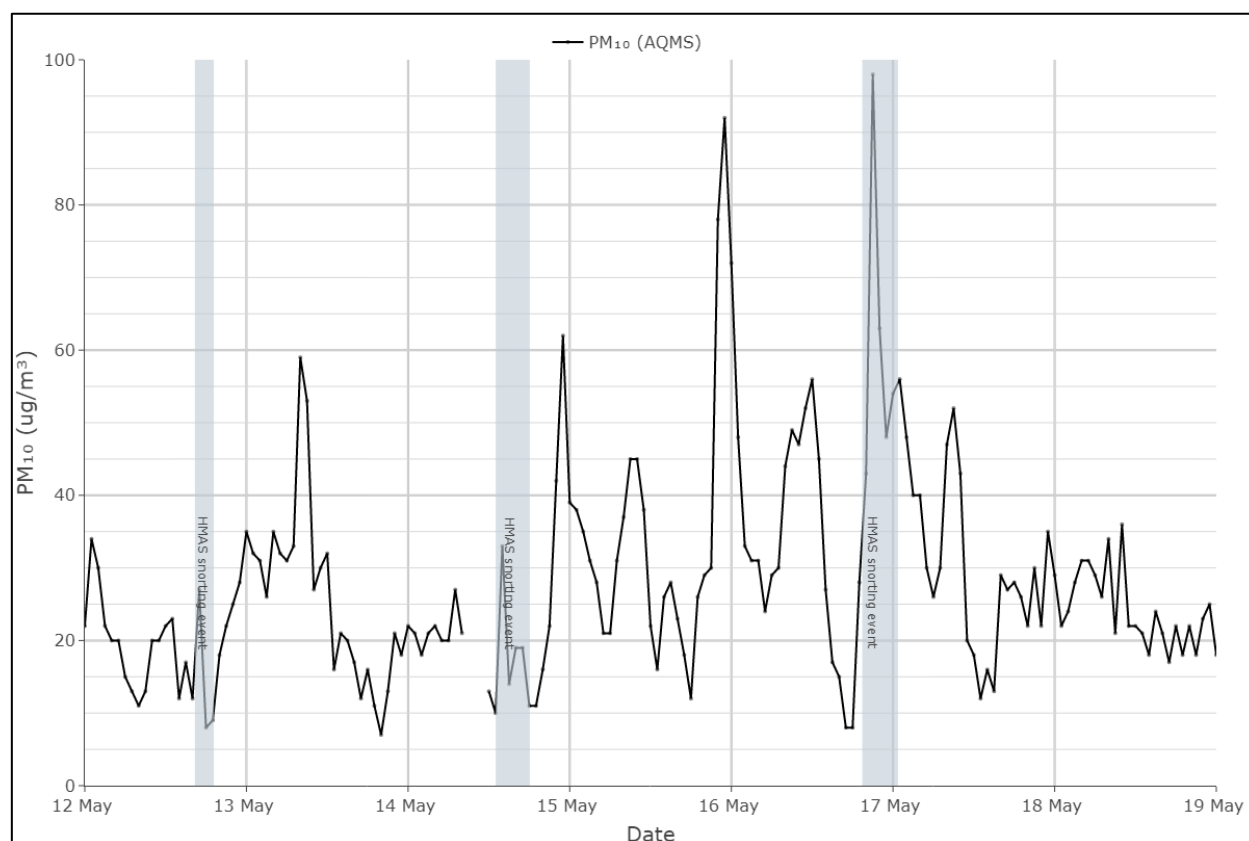


**Figure B.26** Hourly average  $PM_{10}$  concentrations ( $\mu g/m^3$ ) at Station Pier during 'snorting' events

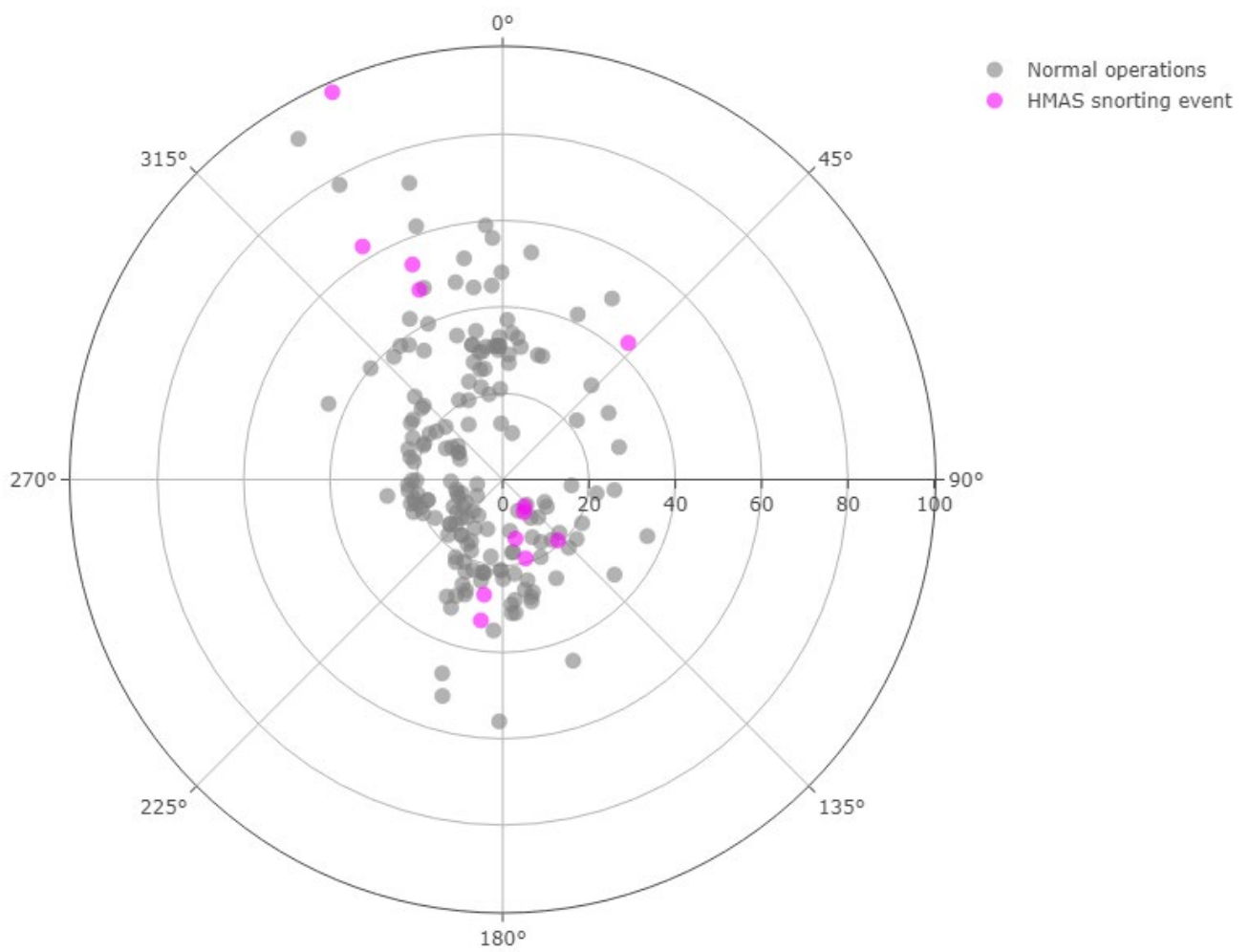


**Figure B.27** Hourly average  $\text{PM}_{10}$  concentration ( $\mu\text{g}/\text{m}^3$ ) observed at AQMS between 12 and 19 May by wind direction (May 2024)

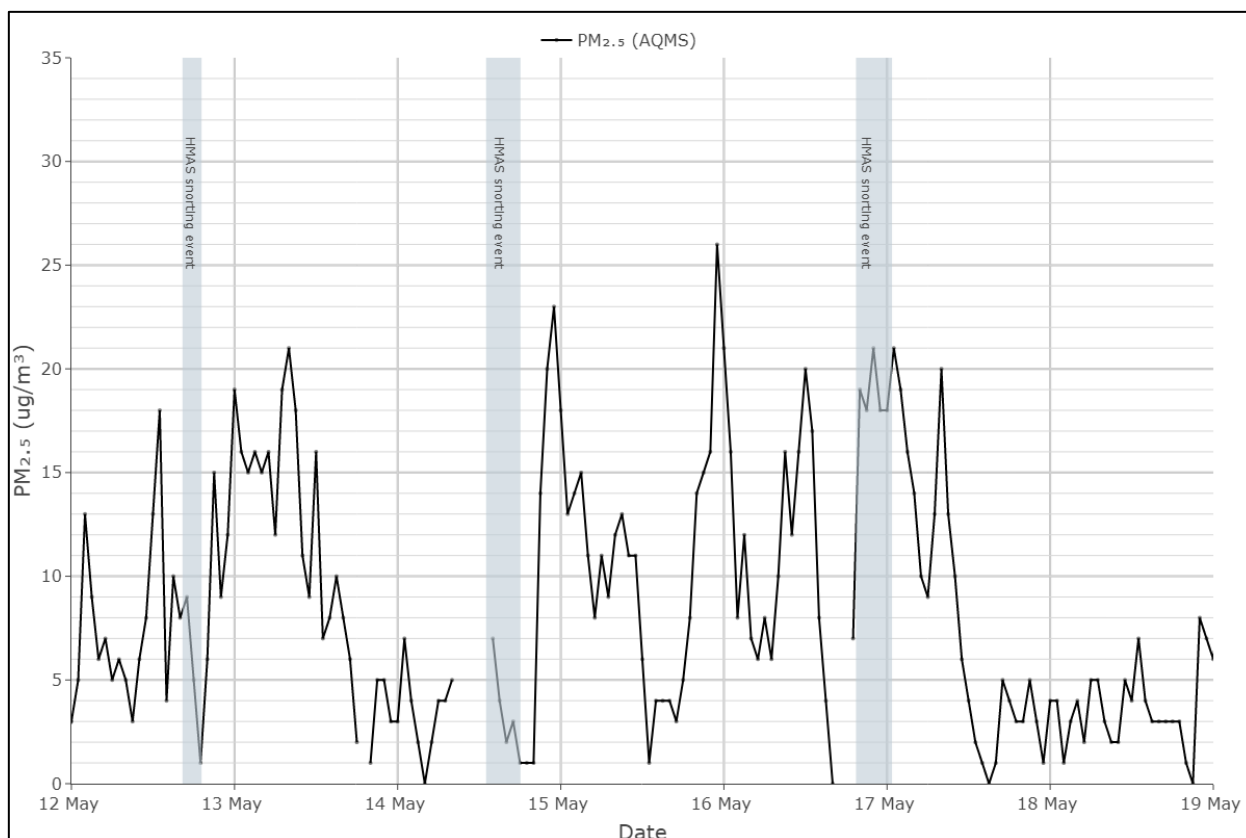


**Figure B.28** Hourly average  $PM_{2.5}$  concentrations ( $\mu g/m^3$ ) at Station Pier during 'snorting' events

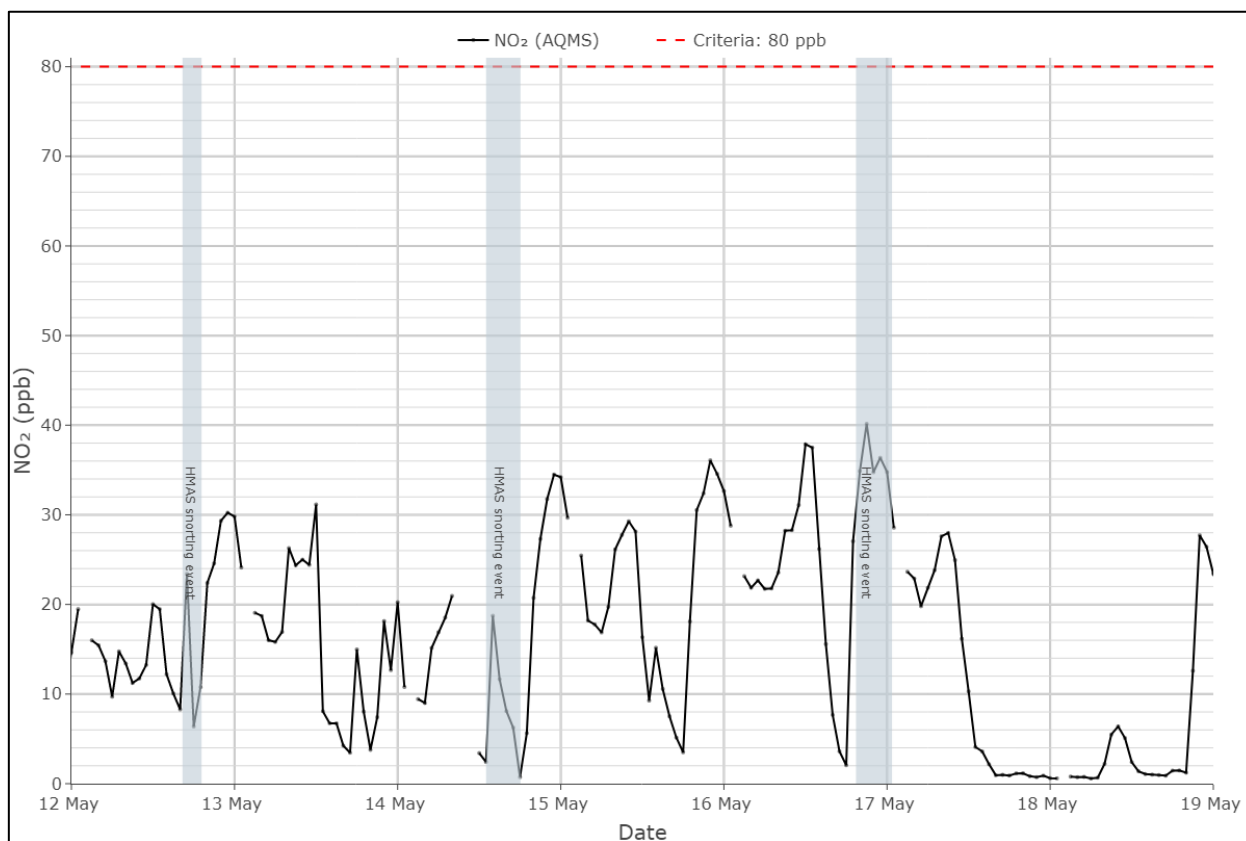


**Figure B.29** Hourly average  $NO_2$  concentrations ( $\mu g/m^3$ ) at Station Pier during 'snorting' events

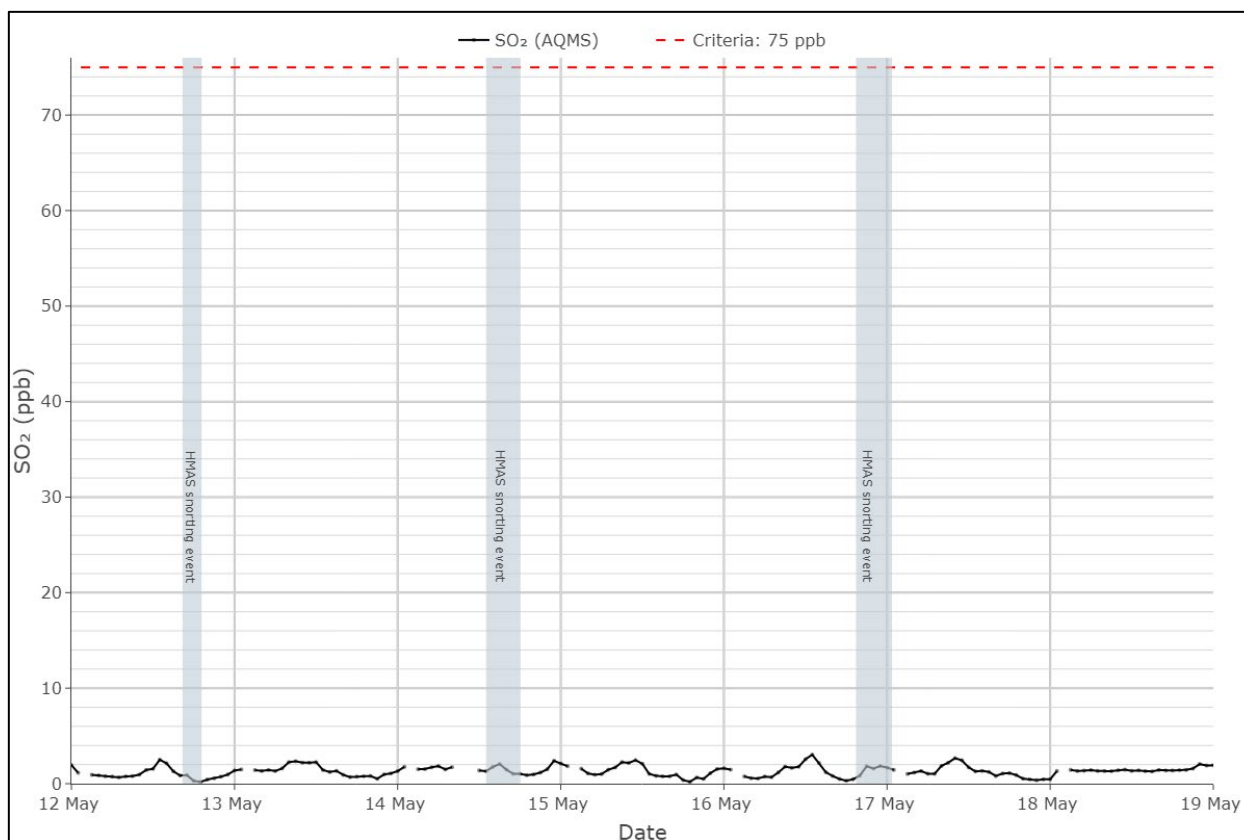


**Figure B.30** Hourly average SO<sub>2</sub> concentrations (µg/m<sup>3</sup>) at Station Pier during 'snorting' events

## B-3-6 Other impacts to air quality

### **Planned Burns**

Smoke from burning can lead to increased particulate matter observations and would likely impact EPA observations as well as those at Station Pier. Reports of bushfires and planned burns across Victoria have been reviewed to identify other potential impacts to air quality (Forest Fire Management Victoria, 2024). Events which likely increased particulate matter observations are the planned burns which were reported to take place around Victoria on 7-11 May 2024 at the following locations:

- Gippsland
- Cobbannah – Calajero Divide Track
- Labertouche – Robertson Creek
- Drumborg
- Blacks Creek Nature Conservation Reserve – Skipton
- Wombat State Forest – Babbingtons Road, Lyonville

## B-4 Summary

The Station Pier AQMS commenced operation on 4 December 2023 and collects both meteorological and air quality parameters including wind speed, wind direction, temperature, relative humidity, sigma, PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, and SO<sub>2</sub> concentrations. Data from May 2024 has been reviewed by ACOEM and the NATA accredited results are presented in this report.

### **Station Pier AQMS**

All observations of PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub> and SO<sub>2</sub> during the month of May 2024 were lower than the adopted short term criteria (1-hour and 24-hour).

On 9 May when higher levels of particulate matter concentrations (PM<sub>10</sub> and PM<sub>2.5</sub>) were observed at Station Pier, elevated particulate concentrations were also observed at EPA Stations, indicating a regional emission source(s), rather than a localised source, contributing to elevated particulate matter levels occurring on same days across EPA stations and Station Pier AQMS.

### **HMAS Rankin navy submarine**

The HMAS Rankin navy submarine (HMAS Rankin) was berthed at Station Pier between 12 May 2024 12:49 and 17 May 2024 08:45. During the time the HMAS Rankin was berthed at Station Pier, 'snorting' of the vessel occurred on three occasions listed as follows:

- 12 May between 16:30 – 19:00
- 14 May between 13:10 – 17:55
- 16 May between 19:35 – 00:35

All three of the 'snorting' events did not contribute to significant increase in PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub> and SO<sub>2</sub> concentrations in the ambient air and the concentrations did not exceed their respective criteria.

# **Appendix C**

**Data analysis – long term**

## C-1 PM<sub>10</sub>

The PM<sub>10</sub> data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 May 2024) is presented in Figure C.1 and Figure C.2, in which:

- Figure C.1:** Presents the 24-hour average PM<sub>10</sub> concentrations observed at the Station Pier AQMS, alongside observations from the local EPA Stations. Hours during which a vessel was present in the port highlighted.
- Figure C.2:** Presents the hourly average PM<sub>10</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.

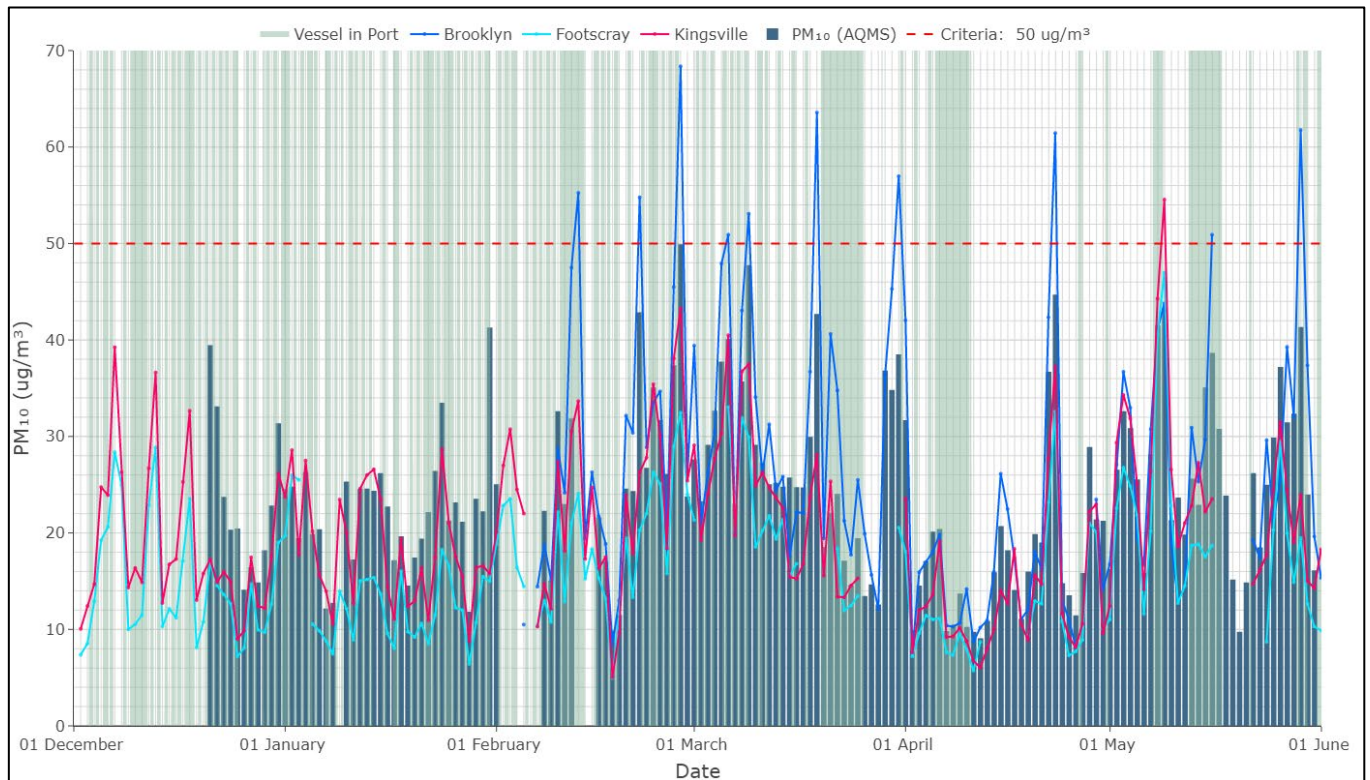


**Figure C.1** 24-hour average PM<sub>10</sub> concentrations (µg/m³) at Station Pier and local EPA stations (December 2023 - May 2024) (criteria: 50 µg/m³)

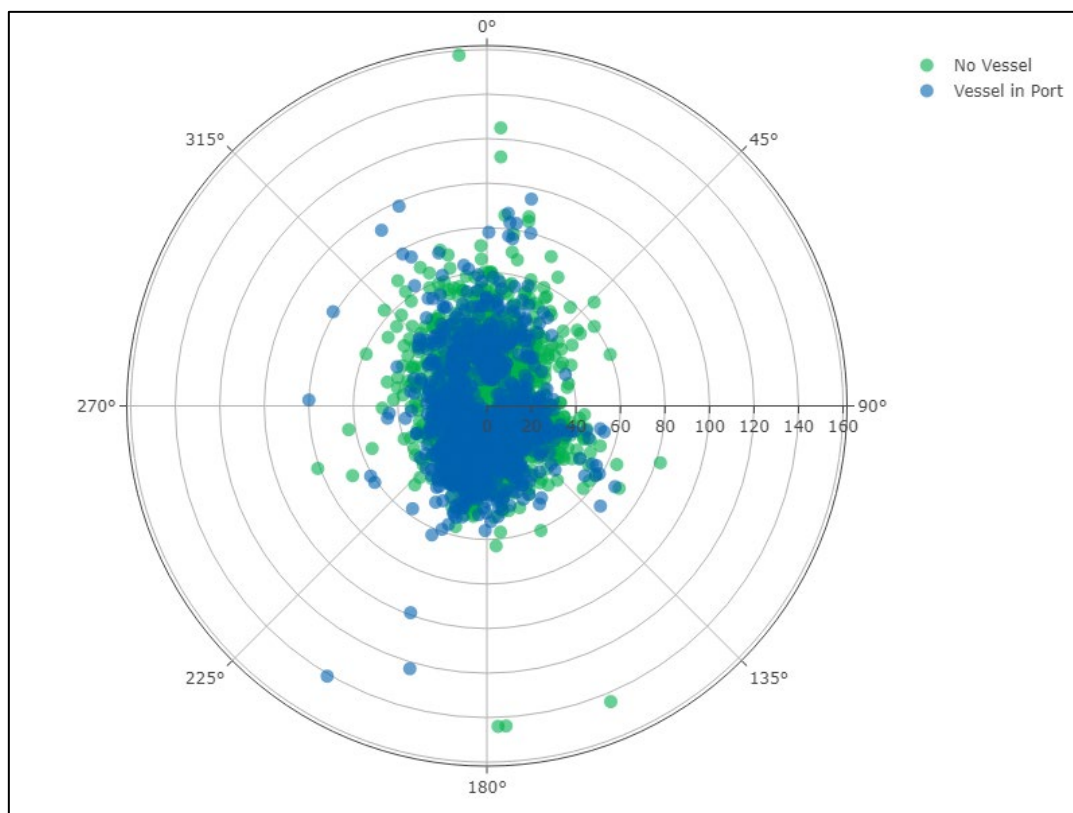


**Figure C.2** Hourly average  $PM_{10}$  concentration ( $\mu\text{g}/\text{m}^3$ ) by wind direction (December 2023 - May 2024)

An annual average criterion of  $25 \mu\text{g}/\text{m}^3$  is specified for  $PM_{10}$ . As less than one year of data is available, annual average concentrations cannot yet be calculated and compared against this criterion. Monthly average and overall average concentrations using all data available to date are presented in Table C.1.

**Table C.1** Monthly average  $PM_{10}$  concentrations ( $\mu\text{g}/\text{m}^3$ )

| Month                           | Station Pier | Kingsville  | Footscray   | Brooklyn    |
|---------------------------------|--------------|-------------|-------------|-------------|
| December 2023                   | 23.3         | 19.0        | 14.8        | -           |
| January 2024                    | 22.1         | 18.3        | 12.6        | -           |
| February 2024                   | 26.7         | 23.3        | 18.6        | 29.8        |
| March 2024                      | 27.2         | 23.7        | 21.0        | 30.9        |
| April 2024                      | 17.7         | 13.5        | 12.0        | 18.3        |
| May 2024                        | 26.6         | 24.5        | 20.6        | 28.7        |
| <b>2024 year-to-date</b>        | <b>23.9</b>  | <b>20.3</b> | <b>16.5</b> | <b>26.8</b> |
| <b>All available data</b>       | <b>23.9</b>  | <b>20.1</b> | <b>16.2</b> | <b>26.8</b> |
| "-" indicates no data available |              |             |             |             |

## C-2 PM<sub>2.5</sub>

The PM<sub>2.5</sub> data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 May 2024) is presented in Figure C.3 and Figure C.4, in which:

**Figure C.3:** Presents the 24-hour average PM<sub>2.5</sub> concentrations observed at the Station Pier AQMS, alongside observations from the local EPA Stations. Hours during which a vessel was present in the port highlighted.

**Figure C.4:** Presents the hourly average PM<sub>2.5</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.

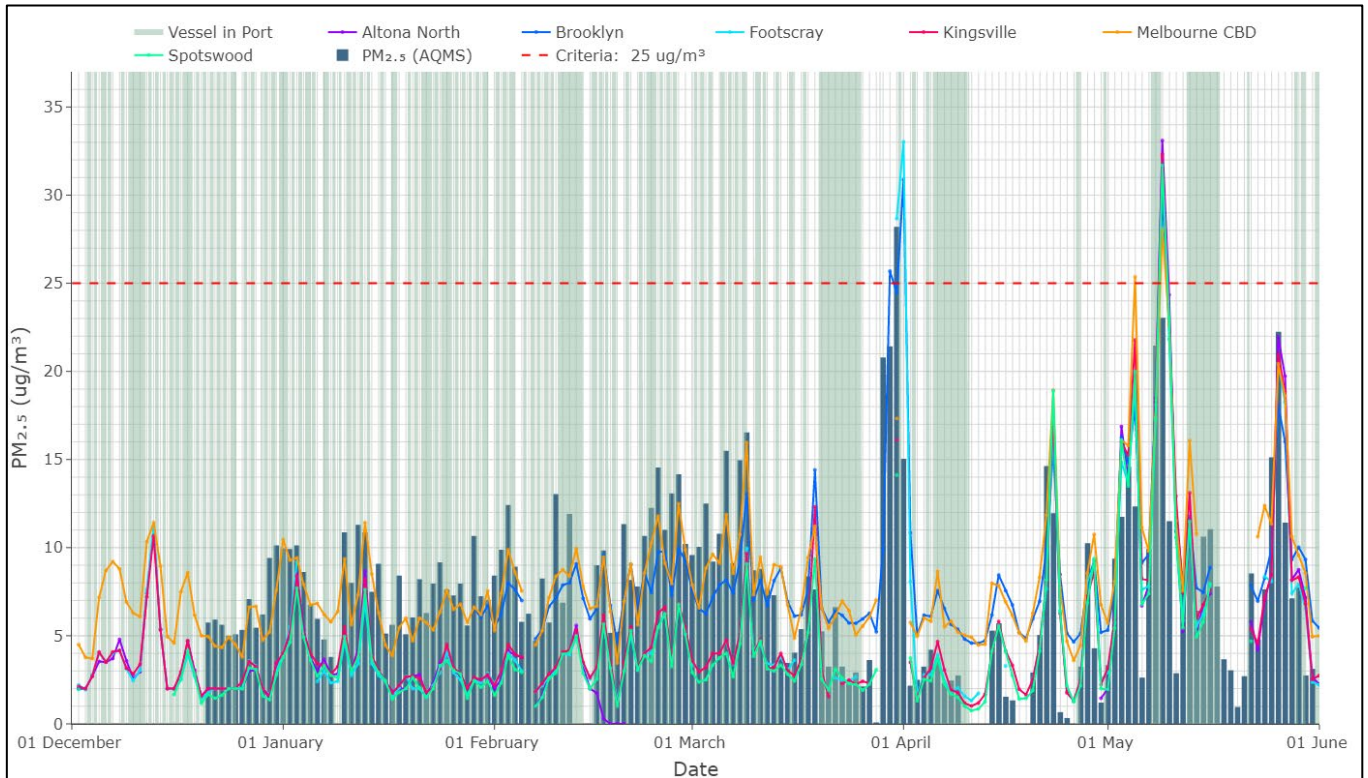


**Figure C.3** 24-hour average PM<sub>2.5</sub> concentrations (µg/m³) at Station Pier and local EPA stations (December 2023 - May 2024) (criteria: 25 µg/m³)

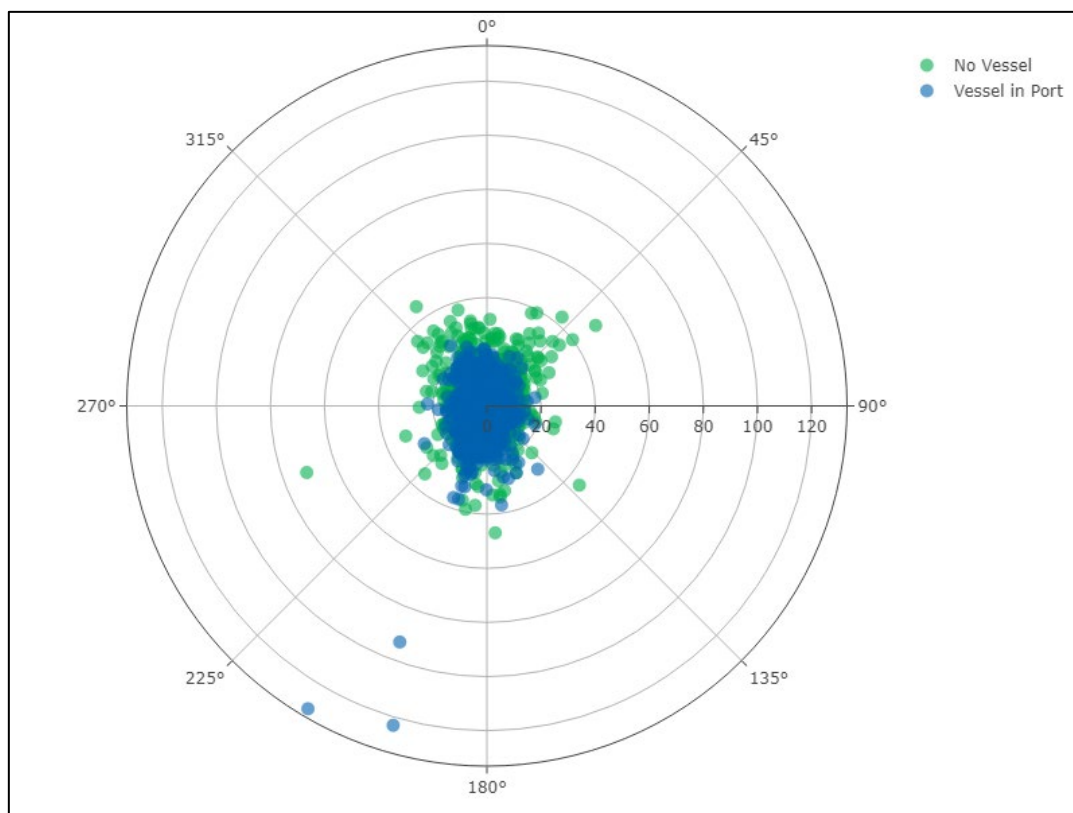


**Figure C.4** Hourly average  $PM_{2.5}$  concentration ( $\mu\text{g}/\text{m}^3$ ) by wind direction (December 2023 - May 2024)

An annual average criterion of  $8 \mu\text{g}/\text{m}^3$  is specified for  $PM_{2.5}$ . As less than one year of data is available, annual average concentrations cannot yet be calculated and compared against this criterion. Monthly average and overall average concentrations using all data available to date are presented in Table C.2.

**Table C.2** Monthly average  $PM_{2.5}$  concentrations ( $\mu\text{g}/\text{m}^3$ )

| Month                           | Station Pier | Kingsville | Footscray  | Brooklyn   | Melbourne CBD | Spotswood  | Altona North |
|---------------------------------|--------------|------------|------------|------------|---------------|------------|--------------|
| December 2023                   | 6.5          | 3.3        | 3.2        | -          | 6.5           | 2.1        | 3.2          |
| January 2024                    | 7.8          | 3.4        | 3.0        | 6.1        | 6.8           | 3.0        | 3.3          |
| February 2024                   | 9.4          | 4.0        | 3.7        | 7.5        | 8.2           | 3.6        | 2.5          |
| March 2024                      | 9.2          | 4.2        | 4.1        | 8.6        | 8.4           | 3.7        | -            |
| April 2024                      | 4.9          | 3.8        | 3.9        | 7.1        | 6.8           | 3.6        | 1.1          |
| May 2024                        | 9.4          | 11.7       | 11.5       | 12.1       | 13.6          | 12.0       | 11.5         |
| <b>2024 year-to-date</b>        | <b>8.3</b>   | <b>5.3</b> | <b>5.2</b> | <b>8.7</b> | <b>8.5</b>    | <b>4.7</b> | <b>5.8</b>   |
| <b>All available data</b>       | <b>8.1</b>   | <b>4.9</b> | <b>4.8</b> | <b>8.7</b> | <b>8.2</b>    | <b>4.4</b> | <b>5.1</b>   |
| “-” indicates no data available |              |            |            |            |               |            |              |

## C-3 NO<sub>2</sub>

The NO<sub>2</sub> data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 May 2024) is presented in Figure C.5 and Figure C.6, in which:

**Figure C.5:** Presents the hourly average NO<sub>2</sub> concentrations observed at the Station Pier AQMS, alongside observations from the local EPA Station, with hours during which a vessel was present in the port highlighted.

**Figure C.6:** Presents the hourly average NO<sub>2</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.

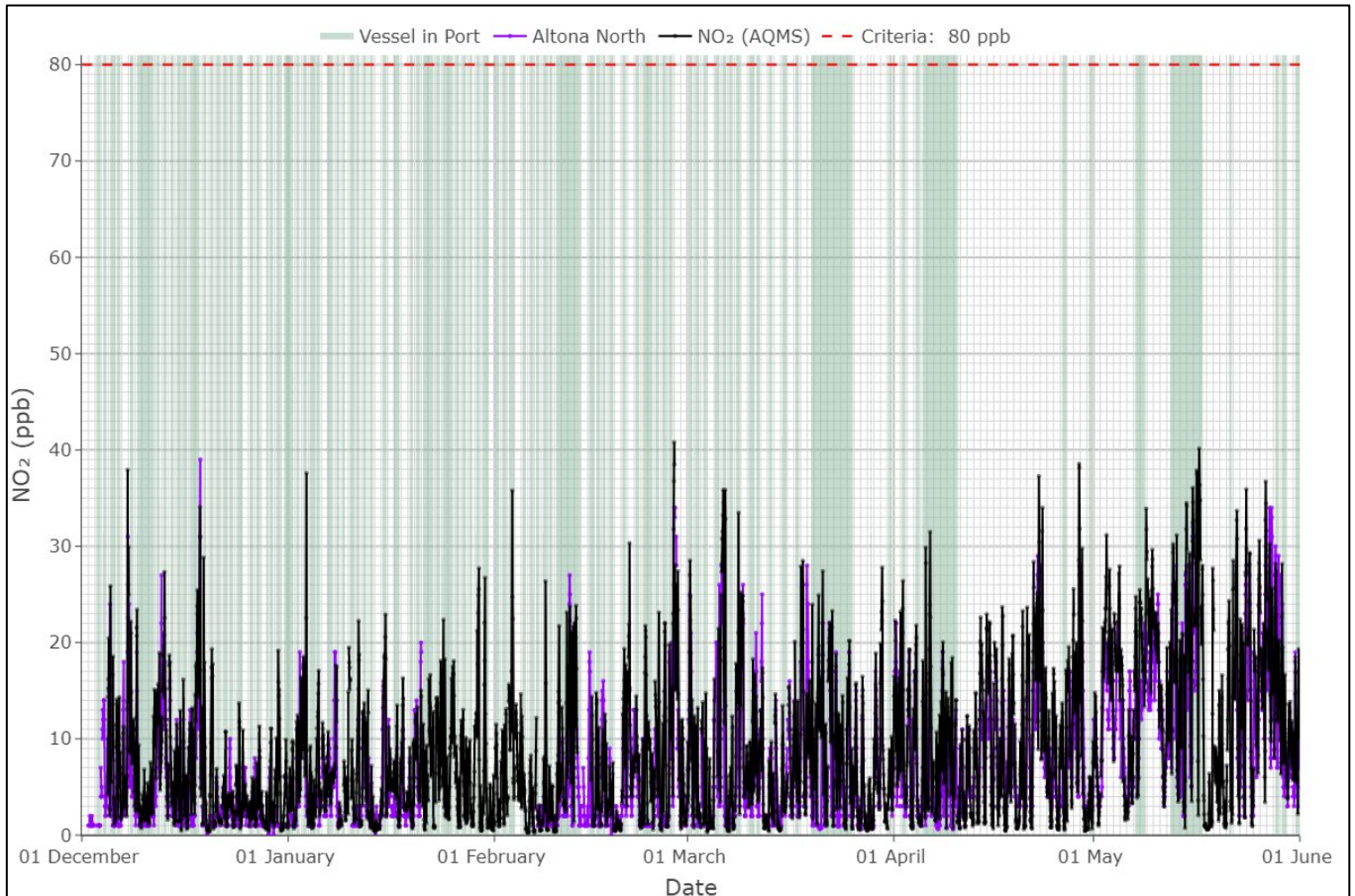


**Figure C.5** Hourly average NO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA stations (December 2023 - May 2024) (criteria: 80 ppb)

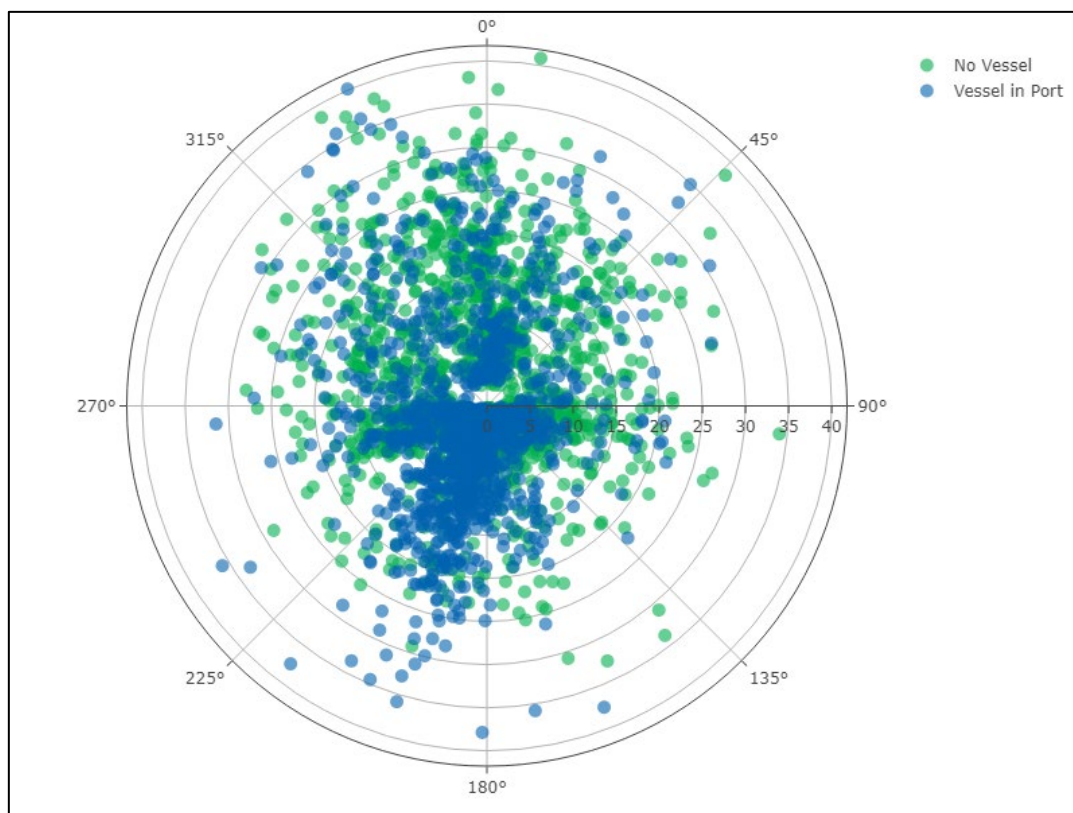


**Figure C.6** Hourly average  $\text{NO}_2$  concentration ( $\mu\text{g}/\text{m}^3$ ) by wind direction (December 2023 - May 2024)

An annual average criterion of 15 ppb is specified for  $\text{NO}_2$ . As less than one year of data is available, annual average concentrations cannot yet be calculated and compared against this criterion. Monthly average and overall average concentrations using all data available to date are presented in Table C.3.

**Table C.3** Monthly  $\text{NO}_2$  concentrations (ppb<sup>3</sup>)

| Month                     | Station Pier | Altona North |
|---------------------------|--------------|--------------|
| December 2023             | 6.1          | 4.0          |
| January 2024              | 6.3          | 4.2          |
| February 2024             | 7.1          | 4.3          |
| March 2024                | 7.9          | 5.9          |
| April 2024                | 9.0          | 7.4          |
| May 2024                  | 14.7         | 13.3         |
| <b>2024 year-to-date</b>  | <b>9.1</b>   | <b>7.2</b>   |
| <b>All available data</b> | <b>8.6</b>   | <b>6.6</b>   |

## C-4 SO<sub>2</sub>

The SO<sub>2</sub> data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 May 2024) is presented in Figure C.7, Figure C.8 and Figure C.9, in which:

- Figure C.7:** Presents the hourly average SO<sub>2</sub> concentrations observed at the Station Pier AQMS, alongside observations from the local EPA Station. Hours during which a vessel was present in the port highlighted.
- Figure C.8:** Presents the hourly average SO<sub>2</sub> concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.
- Figure C.9:** Presents the 24-hour average SO<sub>2</sub> concentrations observed at the Station Pier AQMS, alongside observations from the local EPA Station. Hours during which a vessel was present in the port highlighted.

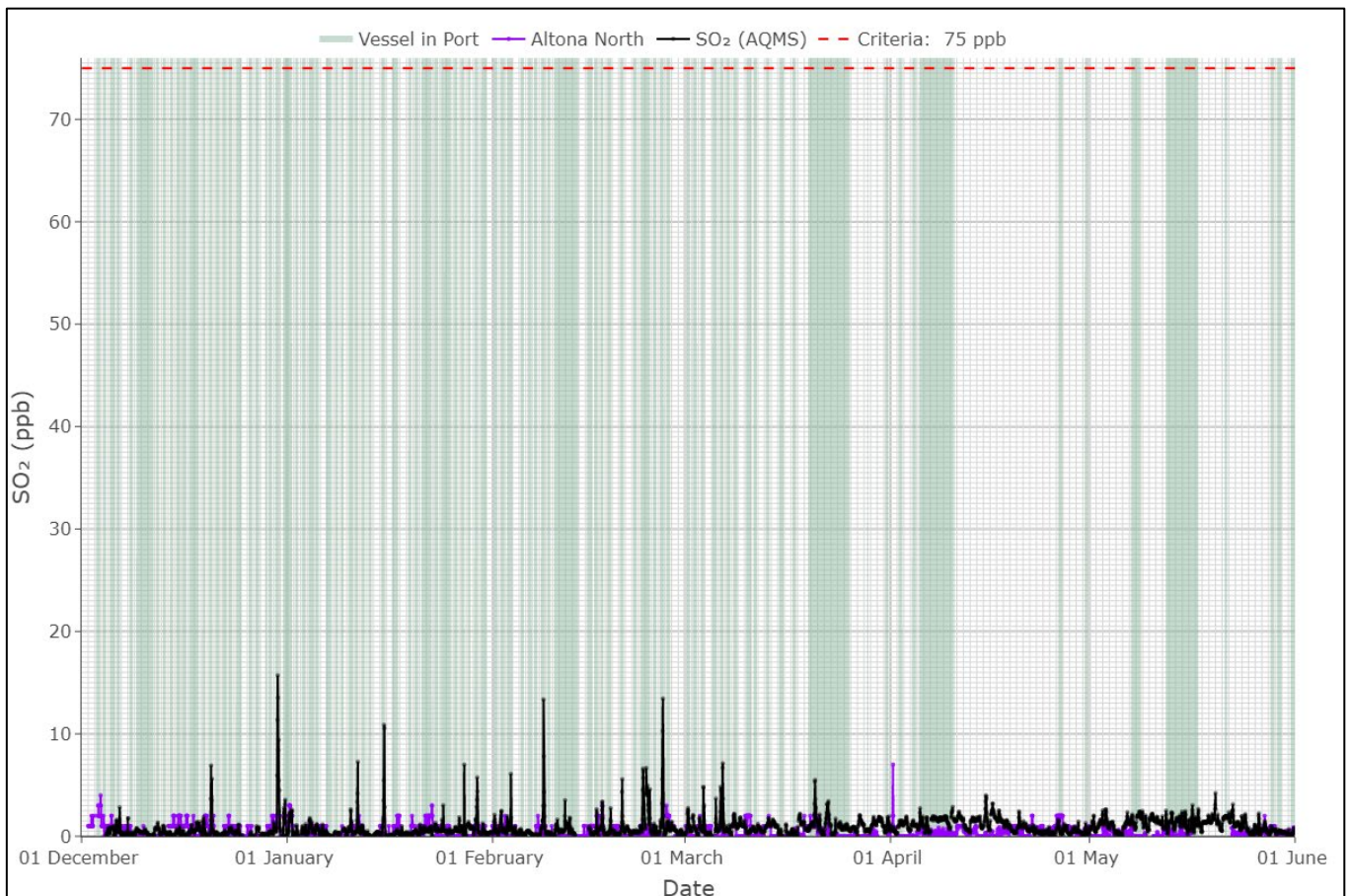


**Figure C.7** Hourly average SO<sub>2</sub> concentrations (ppb) at Station Pier and local EPA Station (December 2023 - May 2024) (criteria: 75 ppb)

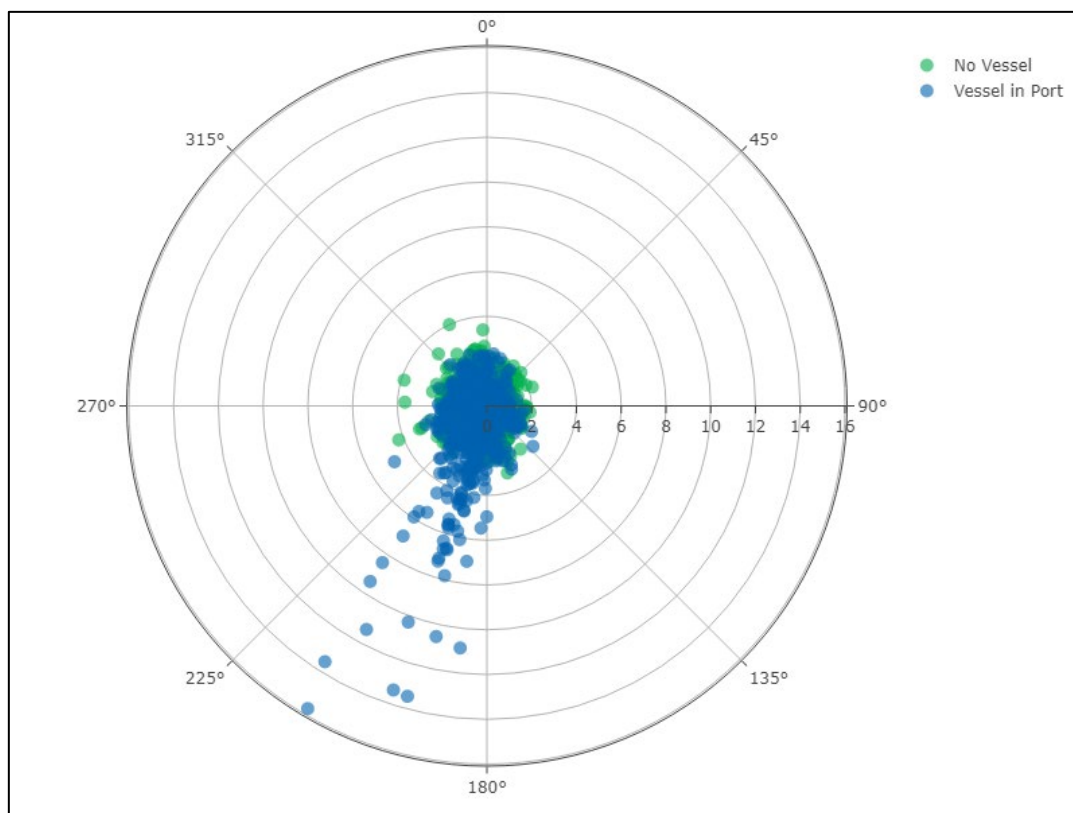


**Figure C.8** Hourly average  $\text{SO}_2$  concentration ( $\mu\text{g}/\text{m}^3$ ) by wind direction (December 2023 - May 2024)

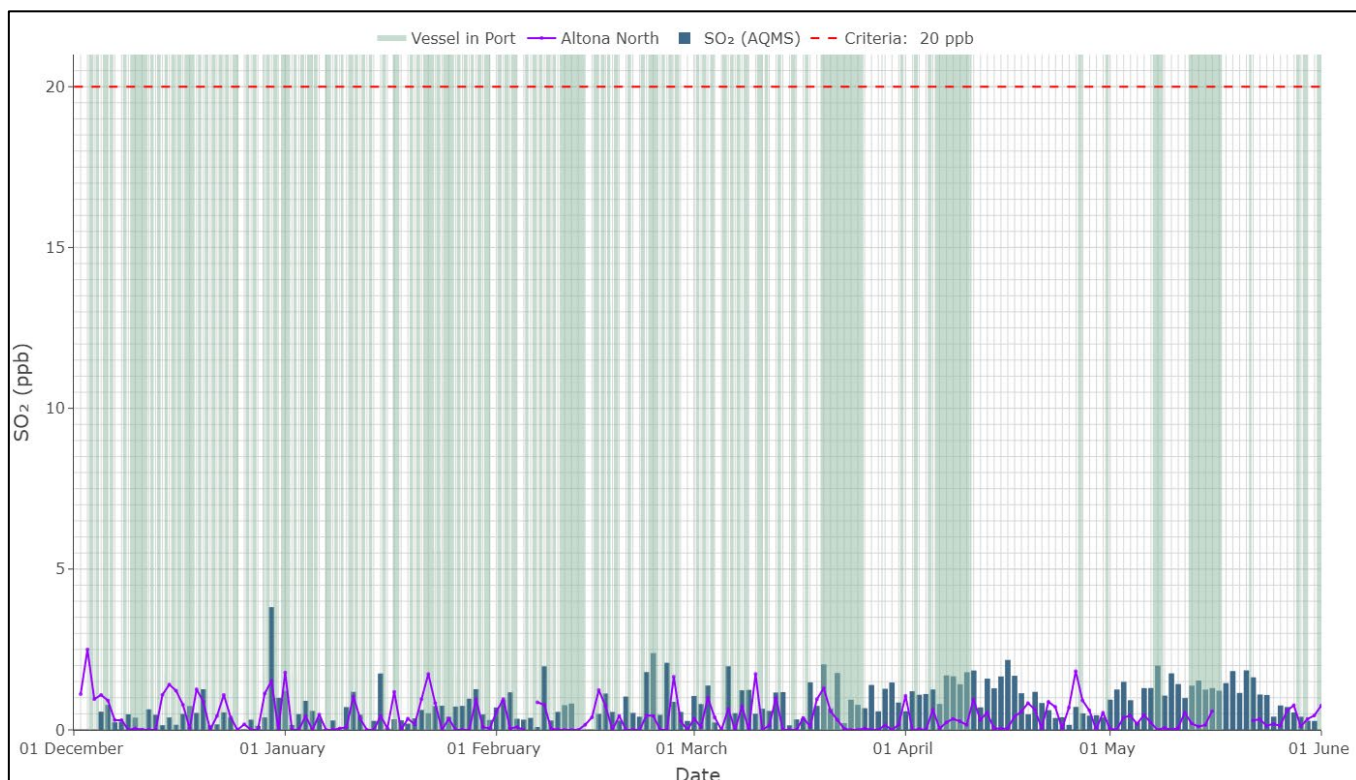


**Figure C.9** 24-hour average  $\text{SO}_2$  concentrations ( $\mu\text{g}/\text{m}^3$ ) at Station Pier and local EPA Station (December 2023 - May 2024) (criteria:  $20 \mu\text{g}/\text{m}^3$ )

# **Appendix D**

**May 2024 NATA accredited data**



Accredited for  
compliance with  
ISO/IEC 17025-  
Testing  
Accreditation No.  
14184.



**GHD for Ports Victoria**  
**Station Pier, Kunak VIC 6, Kunak VIC 7- Beacon Vista**

**Ambient Air Quality Monitoring**

**1<sup>st</sup> May to 31<sup>st</sup> May 2024**

**Report No: DAT21345**

**Issue Date: 27<sup>th</sup> June 2024**

**Maintenance Contract: MC2306**

Acoem Australasia (Ecotech Pty Ltd). 1492 Ferntree Gully Rd, Knoxfield, VIC. 3180 Australia.  
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Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 01/05/24 00:05 | 0           | 7                        | 7                        | 1                        | 13.6       | 81        | 1.8         | 95        | 6            |
| 01/05/24 00:10 | 0           | 7                        | 7                        | 1                        | 13.6       | 80        | 1.5         | 92        | 10           |
| 01/05/24 00:15 | 0           | 7                        | 7                        | 1                        | 13.5       | 80        | 1.3         | 81        | 7            |
| 01/05/24 00:20 | 0           | 8                        | 8                        | 1                        | 13.6       | 80        | 1.2         | 85        | 9            |
| 01/05/24 00:25 | 0           | 8                        | 8                        | 1                        | 13.6       | 79        | 1.3         | 87        | 9            |
| 01/05/24 00:30 | 0           | 8                        | 8                        | 1                        | 13.6       | 79        | 1.4         | 90        | 9            |
| 01/05/24 00:35 | 0           | 7                        | 7                        | 1                        | 13.5       | 80        | 1.5         | 95        | 6            |
| 01/05/24 00:40 | 0           | 8                        | 8                        | 1                        | 13.5       | 80        | 1.8         | 96        | 9            |
| 01/05/24 00:45 | 0           | 8                        | 8                        | 1                        | 13.6       | 82        | 2.2         | 108       | 6            |
| 01/05/24 00:50 | 0           | 9                        | 9                        | 1                        | 13.7       | 82        | 2.1         | 110       | 7            |
| 01/05/24 00:55 | 0           | 9                        | 10                       | 1                        | 13.8       | 82        | 1.9         | 109       | 6            |
| 01/05/24 01:00 | 0           | 10                       | 10                       | 1                        | 13.6       | 81        | 1.9         | 97        | 6            |
| 01/05/24 01:05 |             |                          |                          |                          | 13.6       | 82        | 1.2         | 108       | 11           |
| 01/05/24 01:10 |             |                          |                          |                          | 13.7       | 82        | 1.0         | 116       | 19           |
| 01/05/24 01:15 |             |                          |                          |                          | 13.8       | 81        | 1.0         | 121       | 19           |
| 01/05/24 01:20 |             |                          |                          |                          | 13.9       | 81        | 1.1         | 122       | 17           |
| 01/05/24 01:25 |             |                          |                          |                          | 14.0       | 81        | 1.7         | 116       | 15           |
| 01/05/24 01:30 |             |                          |                          |                          | 14.0       | 81        | 1.4         | 112       | 15           |
| 01/05/24 01:35 |             |                          |                          |                          | 14.1       | 80        | 2.1         | 115       | 10           |
| 01/05/24 01:40 |             |                          |                          |                          | 14.0       | 80        | 2.2         | 115       | 8            |
| 01/05/24 01:45 |             |                          |                          |                          | 14.1       | 82        | 2.3         | 110       | 7            |
| 01/05/24 01:50 |             |                          |                          |                          | 14.2       | 81        | 1.3         | 109       | 14           |
| 01/05/24 01:55 |             |                          |                          |                          | 13.9       | 82        | 1.5         | 106       | 7            |
| 01/05/24 02:00 |             |                          |                          |                          | 13.8       | 82        | 1.7         | 105       | 6            |
| 01/05/24 02:05 | 0           | 8                        | 9                        | 1                        | 13.7       | 82        | 1.6         | 103       | 8            |
| 01/05/24 02:10 | 0           | 8                        | 8                        | 1                        | 13.6       | 82        | 1.7         | 96        | 8            |
| 01/05/24 02:15 | 0           | 8                        | 8                        | 1                        | 13.5       | 82        | 1.2         | 106       | 12           |
| 01/05/24 02:20 | 0           | 8                        | 8                        | 1                        | 13.6       | 84        | 1.4         | 106       | 9            |
| 01/05/24 02:25 | 0           | 8                        | 8                        | 1                        | 13.6       | 84        | 0.7         | 117       | 22           |
| 01/05/24 02:30 | 0           | 7                        | 8                        | 1                        | 13.7       | 84        | 1.8         | 141       | 14           |
| 01/05/24 02:35 | 0           | 7                        | 7                        | 1                        | 13.7       | 83        | 1.5         | 133       | 15           |
| 01/05/24 02:40 | 0           | 6                        | 6                        | 1                        | 13.8       | 83        | 1.2         | 121       | 17           |
| 01/05/24 02:45 | 0           | 6                        | 6                        | 1                        | 13.9       | 83        | 2.0         | 118       | 11           |
| 01/05/24 02:50 | 0           | 6                        | 6                        | 1                        | 13.8       | 83        | 1.8         | 115       | 13           |
| 01/05/24 02:55 | 0           | 6                        | 6                        | 1                        | 13.9       | 84        | 2.0         | 115       | 11           |
| 01/05/24 03:00 | 0           | 6                        | 6                        | 1                        | 13.7       | 83        | 2.0         | 104       | 8            |
| 01/05/24 03:05 | 0           | 7                        | 7                        | 1                        | 13.4       | 82        | 2.2         | 98        | 5            |
| 01/05/24 03:10 | 0           | 7                        | 7                        | 1                        | 13.2       | 81        | 2.4         | 100       | 4            |
| 01/05/24 03:15 | 0           | 7                        | 7                        | 1                        | 13.2       | 80        | 2.3         | 100       | 5            |
| 01/05/24 03:20 | 0           | 7                        | 7                        | 1                        | 13.1       | 80        | 2.3         | 98        | 6            |
| 01/05/24 03:25 | 0           | 7                        | 7                        | 1                        | 13.0       | 79        | 1.7         | 90        | 10           |
| 01/05/24 03:30 | 0           | 7                        | 7                        | 1                        | 12.9       | 80        | 1.5         | 89        | 8            |
| 01/05/24 03:35 | 0           | 7                        | 7                        | 1                        | 12.8       | 80        | 1.6         | 92        | 5            |
| 01/05/24 03:40 | 0           | 8                        | 7                        | 1                        | 12.8       | 81        | 1.8         | 97        | 7            |
| 01/05/24 03:45 | 0           | 8                        | 8                        | 1                        | 12.7       | 81        | 1.6         | 94        | 6            |
| 01/05/24 03:50 | 0           | 9                        | 9                        | 1                        | 12.6       | 82        | 1.3         | 87        | 6            |
| 01/05/24 03:55 | 0           | 11                       | 11                       | 1                        | 12.4       | 83        | 0.9         | 87        | 8            |
| 01/05/24 04:00 | 0           | 13                       | 14                       | 1                        | 12.4       | 84        | 1.3         | 99        | 5            |
| 01/05/24 04:05 | 0           | 21                       | 21                       | 1                        | 12.3       | 85        | 1.7         | 103       | 7            |
| 01/05/24 04:10 | 1           | 26                       | 27                       | 1                        | 12.3       | 86        | 1.8         | 110       | 7            |
| 01/05/24 04:15 | 1           | 25                       | 27                       | 1                        | 12.3       | 86        | 1.9         | 103       | 6            |
| 01/05/24 04:20 | 2           | 24                       | 25                       | 1                        | 12.2       | 86        | 1.9         | 105       | 7            |
| 01/05/24 04:25 | 2           | 23                       | 25                       | 1                        | 12.2       | 87        | 1.7         | 113       | 16           |
| 01/05/24 04:30 | 2           | 11                       | 13                       | 1                        | 12.4       | 87        | 2.0         | 119       | 16           |
| 01/05/24 04:35 | 2           | 8                        | 9                        | 1                        | 12.5       | 86        | 1.8         | 125       | 18           |
| 01/05/24 04:40 | 1           | 8                        | 9                        | 1                        | 12.6       | 86        | 2.1         | 117       | 13           |
| 01/05/24 04:45 | 1           | 8                        | 9                        | 1                        | 12.7       | 86        | 2.7         | 113       | 9            |
| 01/05/24 04:50 | 1           | 8                        | 9                        | 1                        | 12.7       | 87        | 3.1         | 114       | 7            |
| 01/05/24 04:55 | 0           | 8                        | 9                        | 1                        | 12.6       | 86        | 2.6         | 117       | 12           |
| 01/05/24 05:00 | 0           | 9                        | 9                        | 1                        | 12.6       | 87        | 1.7         | 118       | 20           |
| 01/05/24 05:05 | 0           | 9                        | 9                        | 1                        | 12.5       | 87        | 1.8         | 120       | 21           |
| 01/05/24 05:10 | 0           | 9                        | 9                        | 1                        | 12.4       | 87        | 1.8         | 120       | 21           |
| 01/05/24 05:15 | 0           | 9                        | 9                        | 1                        | 12.3       | 88        | 2.1         | 121       | 14           |
| 01/05/24 05:20 | 0           | 9                        | 9                        | 1                        | 12.3       | 88        | 1.8         | 119       | 22           |
| 01/05/24 05:25 | 0           | 9                        | 9                        | 1                        | 12.3       | 88        | 1.9         | 120       | 22           |
| 01/05/24 05:30 | 0           | 9                        | 9                        | 1                        | 12.2       | 88        | 2.3         | 120       | 14           |
| 01/05/24 05:35 | 0           | 9                        | 9                        | 1                        | 12.4       | 88        | 1.6         | 118       | 24           |
| 01/05/24 05:40 | 0           | 9                        | 9                        | 1                        | 12.4       | 88        | 2.2         | 119       | 15           |
| 01/05/24 05:45 | 0           | 8                        | 8                        | 1                        | 12.4       | 88        | 2.9         | 114       | 10           |
| 01/05/24 05:50 | 0           | 8                        | 8                        | 1                        | 12.4       | 88        | 2.5         | 117       | 13           |
| 01/05/24 05:55 | 0           | 8                        | 8                        | 1                        | 12.3       | 87        | 2.3         | 115       | 11           |
| 01/05/24 06:00 | 0           | 8                        | 8                        | 1                        | 12.2       | 87        | 3.1         | 116       | 9            |
| 01/05/24 06:05 | 0           | 8                        | 8                        | 1                        | 12.1       | 87        | 2.3         | 116       | 12           |
| 01/05/24 06:10 | 0           | 8                        | 9                        | 1                        | 12.1       | 88        | 2.5         | 114       | 8            |
| 01/05/24 06:15 | 0           | 9                        | 10                       | 1                        | 12.1       | 88        | 2.5         | 113       | 9            |
| 01/05/24 06:20 | 0           | 10                       | 10                       | 1                        | 12.0       | 88        | 1.8         | 115       | 15           |
| 01/05/24 06:25 | 0           | 10                       | 10                       | 1                        | 11.9       | 88        | 1.3         | 119       | 24           |
| 01/05/24 06:30 | 0           | 10                       | 10                       | 1                        | 11.9       | 87        | 2.4         | 138       | 13           |
| 01/05/24 06:35 | 0           | 9                        | 9                        | 1                        | 12.0       | 85        | 2.9         | 138       | 11           |
| 01/05/24 06:40 | 0           | 8                        | 8                        | 1                        | 12.2       | 86        | 2.5         | 139       | 17           |
| 01/05/24 06:45 | 0           | 7                        | 7                        | 1                        | 12.2       | 84        | 3.1         | 136       | 12           |
| 01/05/24 06:50 | 0           | 6                        | 6                        | 1                        | 12.2       | 84        | 2.1         | 125       | 17           |
| 01/05/24 06:55 | 0           | 6                        | 6                        | 1                        | 12.2       | 85        | 2.0         | 105       | 15           |
| 01/05/24 07:00 | 1           | 10                       | 11                       | 1                        | 11.8       | 85        | 2.2         | 104       | 9            |
| 01/05/24 07:05 | 1           | 14                       | 16                       | 1                        | 11.7       | 85        | 1.9         | 100       | 8            |
| 01/05/24 07:10 | 2           | 21                       | 23                       | 1                        | 11.6       | 86        | 1.9         | 100       | 9            |
| 01/05/24 07:15 | 3           | 22                       | 25                       | 1                        | 11.5       | 86        | 2.1         | 111       | 13           |
| 01/05/24 07:20 | 2           | 15                       | 17                       | 1                        | 11.6       | 85        | 2.1         | 125       | 14           |
| 01/05/24 07:25 | 1           | 11                       | 12                       | 1                        | 11.7       | 84        | 2.5         | 135       | 12           |
| 01/05/24 07:30 | 1           | 10                       | 11                       | 1                        | 11.8       | 83        | 3.0         | 137       | 12           |
| 01/05/24 07:35 | 2           | 10                       | 12                       | 1                        | 11.8       | 83        | 2.5         | 127       | 15           |
| 01/05/24 07:40 | 18          | 10                       | 28                       | 1                        | 11.8       | 84        | 2.2         | 129       | 17           |
| 01/05/24 07:45 | 8           | 13                       | 22                       | 1                        | 12.0       | 83        | 1.8         | 123       | 18           |
| 01/05/24 07:50 | 6           | 14                       | 20                       | 1                        | 12.3       | 82        | 1.7         | 120       | 22           |
| 01/05/24 07:55 | 7           | 15                       | 23                       | 1                        | 12.6       | 81        | 1.4         | 124       | 27           |
| 01/05/24 08:00 | 9           | 18                       | 27                       | 1                        | 12.8       | 79        | 1.6         | 124       | 23           |
| 01/05/24 08:05 | 10          | 16                       | 26                       | 1                        | 12.8       | 78        | 2.4         | 131       | 14           |
| 01/05/24 08:10 | 10          | 15                       | 25                       | 1                        | 12.9       | 79        | 2.2         | 127       | 17           |
| 01/05/24 08:15 | 10          | 15                       | 25                       | 1                        | 12.9       | 79        | 1.7         | 125       | 23           |
| 01/05/24 08:20 | 11          | 15                       | 26                       | 1                        | 13.0       | 78        | 2.2         | 123       | 17           |
| 01/05/24 08:25 | 11          | 15                       | 25                       | 1                        | 13.2       | 78        | 2.5         | 130       | 16           |
| 01/05/24 08:30 | 10          | 14                       | 25                       | 1                        | 13.1       | 77        | 3.1         | 134       | 14           |
| 01/05/24 08:35 | 10          | 14                       | 23                       | 1                        | 13.0       | 78        | 2.8         | 136       | 12           |
| 01/05/24 08:40 | 9           | 13                       | 22                       | 1                        | 13.0       | 79        | 2.7         | 140       | 16           |
| 01/05/24 08:45 | 8           | 10                       | 18                       | 1                        | 13.2       | 77        | 3.3         | 139       | 14           |
| 01/05/24 08:50 | 8           | 9                        | 16                       | 1                        | 13.2       | 77        | 3.2         | 140       | 15           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 01/05/24 08:55 | 7           | 9                        | 16                       | 1                        | 13.4       | 77        | 2.6         | 148       | 17           |
| 01/05/24 09:00 | 7           | 9                        | 15                       | 1                        | 13.4       | 76        | 2.5         | 145       | 23           |
| 01/05/24 09:05 | 7           | 8                        | 15                       | 1                        | 13.6       | 75        | 2.8         | 142       | 12           |
| 01/05/24 09:10 | 6           | 8                        | 15                       | 1                        | 13.7       | 75        | 2.1         | 150       | 25           |
| 01/05/24 09:15 | 6           | 8                        | 14                       | 2                        | 14.0       | 74        | 1.7         | 152       | 29           |
| 01/05/24 09:20 | 6           | 8                        | 14                       | 2                        | 14.2       | 73        | 1.6         | 156       | 27           |
| 01/05/24 09:25 | 7           | 8                        | 15                       | 2                        | 14.6       | 73        | 1.8         | 166       | 24           |
| 01/05/24 09:30 | 9           | 13                       | 22                       | 1                        | 14.8       | 72        | 1.7         | 168       | 26           |
| 01/05/24 09:35 | 15          | 13                       | 27                       | 1                        | 14.9       | 72        | 1.9         | 173       | 24           |
| 01/05/24 09:40 | 14          | 10                       | 24                       | 2                        | 15.1       | 71        | 1.6         | 168       | 31           |
| 01/05/24 09:45 | 10          | 11                       | 21                       | 1                        | 15.1       | 72        | 2.0         | 174       | 22           |
| 01/05/24 09:50 | 5           | 7                        | 12                       | 2                        | 15.1       | 72        | 2.1         | 169       | 24           |
| 01/05/24 09:55 | 7           | 8                        | 16                       | 2                        | 15.2       | 71        | 2.2         | 171       | 25           |
| 01/05/24 10:00 | 5           | 7                        | 12                       | 2                        | 15.3       | 72        | 2.6         | 181       | 18           |
| 01/05/24 10:05 | 5           | 6                        | 11                       | 2                        | 15.3       | 72        | 2.3         | 181       | 18           |
| 01/05/24 10:10 | 5           | 6                        | 11                       | 2                        | 15.4       | 72        | 2.2         | 182       | 16           |
| 01/05/24 10:15 | 4           | 6                        | 10                       | 1                        | 15.6       | 71        | 2.3         | 183       | 19           |
| 01/05/24 10:20 | 5           | 6                        | 11                       | 1                        | 15.6       | 71        | 2.7         | 188       | 13           |
| 01/05/24 10:25 | 5           | 7                        | 13                       | 1                        | 15.6       | 71        | 2.5         | 183       | 17           |
| 01/05/24 10:30 | 6           | 8                        | 13                       | 1                        | 15.6       | 71        | 2.4         | 184       | 14           |
| 01/05/24 10:35 | 6           | 8                        | 14                       | 1                        | 15.5       | 71        | 2.6         | 184       | 16           |
| 01/05/24 10:40 | 6           | 8                        | 14                       | 1                        | 15.7       | 70        | 2.7         | 180       | 17           |
| 01/05/24 10:45 | 6           | 8                        | 14                       | 1                        | 16.0       | 69        | 2.6         | 180       | 17           |
| 01/05/24 10:50 | 5           | 8                        | 13                       | 1                        | 16.1       | 68        | 2.8         | 181       | 17           |
| 01/05/24 10:55 | 5           | 7                        | 12                       | 1                        | 16.3       | 67        | 2.5         | 174       | 21           |
| 01/05/24 11:00 | 4           | 7                        | 11                       | 1                        | 16.4       | 67        | 2.6         | 178       | 17           |
| 01/05/24 11:05 | 4           | 7                        | 11                       | 1                        | 16.3       | 67        | 2.6         | 167       | 22           |
| 01/05/24 11:10 | 4           | 7                        | 11                       | 1                        | 16.3       | 67        | 2.5         | 171       | 23           |
| 01/05/24 11:15 | 4           | 7                        | 11                       | 1                        | 16.5       | 67        | 2.3         | 166       | 27           |
| 01/05/24 11:20 | 4           | 6                        | 9                        | 1                        | 16.4       | 64        | 2.4         | 160       | 28           |
| 01/05/24 11:25 | 4           | 5                        | 9                        | 1                        | 16.4       | 64        | 3.0         | 147       | 28           |
| 01/05/24 11:30 | 4           | 6                        | 9                        | 2                        | 16.4       | 61        | 3.2         | 124       | 17           |
| 01/05/24 11:35 | 4           | 6                        | 10                       | 2                        | 16.2       | 63        | 2.9         | 130       | 17           |
| 01/05/24 11:40 | 3           | 6                        | 9                        | 2                        | 16.4       | 63        | 3.1         | 116       | 15           |
| 01/05/24 11:45 | 3           | 6                        | 9                        | 2                        | 16.6       | 61        | 3.0         | 115       | 17           |
| 01/05/24 11:50 | 3           | 6                        | 9                        | 2                        | 16.9       | 60        | 3.0         | 118       | 15           |
| 01/05/24 11:55 | 3           | 6                        | 9                        | 2                        | 16.9       | 59        | 3.6         | 117       | 13           |
| 01/05/24 12:00 | 3           | 6                        | 9                        | 2                        | 16.9       | 59        | 2.9         | 116       | 13           |
| 01/05/24 12:05 | 3           | 6                        | 8                        | 1                        | 17.0       | 60        | 2.8         | 117       | 15           |
| 01/05/24 12:10 | 3           | 5                        | 8                        | 2                        | 17.1       | 59        | 3.5         | 117       | 11           |
| 01/05/24 12:15 | 3           | 5                        | 8                        | 1                        | 17.0       | 59        | 3.6         | 114       | 7            |
| 01/05/24 12:20 | 3           | 5                        | 8                        | 1                        | 17.2       | 58        | 2.8         | 118       | 13           |
| 01/05/24 12:25 | 3           | 5                        | 8                        | 1                        | 17.4       | 57        | 2.2         | 129       | 20           |
| 01/05/24 12:30 | 3           | 5                        | 8                        | 1                        | 17.4       | 57        | 2.2         | 122       | 16           |
| 01/05/24 12:35 | 2           | 5                        | 8                        | 1                        | 17.7       | 55        | 1.9         | 128       | 18           |
| 01/05/24 12:40 | 2           | 5                        | 7                        | 1                        | 17.7       | 55        | 2.7         | 133       | 16           |
| 01/05/24 12:45 | 2           | 5                        | 7                        | 1                        | 17.5       | 56        | 2.3         | 122       | 16           |
| 01/05/24 12:50 | 2           | 5                        | 7                        | 1                        | 17.6       | 55        | 2.0         | 129       | 15           |
| 01/05/24 12:55 | 2           | 5                        | 7                        | 1                        | 17.8       | 56        | 2.2         | 119       | 18           |
| 01/05/24 13:00 | 2           | 5                        | 7                        | 1                        | 17.8       | 56        | 1.9         | 127       | 18           |
| 01/05/24 13:05 | 2           | 5                        | 7                        | 1                        | 17.9       | 56        | 2.1         | 138       | 19           |
| 01/05/24 13:10 | 3           | 5                        | 8                        | 1                        | 17.9       | 56        | 2.1         | 122       | 19           |
| 01/05/24 13:15 | 5           | 8                        | 13                       | 1                        | 18.4       | 54        | 1.8         | 138       | 18           |
| 01/05/24 13:20 | 3           | 6                        | 9                        | 1                        | 18.4       | 54        | 1.9         | 125       | 23           |
| 01/05/24 13:25 | 5           | 8                        | 14                       | 1                        | 18.6       | 54        | 3.1         | 117       | 11           |
| 01/05/24 13:30 | 8           | 11                       | 19                       | 1                        | 18.5       | 56        | 3.5         | 110       | 6            |
| 01/05/24 13:35 | 9           | 10                       | 19                       | 1                        | 18.5       | 55        | 2.5         | 120       | 12           |
| 01/05/24 13:40 | 5           | 4                        | 9                        | 1                        | 18.8       | 53        | 1.9         | 130       | 27           |
| 01/05/24 13:45 | 3           | 5                        | 8                        | 1                        | 19.0       | 54        | 2.0         | 144       | 22           |
| 01/05/24 13:50 | 3           | 5                        | 8                        | 1                        | 18.8       | 53        | 2.7         | 143       | 20           |
| 01/05/24 13:55 | 3           | 5                        | 8                        | 1                        | 18.7       | 55        | 2.4         | 137       | 19           |
| 01/05/24 14:00 | 3           | 6                        | 8                        | 1                        | 18.9       | 54        | 2.0         | 151       | 22           |
| 01/05/24 14:05 | 2           | 6                        | 8                        | 1                        | 19.1       | 58        | 2.1         | 176       | 23           |
| 01/05/24 14:10 | 2           | 5                        | 8                        | 1                        | 18.3       | 61        | 3.2         | 185       | 14           |
| 01/05/24 14:15 | 3           | 5                        | 8                        | 2                        | 17.8       | 63        | 3.5         | 194       | 11           |
| 01/05/24 14:20 | 3           | 6                        | 8                        | 2                        | 17.9       | 63        | 3.6         | 188       | 11           |
| 01/05/24 14:25 | 3           | 6                        | 9                        | 2                        | 18.0       | 63        | 3.0         | 181       | 17           |
| 01/05/24 14:30 | 3           | 6                        | 9                        | 2                        | 18.2       | 63        | 3.1         | 181       | 14           |
| 01/05/24 14:35 | 3           | 6                        | 8                        | 2                        | 18.2       | 63        | 2.9         | 185       | 17           |
| 01/05/24 14:40 | 3           | 4                        | 7                        | 2                        | 18.1       | 63        | 3.2         | 184       | 14           |
| 01/05/24 14:45 | 2           | 3                        | 5                        | 2                        | 18.0       | 63        | 3.4         | 187       | 11           |
| 01/05/24 14:50 | 2           | 3                        | 5                        | 2                        | 18.3       | 63        | 3.4         | 186       | 10           |
| 01/05/24 14:55 | 2           | 3                        | 4                        | 2                        | 18.4       | 63        | 3.6         | 187       | 10           |
| 01/05/24 15:00 | 1           | 3                        | 4                        | 2                        | 18.4       | 63        | 3.4         | 186       | 12           |
| 01/05/24 15:05 | 1           | 3                        | 4                        | 2                        | 18.3       | 62        | 3.8         | 187       | 13           |
| 01/05/24 15:10 | 1           | 3                        | 4                        | 2                        | 18.0       | 64        | 3.8         | 188       | 10           |
| 01/05/24 15:15 | 1           | 2                        | 3                        | 2                        | 17.8       | 65        | 3.3         | 187       | 12           |
| 01/05/24 15:20 | 1           | 3                        | 4                        | 2                        | 17.7       | 66        | 3.7         | 186       | 12           |
| 01/05/24 15:25 | 2           | 4                        | 6                        | 2                        | 18.0       | 64        | 3.9         | 188       | 10           |
| 01/05/24 15:30 | 2           | 6                        | 8                        | 2                        | 18.2       | 64        | 3.9         | 188       | 13           |
| 01/05/24 15:35 | 3           | 7                        | 10                       | 2                        | 18.2       | 64        | 3.8         | 188       | 10           |
| 01/05/24 15:40 | 2           | 3                        | 6                        | 2                        | 17.9       | 67        | 3.8         | 187       | 13           |
| 01/05/24 15:45 | 2           | 3                        | 5                        | 2                        | 17.7       | 68        | 3.7         | 186       | 13           |
| 01/05/24 15:50 | 2           | 2                        | 4                        | 2                        | 18.0       | 67        | 3.0         | 186       | 12           |
| 01/05/24 15:55 | 1           | 1                        | 2                        | 2                        | 18.4       | 66        | 3.8         | 192       | 12           |
| 01/05/24 16:00 | 1           | 1                        | 2                        | 2                        | 18.2       | 67        | 3.8         | 185       | 15           |
| 01/05/24 16:05 | 1           | 1                        | 2                        | 2                        | 17.9       | 68        | 3.5         | 182       | 16           |
| 01/05/24 16:10 | 1           | 1                        | 2                        | 2                        | 17.6       | 69        | 3.5         | 184       | 13           |
| 01/05/24 16:15 | 1           | 1                        | 2                        | 2                        | 17.7       | 70        | 3.8         | 176       | 14           |
| 01/05/24 16:20 | 0           | 1                        | 2                        | 1                        | 17.5       | 70        | 3.7         | 174       | 18           |
| 01/05/24 16:25 | 0           | 1                        | 2                        | 1                        | 17.6       | 71        | 2.9         | 175       | 24           |
| 01/05/24 16:30 | 0           | 1                        | 2                        | 1                        | 17.5       | 72        | 3.6         | 175       | 19           |
| 01/05/24 16:35 | 0           | 1                        | 2                        | 1                        | 17.3       | 74        | 3.9         | 181       | 15           |
| 01/05/24 16:40 | 0           | 1                        | 2                        | 1                        | 17.2       | 74        | 3.7         | 180       | 13           |
| 01/05/24 16:45 | 0           | 1                        | 1                        | 1                        | 17.1       | 75        | 3.6         | 184       | 13           |
| 01/05/24 16:50 | 0           | 1                        | 1                        | 1                        | 17.2       | 74        | 3.9         | 186       | 14           |
| 01/05/24 16:55 | 0           | 1                        | 1                        | 1                        | 17.3       | 74        | 4.2         | 184       | 14           |
| 01/05/24 17:00 | 0           | 1                        | 1                        | 1                        | 17.2       | 75        | 3.7         | 180       | 17           |
| 01/05/24 17:05 | 0           | 1                        | 1                        | 1                        | 17.1       | 74        | 3.9         | 179       | 14           |
| 01/05/24 17:10 | 0           | 1                        | 1                        | 1                        | 17.0       | 75        | 4.2         | 186       | 12           |
| 01/05/24 17:15 | 0           | 1                        | 1                        | 1                        | 17.0       | 75        | 3.9         | 180       | 11           |
| 01/05/24 17:20 | 0           | 1                        | 1                        | 1                        | 16.9       | 75        | 3.5         | 186       | 13           |
| 01/05/24 17:25 | 0           | 1                        | 1                        | 1                        | 16.9       | 76        | 3.6         | 174       | 15           |
| 01/05/24 17:30 | 0           | 1                        | 1                        | 0                        | 16.8       | 76        | 3.9         | 175       | 15           |
| 01/05/24 17:35 | 0           | 1                        | 1                        | 0                        | 16.8       | 77        | 3.4         | 171       | 19           |
| 01/05/24 17:40 | 0           | 1                        | 1                        | 0                        | 16.6       | 77        | 3.2         | 171       | 21           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 01/05/24 17:45 | 0           | 1                        | 1                        | 0                        | 16.7       | 77        | 3.6         | 177       | 17           |
| 01/05/24 17:50 | 0           | 1                        | 1                        | 1                        | 16.6       | 77        | 3.9         | 172       | 19           |
| 01/05/24 17:55 | 0           | 1                        | 1                        | 1                        | 16.5       | 77        | 3.3         | 166       | 22           |
| 01/05/24 18:00 | 0           | 1                        | 1                        | 1                        | 16.5       | 77        | 3.1         | 159       | 25           |
| 01/05/24 18:05 | 0           | 1                        | 1                        | 1                        | 16.5       | 74        | 5.3         | 144       | 14           |
| 01/05/24 18:10 | 0           | 1                        | 1                        | 1                        | 16.5       | 74        | 6.5         | 141       | 11           |
| 01/05/24 18:15 | 0           | 1                        | 1                        | 1                        | 16.5       | 74        | 6.1         | 140       | 11           |
| 01/05/24 18:20 | 0           | 1                        | 1                        | 1                        | 16.5       | 74        | 5.8         | 141       | 11           |
| 01/05/24 18:25 | 0           | 1                        | 1                        | 1                        | 16.4       | 74        | 6.3         | 141       | 9            |
| 01/05/24 18:30 | 0           | 1                        | 1                        | 1                        | 16.4       | 74        | 5.8         | 144       | 13           |
| 01/05/24 18:35 | 0           | 1                        | 1                        | 1                        | 16.4       | 75        | 5.3         | 145       | 19           |
| 01/05/24 18:40 | 0           | 1                        | 1                        | 1                        | 16.4       | 75        | 5.0         | 147       | 19           |
| 01/05/24 18:45 | 0           | 1                        | 1                        | 1                        | 16.4       | 76        | 4.8         | 147       | 18           |
| 01/05/24 18:50 | 0           | 1                        | 1                        | 1                        | 16.3       | 77        | 5.0         | 147       | 19           |
| 01/05/24 18:55 | 0           | 1                        | 1                        | 1                        | 16.3       | 77        | 4.8         | 146       | 18           |
| 01/05/24 19:00 | 0           | 1                        | 1                        | 1                        | 16.2       | 76        | 6.0         | 143       | 11           |
| 01/05/24 19:05 | 0           | 1                        | 1                        | 1                        | 16.2       | 77        | 5.2         | 146       | 14           |
| 01/05/24 19:10 | 0           | 1                        | 1                        | 1                        | 16.3       | 76        | 4.8         | 144       | 17           |
| 01/05/24 19:15 | 0           | 1                        | 1                        | 1                        | 16.2       | 76        | 5.2         | 147       | 14           |
| 01/05/24 19:20 | 0           | 2                        | 2                        | 0                        | 16.2       | 76        | 5.0         | 145       | 13           |
| 01/05/24 19:25 | 0           | 2                        | 2                        | 0                        | 16.1       | 77        | 5.1         | 144       | 15           |
| 01/05/24 19:30 | 0           | 2                        | 2                        | 0                        | 16.1       | 77        | 4.7         | 144       | 13           |
| 01/05/24 19:35 | 0           | 2                        | 2                        | 0                        | 16.0       | 76        | 5.1         | 142       | 11           |
| 01/05/24 19:40 | 0           | 2                        | 2                        | 0                        | 16.0       | 78        | 4.6         | 143       | 14           |
| 01/05/24 19:45 | 0           | 2                        | 2                        | 0                        | 15.9       | 77        | 4.7         | 145       | 14           |
| 01/05/24 19:50 | 0           | 2                        | 3                        | 0                        | 16.0       | 76        | 5.0         | 142       | 12           |
| 01/05/24 19:55 | 0           | 2                        | 2                        | 0                        | 16.0       | 76        | 5.2         | 141       | 11           |
| 01/05/24 20:00 | 0           | 2                        | 2                        | 0                        | 15.9       | 77        | 4.3         | 145       | 17           |
| 01/05/24 20:05 | 0           | 2                        | 2                        | 0                        | 15.9       | 76        | 5.3         | 141       | 11           |
| 01/05/24 20:10 | 0           | 2                        | 2                        | 0                        | 15.9       | 75        | 5.7         | 140       | 8            |
| 01/05/24 20:15 | 0           | 2                        | 2                        | 1                        | 15.8       | 76        | 5.4         | 139       | 8            |
| 01/05/24 20:20 | 0           | 2                        | 2                        | 1                        | 15.8       | 76        | 5.6         | 139       | 10           |
| 01/05/24 20:25 | 0           | 2                        | 2                        | 1                        | 15.9       | 76        | 5.6         | 140       | 11           |
| 01/05/24 20:30 | 0           | 2                        | 2                        | 1                        | 15.8       | 76        | 5.7         | 139       | 9            |
| 01/05/24 20:35 | 0           | 2                        | 2                        | 1                        | 15.7       | 77        | 5.2         | 138       | 8            |
| 01/05/24 20:40 | 0           | 2                        | 2                        | 1                        | 15.6       | 76        | 5.1         | 136       | 11           |
| 01/05/24 20:45 | 0           | 2                        | 2                        | 1                        | 15.6       | 77        | 4.4         | 138       | 12           |
| 01/05/24 20:50 | 0           | 2                        | 2                        | 1                        | 15.5       | 77        | 4.7         | 137       | 11           |
| 01/05/24 20:55 | 0           | 3                        | 3                        | 1                        | 15.5       | 77        | 4.6         | 137       | 9            |
| 01/05/24 21:00 | 0           | 3                        | 3                        | 1                        | 15.5       | 77        | 5.0         | 138       | 9            |
| 01/05/24 21:05 | 0           | 3                        | 3                        | 1                        | 15.4       | 77        | 4.8         | 135       | 11           |
| 01/05/24 21:10 | 0           | 3                        | 3                        | 1                        | 15.3       | 77        | 4.1         | 131       | 14           |
| 01/05/24 21:15 | 0           | 3                        | 3                        | 1                        | 15.2       | 78        | 3.8         | 131       | 14           |
| 01/05/24 21:20 | 0           | 3                        | 3                        | 1                        | 15.1       | 78        | 4.2         | 131       | 14           |
| 01/05/24 21:25 | 0           | 3                        | 4                        | 1                        | 15.1       | 79        | 4.4         | 132       | 10           |
| 01/05/24 21:30 | 0           | 4                        | 4                        | 1                        | 15.0       | 79        | 3.9         | 132       | 12           |
| 01/05/24 21:35 | 0           | 4                        | 4                        | 0                        | 15.0       | 79        | 3.4         | 130       | 15           |
| 01/05/24 21:40 | 0           | 4                        | 4                        | 0                        | 15.0       | 80        | 2.9         | 130       | 19           |
| 01/05/24 21:45 | 0           | 4                        | 4                        | 0                        | 14.8       | 79        | 4.1         | 132       | 13           |
| 01/05/24 21:50 | 0           | 4                        | 4                        | 0                        | 14.8       | 79        | 3.7         | 131       | 16           |
| 01/05/24 21:55 | 0           | 4                        | 4                        | 0                        | 14.7       | 79        | 4.5         | 133       | 12           |
| 01/05/24 22:00 | 0           | 4                        | 4                        | 0                        | 14.7       | 80        | 4.6         | 136       | 13           |
| 01/05/24 22:05 | 0           | 4                        | 4                        | 0                        | 14.8       | 79        | 4.8         | 139       | 13           |
| 01/05/24 22:10 | 0           | 4                        | 4                        | 0                        | 14.7       | 80        | 3.5         | 128       | 17           |
| 01/05/24 22:15 | 0           | 4                        | 4                        | 0                        | 14.6       | 81        | 3.0         | 123       | 16           |
| 01/05/24 22:20 | 0           | 4                        | 4                        | 0                        | 14.5       | 81        | 3.3         | 127       | 16           |
| 01/05/24 22:25 | 0           | 4                        | 4                        | 0                        | 14.5       | 81        | 2.7         | 128       | 19           |
| 01/05/24 22:30 | 0           | 4                        | 4                        | 0                        | 14.5       | 81        | 3.3         | 131       | 16           |
| 01/05/24 22:35 | 0           | 4                        | 4                        | 0                        | 14.5       | 81        | 3.6         | 130       | 14           |
| 01/05/24 22:40 | 0           | 4                        | 4                        | 0                        | 14.4       | 81        | 3.9         | 128       | 16           |
| 01/05/24 22:45 | 0           | 4                        | 4                        | 0                        | 14.4       | 80        | 3.6         | 125       | 13           |
| 01/05/24 22:50 | 0           | 4                        | 4                        | 0                        | 14.3       | 81        | 3.0         | 128       | 16           |
| 01/05/24 22:55 | 0           | 4                        | 4                        | 1                        | 14.2       | 82        | 3.7         | 135       | 14           |
| 01/05/24 23:00 | 0           | 4                        | 4                        | 1                        | 14.3       | 82        | 3.9         | 136       | 14           |
| 01/05/24 23:05 | 0           | 4                        | 4                        | 1                        | 14.4       | 82        | 4.6         | 135       | 11           |
| 01/05/24 23:10 | 0           | 4                        | 4                        | 1                        | 14.3       | 82        | 4.1         | 135       | 14           |
| 01/05/24 23:15 | 0           | 4                        | 4                        | 0                        | 14.3       | 82        | 4.1         | 132       | 16           |
| 01/05/24 23:20 | 0           | 4                        | 4                        | 0                        | 14.2       | 82        | 3.8         | 132       | 16           |
| 01/05/24 23:25 | 0           | 4                        | 4                        | 0                        | 14.2       | 82        | 4.9         | 134       | 12           |
| 01/05/24 23:30 | 0           | 4                        | 4                        | 0                        | 14.2       | 82        | 4.3         | 136       | 12           |
| 01/05/24 23:35 | 0           | 4                        | 4                        | 0                        | 14.2       | 82        | 4.4         | 138       | 13           |
| 01/05/24 23:40 | 0           | 4                        | 4                        | 0                        | 14.1       | 82        | 4.1         | 133       | 17           |
| 01/05/24 23:45 | 0           | 4                        | 4                        | 0                        | 14.1       | 82        | 4.7         | 135       | 11           |
| 01/05/24 23:50 | 0           | 4                        | 4                        |                          | 14.1       | 83        | 4.3         | 138       | 10           |
| 01/05/24 23:55 | 0           | 4                        | 4                        |                          | 14.0       | 83        | 4.1         | 137       | 13           |
| 02/05/24 00:00 | 0           | 4                        | 5                        | 0                        | 13.9       | 83        | 4.1         | 140       | 13           |
| 02/05/24 00:05 | 0           | 5                        | 5                        | 1                        | 14.0       | 83        | 4.0         | 140       | 13           |
| 02/05/24 00:10 | 0           | 5                        | 5                        | 1                        | 14.0       | 83        | 4.1         | 143       | 16           |
| 02/05/24 00:15 | 0           | 5                        | 5                        | 1                        | 13.9       | 83        | 3.4         | 148       | 22           |
| 02/05/24 00:20 | 0           | 5                        | 5                        | 1                        | 13.8       | 83        | 4.2         | 142       | 16           |
| 02/05/24 00:25 | 0           | 5                        | 5                        | 1                        | 13.9       | 83        | 4.6         | 141       | 15           |
| 02/05/24 00:30 | 0           | 5                        | 5                        | 1                        | 13.8       | 83        | 4.9         | 140       | 12           |
| 02/05/24 00:35 | 0           | 5                        | 5                        | 1                        | 13.8       | 83        | 5.1         | 140       | 14           |
| 02/05/24 00:40 | 0           | 4                        | 5                        | 1                        | 13.7       | 83        | 5.9         | 140       | 9            |
| 02/05/24 00:45 | 0           | 4                        | 4                        | 1                        | 13.6       | 83        | 5.2         | 142       | 13           |
| 02/05/24 00:50 | 0           | 4                        | 4                        | 1                        | 13.6       | 84        | 5.1         | 140       | 11           |
| 02/05/24 00:55 | 0           | 4                        | 4                        | 1                        | 13.6       | 84        | 4.5         | 140       | 12           |
| 02/05/24 01:00 | 0           | 4                        | 4                        | 1                        | 13.8       | 84        | 4.6         | 137       | 11           |
| 02/05/24 01:05 |             |                          |                          |                          | 13.6       | 83        | 4.6         | 138       | 11           |
| 02/05/24 01:10 |             |                          |                          |                          | 13.5       | 84        | 3.4         | 130       | 19           |
| 02/05/24 01:15 |             |                          |                          |                          | 13.4       | 84        | 3.3         | 113       | 12           |
| 02/05/24 01:20 |             |                          |                          |                          | 12.9       | 83        | 2.2         | 87        | 17           |
| 02/05/24 01:25 |             |                          |                          |                          | 12.7       | 84        | 1.6         | 101       | 13           |
| 02/05/24 01:30 |             |                          |                          |                          | 12.6       | 85        | 1.7         | 105       | 7            |
| 02/05/24 01:35 |             |                          |                          |                          | 12.5       | 86        | 1.5         | 101       | 15           |
| 02/05/24 01:40 |             |                          |                          |                          | 12.3       | 86        | 1.6         | 95        | 14           |
| 02/05/24 01:45 |             |                          |                          |                          | 12.2       | 87        | 2.3         | 105       | 10           |
| 02/05/24 01:50 |             |                          |                          |                          | 12.3       | 88        | 2.0         | 110       | 8            |
| 02/05/24 01:55 |             |                          |                          |                          | 12.1       | 87        | 1.8         | 96        | 10           |
| 02/05/24 02:00 |             |                          |                          |                          | 12.0       | 87        | 1.8         | 91        | 11           |
| 02/05/24 02:05 | 0           | 5                        | 5                        | 1                        | 12.0       | 87        | 1.7         | 84        | 12           |
| 02/05/24 02:10 | 0           | 5                        | 5                        | 1                        | 12.0       | 87        | 1.5         | 100       | 19           |
| 02/05/24 02:15 | 0           | 5                        | 5                        | 1                        | 11.9       | 88        | 1.4         | 110       | 16           |
| 02/05/24 02:20 | 0           | 5                        | 5                        | 1                        | 12.0       | 88        | 2.3         | 113       | 11           |
| 02/05/24 02:25 | 0           | 5                        | 6                        | 1                        | 11.9       | 88        | 1.5         | 100       | 17           |
| 02/05/24 02:30 | 0           | 6                        | 6                        | 1                        | 11.7       | 88        | 1.9         | 99        | 14           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 02/05/24 02:35 | 0           | 6                        | 6                        | 1                        | 11.6       | 88        | 1.8         | 97        | 8            |
| 02/05/24 02:40 | 0           | 6                        | 6                        | 1                        | 11.5       | 89        | 1.9         | 105       | 9            |
| 02/05/24 02:45 | 0           | 7                        | 7                        | 1                        | 11.6       | 90        | 1.4         | 115       | 16           |
| 02/05/24 02:50 | 0           | 7                        | 7                        | 1                        | 11.6       | 90        | 1.8         | 116       | 15           |
| 02/05/24 02:55 | 0           | 7                        | 7                        | 1                        | 11.6       | 90        | 1.4         | 121       | 18           |
| 02/05/24 03:00 | 0           | 7                        | 7                        | 1                        | 11.6       | 90        | 1.3         | 122       | 17           |
| 02/05/24 03:05 | 0           | 8                        | 8                        | 1                        | 11.6       | 90        | 1.7         | 136       | 16           |
| 02/05/24 03:10 | 0           | 8                        | 8                        | 1                        | 11.6       | 90        | 1.7         | 137       | 16           |
| 02/05/24 03:15 | 0           | 8                        | 8                        | 1                        | 11.5       | 90        | 1.7         | 133       | 13           |
| 02/05/24 03:20 | 0           | 8                        | 8                        | 1                        | 11.6       | 90        | 1.4         | 132       | 18           |
| 02/05/24 03:25 | 0           | 8                        | 8                        | 1                        | 11.6       | 91        | 1.3         | 116       | 15           |
| 02/05/24 03:30 | 0           | 8                        | 8                        | 1                        | 11.5       | 91        | 1.8         | 122       | 10           |
| 02/05/24 03:35 | 0           | 8                        | 8                        | 1                        | 11.5       | 91        | 2.0         | 116       | 8            |
| 02/05/24 03:40 | 0           | 8                        | 8                        | 1                        | 11.5       | 91        | 1.4         | 117       | 19           |
| 02/05/24 03:45 | 0           | 8                        | 8                        | 1                        | 11.4       | 91        | 1.4         | 121       | 24           |
| 02/05/24 03:50 | 0           | 8                        | 8                        | 1                        | 11.4       | 91        | 1.3         | 121       | 18           |
| 02/05/24 03:55 | 0           | 8                        | 8                        | 1                        | 11.2       | 91        | 1.4         | 126       | 17           |
| 02/05/24 04:00 | 0           | 8                        | 8                        | 1                        | 11.3       | 92        | 1.5         | 123       | 16           |
| 02/05/24 04:05 | 0           | 9                        | 9                        | 1                        | 11.2       | 92        | 2.0         | 126       | 17           |
| 02/05/24 04:10 | 0           | 9                        | 9                        | 1                        | 11.2       | 92        | 1.7         | 120       | 21           |
| 02/05/24 04:15 | 0           | 8                        | 8                        | 1                        | 11.2       | 92        | 2.2         | 118       | 14           |
| 02/05/24 04:20 | 0           | 8                        | 8                        | 1                        | 11.3       | 92        | 1.8         | 116       | 20           |
| 02/05/24 04:25 | 0           | 7                        | 8                        | 1                        | 11.2       | 92        | 1.9         | 121       | 19           |
| 02/05/24 04:30 | 0           | 7                        | 8                        | 1                        | 11.2       | 92        | 1.8         | 117       | 18           |
| 02/05/24 04:35 | 0           | 8                        | 8                        | 1                        | 11.1       | 93        | 2.6         | 126       | 16           |
| 02/05/24 04:40 | 0           | 8                        | 8                        | 1                        | 11.1       | 93        | 2.2         | 127       | 21           |
| 02/05/24 04:45 | 0           | 7                        | 7                        | 1                        | 11.1       | 93        | 2.0         | 121       | 19           |
| 02/05/24 04:50 | 0           | 7                        | 7                        | 1                        | 11.1       | 93        | 1.7         | 119       | 20           |
| 02/05/24 04:55 | 0           | 7                        | 7                        | 1                        | 11.0       | 93        | 2.5         | 113       | 9            |
| 02/05/24 05:00 | 0           | 7                        | 7                        | 1                        | 11.0       | 93        | 1.9         | 107       | 11           |
| 02/05/24 05:05 | 0           | 8                        | 8                        | 1                        | 10.7       | 92        | 2.2         | 97        | 6            |
| 02/05/24 05:10 | 0           | 7                        | 7                        | 1                        | 10.6       | 93        | 1.7         | 91        | 9            |
| 02/05/24 05:15 | 0           | 7                        | 7                        | 1                        | 10.5       | 93        | 1.7         | 72        | 11           |
| 02/05/24 05:20 | 0           | 7                        | 7                        | 1                        | 10.4       | 93        | 0.7         | 89        | 30           |
| 02/05/24 05:25 | 0           | 7                        | 7                        | 1                        | 10.6       | 94        | 0.9         | 126       | 22           |
| 02/05/24 05:30 | 0           | 7                        | 7                        | 1                        | 10.5       | 93        | 0.3         | 40        | 63           |
| 02/05/24 05:35 | 0           | 8                        | 8                        | 1                        | 10.5       | 94        | 0.6         | 110       | 55           |
| 02/05/24 05:40 | 0           | 8                        | 8                        | 1                        | 10.5       | 94        | 1.0         | 119       | 24           |
| 02/05/24 05:45 | 0           | 8                        | 8                        | 1                        | 10.5       | 94        | 0.9         | 150       | 23           |
| 02/05/24 05:50 | 0           | 8                        | 8                        | 1                        | 10.5       | 94        | 1.0         | 111       | 22           |
| 02/05/24 05:55 | 0           | 8                        | 8                        | 1                        | 10.6       | 94        | 1.6         | 103       | 11           |
| 02/05/24 06:00 | 0           | 8                        | 8                        | 1                        | 10.5       | 94        | 1.4         | 98        | 7            |
| 02/05/24 06:05 | 0           | 8                        | 8                        | 1                        | 10.5       | 94        | 1.2         | 110       | 9            |
| 02/05/24 06:10 | 0           | 9                        | 9                        | 1                        | 10.6       | 94        | 0.9         | 101       | 17           |
| 02/05/24 06:15 | 2           | 10                       | 12                       | 1                        | 10.6       | 94        | 1.9         | 95        | 11           |
| 02/05/24 06:20 | 2           | 12                       | 15                       | 1                        | 10.6       | 93        | 2.4         | 94        | 7            |
| 02/05/24 06:25 | 15          | 14                       | 29                       | 1                        | 10.6       | 92        | 3.0         | 99        | 4            |
| 02/05/24 06:30 | 25          | 12                       | 37                       | 1                        | 10.5       | 92        | 2.1         | 93        | 11           |
| 02/05/24 06:35 | 11          | 15                       | 26                       | 1                        | 10.6       | 92        | 2.2         | 91        | 10           |
| 02/05/24 06:40 | 12          | 15                       | 27                       | 1                        | 10.5       | 92        | 2.4         | 91        | 9            |
| 02/05/24 06:45 | 14          | 17                       | 31                       | 1                        | 10.5       | 91        | 2.1         | 84        | 12           |
| 02/05/24 06:50 | 14          | 15                       | 30                       | 1                        | 10.5       | 91        | 1.8         | 75        | 13           |
| 02/05/24 06:55 | 15          | 16                       | 31                       | 1                        | 10.4       | 92        | 1.6         | 78        | 17           |
| 02/05/24 07:00 | 14          | 16                       | 30                       | 1                        | 10.4       | 92        | 2.2         | 90        | 12           |
| 02/05/24 07:05 | 12          | 16                       | 28                       | 1                        | 10.5       | 93        | 1.9         | 99        | 10           |
| 02/05/24 07:10 | 10          | 17                       | 27                       | 1                        | 10.5       | 92        | 1.3         | 89        | 19           |
| 02/05/24 07:15 | 8           | 17                       | 25                       | 1                        | 10.5       | 92        | 1.2         | 96        | 18           |
| 02/05/24 07:20 | 7           | 17                       | 24                       | 1                        | 10.6       | 92        | 1.1         | 88        | 18           |
| 02/05/24 07:25 | 7           | 17                       | 24                       | 1                        | 10.6       | 92        | 0.9         | 44        | 31           |
| 02/05/24 07:30 | 8           | 17                       | 25                       | 1                        | 10.6       | 92        | 0.7         | 19        | 12           |
| 02/05/24 07:35 | 9           | 17                       | 26                       | 1                        | 10.7       | 92        | 0.3         | 15        | 36           |
| 02/05/24 07:40 | 10          | 17                       | 27                       | 1                        | 10.7       | 92        | 0.5         | 358       | 21           |
| 02/05/24 07:45 | 10          | 17                       | 28                       | 1                        | 10.8       | 92        | 0.6         | 43        | 37           |
| 02/05/24 07:50 | 12          | 18                       | 29                       | 1                        | 10.8       | 91        | 1.0         | 8         | 23           |
| 02/05/24 07:55 | 13          | 17                       | 30                       | 1                        | 10.8       | 91        | 1.3         | 5         | 16           |
| 02/05/24 08:00 | 13          | 17                       | 30                       | 1                        | 10.9       | 91        | 0.6         | 16        | 35           |
| 02/05/24 08:05 | 14          | 18                       | 32                       | 1                        | 10.9       | 90        | 0.7         | 50        | 25           |
| 02/05/24 08:10 | 19          | 23                       | 41                       | 1                        | 11.0       | 90        | 1.0         | 58        | 17           |
| 02/05/24 08:15 | 17          | 18                       | 35                       | 1                        | 11.0       | 90        | 0.9         | 64        | 28           |
| 02/05/24 08:20 | 39          | 19                       | 58                       | 1                        | 11.1       | 90        | 1.1         | 73        | 17           |
| 02/05/24 08:25 | 181         | 25                       | 206                      | 1                        | 11.2       | 89        | 1.7         | 92        | 14           |
| 02/05/24 08:30 | 162         | 60                       | 222                      | 2                        | 11.3       | 89        | 2.4         | 98        | 8            |
| 02/05/24 08:35 | 12          | 16                       | 27                       | 1                        | 11.2       | 89        | 1.8         | 86        | 15           |
| 02/05/24 08:40 | 12          | 16                       | 28                       | 1                        | 11.2       | 89        | 1.4         | 98        | 16           |
| 02/05/24 08:45 | 13          | 16                       | 28                       | 1                        | 11.2       | 89        | 1.9         | 90        | 10           |
| 02/05/24 08:50 | 13          | 16                       | 29                       | 1                        | 11.2       | 89        | 1.3         | 104       | 13           |
| 02/05/24 08:55 | 14          | 17                       | 30                       | 1                        | 11.4       | 88        | 1.6         | 101       | 12           |
| 02/05/24 09:00 | 14          | 17                       | 31                       | 1                        | 11.4       | 88        | 1.0         | 84        | 18           |
| 02/05/24 09:05 | 15          | 17                       | 32                       | 1                        | 11.5       | 88        | 1.3         | 84        | 15           |
| 02/05/24 09:10 | 15          | 17                       | 32                       | 1                        | 11.5       | 88        | 1.3         | 87        | 26           |
| 02/05/24 09:15 | 16          | 18                       | 34                       | 1                        | 11.6       | 87        | 1.1         | 44        | 20           |
| 02/05/24 09:20 | 25          | 22                       | 46                       | 1                        | 11.5       | 87        | 0.2         | 46        | 64           |
| 02/05/24 09:25 | 22          | 17                       | 39                       | 1                        | 11.6       | 87        | 1.2         | 98        | 18           |
| 02/05/24 09:30 | 17          | 17                       | 34                       | 1                        | 11.7       | 86        | 1.2         | 100       | 23           |
| 02/05/24 09:35 | 23          | 21                       | 44                       | 1                        | 11.7       | 87        | 1.7         | 110       | 19           |
| 02/05/24 09:40 | 17          | 14                       | 31                       | 1                        | 11.6       | 86        | 1.7         | 102       | 13           |
| 02/05/24 09:45 | 19          | 14                       | 33                       | 1                        | 11.6       | 87        | 2.3         | 109       | 9            |
| 02/05/24 09:50 | 14          | 19                       | 33                       | 1                        | 11.7       | 87        | 1.8         | 113       | 13           |
| 02/05/24 09:55 | 16          | 17                       | 33                       | 1                        | 11.9       | 86        | 1.9         | 91        | 16           |
| 02/05/24 10:00 | 17          | 17                       | 34                       | 1                        | 11.8       | 85        | 2.4         | 101       | 8            |
| 02/05/24 10:05 | 16          | 17                       | 33                       | 1                        | 11.8       | 86        | 1.8         | 114       | 10           |
| 02/05/24 10:10 | 28          | 8                        | 35                       | 1                        | 11.9       | 85        | 1.1         | 95        | 15           |
| 02/05/24 10:15 | 22          | 23                       | 45                       | 1                        | 11.8       | 85        | 1.0         | 115       | 17           |
| 02/05/24 10:20 | 19          | 17                       | 36                       | 1                        | 12.0       | 85        | 1.1         | 132       | 26           |
| 02/05/24 10:25 | 23          | 17                       | 40                       | 1                        | 12.1       | 84        | 1.0         | 127       | 16           |
| 02/05/24 10:30 | 33          | 20                       | 54                       | 1                        | 12.1       | 84        | 1.3         | 139       | 16           |
| 02/05/24 10:35 | 26          | 19                       | 45                       | 1                        | 12.1       | 84        | 1.1         | 120       | 21           |
| 02/05/24 10:40 | 19          | 19                       | 38                       | 1                        | 12.2       | 84        | 1.6         | 117       | 9            |
| 02/05/24 10:45 | 18          | 19                       | 37                       | 1                        | 12.2       | 83        | 1.2         | 122       | 15           |
| 02/05/24 10:50 | 20          | 18                       | 39                       | 1                        | 12.3       | 83        | 1.0         | 101       | 16           |
| 02/05/24 10:55 | 20          | 18                       | 39                       | 1                        | 12.4       | 82        | 0.5         | 116       | 31           |
| 02/05/24 11:00 | 21          | 20                       | 41                       | 1                        | 12.5       | 82        | 0.5         | 141       | 49           |
| 02/05/24 11:05 | 22          | 18                       | 40                       | 1                        | 12.6       | 82        | 1.1         | 32        | 41           |
| 02/05/24 11:10 | 24          | 19                       | 43                       | 1                        | 12.5       | 81        | 1.1         | 101       | 28           |
| 02/05/24 11:15 | 24          | 19                       | 43                       | 1                        | 12.7       | 81        | 0.9         | 122       | 15           |
| 02/05/24 11:20 | 24          | 18                       | 43                       | 1                        | 12.8       | 80        | 0.7         | 84        | 33           |

Station Pier Ambient Air Quality Monitoring

May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 02/05/24 11:25 | 23          | 17                       | 41                       | 1                        | 12.8       | 80        | 0.6         | 338       | 56           |
| 02/05/24 11:30 | 23          | 18                       | 41                       | 1                        | 13.0       | 80        | 1.0         | 313       | 40           |
| 02/05/24 11:35 | 23          | 18                       | 41                       | 1                        | 12.8       | 79        | 1.2         | 290       | 28           |
| 02/05/24 11:40 | 23          | 17                       | 41                       | 1                        | 12.9       | 79        | 0.9         | 250       | 29           |
| 02/05/24 11:45 | 23          | 17                       | 39                       | 1                        | 13.3       | 76        | 1.0         | 328       | 43           |
| 02/05/24 11:50 | 21          | 15                       | 36                       | 1                        | 13.5       | 75        | 1.2         | 309       | 28           |
| 02/05/24 11:55 | 19          | 15                       | 34                       | 1                        | 13.4       | 76        | 1.5         | 294       | 19           |
| 02/05/24 12:00 | 19          | 15                       | 34                       | 1                        | 13.1       | 76        | 1.3         | 293       | 17           |
| 02/05/24 12:05 | 20          | 16                       | 35                       | 1                        | 12.9       | 77        | 1.2         | 248       | 13           |
| 02/05/24 12:10 | 21          | 16                       | 36                       | 1                        | 13.1       | 77        | 1.2         | 242       | 20           |
| 02/05/24 12:15 | 21          | 16                       | 37                       | 1                        | 13.3       | 76        | 1.9         | 252       | 10           |
| 02/05/24 12:20 | 22          | 16                       | 37                       | 1                        | 13.4       | 76        | 2.1         | 268       | 14           |
| 02/05/24 12:25 | 22          | 16                       | 37                       | 1                        | 13.5       | 76        | 2.4         | 276       | 21           |
| 02/05/24 12:30 | 21          | 16                       | 37                       | 1                        | 13.6       | 75        | 1.1         | 270       | 26           |
| 02/05/24 12:35 | 21          | 16                       | 37                       | 1                        | 13.8       | 74        | 1.5         | 260       | 12           |
| 02/05/24 12:40 | 21          | 16                       | 36                       | 1                        | 14.1       | 72        | 1.2         | 271       | 22           |
| 02/05/24 12:45 | 20          | 15                       | 36                       | 1                        | 14.2       | 73        | 1.0         | 259       | 34           |
| 02/05/24 12:50 | 20          | 15                       | 35                       | 1                        | 14.7       | 72        | 1.1         | 46        | 63           |
| 02/05/24 12:55 | 21          | 20                       | 41                       | 1                        | 14.6       | 73        | 1.6         | 171       | 23           |
| 02/05/24 13:00 | 24          | 19                       | 43                       | 1                        | 14.7       | 73        | 1.7         | 188       | 22           |
| 02/05/24 13:05 | 31          | 21                       | 52                       | 1                        | 15.0       | 72        | 1.1         | 175       | 33           |
| 02/05/24 13:10 | 23          | 17                       | 40                       | 1                        | 15.5       | 69        | 1.4         | 181       | 23           |
| 02/05/24 13:15 | 33          | 17                       | 50                       | 1                        | 15.7       | 66        | 1.2         | 163       | 22           |
| 02/05/24 13:20 | 25          | 18                       | 43                       | 1                        | 16.0       | 66        | 1.1         | 165       | 27           |
| 02/05/24 13:25 | 30          | 22                       | 52                       | 1                        | 16.4       | 64        | 1.0         | 165       | 32           |
| 02/05/24 13:30 | 29          | 19                       | 48                       | 1                        | 16.7       | 62        | 1.0         | 148       | 22           |
| 02/05/24 13:35 | 27          | 17                       | 43                       | 1                        | 16.9       | 61        | 0.9         | 144       | 20           |
| 02/05/24 13:40 | 21          | 19                       | 40                       | 1                        | 16.9       | 62        | 0.8         | 158       | 28           |
| 02/05/24 13:45 | 26          | 20                       | 46                       | 1                        | 17.1       | 62        | 1.1         | 183       | 21           |
| 02/05/24 13:50 | 24          | 18                       | 42                       | 1                        | 16.6       | 64        | 1.5         | 175       | 19           |
| 02/05/24 13:55 | 19          | 20                       | 39                       | 2                        | 16.4       | 67        | 1.7         | 184       | 21           |
| 02/05/24 14:00 | 20          | 19                       | 39                       | 2                        | 16.7       | 66        | 1.6         | 185       | 18           |
| 02/05/24 14:05 | 22          | 18                       | 41                       | 2                        | 16.8       | 65        | 1.4         | 179       | 23           |
| 02/05/24 14:10 | 22          | 18                       | 40                       | 2                        | 16.7       | 66        | 1.8         | 199       | 14           |
| 02/05/24 14:15 | 20          | 17                       | 37                       | 2                        | 16.2       | 69        | 2.7         | 200       | 9            |
| 02/05/24 14:20 | 20          | 17                       | 37                       | 2                        | 15.5       | 71        | 3.0         | 206       | 4            |
| 02/05/24 14:25 | 20          | 17                       | 37                       | 1                        | 15.1       | 74        | 3.0         | 207       | 5            |
| 02/05/24 14:30 | 22          | 17                       | 39                       | 2                        | 15.0       | 74        | 2.6         | 202       | 3            |
| 02/05/24 14:35 | 22          | 17                       | 39                       | 2                        | 15.2       | 73        | 2.8         | 202       | 3            |
| 02/05/24 14:40 | 22          | 18                       | 40                       | 2                        | 15.5       | 73        | 2.4         | 202       | 8            |
| 02/05/24 14:45 | 22          | 18                       | 40                       | 2                        | 15.9       | 71        | 2.8         | 200       | 8            |
| 02/05/24 14:50 | 33          | 34                       | 68                       | 1                        | 15.9       | 72        | 2.8         | 201       | 5            |
| 02/05/24 14:55 | 37          | 19                       | 57                       | 2                        | 15.7       | 72        | 3.2         | 200       | 3            |
| 02/05/24 15:00 | 25          | 21                       | 46                       | 2                        | 15.4       | 74        | 3.2         | 204       | 3            |
| 02/05/24 15:05 | 24          | 19                       | 44                       | 2                        | 15.4       | 75        | 3.3         | 203       | 3            |
| 02/05/24 15:10 | 24          | 20                       | 43                       | 2                        | 15.4       | 74        | 3.3         | 201       | 3            |
| 02/05/24 15:15 | 23          | 20                       | 44                       | 2                        | 15.7       | 75        | 3.2         | 201       | 5            |
| 02/05/24 15:20 | 24          | 21                       | 44                       | 2                        | 15.8       | 75        | 3.2         | 202       | 4            |
| 02/05/24 15:25 | 24          | 21                       | 45                       | 2                        | 15.7       | 74        | 3.0         | 203       | 4            |
| 02/05/24 15:30 | 24          | 21                       | 45                       | 2                        | 15.6       | 75        | 3.0         | 203       | 3            |
| 02/05/24 15:35 | 23          | 21                       | 44                       | 2                        | 15.6       | 76        | 3.0         | 205       | 4            |
| 02/05/24 15:40 | 23          | 21                       | 43                       | 2                        | 15.4       | 76        | 2.9         | 207       | 5            |
| 02/05/24 15:45 | 22          | 21                       | 42                       | 2                        | 15.7       | 75        | 2.7         | 204       | 5            |
| 02/05/24 15:50 | 20          | 21                       | 41                       | 2                        | 15.8       | 73        | 2.8         | 204       | 5            |
| 02/05/24 15:55 | 19          | 20                       | 40                       | 2                        | 15.7       | 70        | 2.4         | 211       | 4            |
| 02/05/24 16:00 | 18          | 20                       | 38                       | 2                        | 15.7       | 69        | 1.9         | 239       | 10           |
| 02/05/24 16:05 | 16          | 20                       | 36                       | 2                        | 16.0       | 70        | 1.5         | 252       | 8            |
| 02/05/24 16:10 | 15          | 21                       | 36                       | 2                        | 16.0       | 70        | 1.5         | 227       | 5            |
| 02/05/24 16:15 | 42          | 25                       | 67                       | 2                        | 16.1       | 68        | 1.0         | 232       | 5            |
| 02/05/24 16:20 | 36          | 29                       | 65                       | 2                        | 16.2       | 68        | 1.3         | 206       | 6            |
| 02/05/24 16:25 | 30          | 27                       | 58                       | 2                        | 16.5       | 68        | 1.6         | 214       | 6            |
| 02/05/24 16:30 | 17          | 21                       | 38                       | 2                        | 16.2       | 67        | 1.2         | 218       | 4            |
| 02/05/24 16:35 | 11          | 20                       | 31                       | 2                        | 16.4       | 68        | 1.0         | 216       | 4            |
| 02/05/24 16:40 | 9           | 20                       | 29                       | 2                        | 16.3       | 68        | 0.9         | 201       | 15           |
| 02/05/24 16:45 | 9           | 20                       | 29                       | 2                        | 16.6       | 70        | 1.7         | 191       | 13           |
| 02/05/24 16:50 | 8           | 20                       | 29                       | 2                        | 16.6       | 68        | 1.8         | 187       | 11           |
| 02/05/24 16:55 | 8           | 21                       | 29                       | 1                        | 16.3       | 70        | 2.0         | 202       | 6            |
| 02/05/24 17:00 | 8           | 21                       | 29                       | 1                        | 16.0       | 73        | 2.4         | 205       | 6            |
| 02/05/24 17:05 | 8           | 21                       | 29                       | 1                        | 15.8       | 74        | 2.5         | 206       | 8            |
| 02/05/24 17:10 | 8           | 22                       | 29                       | 1                        | 15.7       | 75        | 2.7         | 197       | 5            |
| 02/05/24 17:15 | 7           | 22                       | 29                       | 1                        | 15.7       | 74        | 2.9         | 195       | 5            |
| 02/05/24 17:20 | 6           | 22                       | 29                       | 1                        | 15.6       | 76        | 3.4         | 200       | 5            |
| 02/05/24 17:25 | 6           | 23                       | 29                       | 1                        | 15.4       | 78        | 3.3         | 200       | 4            |
| 02/05/24 17:30 | 6           | 23                       | 29                       | 1                        | 15.2       | 79        | 3.1         | 203       | 7            |
| 02/05/24 17:35 | 5           | 24                       | 29                       | 1                        | 15.2       | 80        | 3.2         | 205       | 4            |
| 02/05/24 17:40 | 5           | 25                       | 29                       | 1                        | 15.0       | 80        | 2.6         | 201       | 7            |
| 02/05/24 17:45 | 4           | 25                       | 29                       | 1                        | 15.0       | 81        | 3.0         | 210       | 4            |
| 02/05/24 17:50 | 4           | 25                       | 29                       | 1                        | 14.9       | 82        | 2.7         | 206       | 6            |
| 02/05/24 17:55 | 3           | 25                       | 28                       | 1                        | 14.9       | 81        | 3.0         | 202       | 4            |
| 02/05/24 18:00 | 2           | 25                       | 28                       | 1                        | 14.9       | 81        | 2.7         | 205       | 6            |
| 02/05/24 18:05 | 39          | 14                       | 53                       | 1                        | 14.9       | 80        | 2.6         | 203       | 6            |
| 02/05/24 18:10 | 5           | 21                       | 26                       | 1                        | 14.9       | 80        | 2.4         | 201       | 5            |
| 02/05/24 18:15 | 1           | 24                       | 24                       | 1                        | 15.0       | 81        | 2.1         | 205       | 8            |
| 02/05/24 18:20 | 1           | 24                       | 24                       | 1                        | 15.0       | 81        | 2.2         | 204       | 7            |
| 02/05/24 18:25 | 1           | 23                       | 24                       | 1                        | 15.0       | 81        | 2.3         | 208       | 6            |
| 02/05/24 18:30 | 0           | 23                       | 23                       | 1                        | 15.0       | 81        | 2.2         | 209       | 6            |
| 02/05/24 18:35 | 0           | 22                       | 22                       | 1                        | 15.0       | 82        | 2.1         | 221       | 7            |
| 02/05/24 18:40 | 0           | 22                       | 22                       | 1                        | 15.0       | 81        | 2.0         | 219       | 5            |
| 02/05/24 18:45 | 0           | 21                       | 21                       | 1                        | 15.0       | 81        | 2.1         | 218       | 5            |
| 02/05/24 18:50 | 0           | 20                       | 20                       | 1                        | 15.0       | 82        | 2.0         | 220       | 6            |
| 02/05/24 18:55 | 0           | 20                       | 20                       | 1                        | 15.0       | 82        | 2.0         | 218       | 5            |
| 02/05/24 19:00 | 0           | 20                       | 20                       | 1                        | 14.9       | 83        | 1.7         | 218       | 5            |
| 02/05/24 19:05 | 0           | 20                       | 20                       | 1                        | 14.9       | 83        | 1.6         | 222       | 4            |
| 02/05/24 19:10 | 0           | 19                       | 19                       | 1                        | 14.9       | 83        | 1.6         | 224       | 3            |
| 02/05/24 19:15 | 0           | 19                       | 19                       | 1                        | 14.8       | 83        | 1.5         | 228       | 10           |
| 02/05/24 19:20 | 0           | 19                       | 19                       | 1                        | 14.8       | 84        | 1.1         | 244       | 9            |
| 02/05/24 19:25 | 0           | 20                       | 20                       | 1                        | 14.8       | 84        | 1.1         | 255       | 8            |
| 02/05/24 19:30 | 1           | 21                       | 21                       | 1                        | 14.7       | 84        | 1.0         | 262       | 14           |
| 02/05/24 19:35 | 11          | 22                       | 32                       | 1                        | 14.6       | 84        | 0.7         | 283       | 18           |
| 02/05/24 19:40 | 34          | 27                       | 60                       | 1                        | 14.3       | 85        | 0.9         | 283       | 14           |
| 02/05/24 19:45 | 43          | 26                       | 68                       | 1                        | 14.2       | 85        | 0.9         | 280       | 19           |
| 02/05/24 19:50 | 43          | 25                       | 68                       | 1                        | 14.1       | 86        | 0.8         | 284       | 23           |
| 02/05/24 19:55 | 44          | 25                       | 69                       | 1                        | 13.9       | 86        | 1.0         | 282       | 12           |
| 02/05/24 20:00 | 45          | 26                       | 71                       | 1                        | 13.8       | 85        | 1.2         | 278       | 10           |
| 02/05/24 20:05 | 45          | 27                       | 72                       | 1                        | 13.8       | 85        | 0.5         | 271       | 31           |
| 02/05/24 20:10 | 46          | 27                       | 73                       | 1                        | 13.7       | 86        | 1.0         | 279       | 9            |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 02/05/24 20:15 | 47          | 27                       | 74                       | 1                        | 13.7       | 85        | 0.9         | 298       | 12           |
| 02/05/24 20:20 | 46          | 27                       | 73                       | 1                        | 13.6       | 84        | 0.9         | 303       | 26           |
| 02/05/24 20:25 | 46          | 27                       | 73                       | 1                        | 13.2       | 85        | 0.4         | 337       | 43           |
| 02/05/24 20:30 | 47          | 27                       | 73                       | 1                        | 13.2       | 85        | 0.8         | 319       | 25           |
| 02/05/24 20:35 | 49          | 26                       | 75                       | 1                        | 12.9       | 85        | 0.4         | 329       | 31           |
| 02/05/24 20:40 | 51          | 25                       | 76                       | 2                        | 12.9       | 86        | 0.3         | 283       | 23           |
| 02/05/24 20:45 | 53          | 24                       | 77                       | 2                        | 12.8       | 86        | 0.1         | 116       | 78           |
| 02/05/24 20:50 | 47          | 29                       | 76                       | 1                        | 12.7       | 86        | 0.4         | 124       | 41           |
| 02/05/24 20:55 | 36          | 32                       | 68                       | 1                        | 12.7       | 85        | 1.1         | 115       | 19           |
| 02/05/24 21:00 | 19          | 24                       | 43                       | 1                        | 13.1       | 82        | 1.7         | 116       | 14           |
| 02/05/24 21:05 | 7           | 24                       | 31                       | 1                        | 13.7       | 79        | 1.9         | 108       | 10           |
| 02/05/24 21:10 | 10          | 25                       | 34                       | 2                        | 13.7       | 77        | 1.7         | 99        | 7            |
| 02/05/24 21:15 | 10          | 24                       | 34                       | 1                        | 13.6       | 76        | 1.1         | 110       | 12           |
| 02/05/24 21:20 | 9           | 24                       | 33                       | 1                        | 13.5       | 77        | 1.1         | 96        | 22           |
| 02/05/24 21:25 | 9           | 24                       | 33                       | 2                        | 13.4       | 76        | 1.5         | 88        | 10           |
| 02/05/24 21:30 | 7           | 24                       | 31                       | 2                        | 13.3       | 74        | 2.0         | 102       | 6            |
| 02/05/24 21:35 | 5           | 23                       | 28                       | 2                        | 13.5       | 75        | 1.6         | 106       | 9            |
| 02/05/24 21:40 | 4           | 23                       | 28                       | 1                        | 13.4       | 75        | 1.1         | 91        | 11           |
| 02/05/24 21:45 | 5           | 23                       | 28                       | 2                        | 13.1       | 76        | 0.9         | 86        | 8            |
| 02/05/24 21:50 | 6           | 23                       | 29                       | 2                        | 13.0       | 77        | 1.4         | 91        | 15           |
| 02/05/24 21:55 | 6           | 23                       | 29                       | 2                        | 13.0       | 77        | 1.7         | 104       | 7            |
| 02/05/24 22:00 | 5           | 23                       | 28                       | 2                        | 13.0       | 77        | 1.7         | 99        | 6            |
| 02/05/24 22:05 | 5           | 22                       | 27                       | 2                        | 12.9       | 77        | 1.4         | 89        | 4            |
| 02/05/24 22:10 | 5           | 22                       | 27                       | 2                        | 12.9       | 77        | 1.2         | 78        | 30           |
| 02/05/24 22:15 | 96          | 24                       | 120                      | 2                        | 12.6       | 81        | 1.2         | 12        | 11           |
| 02/05/24 22:20 | 108         | 34                       | 142                      | 2                        | 12.4       | 83        | 1.2         | 10        | 20           |
| 02/05/24 22:25 | 143         | 36                       | 179                      | 2                        | 12.1       | 85        | 1.4         | 6         | 8            |
| 02/05/24 22:30 | 152         | 35                       | 187                      | 2                        | 12.0       | 86        | 1.3         | 1         | 8            |
| 02/05/24 22:35 | 157         | 35                       | 192                      | 2                        | 11.9       | 86        | 1.4         | 357       | 8            |
| 02/05/24 22:40 | 156         | 35                       | 191                      | 2                        | 11.8       | 86        | 1.5         | 1         | 11           |
| 02/05/24 22:45 | 154         | 35                       | 190                      | 2                        | 11.7       | 87        | 1.5         | 346       | 14           |
| 02/05/24 22:50 | 152         | 35                       | 187                      | 2                        | 11.7       | 86        | 1.7         | 346       | 11           |
| 02/05/24 22:55 | 129         | 33                       | 162                      | 2                        | 11.7       | 86        | 1.8         | 345       | 14           |
| 02/05/24 23:00 | 112         | 28                       | 140                      | 2                        | 11.6       | 86        | 1.9         | 340       | 14           |
| 02/05/24 23:05 | 109         | 28                       | 137                      | 3                        | 11.6       | 87        | 1.5         | 345       | 12           |
| 02/05/24 23:10 | 108         | 28                       | 136                      | 3                        | 11.4       | 87        | 1.8         | 349       | 15           |
| 02/05/24 23:15 | 101         | 27                       | 127                      | 3                        | 11.4       | 86        | 1.6         | 350       | 15           |
| 02/05/24 23:20 | 90          | 25                       | 114                      | 3                        | 11.3       | 87        | 1.4         | 350       | 14           |
| 02/05/24 23:25 | 85          | 24                       | 110                      | 3                        | 11.2       | 87        | 1.1         | 337       | 22           |
| 02/05/24 23:30 | 83          | 25                       | 107                      | 2                        | 11.3       | 87        | 1.2         | 336       | 14           |
| 02/05/24 23:35 | 80          | 25                       | 105                      | 2                        | 11.1       | 87        | 1.1         | 338       | 19           |
| 02/05/24 23:40 | 78          | 25                       | 104                      | 3                        | 11.0       | 87        | 1.2         | 348       | 20           |
| 02/05/24 23:45 | 78          | 25                       | 102                      | 3                        | 10.9       | 88        | 1.3         | 342       | 20           |
| 02/05/24 23:50 | 76          | 24                       | 100                      |                          | 10.9       | 87        | 1.5         | 344       | 14           |
| 02/05/24 23:55 | 75          | 23                       | 98                       |                          | 10.9       | 87        | 1.6         | 352       | 12           |
| 03/05/24 00:00 | 73          | 22                       | 95                       | 2                        | 10.8       | 87        | 1.6         | 344       | 15           |
| 03/05/24 00:05 | 73          | 22                       | 95                       | 2                        | 10.7       | 87        | 1.9         | 345       | 15           |
| 03/05/24 00:10 | 73          | 22                       | 95                       | 2                        | 10.8       | 87        | 2.0         | 352       | 14           |
| 03/05/24 00:15 | 75          | 23                       | 97                       | 2                        | 10.7       | 87        | 2.1         | 355       | 11           |
| 03/05/24 00:20 | 77          | 27                       | 103                      | 2                        | 10.6       | 87        | 2.1         | 1         | 4            |
| 03/05/24 00:25 | 88          | 35                       | 124                      | 2                        | 10.5       | 88        | 2.1         | 3         | 7            |
| 03/05/24 00:30 | 108         | 24                       | 131                      | 2                        | 10.4       | 88        | 1.9         | 3         | 5            |
| 03/05/24 00:35 | 110         | 26                       | 137                      | 2                        | 10.5       | 89        | 1.7         | 360       | 7            |
| 03/05/24 00:40 | 112         | 27                       | 138                      | 2                        | 10.4       | 89        | 1.7         | 357       | 10           |
| 03/05/24 00:45 | 112         | 25                       | 137                      | 2                        | 10.3       | 89        | 1.8         | 354       | 9            |
| 03/05/24 00:50 | 110         | 25                       | 135                      | 2                        | 10.4       | 89        | 1.6         | 349       | 13           |
| 03/05/24 00:55 | 106         | 25                       | 131                      | 2                        | 10.4       | 88        | 1.9         | 356       | 12           |
| 03/05/24 01:00 | 79          | 25                       | 104                      | 2                        | 10.4       | 88        | 2.1         | 359       | 9            |
| 03/05/24 01:05 |             |                          |                          |                          | 10.4       | 88        | 1.9         | 358       | 11           |
| 03/05/24 01:10 |             |                          |                          |                          | 10.3       | 88        | 1.4         | 349       | 18           |
| 03/05/24 01:15 |             |                          |                          |                          | 10.3       | 88        | 1.5         | 349       | 13           |
| 03/05/24 01:20 |             |                          |                          |                          | 10.3       | 89        | 1.6         | 354       | 13           |
| 03/05/24 01:25 |             |                          |                          |                          | 10.2       | 89        | 2.0         | 355       | 12           |
| 03/05/24 01:30 |             |                          |                          |                          | 10.1       | 89        | 2.2         | 360       | 11           |
| 03/05/24 01:35 |             |                          |                          |                          | 10.0       | 89        | 2.3         | 360       | 15           |
| 03/05/24 01:40 |             |                          |                          |                          | 10.0       | 89        | 2.0         | 1         | 6            |
| 03/05/24 01:45 |             |                          |                          |                          | 9.8        | 90        | 2.0         | 2         | 6            |
| 03/05/24 01:50 |             |                          |                          |                          | 9.8        | 90        | 1.9         | 1         | 6            |
| 03/05/24 01:55 |             |                          |                          |                          | 9.8        | 91        | 1.3         | 359       | 13           |
| 03/05/24 02:00 |             |                          |                          |                          | 9.8        | 91        | 1.5         | 0         | 13           |
| 03/05/24 02:05 | 45          | 21                       | 66                       | 2                        | 9.8        | 91        | 1.0         | 359       | 26           |
| 03/05/24 02:10 | 47          | 20                       | 68                       | 1                        | 9.7        | 91        | 0.8         | 350       | 32           |
| 03/05/24 02:15 | 49          | 20                       | 68                       | 1                        | 9.8        | 91        | 1.0         | 360       | 16           |
| 03/05/24 02:20 | 47          | 20                       | 67                       | 1                        | 9.7        | 91        | 1.3         | 350       | 19           |
| 03/05/24 02:25 | 46          | 20                       | 66                       | 1                        | 9.8        | 91        | 0.7         | 335       | 30           |
| 03/05/24 02:30 | 45          | 21                       | 66                       | 1                        | 9.9        | 92        | 1.0         | 319       | 23           |
| 03/05/24 02:35 | 44          | 21                       | 65                       | 1                        | 9.9        | 91        | 0.6         | 327       | 36           |
| 03/05/24 02:40 | 42          | 21                       | 63                       | 1                        | 9.9        | 92        | 1.3         | 319       | 17           |
| 03/05/24 02:45 | 38          | 20                       | 58                       | 1                        | 9.9        | 92        | 1.3         | 321       | 19           |
| 03/05/24 02:50 | 35          | 18                       | 53                       | 1                        | 9.9        | 92        | 0.7         | 351       | 37           |
| 03/05/24 02:55 | 34          | 18                       | 52                       | 1                        | 9.7        | 92        | 1.0         | 359       | 27           |
| 03/05/24 03:00 | 35          | 18                       | 53                       | 1                        | 9.7        | 92        | 1.2         | 1         | 14           |
| 03/05/24 03:05 | 35          | 18                       | 53                       | 1                        | 9.7        | 92        | 1.3         | 330       | 15           |
| 03/05/24 03:10 | 37          | 18                       | 55                       | 1                        | 9.7        | 92        | 1.2         | 332       | 21           |
| 03/05/24 03:15 | 37          | 18                       | 56                       | 1                        | 9.8        | 92        | 0.7         | 339       | 30           |
| 03/05/24 03:20 | 37          | 18                       | 55                       | 1                        | 9.7        | 92        | 0.8         | 344       | 32           |
| 03/05/24 03:25 | 35          | 19                       | 54                       | 1                        | 9.6        | 92        | 0.9         | 8         | 21           |
| 03/05/24 03:30 | 34          | 18                       | 52                       | 1                        | 9.5        | 93        | 1.0         | 8         | 13           |
| 03/05/24 03:35 | 33          | 18                       | 51                       | 1                        | 9.3        | 93        | 1.1         | 5         | 13           |
| 03/05/24 03:40 | 32          | 18                       | 49                       | 1                        | 9.3        | 93        | 1.1         | 1         | 16           |
| 03/05/24 03:45 | 30          | 17                       | 47                       | 1                        | 9.3        | 94        | 1.0         | 7         | 15           |
| 03/05/24 03:50 | 28          | 15                       | 43                       | 1                        | 9.3        | 94        | 1.0         | 356       | 20           |
| 03/05/24 03:55 | 26          | 14                       | 40                       | 1                        | 9.4        | 94        | 1.0         | 357       | 24           |
| 03/05/24 04:00 | 20          | 16                       | 36                       | 1                        | 9.4        | 94        | 1.2         | 353       | 22           |
| 03/05/24 04:05 | 17          | 17                       | 34                       | 1                        | 9.4        | 94        | 0.7         | 350       | 27           |
| 03/05/24 04:10 | 20          | 16                       | 36                       | 1                        | 9.5        | 94        | 0.5         | 352       | 20           |
| 03/05/24 04:15 | 27          | 13                       | 40                       | 1                        | 9.4        | 94        | 0.5         | 351       | 39           |
| 03/05/24 04:20 | 31          | 16                       | 46                       | 1                        | 9.4        | 94        | 0.6         | 337       | 34           |
| 03/05/24 04:25 | 31          | 16                       | 47                       | 1                        | 9.4        | 94        | 0.7         | 355       | 28           |
| 03/05/24 04:30 | 31          | 17                       | 47                       | 1                        | 9.4        | 94        | 0.8         | 349       | 27           |
| 03/05/24 04:35 | 31          | 17                       | 47                       | 1                        | 9.3        | 94        | 1.0         | 351       | 24           |
| 03/05/24 04:40 | 32          | 17                       | 49                       | 1                        | 9.3        | 94        | 1.1         | 0         | 22           |
| 03/05/24 04:45 | 36          | 15                       | 51                       | 1                        | 9.2        | 94        | 1.2         | 7         | 15           |
| 03/05/24 04:50 | 44          | 13                       | 57                       | 1                        | 9.2        | 94        | 0.9         | 11        | 21           |
| 03/05/24 04:55 | 44          | 16                       | 60                       | 1                        | 9.1        | 94        | 0.6         | 3         | 28           |
| 03/05/24 05:00 | 44          | 17                       | 61                       | 1                        | 9.1        | 94        | 0.6         | 6         | 22           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 03/05/24 05:05 | 45          | 16                       | 62                       | 1                        | 9.1        | 94        | 1.2         | 360       | 11           |
| 03/05/24 05:10 | 47          | 17                       | 63                       | 1                        | 9.2        | 94        | 1.3         | 359       | 19           |
| 03/05/24 05:15 | 48          | 17                       | 65                       | 1                        | 9.0        | 94        | 1.2         | 7         | 10           |
| 03/05/24 05:20 | 48          | 17                       | 65                       | 1                        | 8.9        | 94        | 1.3         | 4         | 9            |
| 03/05/24 05:25 | 49          | 17                       | 66                       | 1                        | 8.9        | 94        | 1.3         | 359       | 21           |
| 03/05/24 05:30 | 52          | 17                       | 69                       | 1                        | 9.0        | 94        | 1.1         | 349       | 17           |
| 03/05/24 05:35 | 58          | 17                       | 75                       | 1                        | 9.0        | 94        | 1.0         | 359       | 24           |
| 03/05/24 05:40 | 61          | 17                       | 78                       | 1                        | 9.0        | 94        | 1.3         | 2         | 19           |
| 03/05/24 05:45 | 61          | 18                       | 79                       | 1                        | 8.9        | 94        | 1.1         | 357       | 25           |
| 03/05/24 05:50 | 62          | 18                       | 80                       | 1                        | 8.9        | 93        | 1.4         | 3         | 17           |
| 03/05/24 05:55 | 63          | 18                       | 82                       | 1                        | 9.0        | 94        | 0.9         | 355       | 20           |
| 03/05/24 06:00 | 65          | 19                       | 84                       | 1                        | 9.0        | 94        | 1.1         | 355       | 20           |
| 03/05/24 06:05 | 66          | 19                       | 85                       | 1                        | 9.0        | 93        | 1.0         | 344       | 22           |
| 03/05/24 06:10 | 67          | 19                       | 86                       | 1                        | 9.0        | 93        | 1.1         | 351       | 20           |
| 03/05/24 06:15 | 67          | 19                       | 86                       | 1                        | 9.0        | 93        | 1.0         | 350       | 22           |
| 03/05/24 06:20 | 66          | 19                       | 85                       | 1                        | 9.0        | 93        | 1.2         | 344       | 24           |
| 03/05/24 06:25 | 66          | 19                       | 85                       | 1                        | 9.1        | 93        | 0.8         | 350       | 27           |
| 03/05/24 06:30 | 67          | 19                       | 85                       | 1                        | 9.2        | 93        | 0.9         | 348       | 20           |
| 03/05/24 06:35 | 67          | 19                       | 86                       | 1                        | 9.1        | 92        | 0.9         | 350       | 21           |
| 03/05/24 06:40 | 67          | 19                       | 86                       | 1                        | 9.0        | 92        | 1.5         | 1         | 15           |
| 03/05/24 06:45 | 68          | 20                       | 88                       | 1                        | 9.0        | 92        | 1.5         | 356       | 27           |
| 03/05/24 06:50 | 72          | 23                       | 95                       | 1                        | 9.0        | 92        | 1.4         | 5         | 19           |
| 03/05/24 06:55 | 85          | 26                       | 111                      | 2                        | 8.9        | 92        | 1.6         | 10        | 7            |
| 03/05/24 07:00 | 87          | 22                       | 109                      | 2                        | 8.8        | 93        | 1.5         | 359       | 14           |
| 03/05/24 07:05 | 73          | 25                       | 99                       | 2                        | 8.8        | 93        | 1.5         | 356       | 13           |
| 03/05/24 07:10 | 69          | 21                       | 91                       | 2                        | 9.0        | 92        | 1.5         | 359       | 13           |
| 03/05/24 07:15 | 64          | 19                       | 82                       | 1                        | 9.0        | 92        | 1.1         | 357       | 19           |
| 03/05/24 07:20 | 62          | 19                       | 81                       | 1                        | 9.1        | 92        | 1.2         | 356       | 23           |
| 03/05/24 07:25 | 67          | 18                       | 85                       | 2                        | 9.1        | 92        | 1.1         | 1         | 21           |
| 03/05/24 07:30 | 89          | 16                       | 105                      | 2                        | 9.3        | 91        | 1.3         | 0         | 18           |
| 03/05/24 07:35 | 90          | 23                       | 113                      | 2                        | 9.2        | 91        | 1.3         | 355       | 18           |
| 03/05/24 07:40 | 85          | 22                       | 107                      | 2                        | 9.4        | 91        | 1.0         | 348       | 23           |
| 03/05/24 07:45 | 88          | 22                       | 109                      | 2                        | 9.4        | 90        | 0.9         | 359       | 25           |
| 03/05/24 07:50 | 95          | 22                       | 117                      | 2                        | 9.7        | 89        | 1.1         | 3         | 20           |
| 03/05/24 07:55 | 107         | 23                       | 131                      | 2                        | 9.8        | 88        | 1.0         | 351       | 24           |
| 03/05/24 08:00 | 106         | 24                       | 130                      | 2                        | 9.9        | 87        | 1.1         | 341       | 28           |
| 03/05/24 08:05 | 114         | 25                       | 139                      | 2                        | 9.8        | 88        | 1.0         | 343       | 40           |
| 03/05/24 08:10 | 116         | 25                       | 141                      | 2                        | 9.8        | 88        | 1.3         | 5         | 14           |
| 03/05/24 08:15 | 115         | 25                       | 139                      | 2                        | 9.8        | 88        | 1.6         | 8         | 11           |
| 03/05/24 08:20 | 112         | 25                       | 137                      | 2                        | 9.9        | 88        | 1.7         | 1         | 12           |
| 03/05/24 08:25 | 105         | 24                       | 130                      | 2                        | 10.0       | 88        | 1.4         | 2         | 19           |
| 03/05/24 08:30 | 97          | 27                       | 123                      | 2                        | 10.1       | 88        | 1.4         | 360       | 12           |
| 03/05/24 08:35 | 97          | 27                       | 124                      | 2                        | 10.3       | 88        | 0.8         | 349       | 35           |
| 03/05/24 08:40 | 104         | 29                       | 132                      | 2                        | 10.5       | 87        | 1.3         | 1         | 19           |
| 03/05/24 08:45 | 121         | 26                       | 147                      | 2                        | 10.5       | 86        | 1.5         | 0         | 26           |
| 03/05/24 08:50 | 129         | 26                       | 155                      | 2                        | 10.5       | 86        | 1.5         | 5         | 18           |
| 03/05/24 08:55 | 131         | 26                       | 157                      | 2                        | 10.6       | 86        | 1.5         | 359       | 18           |
| 03/05/24 09:00 | 132         | 27                       | 159                      | 2                        | 10.7       | 86        | 1.1         | 355       | 28           |
| 03/05/24 09:05 | 132         | 27                       | 158                      | 2                        | 10.8       | 86        | 0.9         | 323       | 24           |
| 03/05/24 09:10 | 131         | 27                       | 158                      | 2                        | 10.9       | 85        | 1.0         | 347       | 23           |
| 03/05/24 09:15 | 129         | 27                       | 156                      | 2                        | 10.9       | 85        | 0.9         | 338       | 34           |
| 03/05/24 09:20 | 122         | 27                       | 148                      | 2                        | 11.0       | 85        | 1.0         | 325       | 19           |
| 03/05/24 09:25 | 114         | 27                       | 141                      | 3                        | 11.0       | 86        | 0.6         | 327       | 24           |
| 03/05/24 09:30 | 113         | 29                       | 142                      | 3                        | 11.2       | 85        | 0.6         | 359       | 25           |
| 03/05/24 09:35 | 121         | 28                       | 150                      | 3                        | 11.3       | 84        | 0.9         | 336       | 26           |
| 03/05/24 09:40 | 123         | 28                       | 151                      | 3                        | 11.4       | 84        | 0.8         | 342       | 31           |
| 03/05/24 09:45 | 122         | 27                       | 149                      | 3                        | 11.4       | 84        | 1.0         | 340       | 22           |
| 03/05/24 09:50 | 121         | 28                       | 148                      | 3                        | 11.5       | 83        | 0.6         | 22        | 34           |
| 03/05/24 09:55 | 122         | 28                       | 149                      | 3                        | 11.8       | 82        | 1.0         | 32        | 12           |
| 03/05/24 10:00 | 119         | 28                       | 148                      | 3                        | 11.8       | 82        | 0.7         | 39        | 20           |
| 03/05/24 10:05 | 111         | 30                       | 141                      | 3                        | 12.0       | 82        | 0.4         | 53        | 52           |
| 03/05/24 10:10 | 83          | 27                       | 110                      | 3                        | 12.3       | 82        | 0.4         | 9         | 53           |
| 03/05/24 10:15 | 75          | 24                       | 99                       | 3                        | 12.6       | 81        | 0.3         | 139       | 62           |
| 03/05/24 10:20 | 63          | 27                       | 90                       | 3                        | 12.9       | 81        | 1.7         | 255       | 19           |
| 03/05/24 10:25 | 48          | 22                       | 71                       | 3                        | 12.5       | 82        | 1.4         | 243       | 13           |
| 03/05/24 10:30 | 43          | 22                       | 64                       | 2                        | 12.4       | 83        | 0.8         | 266       | 17           |
| 03/05/24 10:35 | 45          | 23                       | 68                       | 2                        | 12.4       | 83        | 1.2         | 262       | 11           |
| 03/05/24 10:40 | 44          | 22                       | 66                       | 2                        | 12.4       | 83        | 1.1         | 242       | 15           |
| 03/05/24 10:45 | 43          | 21                       | 64                       | 2                        | 12.6       | 82        | 1.0         | 227       | 19           |
| 03/05/24 10:50 | 43          | 21                       | 64                       | 2                        | 12.9       | 82        | 1.2         | 218       | 17           |
| 03/05/24 10:55 | 43          | 21                       | 64                       | 2                        | 13.2       | 81        | 1.5         | 192       | 8            |
| 03/05/24 11:00 | 44          | 22                       | 66                       | 3                        | 13.7       | 78        | 1.2         | 160       | 21           |
| 03/05/24 11:05 | 45          | 22                       | 68                       | 3                        | 14.3       | 75        | 1.3         | 151       | 21           |
| 03/05/24 11:10 | 47          | 23                       | 71                       | 3                        | 14.5       | 73        | 1.4         | 145       | 18           |
| 03/05/24 11:15 | 49          | 24                       | 73                       | 3                        | 14.4       | 73        | 1.0         | 152       | 23           |
| 03/05/24 11:20 | 49          | 22                       | 71                       | 3                        | 14.6       | 73        | 1.0         | 164       | 25           |
| 03/05/24 11:25 | 48          | 20                       | 68                       | 3                        | 15.0       | 71        | 1.0         | 160       | 17           |
| 03/05/24 11:30 | 46          | 20                       | 67                       | 3                        | 15.2       | 70        | 1.0         | 159       | 19           |
| 03/05/24 11:35 | 46          | 20                       | 66                       | 3                        | 15.4       | 70        | 1.0         | 161       | 23           |
| 03/05/24 11:40 | 45          | 21                       | 66                       | 3                        | 15.4       | 70        | 1.3         | 160       | 22           |
| 03/05/24 11:45 | 45          | 21                       | 66                       | 3                        | 15.4       | 71        | 1.2         | 162       | 22           |
| 03/05/24 11:50 | 45          | 22                       | 66                       | 3                        | 15.3       | 71        | 1.3         | 168       | 23           |
| 03/05/24 11:55 | 45          | 22                       | 67                       | 3                        | 15.4       | 71        | 1.3         | 168       | 26           |
| 03/05/24 12:00 | 45          | 23                       | 68                       | 3                        | 15.4       | 71        | 1.2         | 165       | 25           |
| 03/05/24 12:05 | 46          | 23                       | 69                       | 3                        | 15.5       | 70        | 1.6         | 163       | 17           |
| 03/05/24 12:10 | 46          | 23                       | 70                       | 3                        | 15.4       | 71        | 1.4         | 175       | 22           |
| 03/05/24 12:15 | 46          | 23                       | 69                       | 2                        | 15.5       | 70        | 1.6         | 171       | 21           |
| 03/05/24 12:20 | 44          | 23                       | 68                       | 2                        | 15.5       | 70        | 1.5         | 170       | 18           |
| 03/05/24 12:25 | 43          | 23                       | 66                       | 2                        | 15.6       | 71        | 1.4         | 169       | 20           |
| 03/05/24 12:30 | 41          | 22                       | 63                       | 2                        | 15.7       | 72        | 1.6         | 188       | 15           |
| 03/05/24 12:35 | 37          | 18                       | 55                       | 2                        | 15.6       | 72        | 1.6         | 176       | 21           |
| 03/05/24 12:40 | 30          | 20                       | 50                       | 2                        | 15.5       | 74        | 1.7         | 191       | 16           |
| 03/05/24 12:45 | 27          | 20                       | 47                       | 2                        | 15.2       | 77        | 1.8         | 194       | 18           |
| 03/05/24 12:50 | 26          | 20                       | 46                       | 2                        | 15.3       | 76        | 1.8         | 189       | 19           |
| 03/05/24 12:55 | 26          | 19                       | 45                       | 2                        | 15.2       | 78        | 2.4         | 197       | 15           |
| 03/05/24 13:00 | 25          | 19                       | 44                       | 2                        | 14.9       | 78        | 2.1         | 189       | 16           |
| 03/05/24 13:05 | 25          | 18                       | 43                       | 2                        | 15.2       | 77        | 2.1         | 193       | 17           |
| 03/05/24 13:10 | 24          | 18                       | 42                       | 2                        | 15.4       | 77        | 1.5         | 188       | 17           |
| 03/05/24 13:15 | 23          | 18                       | 41                       | 2                        | 15.7       | 75        | 1.8         | 191       | 15           |
| 03/05/24 13:20 | 25          | 18                       | 43                       | 2                        | 15.6       | 76        | 1.6         | 180       | 21           |
| 03/05/24 13:25 | 23          | 18                       | 41                       | 2                        | 16.1       | 73        | 1.7         | 178       | 20           |
| 03/05/24 13:30 | 20          | 17                       | 38                       | 2                        | 16.0       | 74        | 1.7         | 185       | 17           |
| 03/05/24 13:35 | 18          | 17                       | 35                       | 2                        | 16.1       | 74        | 1.8         | 182       | 18           |
| 03/05/24 13:40 | 17          | 14                       | 30                       | 2                        | 16.2       | 73        | 1.6         | 182       | 22           |
| 03/05/24 13:45 | 15          | 14                       | 29                       | 2                        | 16.2       | 73        | 1.6         | 175       | 23           |
| 03/05/24 13:50 | 15          | 13                       | 28                       | 2                        | 16.2       | 74        | 1.8         | 185       | 19           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 03/05/24 13:55 | 14          | 13                       | 27                       | 2                        | 16.2       | 74        | 1.5         | 184       | 22           |
| 03/05/24 14:00 | 14          | 14                       | 27                       | 1                        | 16.3       | 74        | 2.3         | 198       | 14           |
| 03/05/24 14:05 | 16          | 15                       | 30                       | 1                        | 15.4       | 78        | 2.9         | 203       | 3            |
| 03/05/24 14:10 | 14          | 14                       | 28                       | 1                        | 15.0       | 81        | 2.8         | 204       | 5            |
| 03/05/24 14:15 | 13          | 14                       | 27                       | 1                        | 15.3       | 81        | 1.9         | 191       | 18           |
| 03/05/24 14:20 | 13          | 14                       | 27                       | 2                        | 16.2       | 77        | 1.8         | 194       | 16           |
| 03/05/24 14:25 | 14          | 15                       | 28                       | 2                        | 16.2       | 77        | 2.7         | 201       | 8            |
| 03/05/24 14:30 | 15          | 14                       | 29                       | 2                        | 15.7       | 79        | 3.0         | 205       | 5            |
| 03/05/24 14:35 | 13          | 13                       | 26                       | 1                        | 15.6       | 80        | 2.3         | 198       | 15           |
| 03/05/24 14:40 | 13          | 13                       | 26                       | 1                        | 16.0       | 78        | 1.8         | 188       | 17           |
| 03/05/24 14:45 | 13          | 14                       | 27                       | 1                        | 16.2       | 77        | 2.5         | 206       | 7            |
| 03/05/24 14:50 | 13          | 14                       | 26                       | 1                        | 15.9       | 78        | 2.6         | 207       | 8            |
| 03/05/24 14:55 | 12          | 14                       | 26                       | 1                        | 15.6       | 80        | 2.6         | 209       | 5            |
| 03/05/24 15:00 | 12          | 14                       | 26                       | 1                        | 15.7       | 80        | 2.2         | 203       | 10           |
| 03/05/24 15:05 | 12          | 15                       | 26                       | 1                        | 15.9       | 79        | 2.7         | 205       | 4            |
| 03/05/24 15:10 | 12          | 15                       | 26                       | 1                        | 15.8       | 79        | 2.5         | 205       | 5            |
| 03/05/24 15:15 | 11          | 15                       | 27                       | 1                        | 16.0       | 79        | 2.5         | 206       | 5            |
| 03/05/24 15:20 | 11          | 15                       | 27                       | 1                        | 16.0       | 79        | 2.6         | 207       | 6            |
| 03/05/24 15:25 | 11          | 15                       | 26                       | 1                        | 16.1       | 78        | 2.6         | 211       | 4            |
| 03/05/24 15:30 | 11          | 15                       | 26                       | 1                        | 16.2       | 78        | 2.6         | 205       | 5            |
| 03/05/24 15:35 | 11          | 15                       | 26                       | 1                        | 16.2       | 78        | 2.6         | 205       | 5            |
| 03/05/24 15:40 | 11          | 16                       | 26                       | 1                        | 16.3       | 78        | 2.5         | 208       | 5            |
| 03/05/24 15:45 | 10          | 16                       | 26                       | 1                        | 16.3       | 78        | 2.3         | 210       | 7            |
| 03/05/24 15:50 | 10          | 16                       | 26                       | 1                        | 16.4       | 77        | 2.2         | 211       | 7            |
| 03/05/24 15:55 | 10          | 16                       | 26                       | 1                        | 16.4       | 76        | 2.2         | 208       | 5            |
| 03/05/24 16:00 | 11          | 21                       | 31                       | 1                        | 16.4       | 77        | 2.3         | 207       | 8            |
| 03/05/24 16:05 | 24          | 21                       | 44                       | 1                        | 16.5       | 77        | 2.4         | 201       | 7            |
| 03/05/24 16:10 | 46          | 27                       | 73                       | 1                        | 16.6       | 77        | 2.2         | 202       | 9            |
| 03/05/24 16:15 | 28          | 17                       | 45                       | 2                        | 16.5       | 79        | 1.5         | 199       | 21           |
| 03/05/24 16:20 | 7           | 17                       | 23                       | 2                        | 16.8       | 76        | 1.3         | 174       | 23           |
| 03/05/24 16:25 | 6           | 17                       | 23                       | 1                        | 17.1       | 73        | 1.7         | 179       | 14           |
| 03/05/24 16:30 | 6           | 16                       | 22                       | 1                        | 17.2       | 72        | 1.7         | 177       | 12           |
| 03/05/24 16:35 | 5           | 16                       | 22                       | 1                        | 17.1       | 73        | 1.4         | 177       | 15           |
| 03/05/24 16:40 | 5           | 16                       | 22                       | 1                        | 17.0       | 74        | 1.3         | 174       | 12           |
| 03/05/24 16:45 | 5           | 16                       | 21                       | 1                        | 17.1       | 74        | 1.2         | 186       | 17           |
| 03/05/24 16:50 | 5           | 16                       | 21                       | 1                        | 17.0       | 75        | 0.8         | 198       | 28           |
| 03/05/24 16:55 | 4           | 17                       | 21                       | 1                        | 16.9       | 77        | 0.5         | 180       | 48           |
| 03/05/24 17:00 | 4           | 17                       | 21                       | 1                        | 16.8       | 77        | 0.9         | 196       | 38           |
| 03/05/24 17:05 | 4           | 17                       | 21                       | 1                        | 16.6       | 78        | 2.0         | 187       | 17           |
| 03/05/24 17:10 | 3           | 17                       | 21                       | 1                        | 16.6       | 80        | 2.0         | 192       | 15           |
| 03/05/24 17:15 | 3           | 17                       | 21                       | 1                        | 16.4       | 80        | 2.3         | 190       | 13           |
| 03/05/24 17:20 | 3           | 18                       | 21                       | 1                        | 16.3       | 82        | 2.4         | 188       | 12           |
| 03/05/24 17:25 | 3           | 18                       | 21                       | 1                        | 16.2       | 83        | 2.4         | 189       | 14           |
| 03/05/24 17:30 | 2           | 19                       | 21                       | 1                        | 16.1       | 84        | 2.3         | 190       | 14           |
| 03/05/24 17:35 | 2           | 20                       | 22                       | 1                        | 16.1       | 84        | 2.1         | 189       | 15           |
| 03/05/24 17:40 | 2           | 21                       | 23                       | 1                        | 16.0       | 85        | 2.2         | 188       | 13           |
| 03/05/24 17:45 | 2           | 22                       | 24                       | 1                        | 16.0       | 85        | 2.0         | 190       | 13           |
| 03/05/24 17:50 | 2           | 23                       | 25                       | 1                        | 16.0       | 86        | 1.9         | 192       | 14           |
| 03/05/24 17:55 | 2           | 23                       | 25                       | 1                        | 16.1       | 86        | 1.7         | 190       | 14           |
| 03/05/24 18:00 | 1           | 23                       | 24                       | 1                        | 16.1       | 86        | 1.7         | 187       | 16           |
| 03/05/24 18:05 | 1           | 23                       | 24                       | 1                        | 16.1       | 87        | 1.5         | 183       | 17           |
| 03/05/24 18:10 | 1           | 22                       | 23                       | 1                        | 16.1       | 86        | 1.3         | 165       | 35           |
| 03/05/24 18:15 | 1           | 20                       | 20                       | 1                        | 16.2       | 82        | 2.8         | 142       | 12           |
| 03/05/24 18:20 | 1           | 18                       | 18                       | 1                        | 16.3       | 81        | 1.8         | 131       | 20           |
| 03/05/24 18:25 | 1           | 18                       | 18                       | 1                        | 16.4       | 80        | 1.4         | 128       | 18           |
| 03/05/24 18:30 | 1           | 18                       | 19                       | 1                        | 16.4       | 79        | 1.3         | 123       | 18           |
| 03/05/24 18:35 | 0           | 20                       | 20                       | 1                        | 16.3       | 79        | 1.3         | 116       | 16           |
| 03/05/24 18:40 | 1           | 21                       | 21                       | 1                        | 16.1       | 78        | 1.4         | 115       | 11           |
| 03/05/24 18:45 | 1           | 21                       | 22                       | 1                        | 15.9       | 80        | 1.1         | 113       | 11           |
| 03/05/24 18:50 | 1           | 22                       | 24                       | 1                        | 15.9       | 81        | 1.3         | 113       | 10           |
| 03/05/24 18:55 | 4           | 26                       | 30                       | 1                        | 15.7       | 80        | 1.2         | 117       | 8            |
| 03/05/24 19:00 | 9           | 28                       | 37                       | 1                        | 15.6       | 78        | 1.0         | 114       | 18           |
| 03/05/24 19:05 | 6           | 23                       | 29                       | 1                        | 15.5       | 77        | 1.2         | 127       | 21           |
| 03/05/24 19:10 | 1           | 22                       | 23                       | 1                        | 15.6       | 76        | 1.2         | 119       | 21           |
| 03/05/24 19:15 | 1           | 23                       | 24                       | 1                        | 15.6       | 74        | 2.0         | 113       | 12           |
| 03/05/24 19:20 | 1           | 23                       | 24                       | 1                        | 15.7       | 73        | 2.5         | 115       | 9            |
| 03/05/24 19:25 | 1           | 22                       | 23                       | 1                        | 15.7       | 71        | 2.0         | 122       | 11           |
| 03/05/24 19:30 | 1           | 22                       | 23                       | 1                        | 15.7       | 71        | 1.5         | 120       | 18           |
| 03/05/24 19:35 | 1           | 21                       | 22                       | 1                        | 15.7       | 73        | 1.7         | 117       | 13           |
| 03/05/24 19:40 | 1           | 21                       | 22                       | 1                        | 15.5       | 74        | 1.9         | 117       | 15           |
| 03/05/24 19:45 | 1           | 21                       | 21                       | 1                        | 15.4       | 75        | 1.4         | 124       | 26           |
| 03/05/24 19:50 | 1           | 20                       | 21                       | 1                        | 15.5       | 74        | 1.5         | 128       | 22           |
| 03/05/24 19:55 | 1           | 20                       | 21                       | 1                        | 15.4       | 74        | 1.3         | 109       | 20           |
| 03/05/24 20:00 | 1           | 20                       | 20                       | 1                        | 15.1       | 73        | 1.9         | 115       | 15           |
| 03/05/24 20:05 | 1           | 19                       | 20                       | 1                        | 15.1       | 73        | 2.6         | 111       | 11           |
| 03/05/24 20:10 | 0           | 19                       | 19                       | 1                        | 15.0       | 72        | 2.6         | 107       | 8            |
| 03/05/24 20:15 | 1           | 18                       | 19                       | 1                        | 15.0       | 71        | 2.9         | 102       | 12           |
| 03/05/24 20:20 | 1           | 18                       | 18                       | 1                        | 14.9       | 71        | 3.7         | 104       | 10           |
| 03/05/24 20:25 | 1           | 17                       | 18                       | 1                        | 14.9       | 70        | 3.0         | 97        | 14           |
| 03/05/24 20:30 | 1           | 16                       | 17                       | 1                        | 14.8       | 70        | 2.7         | 100       | 15           |
| 03/05/24 20:35 | 1           | 16                       | 16                       | 1                        | 14.7       | 71        | 3.2         | 107       | 8            |
| 03/05/24 20:40 | 1           | 15                       | 16                       | 1                        | 14.7       | 71        | 3.7         | 102       | 7            |
| 03/05/24 20:45 | 1           | 14                       | 15                       | 1                        | 14.5       | 71        | 3.2         | 101       | 10           |
| 03/05/24 20:50 | 1           | 14                       | 14                       | 1                        | 14.4       | 72        | 3.2         | 100       | 9            |
| 03/05/24 20:55 | 1           | 13                       | 14                       | 1                        | 14.4       | 72        | 3.6         | 100       | 8            |
| 03/05/24 21:00 | 1           | 13                       | 14                       | 1                        | 14.3       | 72        | 3.5         | 102       | 8            |
| 03/05/24 21:05 | 0           | 13                       | 13                       | 1                        | 14.3       | 71        | 3.4         | 98        | 7            |
| 03/05/24 21:10 | 0           | 13                       | 13                       | 1                        | 14.1       | 71        | 3.2         | 100       | 8            |
| 03/05/24 21:15 | 0           | 13                       | 13                       | 1                        | 14.1       | 71        | 3.2         | 99        | 8            |
| 03/05/24 21:20 | 0           | 13                       | 13                       | 1                        | 14.1       | 71        | 3.4         | 96        | 12           |
| 03/05/24 21:25 | 0           | 13                       | 13                       | 1                        | 13.9       | 71        | 1.6         | 81        | 15           |
| 03/05/24 21:30 | 0           | 13                       | 13                       | 1                        | 13.8       | 72        | 2.3         | 99        | 12           |
| 03/05/24 21:35 | 0           | 13                       | 13                       | 1                        | 13.8       | 72        | 2.8         | 99        | 7            |
| 03/05/24 21:40 | 0           | 13                       | 13                       | 1                        | 13.7       | 73        | 2.8         | 105       | 11           |
| 03/05/24 21:45 | 0           | 13                       | 13                       | 1                        | 13.6       | 73        | 2.1         | 94        | 11           |
| 03/05/24 21:50 | 0           | 13                       | 13                       | 1                        | 13.6       | 74        | 2.5         | 105       | 9            |
| 03/05/24 21:55 | 0           | 13                       | 13                       | 1                        | 13.6       | 75        | 2.2         | 109       | 12           |
| 03/05/24 22:00 | 1           | 13                       | 13                       | 1                        | 13.7       | 76        | 2.4         | 107       | 11           |
| 03/05/24 22:05 | 1           | 13                       | 14                       | 1                        | 13.5       | 76        | 2.9         | 106       | 9            |
| 03/05/24 22:10 | 0           | 13                       | 13                       | 1                        | 13.5       | 77        | 1.8         | 109       | 15           |
| 03/05/24 22:15 | 1           | 13                       | 14                       | 1                        | 13.4       | 77        | 1.8         | 106       | 13           |
| 03/05/24 22:20 | 1           | 13                       | 14                       | 1                        | 13.3       | 76        | 1.7         | 95        | 13           |
| 03/05/24 22:25 | 1           | 13                       | 14                       | 1                        | 13.1       | 76        | 2.1         | 100       | 10           |
| 03/05/24 22:30 | 1           | 13                       | 14                       | 1                        | 13.0       | 75        | 1.7         | 94        | 10           |
| 03/05/24 22:35 | 1           | 13                       | 14                       | 1                        | 13.1       | 76        | 2.4         | 102       | 8            |
| 03/05/24 22:40 | 0           | 12                       | 13                       | 1                        | 13.1       | 77        | 2.3         | 102       | 8            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 03/05/24 22:45 | 0           | 11                       | 12                       | 1                        | 13.1       | 78        | 2.1         | 111       | 9            |
| 03/05/24 22:50 | 0           | 11                       | 11                       | 1                        | 13.0       | 78        | 2.0         | 114       | 13           |
| 03/05/24 22:55 | 19          | 11                       | 30                       | 1                        | 13.0       | 78        | 1.5         | 91        | 11           |
| 03/05/24 23:00 | 5           | 12                       | 17                       | 1                        | 12.8       | 78        | 2.0         | 99        | 11           |
| 03/05/24 23:05 | 1           | 8                        | 10                       | 1                        | 12.8       | 78        | 2.0         | 101       | 11           |
| 03/05/24 23:10 | 8           | 14                       | 21                       | 1                        | 12.8       | 77        | 2.1         | 91        | 11           |
| 03/05/24 23:15 | 1           | 9                        | 11                       | 1                        | 12.7       | 78        | 1.6         | 99        | 8            |
| 03/05/24 23:20 | 1           | 9                        | 10                       | 1                        | 12.6       | 78        | 1.9         | 101       | 6            |
| 03/05/24 23:25 | 1           | 11                       | 12                       | 1                        | 12.5       | 79        | 1.4         | 93        | 11           |
| 03/05/24 23:30 | 11          | 18                       | 29                       | 1                        | 12.4       | 79        | 1.4         | 97        | 9            |
| 03/05/24 23:35 | 1           | 11                       | 12                       | 1                        | 12.5       | 79        | 1.4         | 98        | 15           |
| 03/05/24 23:40 | 1           | 10                       | 11                       | 1                        | 12.3       | 79        | 1.5         | 84        | 11           |
| 03/05/24 23:45 | 1           | 9                        | 11                       | 1                        | 12.2       | 80        | 1.5         | 104       | 15           |
| 03/05/24 23:50 | 1           | 8                        | 9                        |                          | 12.3       | 81        | 2.0         | 105       | 9            |
| 03/05/24 23:55 | 0           | 8                        | 8                        |                          | 12.4       | 80        | 1.8         | 93        | 9            |
| 04/05/24 00:00 | 0           | 8                        | 8                        | 1                        | 12.2       | 81        | 1.6         | 106       | 10           |
| 04/05/24 00:05 | 0           | 8                        | 8                        | 1                        | 12.2       | 82        | 2.1         | 106       | 10           |
| 04/05/24 00:10 | 0           | 8                        | 8                        | 1                        | 12.2       | 81        | 2.1         | 107       | 10           |
| 04/05/24 00:15 | 0           | 7                        | 8                        | 1                        | 12.3       | 83        | 1.8         | 111       | 13           |
| 04/05/24 00:20 | 0           | 7                        | 7                        | 1                        | 12.2       | 83        | 2.0         | 109       | 9            |
| 04/05/24 00:25 | 0           | 7                        | 8                        | 1                        | 12.2       | 83        | 2.2         | 109       | 7            |
| 04/05/24 00:30 | 0           | 7                        | 7                        | 1                        | 12.0       | 82        | 2.5         | 102       | 7            |
| 04/05/24 00:35 | 0           | 7                        | 8                        | 1                        | 12.0       | 83        | 1.9         | 97        | 12           |
| 04/05/24 00:40 | 0           | 8                        | 8                        | 1                        | 11.8       | 83        | 1.6         | 100       | 10           |
| 04/05/24 00:45 | 0           | 8                        | 8                        | 1                        | 11.8       | 83        | 1.6         | 99        | 12           |
| 04/05/24 00:50 | 0           | 8                        | 8                        | 1                        | 11.7       | 84        | 1.6         | 102       | 8            |
| 04/05/24 00:55 | 0           | 8                        | 9                        | 1                        | 11.7       | 85        | 1.9         | 104       | 13           |
| 04/05/24 01:00 | 0           | 8                        | 9                        | 1                        | 11.8       | 85        | 2.1         | 109       | 6            |
| 04/05/24 01:05 |             |                          |                          |                          | 11.6       | 85        | 1.7         | 99        | 11           |
| 04/05/24 01:10 |             |                          |                          |                          | 11.4       | 85        | 1.5         | 96        | 12           |
| 04/05/24 01:15 |             |                          |                          |                          | 11.4       | 85        | 1.6         | 87        | 10           |
| 04/05/24 01:20 |             |                          |                          |                          | 11.3       | 85        | 1.4         | 83        | 17           |
| 04/05/24 01:25 |             |                          |                          |                          | 11.2       | 85        | 1.8         | 97        | 9            |
| 04/05/24 01:30 |             |                          |                          |                          | 11.2       | 86        | 1.6         | 90        | 9            |
| 04/05/24 01:35 |             |                          |                          |                          | 11.0       | 86        | 1.6         | 91        | 11           |
| 04/05/24 01:40 |             |                          |                          |                          | 10.9       | 86        | 1.5         | 9         | 15           |
| 04/05/24 01:45 |             |                          |                          |                          | 10.6       | 87        | 1.2         | 347       | 18           |
| 04/05/24 01:50 |             |                          |                          |                          | 10.4       | 88        | 0.7         | 341       | 25           |
| 04/05/24 01:55 |             |                          |                          |                          | 10.3       | 88        | 1.3         | 360       | 12           |
| 04/05/24 02:00 |             |                          |                          |                          | 10.2       | 88        | 1.0         | 352       | 20           |
| 04/05/24 02:05 | 89          | 23                       | 112                      | 1                        | 10.2       | 89        | 1.0         | 348       | 20           |
| 04/05/24 02:10 | 89          | 23                       | 113                      | 1                        | 10.1       | 89        | 1.2         | 0         | 11           |
| 04/05/24 02:15 | 84          | 24                       | 108                      | 1                        | 10.0       | 89        | 0.6         | 345       | 19           |
| 04/05/24 02:20 | 79          | 22                       | 101                      | 1                        | 9.9        | 90        | 0.8         | 348       | 9            |
| 04/05/24 02:25 | 74          | 24                       | 99                       | 1                        | 9.9        | 90        | 0.9         | 348       | 11           |
| 04/05/24 02:30 | 70          | 25                       | 96                       | 1                        | 9.9        | 90        | 0.9         | 347       | 14           |
| 04/05/24 02:35 | 70          | 24                       | 94                       | 1                        | 9.9        | 90        | 1.1         | 358       | 10           |
| 04/05/24 02:40 | 67          | 24                       | 91                       | 1                        | 9.8        | 90        | 1.0         | 5         | 9            |
| 04/05/24 02:45 | 60          | 22                       | 83                       | 1                        | 9.6        | 90        | 0.5         | 10        | 25           |
| 04/05/24 02:50 | 61          | 21                       | 81                       | 1                        | 9.5        | 90        | 0.8         | 0         | 14           |
| 04/05/24 02:55 | 65          | 21                       | 85                       | 1                        | 9.5        | 90        | 0.6         | 6         | 13           |
| 04/05/24 03:00 | 69          | 22                       | 92                       | 1                        | 9.4        | 91        | 0.6         | 21        | 11           |
| 04/05/24 03:05 | 72          | 22                       | 94                       | 1                        | 9.3        | 91        | 0.8         | 351       | 11           |
| 04/05/24 03:10 | 76          | 22                       | 97                       | 1                        | 9.4        | 91        | 0.7         | 338       | 17           |
| 04/05/24 03:15 | 80          | 20                       | 100                      | 1                        | 9.5        | 91        | 0.7         | 358       | 16           |
| 04/05/24 03:20 | 87          | 23                       | 110                      | 1                        | 9.4        | 91        | 1.3         | 10        | 14           |
| 04/05/24 03:25 | 77          | 23                       | 100                      | 1                        | 9.1        | 90        | 1.4         | 60        | 14           |
| 04/05/24 03:30 | 71          | 21                       | 92                       | 1                        | 9.0        | 92        | 1.5         | 13        | 8            |
| 04/05/24 03:35 | 71          | 22                       | 93                       | 1                        | 9.0        | 92        | 1.5         | 12        | 9            |
| 04/05/24 03:40 | 71          | 22                       | 94                       | 1                        | 9.1        | 91        | 1.6         | 5         | 5            |
| 04/05/24 03:45 | 71          | 22                       | 93                       | 1                        | 9.1        | 92        | 1.5         | 358       | 7            |
| 04/05/24 03:50 | 73          | 22                       | 95                       | 1                        | 9.2        | 91        | 1.9         | 357       | 7            |
| 04/05/24 03:55 | 73          | 23                       | 96                       | 1                        | 9.1        | 91        | 2.0         | 359       | 6            |
| 04/05/24 04:00 | 72          | 23                       | 95                       | 1                        | 9.0        | 91        | 2.1         | 360       | 6            |
| 04/05/24 04:05 | 71          | 23                       | 93                       | 2                        | 9.0        | 92        | 2.0         | 1         | 8            |
| 04/05/24 04:10 | 65          | 22                       | 88                       | 2                        | 8.9        | 92        | 1.9         | 359       | 8            |
| 04/05/24 04:15 | 53          | 20                       | 73                       | 1                        | 8.9        | 92        | 1.9         | 349       | 12           |
| 04/05/24 04:20 | 43          | 20                       | 62                       | 1                        | 9.0        | 92        | 2.1         | 350       | 18           |
| 04/05/24 04:25 | 43          | 19                       | 61                       | 1                        | 8.9        | 92        | 1.9         | 347       | 17           |
| 04/05/24 04:30 | 48          | 18                       | 65                       | 1                        | 8.9        | 92        | 1.5         | 342       | 21           |
| 04/05/24 04:35 | 45          | 17                       | 62                       | 1                        | 8.8        | 92        | 1.2         | 351       | 28           |
| 04/05/24 04:40 | 43          | 18                       | 61                       | 1                        | 8.9        | 93        | 1.1         | 346       | 27           |
| 04/05/24 04:45 | 40          | 19                       | 58                       | 1                        | 8.7        | 93        | 1.2         | 356       | 25           |
| 04/05/24 04:50 | 38          | 19                       | 57                       | 1                        | 8.7        | 93        | 1.8         | 4         | 9            |
| 04/05/24 04:55 | 37          | 19                       | 55                       | 1                        | 8.6        | 93        | 1.5         | 360       | 14           |
| 04/05/24 05:00 | 34          | 18                       | 52                       | 1                        | 8.6        | 93        | 1.5         | 355       | 15           |
| 04/05/24 05:05 | 36          | 18                       | 54                       | 1                        | 8.7        | 93        | 0.9         | 349       | 30           |
| 04/05/24 05:10 | 37          | 18                       | 55                       | 1                        | 8.8        | 94        | 0.5         | 321       | 34           |
| 04/05/24 05:15 | 36          | 17                       | 54                       | 1                        | 8.8        | 93        | 0.8         | 4         | 21           |
| 04/05/24 05:20 | 35          | 17                       | 52                       | 1                        | 8.5        | 93        | 1.1         | 0         | 24           |
| 04/05/24 05:25 | 35          | 17                       | 52                       | 1                        | 8.6        | 94        | 0.9         | 340       | 25           |
| 04/05/24 05:30 | 36          | 17                       | 54                       | 1                        | 8.7        | 94        | 0.7         | 340       | 26           |
| 04/05/24 05:35 | 40          | 20                       | 60                       | 1                        | 8.7        | 93        | 0.5         | 326       | 30           |
| 04/05/24 05:40 | 42          | 20                       | 62                       | 1                        | 8.8        | 94        | 0.7         | 307       | 21           |
| 04/05/24 05:45 | 36          | 22                       | 58                       | 1                        | 9.0        | 94        | 0.8         | 299       | 12           |
| 04/05/24 05:50 | 33          | 19                       | 52                       | 1                        | 8.8        | 92        | 0.8         | 339       | 14           |
| 04/05/24 05:55 | 35          | 18                       | 53                       | 1                        | 8.6        | 93        | 1.5         | 352       | 13           |
| 04/05/24 06:00 | 36          | 18                       | 54                       | 1                        | 8.6        | 93        | 1.5         | 352       | 12           |
| 04/05/24 06:05 | 38          | 18                       | 56                       | 1                        | 8.6        | 93        | 1.5         | 341       | 17           |
| 04/05/24 06:10 | 44          | 17                       | 61                       | 1                        | 8.6        | 93        | 1.5         | 338       | 16           |
| 04/05/24 06:15 | 47          | 19                       | 66                       | 1                        | 8.6        | 93        | 1.4         | 343       | 15           |
| 04/05/24 06:20 | 48          | 19                       | 67                       | 1                        | 8.7        | 93        | 1.2         | 336       | 18           |
| 04/05/24 06:25 | 48          | 19                       | 67                       | 1                        | 8.5        | 93        | 1.4         | 343       | 24           |
| 04/05/24 06:30 | 46          | 18                       | 64                       | 1                        | 8.5        | 93        | 1.1         | 347       | 26           |
| 04/05/24 06:35 | 54          | 15                       | 69                       | 1                        | 8.4        | 93        | 1.2         | 358       | 21           |
| 04/05/24 06:40 | 56          | 18                       | 74                       | 1                        | 8.4        | 94        | 1.2         | 360       | 23           |
| 04/05/24 06:45 | 57          | 18                       | 75                       | 1                        | 8.4        | 94        | 2.0         | 360       | 8            |
| 04/05/24 06:50 | 58          | 18                       | 77                       | 1                        | 8.4        | 94        | 1.6         | 358       | 12           |
| 04/05/24 06:55 | 62          | 16                       | 78                       | 1                        | 8.3        | 94        | 1.4         | 360       | 16           |
| 04/05/24 07:00 | 61          | 17                       | 78                       | 1                        | 8.3        | 94        | 0.9         | 4         | 19           |
| 04/05/24 07:05 | 61          | 18                       | 79                       | 1                        | 8.2        | 94        | 1.2         | 2         | 9            |
| 04/05/24 07:10 | 59          | 19                       | 78                       | 1                        | 8.1        | 94        | 0.9         | 17        | 16           |
| 04/05/24 07:15 | 59          | 19                       | 78                       | 1                        | 8.0        | 94        | 1.4         | 4         | 9            |
| 04/05/24 07:20 | 57          | 19                       | 76                       | 1                        | 8.3        | 95        | 1.2         | 355       | 18           |
| 04/05/24 07:25 | 55          | 20                       | 75                       | 1                        | 8.4        | 95        | 0.9         | 333       | 23           |
| 04/05/24 07:30 | 56          | 19                       | 76                       | 1                        | 8.4        | 94        | 0.8         | 320       | 19           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 04/05/24 07:35 | 63          | 16                       | 79                       | 1                        | 8.4        | 94        | 0.9         | 348       | 26           |
| 04/05/24 07:40 | 73          | 14                       | 87                       | 1                        | 8.3        | 94        | 1.2         | 354       | 16           |
| 04/05/24 07:45 | 72          | 19                       | 90                       | 1                        | 8.4        | 94        | 1.0         | 32        | 20           |
| 04/05/24 07:50 | 67          | 19                       | 86                       | 1                        | 8.5        | 94        | 1.2         | 47        | 6            |
| 04/05/24 07:55 | 64          | 17                       | 80                       | 1                        | 8.6        | 93        | 1.0         | 57        | 7            |
| 04/05/24 08:00 | 62          | 18                       | 80                       | 1                        | 8.7        | 91        | 1.3         | 52        | 6            |
| 04/05/24 08:05 | 60          | 18                       | 78                       | 1                        | 8.8        | 90        | 1.0         | 49        | 9            |
| 04/05/24 08:10 | 60          | 18                       | 78                       | 1                        | 9.0        | 89        | 1.1         | 50        | 6            |
| 04/05/24 08:15 | 59          | 17                       | 77                       | 1                        | 9.2        | 88        | 1.1         | 46        | 10           |
| 04/05/24 08:20 | 58          | 17                       | 74                       | 1                        | 9.4        | 87        | 1.1         | 46        | 9            |
| 04/05/24 08:25 | 56          | 15                       | 71                       | 1                        | 9.5        | 87        | 1.0         | 46        | 10           |
| 04/05/24 08:30 | 55          | 16                       | 71                       | 1                        | 9.8        | 86        | 1.0         | 51        | 13           |
| 04/05/24 08:35 | 54          | 16                       | 70                       | 1                        | 10.0       | 85        | 1.1         | 54        | 13           |
| 04/05/24 08:40 | 53          | 17                       | 70                       | 1                        | 10.2       | 84        | 1.3         | 65        | 15           |
| 04/05/24 08:45 | 52          | 17                       | 69                       | 1                        | 10.3       | 84        | 1.2         | 55        | 16           |
| 04/05/24 08:50 | 50          | 17                       | 67                       | 1                        | 10.4       | 85        | 1.4         | 69        | 11           |
| 04/05/24 08:55 | 49          | 17                       | 66                       | 1                        | 10.3       | 84        | 0.8         | 54        | 22           |
| 04/05/24 09:00 | 49          | 18                       | 67                       | 1                        | 10.5       | 83        | 0.8         | 84        | 19           |
| 04/05/24 09:05 | 52          | 17                       | 69                       | 1                        | 10.5       | 82        | 0.9         | 77        | 13           |
| 04/05/24 09:10 | 53          | 17                       | 70                       | 1                        | 10.9       | 82        | 0.8         | 102       | 12           |
| 04/05/24 09:15 | 53          | 18                       | 71                       | 1                        | 11.2       | 81        | 0.8         | 125       | 17           |
| 04/05/24 09:20 | 52          | 18                       | 70                       | 1                        | 11.7       | 80        | 0.2         | 226       | 61           |
| 04/05/24 09:25 | 51          | 19                       | 69                       | 1                        | 11.7       | 79        | 0.6         | 292       | 34           |
| 04/05/24 09:30 | 47          | 18                       | 65                       | 1                        | 10.9       | 85        | 1.5         | 300       | 14           |
| 04/05/24 09:35 | 37          | 18                       | 54                       | 1                        | 10.5       | 88        | 1.3         | 286       | 19           |
| 04/05/24 09:40 | 35          | 17                       | 52                       | 1                        | 10.7       | 88        | 1.1         | 293       | 23           |
| 04/05/24 09:45 | 34          | 17                       | 52                       | 1                        | 10.8       | 88        | 1.1         | 297       | 21           |
| 04/05/24 09:50 | 35          | 18                       | 52                       | 1                        | 10.9       | 87        | 1.0         | 272       | 20           |
| 04/05/24 09:55 | 35          | 18                       | 52                       | 1                        | 11.1       | 87        | 0.4         | 146       | 63           |
| 04/05/24 10:00 | 35          | 18                       | 53                       | 1                        | 11.4       | 83        | 0.7         | 60        | 22           |
| 04/05/24 10:05 | 35          | 18                       | 53                       | 1                        | 11.4       | 83        | 0.4         | 80        | 51           |
| 04/05/24 10:10 | 35          | 19                       | 54                       | 1                        | 11.5       | 84        | 0.4         | 35        | 60           |
| 04/05/24 10:15 | 35          | 19                       | 54                       | 1                        | 11.5       | 84        | 1.4         | 26        | 25           |
| 04/05/24 10:20 | 35          | 19                       | 54                       | 1                        | 11.4       | 85        | 1.2         | 357       | 22           |
| 04/05/24 10:25 | 35          | 19                       | 54                       | 1                        | 11.4       | 86        | 1.6         | 16        | 20           |
| 04/05/24 10:30 | 33          | 19                       | 52                       | 1                        | 11.5       | 86        | 1.6         | 0         | 19           |
| 04/05/24 10:35 | 31          | 19                       | 51                       | 1                        | 11.6       | 85        | 1.6         | 18        | 19           |
| 04/05/24 10:40 | 29          | 19                       | 49                       | 1                        | 11.6       | 85        | 1.6         | 44        | 18           |
| 04/05/24 10:45 | 27          | 20                       | 46                       | 1                        | 11.8       | 84        | 2.0         | 30        | 13           |
| 04/05/24 10:50 | 25          | 19                       | 44                       | 1                        | 12.1       | 83        | 1.6         | 34        | 25           |
| 04/05/24 10:55 | 24          | 18                       | 42                       | 1                        | 12.5       | 81        | 1.3         | 22        | 17           |
| 04/05/24 11:00 | 24          | 17                       | 41                       | 1                        | 12.7       | 80        | 0.3         | 38        | 73           |
| 04/05/24 11:05 | 23          | 17                       | 40                       | 1                        | 13.0       | 77        | 1.5         | 65        | 22           |
| 04/05/24 11:10 | 23          | 17                       | 40                       | 1                        | 13.2       | 77        | 0.9         | 110       | 35           |
| 04/05/24 11:15 | 25          | 17                       | 42                       | 1                        | 13.8       | 76        | 1.0         | 139       | 27           |
| 04/05/24 11:20 | 27          | 17                       | 43                       | 2                        | 14.2       | 74        | 1.4         | 137       | 22           |
| 04/05/24 11:25 | 27          | 16                       | 44                       | 2                        | 14.0       | 76        | 1.1         | 175       | 38           |
| 04/05/24 11:30 | 28          | 17                       | 44                       | 2                        | 14.1       | 74        | 1.3         | 154       | 23           |
| 04/05/24 11:35 | 28          | 17                       | 45                       | 2                        | 14.6       | 73        | 1.2         | 169       | 19           |
| 04/05/24 11:40 | 27          | 18                       | 44                       | 1                        | 14.6       | 73        | 1.2         | 174       | 24           |
| 04/05/24 11:45 | 26          | 18                       | 44                       | 2                        | 14.5       | 73        | 1.1         | 161       | 20           |
| 04/05/24 11:50 | 25          | 18                       | 43                       | 1                        | 14.5       | 73        | 1.1         | 154       | 24           |
| 04/05/24 11:55 | 24          | 19                       | 43                       | 1                        | 14.7       | 73        | 1.2         | 144       | 23           |
| 04/05/24 12:00 | 24          | 19                       | 43                       | 1                        | 14.6       | 72        | 1.4         | 146       | 25           |
| 04/05/24 12:05 | 23          | 19                       | 42                       | 1                        | 14.6       | 72        | 1.5         | 141       | 18           |
| 04/05/24 12:10 | 23          | 18                       | 41                       | 1                        | 14.7       | 73        | 1.7         | 144       | 19           |
| 04/05/24 12:15 | 21          | 19                       | 40                       | 1                        | 14.8       | 73        | 1.5         | 153       | 23           |
| 04/05/24 12:20 | 21          | 19                       | 40                       | 1                        | 14.6       | 73        | 2.5         | 141       | 12           |
| 04/05/24 12:25 | 21          | 19                       | 39                       | 1                        | 14.6       | 74        | 2.0         | 136       | 15           |
| 04/05/24 12:30 | 20          | 18                       | 39                       | 1                        | 14.7       | 74        | 1.9         | 143       | 18           |
| 04/05/24 12:35 | 20          | 18                       | 38                       | 1                        | 15.0       | 73        | 1.5         | 151       | 26           |
| 04/05/24 12:40 | 20          | 18                       | 38                       | 1                        | 15.3       | 72        | 1.2         | 160       | 29           |
| 04/05/24 12:45 | 19          | 18                       | 37                       | 1                        | 15.5       | 71        | 1.1         | 156       | 30           |
| 04/05/24 12:50 | 18          | 18                       | 36                       | 1                        | 15.6       | 71        | 1.3         | 159       | 27           |
| 04/05/24 12:55 | 18          | 17                       | 35                       | 1                        | 15.4       | 71        | 1.4         | 163       | 26           |
| 04/05/24 13:00 | 17          | 17                       | 34                       | 1                        | 15.3       | 73        | 1.3         | 165       | 30           |
| 04/05/24 13:05 | 16          | 17                       | 33                       | 1                        | 15.1       | 73        | 1.4         | 159       | 30           |
| 04/05/24 13:10 | 16          | 17                       | 33                       | 1                        | 15.1       | 74        | 1.2         | 160       | 30           |
| 04/05/24 13:15 | 15          | 17                       | 33                       | 1                        | 15.0       | 74        | 1.0         | 154       | 59           |
| 04/05/24 13:20 | 15          | 17                       | 33                       | 1                        | 15.1       | 72        | 2.6         | 98        | 10           |
| 04/05/24 13:25 | 16          | 17                       | 33                       | 1                        | 15.1       | 72        | 2.3         | 111       | 11           |
| 04/05/24 13:30 | 15          | 17                       | 32                       | 1                        | 15.1       | 73        | 2.5         | 114       | 11           |
| 04/05/24 13:35 | 15          | 17                       | 32                       | 1                        | 15.1       | 73        | 2.5         | 112       | 8            |
| 04/05/24 13:40 | 14          | 17                       | 31                       | 1                        | 15.3       | 72        | 2.0         | 122       | 15           |
| 04/05/24 13:45 | 14          | 17                       | 31                       | 1                        | 15.4       | 71        | 1.7         | 132       | 18           |
| 04/05/24 13:50 | 14          | 17                       | 30                       | 1                        | 15.4       | 71        | 1.9         | 115       | 22           |
| 04/05/24 13:55 | 14          | 17                       | 30                       | 1                        | 15.7       | 72        | 1.7         | 129       | 19           |
| 04/05/24 14:00 | 13          | 17                       | 30                       | 1                        | 15.5       | 71        | 2.2         | 133       | 15           |
| 04/05/24 14:05 | 13          | 17                       | 30                       | 1                        | 15.5       | 71        | 2.1         | 137       | 17           |
| 04/05/24 14:10 | 13          | 17                       | 30                       | 1                        | 15.7       | 70        | 2.1         | 142       | 14           |
| 04/05/24 14:15 | 13          | 17                       | 30                       | 1                        | 15.9       | 70        | 1.7         | 150       | 18           |
| 04/05/24 14:20 | 13          | 17                       | 30                       | 1                        | 16.2       | 68        | 1.3         | 156       | 26           |
| 04/05/24 14:25 | 13          | 17                       | 29                       | 1                        | 16.4       | 68        | 1.3         | 160       | 26           |
| 04/05/24 14:30 | 13          | 17                       | 30                       | 1                        | 16.5       | 68        | 1.6         | 161       | 29           |
| 04/05/24 14:35 | 13          | 17                       | 29                       | 1                        | 16.5       | 68        | 1.4         | 171       | 28           |
| 04/05/24 14:40 | 12          | 17                       | 29                       | 1                        | 16.4       | 68        | 1.8         | 177       | 17           |
| 04/05/24 14:45 | 12          | 17                       | 29                       | 1                        | 16.5       | 69        | 1.6         | 179       | 15           |
| 04/05/24 14:50 | 11          | 17                       | 29                       | 1                        | 16.4       | 67        | 1.0         | 170       | 23           |
| 04/05/24 14:55 | 11          | 17                       | 28                       | 1                        | 16.3       | 67        | 0.6         | 205       | 27           |
| 04/05/24 15:00 | 11          | 17                       | 28                       | 1                        | 16.1       | 70        | 1.4         | 206       | 12           |
| 04/05/24 15:05 | 11          | 17                       | 28                       | 1                        | 16.2       | 70        | 1.2         | 189       | 19           |
| 04/05/24 15:10 | 11          | 17                       | 28                       | 1                        | 16.3       | 71        | 1.7         | 206       | 7            |
| 04/05/24 15:15 | 11          | 17                       | 28                       | 1                        | 16.1       | 72        | 1.7         | 203       | 7            |
| 04/05/24 15:20 | 10          | 17                       | 28                       | 1                        | 16.5       | 71        | 1.4         | 198       | 11           |
| 04/05/24 15:25 | 10          | 18                       | 28                       | 1                        | 16.4       | 70        | 2.2         | 205       | 5            |
| 04/05/24 15:30 | 10          | 18                       | 28                       | 1                        | 16.3       | 70        | 2.2         | 202       | 4            |
| 04/05/24 15:35 | 10          | 18                       | 28                       | 1                        | 16.3       | 70        | 2.1         | 201       | 4            |
| 04/05/24 15:40 | 10          | 18                       | 27                       | 1                        | 16.2       | 69        | 2.0         | 200       | 3            |
| 04/05/24 15:45 | 9           | 18                       | 27                       | 1                        | 16.1       | 69        | 1.9         | 204       | 5            |
| 04/05/24 15:50 | 9           | 18                       | 27                       | 1                        | 15.8       | 71        | 2.1         | 202       | 4            |
| 04/05/24 15:55 | 9           | 19                       | 27                       | 1                        | 15.7       | 72        | 2.1         | 204       | 7            |
| 04/05/24 16:00 | 8           | 19                       | 27                       | 1                        | 15.6       | 72        | 2.8         | 210       | 4            |
| 04/05/24 16:05 | 7           | 18                       | 25                       | 1                        | 15.4       | 73        | 3.3         | 210       | 5            |
| 04/05/24 16:10 | 6           | 15                       | 21                       | 1                        | 15.2       | 76        | 3.2         | 213       | 6            |
| 04/05/24 16:15 | 5           | 15                       | 21                       | 1                        | 15.1       | 74        | 2.8         | 213       | 4            |
| 04/05/24 16:20 | 5           | 16                       | 21                       | 1                        | 15.2       | 76        | 2.6         | 223       | 9            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 04/05/24 16:25 | 5           | 17                       | 22                       | 1                        | 15.2       | 77        | 2.3         | 231       | 6            |
| 04/05/24 16:30 | 5           | 19                       | 23                       | 1                        | 15.1       | 78        | 2.4         | 225       | 6            |
| 04/05/24 16:35 | 5           | 20                       | 24                       | 1                        | 15.1       | 79        | 2.6         | 229       | 4            |
| 04/05/24 16:40 | 5           | 20                       | 25                       | 1                        | 15.1       | 79        | 2.5         | 222       | 4            |
| 04/05/24 16:45 | 5           | 21                       | 26                       | 1                        | 15.1       | 80        | 2.5         | 227       | 6            |
| 04/05/24 16:50 | 5           | 22                       | 28                       | 1                        | 15.1       | 80        | 2.4         | 227       | 4            |
| 04/05/24 16:55 | 6           | 23                       | 29                       | 1                        | 15.1       | 80        | 2.7         | 224       | 5            |
| 04/05/24 17:00 | 6           | 24                       | 30                       | 1                        | 15.1       | 80        | 2.9         | 227       | 4            |
| 04/05/24 17:05 | 6           | 25                       | 31                       | 1                        | 15.0       | 81        | 2.6         | 231       | 6            |
| 04/05/24 17:10 | 6           | 25                       | 31                       | 1                        | 14.9       | 82        | 3.0         | 224       | 7            |
| 04/05/24 17:15 | 5           | 25                       | 30                       | 1                        | 14.8       | 82        | 3.2         | 227       | 5            |
| 04/05/24 17:20 | 4           | 25                       | 29                       | 1                        | 14.8       | 84        | 2.9         | 223       | 6            |
| 04/05/24 17:25 | 4           | 25                       | 28                       | 1                        | 14.7       | 85        | 3.0         | 224       | 4            |
| 04/05/24 17:30 | 3           | 24                       | 27                       | 1                        | 14.8       | 84        | 2.4         | 216       | 8            |
| 04/05/24 17:35 | 2           | 24                       | 26                       | 1                        | 14.8       | 84        | 2.3         | 215       | 6            |
| 04/05/24 17:40 | 2           | 23                       | 25                       | 1                        | 14.8       | 82        | 2.2         | 212       | 7            |
| 04/05/24 17:45 | 1           | 21                       | 22                       | 1                        | 15.0       | 81        | 2.1         | 214       | 5            |
| 04/05/24 17:50 | 1           | 19                       | 20                       | 1                        | 15.1       | 79        | 1.8         | 213       | 8            |
| 04/05/24 17:55 | 1           | 15                       | 15                       | 1                        | 15.2       | 78        | 1.9         | 218       | 4            |
| 04/05/24 18:00 | 1           | 16                       | 17                       | 1                        | 15.2       | 78        | 1.8         | 208       | 7            |
| 04/05/24 18:05 | 52          | 39                       | 92                       | 1                        | 15.4       | 78        | 1.3         | 212       | 12           |
| 04/05/24 18:10 | 2           | 17                       | 20                       | 1                        | 15.2       | 79        | 1.4         | 217       | 4            |
| 04/05/24 18:15 | 0           | 13                       | 13                       | 1                        | 15.3       | 78        | 1.3         | 217       | 4            |
| 04/05/24 18:20 | 0           | 12                       | 12                       | 1                        | 15.3       | 78        | 1.1         | 219       | 10           |
| 04/05/24 18:25 | 1           | 13                       | 14                       | 0                        | 15.2       | 78        | 0.5         | 232       | 24           |
| 04/05/24 18:30 | 4           | 26                       | 31                       | 0                        | 14.7       | 79        | 0.2         | 262       | 33           |
| 04/05/24 18:35 | 5           | 28                       | 33                       | 0                        | 14.5       | 81        | 0.3         | 275       | 48           |
| 04/05/24 18:40 | 10          | 30                       | 40                       | 0                        | 14.2       | 81        | 0.8         | 222       | 19           |
| 04/05/24 18:45 | 7           | 24                       | 31                       | 0                        | 14.3       | 83        | 1.0         | 242       | 19           |
| 04/05/24 18:50 | 3           | 23                       | 26                       | 0                        | 14.6       | 83        | 0.9         | 259       | 16           |
| 04/05/24 18:55 | 2           | 24                       | 26                       | 0                        | 14.6       | 82        | 0.7         | 266       | 13           |
| 04/05/24 19:00 | 2           | 25                       | 27                       | 0                        | 14.5       | 81        | 0.5         | 293       | 21           |
| 04/05/24 19:05 | 10          | 21                       | 31                       | 0                        | 14.1       | 81        | 0.6         | 320       | 11           |
| 04/05/24 19:10 | 12          | 25                       | 37                       | 0                        | 13.8       | 82        | 0.5         | 297       | 11           |
| 04/05/24 19:15 | 9           | 26                       | 35                       | 0                        | 13.8       | 83        | 0.6         | 294       | 13           |
| 04/05/24 19:20 | 19          | 26                       | 45                       | 0                        | 13.8       | 83        | 0.6         | 281       | 12           |
| 04/05/24 19:25 | 15          | 28                       | 44                       | 0                        | 13.7       | 84        | 0.9         | 289       | 16           |
| 04/05/24 19:30 | 14          | 29                       | 43                       | 0                        | 13.8       | 83        | 0.6         | 295       | 23           |
| 04/05/24 19:35 | 17          | 27                       | 44                       | 0                        | 13.6       | 84        | 0.4         | 271       | 24           |
| 04/05/24 19:40 | 17          | 27                       | 45                       | 0                        | 13.5       | 85        | 0.3         | 296       | 29           |
| 04/05/24 19:45 | 10          | 31                       | 41                       | 0                        | 13.6       | 86        | 1.0         | 288       | 16           |
| 04/05/24 19:50 | 5           | 27                       | 32                       | 0                        | 14.0       | 85        | 1.3         | 288       | 12           |
| 04/05/24 19:55 | 6           | 29                       | 35                       | 0                        | 14.0       | 86        | 1.5         | 279       | 9            |
| 04/05/24 20:00 | 8           | 29                       | 38                       | 0                        | 14.1       | 87        | 1.3         | 278       | 14           |
| 04/05/24 20:05 | 8           | 28                       | 36                       | 0                        | 14.0       | 87        | 1.3         | 287       | 12           |
| 04/05/24 20:10 | 7           | 25                       | 33                       | 0                        | 14.0       | 88        | 1.2         | 280       | 15           |
| 04/05/24 20:15 | 3           | 23                       | 26                       | 0                        | 13.9       | 87        | 1.2         | 289       | 12           |
| 04/05/24 20:20 | 1           | 21                       | 22                       | 0                        | 13.7       | 86        | 1.3         | 282       | 11           |
| 04/05/24 20:25 | 1           | 21                       | 22                       | 0                        | 13.7       | 86        | 1.2         | 281       | 12           |
| 04/05/24 20:30 | 1           | 21                       | 22                       | 0                        | 13.7       | 85        | 1.4         | 279       | 12           |
| 04/05/24 20:35 | 1           | 21                       | 22                       | 0                        | 13.6       | 84        | 1.4         | 285       | 11           |
| 04/05/24 20:40 | 2           | 22                       | 23                       | 0                        | 13.7       | 84        | 1.2         | 286       | 13           |
| 04/05/24 20:45 | 3           | 23                       | 26                       | 0                        | 13.7       | 84        | 1.1         | 288       | 13           |
| 04/05/24 20:50 | 3           | 25                       | 28                       | 0                        | 13.7       | 84        | 1.5         | 278       | 11           |
| 04/05/24 20:55 | 4           | 26                       | 30                       | 0                        | 13.8       | 83        | 1.3         | 291       | 12           |
| 04/05/24 21:00 | 5           | 28                       | 34                       | 0                        | 13.8       | 81        | 1.2         | 291       | 12           |
| 04/05/24 21:05 | 8           | 30                       | 38                       | 0                        | 13.7       | 82        | 0.9         | 299       | 19           |
| 04/05/24 21:10 | 22          | 24                       | 46                       | 0                        | 13.6       | 81        | 0.9         | 349       | 21           |
| 04/05/24 21:15 | 28          | 27                       | 55                       | 0                        | 13.3       | 83        | 0.9         | 334       | 18           |
| 04/05/24 21:20 | 23          | 29                       | 52                       | 0                        | 13.4       | 83        | 1.0         | 293       | 18           |
| 04/05/24 21:25 | 23          | 29                       | 52                       | 0                        | 13.5       | 83        | 1.2         | 277       | 26           |
| 04/05/24 21:30 | 24          | 30                       | 54                       | 1                        | 13.5       | 82        | 0.2         | 343       | 80           |
| 04/05/24 21:35 | 24          | 29                       | 53                       | 1                        | 13.7       | 84        | 1.2         | 276       | 14           |
| 04/05/24 21:40 | 25          | 28                       | 53                       | 1                        | 13.6       | 83        | 1.0         | 296       | 9            |
| 04/05/24 21:45 | 26          | 28                       | 54                       | 1                        | 13.6       | 83        | 0.8         | 296       | 12           |
| 04/05/24 21:50 | 27          | 28                       | 55                       | 1                        | 13.7       | 83        | 0.2         | 342       | 63           |
| 04/05/24 21:55 | 33          | 27                       | 59                       | 1                        | 13.7       | 83        | 0.2         | 177       | 83           |
| 04/05/24 22:00 | 31          | 26                       | 57                       | 1                        | 13.8       | 84        | 0.8         | 139       | 46           |
| 04/05/24 22:05 | 33          | 21                       | 54                       | 1                        | 13.8       | 85        | 1.1         | 123       | 32           |
| 04/05/24 22:10 | 1           | 15                       | 16                       | 1                        | 14.4       | 89        | 1.6         | 134       | 21           |
| 04/05/24 22:15 | 0           | 15                       | 15                       | 1                        | 14.8       | 88        | 2.3         | 140       | 9            |
| 04/05/24 22:20 | 0           | 13                       | 13                       | 1                        | 14.9       | 88        | 2.2         | 138       | 14           |
| 04/05/24 22:25 | 0           | 12                       | 13                       | 0                        | 15.0       | 87        | 2.8         | 136       | 10           |
| 04/05/24 22:30 | 0           | 12                       | 12                       | 0                        | 14.9       | 87        | 2.6         | 135       | 13           |
| 04/05/24 22:35 | 0           | 12                       | 12                       | 1                        | 14.9       | 87        | 1.7         | 128       | 19           |
| 04/05/24 22:40 | 0           | 12                       | 12                       | 0                        | 14.9       | 87        | 1.5         | 124       | 21           |
| 04/05/24 22:45 | 0           | 13                       | 13                       | 0                        | 14.8       | 87        | 1.4         | 121       | 19           |
| 04/05/24 22:50 | 0           | 14                       | 14                       | 0                        | 14.7       | 88        | 1.3         | 121       | 17           |
| 04/05/24 22:55 | 0           | 14                       | 14                       | 0                        | 14.6       | 88        | 1.2         | 127       | 21           |
| 04/05/24 23:00 | 0           | 15                       | 15                       | 0                        | 14.7       | 88        | 1.4         | 126       | 17           |
| 04/05/24 23:05 | 0           | 15                       | 15                       | 0                        | 14.6       | 88        | 1.1         | 117       | 21           |
| 04/05/24 23:10 | 0           | 15                       | 15                       | 0                        | 14.6       | 88        | 1.4         | 120       | 16           |
| 04/05/24 23:15 | 0           | 16                       | 16                       | 0                        | 14.5       | 88        | 1.6         | 115       | 7            |
| 04/05/24 23:20 | 0           | 17                       | 17                       | 1                        | 14.6       | 88        | 1.4         | 114       | 9            |
| 04/05/24 23:25 | 0           | 17                       | 17                       | 1                        | 14.6       | 89        | 1.1         | 119       | 10           |
| 04/05/24 23:30 | 0           | 17                       | 17                       | 1                        | 14.5       | 89        | 0.8         | 105       | 18           |
| 04/05/24 23:35 | 1           | 18                       | 18                       | 0                        | 14.4       | 88        | 0.8         | 79        | 14           |
| 04/05/24 23:40 | 1           | 19                       | 20                       | 0                        | 14.4       | 88        | 0.4         | 87        | 23           |
| 04/05/24 23:45 | 2           | 21                       | 23                       | 0                        | 14.4       | 88        | 0.3         | 45        | 26           |
| 04/05/24 23:50 | 2           | 23                       | 25                       |                          | 14.3       | 88        | 0.7         | 107       | 19           |
| 04/05/24 23:55 | 2           | 22                       | 24                       |                          | 14.4       | 88        | 0.8         | 137       | 32           |
| 05/05/24 00:00 | 2           | 20                       | 22                       | 1                        | 14.4       | 88        | 1.2         | 133       | 13           |
| 05/05/24 00:05 | 1           | 16                       | 18                       | 1                        | 14.5       | 88        | 1.3         | 143       | 21           |
| 05/05/24 00:10 | 1           | 16                       | 17                       | 0                        | 14.4       | 88        | 1.4         | 135       | 13           |
| 05/05/24 00:15 | 1           | 16                       | 16                       | 0                        | 14.4       | 88        | 1.3         | 147       | 22           |
| 05/05/24 00:20 | 1           | 17                       | 17                       | 0                        | 14.4       | 88        | 1.4         | 146       | 17           |
| 05/05/24 00:25 | 1           | 17                       | 18                       | 0                        | 14.4       | 88        | 1.3         | 142       | 19           |
| 05/05/24 00:30 | 1           | 17                       | 18                       | 0                        | 14.4       | 88        | 1.4         | 138       | 15           |
| 05/05/24 00:35 | 1           | 18                       | 18                       | 0                        | 14.3       | 88        | 1.1         | 134       | 27           |
| 05/05/24 00:40 | 1           | 18                       | 19                       | 0                        | 14.3       | 88        | 1.2         | 110       | 9            |
| 05/05/24 00:45 | 4           | 22                       | 26                       | 0                        | 14.2       | 87        | 1.5         | 103       | 9            |
| 05/05/24 00:50 | 31          | 24                       | 55                       | 0                        | 14.0       | 87        | 1.3         | 78        | 10           |
| 05/05/24 00:55 | 34          | 24                       | 58                       | 0                        | 13.9       | 87        | 1.1         | 87        | 11           |
| 05/05/24 01:00 | 32          | 24                       | 57                       | 0                        | 13.9       | 87        | 0.7         | 71        | 13           |
| 05/05/24 01:05 |             |                          |                          |                          | 13.8       | 85        | 0.9         | 44        | 11           |
| 05/05/24 01:10 |             |                          |                          |                          | 13.5       | 84        | 1.0         | 46        | 14           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 05/05/24 01:15 |             |                          |                          |                          | 13.3       | 84        | 1.0         | 47        | 10           |
| 05/05/24 01:20 |             |                          |                          |                          | 13.1       | 84        | 1.2         | 47        | 11           |
| 05/05/24 01:25 |             |                          |                          |                          | 13.1       | 85        | 1.4         | 53        | 10           |
| 05/05/24 01:30 |             |                          |                          |                          | 13.1       | 85        | 1.6         | 48        | 9            |
| 05/05/24 01:35 |             |                          |                          |                          | 13.0       | 85        | 1.3         | 45        | 10           |
| 05/05/24 01:40 |             |                          |                          |                          | 13.0       | 85        | 1.6         | 34        | 16           |
| 05/05/24 01:45 |             |                          |                          |                          | 13.0       | 85        | 1.8         | 49        | 11           |
| 05/05/24 01:50 |             |                          |                          |                          | 12.9       | 85        | 1.8         | 46        | 12           |
| 05/05/24 01:55 |             |                          |                          |                          | 12.8       | 85        | 1.7         | 49        | 9            |
| 05/05/24 02:00 |             |                          |                          |                          | 12.8       | 85        | 1.7         | 41        | 11           |
| 05/05/24 02:05 | 18          | 21                       | 39                       | 1                        | 12.5       | 85        | 1.5         | 41        | 14           |
| 05/05/24 02:10 | 17          | 21                       | 38                       | 1                        | 12.5       | 86        | 1.4         | 47        | 12           |
| 05/05/24 02:15 | 12          | 21                       | 33                       | 1                        | 12.5       | 87        | 1.6         | 40        | 11           |
| 05/05/24 02:20 | 9           | 20                       | 29                       | 1                        | 12.5       | 87        | 1.4         | 47        | 11           |
| 05/05/24 02:25 | 6           | 20                       | 26                       | 1                        | 12.4       | 87        | 1.6         | 47        | 10           |
| 05/05/24 02:30 | 5           | 20                       | 24                       | 1                        | 12.3       | 87        | 1.5         | 51        | 9            |
| 05/05/24 02:35 | 4           | 19                       | 23                       | 0                        | 12.4       | 88        | 1.5         | 47        | 7            |
| 05/05/24 02:40 | 4           | 19                       | 23                       | 0                        | 12.4       | 88        | 1.6         | 45        | 9            |
| 05/05/24 02:45 | 4           | 18                       | 22                       | 0                        | 12.4       | 88        | 1.5         | 54        | 10           |
| 05/05/24 02:50 | 3           | 18                       | 21                       | 0                        | 12.5       | 88        | 1.6         | 44        | 9            |
| 05/05/24 02:55 | 3           | 18                       | 21                       | 0                        | 12.5       | 87        | 1.6         | 43        | 8            |
| 05/05/24 03:00 | 3           | 17                       | 20                       | 0                        | 12.4       | 87        | 1.5         | 44        | 8            |
| 05/05/24 03:05 | 3           | 18                       | 21                       | 0                        | 12.5       | 87        | 1.5         | 49        | 13           |
| 05/05/24 03:10 | 3           | 18                       | 21                       | 0                        | 12.6       | 87        | 1.3         | 55        | 9            |
| 05/05/24 03:15 | 3           | 18                       | 21                       | 0                        | 12.7       | 87        | 1.3         | 65        | 15           |
| 05/05/24 03:20 | 3           | 17                       | 20                       | 0                        | 12.7       | 86        | 1.3         | 64        | 12           |
| 05/05/24 03:25 | 3           | 17                       | 20                       | 0                        | 12.8       | 86        | 1.2         | 69        | 18           |
| 05/05/24 03:30 | 3           | 17                       | 19                       | 0                        | 12.7       | 86        | 1.2         | 55        | 10           |
| 05/05/24 03:35 | 3           | 17                       | 19                       | 0                        | 12.7       | 86        | 0.6         | 32        | 41           |
| 05/05/24 03:40 | 3           | 17                       | 20                       | 0                        | 12.8       | 86        | 1.1         | 302       | 19           |
| 05/05/24 03:45 | 3           | 17                       | 20                       | 0                        | 12.6       | 85        | 1.0         | 346       | 20           |
| 05/05/24 03:50 | 3           | 17                       | 21                       | 0                        | 12.6       | 86        | 0.7         | 359       | 13           |
| 05/05/24 03:55 | 3           | 17                       | 21                       | 0                        | 12.6       | 85        | 1.1         | 35        | 11           |
| 05/05/24 04:00 | 4           | 17                       | 21                       | 0                        | 12.6       | 85        | 1.3         | 44        | 8            |
| 05/05/24 04:05 | 5           | 17                       | 22                       | 0                        | 12.5       | 85        | 1.4         | 46        | 9            |
| 05/05/24 04:10 | 6           | 17                       | 23                       | 0                        | 12.5       | 85        | 1.2         | 38        | 12           |
| 05/05/24 04:15 | 7           | 17                       | 24                       | 1                        | 12.4       | 85        | 1.3         | 45        | 10           |
| 05/05/24 04:20 | 7           | 17                       | 24                       | 0                        | 12.2       | 85        | 1.4         | 52        | 10           |
| 05/05/24 04:25 | 7           | 17                       | 24                       | 0                        | 12.2       | 85        | 1.2         | 50        | 12           |
| 05/05/24 04:30 | 7           | 17                       | 24                       | 0                        | 12.2       | 85        | 1.4         | 62        | 11           |
| 05/05/24 04:35 | 7           | 17                       | 24                       | 0                        | 12.2       | 85        | 1.6         | 74        | 10           |
| 05/05/24 04:40 | 7           | 17                       | 24                       | 1                        | 12.2       | 85        | 1.5         | 69        | 12           |
| 05/05/24 04:45 | 7           | 17                       | 24                       | 1                        | 12.1       | 85        | 0.6         | 46        | 23           |
| 05/05/24 04:50 | 8           | 17                       | 25                       | 1                        | 12.1       | 85        | 0.9         | 21        | 12           |
| 05/05/24 04:55 | 9           | 18                       | 26                       | 0                        | 12.1       | 85        | 1.4         | 35        | 9            |
| 05/05/24 05:00 | 9           | 18                       | 27                       | 1                        | 11.9       | 86        | 1.6         | 44        | 9            |
| 05/05/24 05:05 | 9           | 18                       | 27                       | 1                        | 11.7       | 87        | 2.0         | 46        | 6            |
| 05/05/24 05:10 | 9           | 18                       | 27                       | 1                        | 11.6       | 88        | 1.8         | 46        | 6            |
| 05/05/24 05:15 | 9           | 18                       | 27                       | 1                        | 11.5       | 88        | 1.6         | 40        | 9            |
| 05/05/24 05:20 | 9           | 19                       | 28                       | 0                        | 11.4       | 88        | 1.4         | 34        | 7            |
| 05/05/24 05:25 | 10          | 19                       | 29                       | 0                        | 11.3       | 89        | 1.2         | 30        | 9            |
| 05/05/24 05:30 | 11          | 19                       | 31                       | 0                        | 11.3       | 89        | 1.5         | 42        | 10           |
| 05/05/24 05:35 | 12          | 19                       | 31                       | 0                        | 11.3       | 89        | 1.7         | 51        | 6            |
| 05/05/24 05:40 | 12          | 19                       | 30                       | 0                        | 11.2       | 90        | 1.2         | 56        | 7            |
| 05/05/24 05:45 | 11          | 19                       | 30                       | 0                        | 11.2       | 90        | 1.0         | 53        | 9            |
| 05/05/24 05:50 | 11          | 18                       | 29                       | 0                        | 11.1       | 90        | 1.2         | 55        | 5            |
| 05/05/24 05:55 | 11          | 18                       | 29                       | 0                        | 11.1       | 91        | 1.1         | 64        | 7            |
| 05/05/24 06:00 | 10          | 18                       | 28                       | 0                        | 11.1       | 91        | 1.1         | 57        | 8            |
| 05/05/24 06:05 | 10          | 18                       | 28                       | 0                        | 11.3       | 90        | 1.2         | 51        | 7            |
| 05/05/24 06:10 | 10          | 18                       | 28                       | 0                        | 11.3       | 90        | 1.2         | 53        | 6            |
| 05/05/24 06:15 | 10          | 18                       | 28                       | 0                        | 11.4       | 90        | 0.9         | 65        | 15           |
| 05/05/24 06:20 | 9           | 18                       | 27                       | 0                        | 11.5       | 90        | 0.8         | 77        | 14           |
| 05/05/24 06:25 | 9           | 18                       | 27                       | 0                        | 11.7       | 89        | 0.9         | 78        | 13           |
| 05/05/24 06:30 | 8           | 18                       | 26                       | 0                        | 11.8       | 89        | 1.2         | 62        | 12           |
| 05/05/24 06:35 | 8           | 18                       | 25                       | 0                        | 11.8       | 88        | 1.3         | 57        | 11           |
| 05/05/24 06:40 | 7           | 18                       | 25                       | 0                        | 11.9       | 88        | 1.0         | 57        | 12           |
| 05/05/24 06:45 | 6           | 17                       | 24                       | 0                        | 11.9       | 88        | 0.9         | 63        | 15           |
| 05/05/24 06:50 | 6           | 17                       | 23                       | 0                        | 12.0       | 88        | 1.0         | 77        | 17           |
| 05/05/24 06:55 | 6           | 17                       | 23                       | 0                        | 11.9       | 88        | 0.5         | 39        | 33           |
| 05/05/24 07:00 | 6           | 17                       | 23                       | 0                        | 12.0       | 89        | 0.4         | 168       | 28           |
| 05/05/24 07:05 | 6           | 17                       | 23                       | 0                        | 12.1       | 88        | 0.6         | 118       | 15           |
| 05/05/24 07:10 | 6           | 17                       | 23                       | 0                        | 12.1       | 89        | 0.4         | 187       | 52           |
| 05/05/24 07:15 | 7           | 17                       | 24                       | 0                        | 12.2       | 88        | 1.0         | 88        | 16           |
| 05/05/24 07:20 | 7           | 16                       | 23                       | 0                        | 12.1       | 88        | 0.8         | 91        | 20           |
| 05/05/24 07:25 | 7           | 16                       | 24                       | 0                        | 12.1       | 88        | 1.1         | 95        | 15           |
| 05/05/24 07:30 | 8           | 16                       | 24                       | 0                        | 12.1       | 88        | 0.9         | 90        | 13           |
| 05/05/24 07:35 | 8           | 16                       | 24                       | 0                        | 12.1       | 88        | 0.2         | 7         | 44           |
| 05/05/24 07:40 | 9           | 16                       | 24                       | 0                        | 12.1       | 88        | 0.4         | 346       | 28           |
| 05/05/24 07:45 | 9           | 16                       | 25                       | 0                        | 12.1       | 88        | 0.7         | 47        | 16           |
| 05/05/24 07:50 | 9           | 16                       | 25                       | 0                        | 12.1       | 88        | 0.3         | 350       | 51           |
| 05/05/24 07:55 | 10          | 16                       | 26                       | 0                        | 12.2       | 88        | 0.5         | 273       | 22           |
| 05/05/24 08:00 | 10          | 16                       | 26                       | 0                        | 12.3       | 87        | 0.3         | 344       | 30           |
| 05/05/24 08:05 | 10          | 16                       | 26                       | 0                        | 12.4       | 87        | 0.7         | 22        | 14           |
| 05/05/24 08:10 | 11          | 16                       | 26                       | 0                        | 12.4       | 86        | 0.8         | 48        | 8            |
| 05/05/24 08:15 | 11          | 16                       | 27                       | 0                        | 12.5       | 86        | 0.9         | 100       | 19           |
| 05/05/24 08:20 | 11          | 16                       | 27                       | 0                        | 12.5       | 86        | 1.6         | 111       | 8            |
| 05/05/24 08:25 | 12          | 16                       | 28                       | 0                        | 12.7       | 87        | 1.6         | 111       | 10           |
| 05/05/24 08:30 | 12          | 16                       | 27                       | 1                        | 12.9       | 87        | 1.8         | 110       | 9            |
| 05/05/24 08:35 | 11          | 15                       | 27                       | 1                        | 12.8       | 86        | 1.2         | 96        | 8            |
| 05/05/24 08:40 | 11          | 15                       | 27                       | 1                        | 12.8       | 86        | 1.1         | 104       | 11           |
| 05/05/24 08:45 | 11          | 15                       | 26                       | 1                        | 12.8       | 85        | 0.9         | 126       | 21           |
| 05/05/24 08:50 | 11          | 15                       | 26                       | 1                        | 12.9       | 85        | 1.1         | 115       | 11           |
| 05/05/24 08:55 | 11          | 15                       | 26                       | 1                        | 13.2       | 85        | 0.8         | 112       | 16           |
| 05/05/24 09:00 | 11          | 15                       | 26                       | 0                        | 13.3       | 84        | 0.4         | 126       | 16           |
| 05/05/24 09:05 | 11          | 15                       | 26                       | 0                        | 13.4       | 83        | 0.3         | 101       | 31           |
| 05/05/24 09:10 | 11          | 14                       | 25                       | 0                        | 13.7       | 82        | 0.5         | 166       | 42           |
| 05/05/24 09:15 | 10          | 14                       | 24                       | 0                        | 14.0       | 80        | 1.0         | 148       | 30           |
| 05/05/24 09:20 | 9           | 13                       | 22                       | 0                        | 14.1       | 79        | 1.4         | 165       | 27           |
| 05/05/24 09:25 | 6           | 8                        | 14                       | 0                        | 14.1       | 79        | 1.8         | 176       | 21           |
| 05/05/24 09:30 | 3           | 6                        | 9                        | 0                        | 14.1       | 79        | 1.5         | 170       | 22           |
| 05/05/24 09:35 | 2           | 7                        | 9                        | 0                        | 14.0       | 80        | 1.6         | 173       | 20           |
| 05/05/24 09:40 | 2           | 7                        | 9                        | 0                        | 14.2       | 79        | 1.7         | 169       | 20           |
| 05/05/24 09:45 | 2           | 6                        | 9                        | 0                        | 14.4       | 77        | 1.1         | 167       | 27           |
| 05/05/24 09:50 | 2           | 6                        | 9                        | 0                        | 14.7       | 76        | 1.6         | 170       | 25           |
| 05/05/24 09:55 | 2           | 6                        | 8                        | 0                        | 14.5       | 75        | 1.6         | 143       | 24           |
| 05/05/24 10:00 | 2           | 6                        | 8                        | 0                        | 14.0       | 76        | 2.1         | 133       | 15           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 05/05/24 10:05                              | 2           | 6                        | 8                        | 0                        | 13.8       | 78        | 1.7         | 148       | 20           |
| 05/05/24 10:10                              | 2           | 5                        | 7                        | 0                        | 13.8       | 78        | 1.5         | 139       | 16           |
| 05/05/24 10:15                              | 2           | 5                        | 7                        | 0                        | 13.7       | 78        | 1.5         | 131       | 16           |
| 05/05/24 10:20                              | 2           | 5                        | 7                        | 0                        | 13.8       | 78        | 1.2         | 148       | 27           |
| 05/05/24 10:25                              | 2           | 5                        | 7                        | 0                        | 13.9       | 78        | 1.5         | 140       | 26           |
| 05/05/24 10:30                              | 2           | 5                        | 7                        | 0                        | 13.9       | 77        | 1.4         | 136       | 15           |
| 05/05/24 10:35                              | 2           | 5                        | 7                        | 0                        | 13.9       | 77        | 1.0         | 158       | 37           |
| 05/05/24 10:40                              | 2           | 6                        | 8                        | 0                        | 14.1       | 76        | 1.4         | 172       | 28           |
| 05/05/24 10:45                              | 2           | 6                        | 8                        | 0                        | 14.3       | 76        | 1.2         | 189       | 23           |
| 05/05/24 10:50                              | 2           | 6                        | 8                        | 0                        | 14.2       | 77        | 2.0         | 206       | 11           |
| 05/05/24 10:55                              | 2           | 6                        | 8                        | 0                        | 13.9       | 78        | 1.6         | 216       | 12           |
| 05/05/24 11:00                              | 2           | 6                        | 8                        | 0                        | 13.8       | 77        | 1.1         | 225       | 9            |
| 05/05/24 11:05                              | 2           | 6                        | 8                        | 0                        | 13.8       | 78        | 0.8         | 206       | 16           |
| 05/05/24 11:10                              | 2           | 6                        | 8                        | 0                        | 14.1       | 76        | 0.3         | 104       | 49           |
| 05/05/24 11:15                              | 2           | 6                        | 8                        | 0                        | 14.1       | 75        | 0.5         | 232       | 23           |
| 05/05/24 11:20                              | 2           | 6                        | 8                        | 0                        | 14.0       | 76        | 0.9         | 235       | 19           |
| 05/05/24 11:25                              | 3           | 6                        | 8                        | 0                        | 14.3       | 75        | 0.8         | 242       | 20           |
| 05/05/24 11:30                              | 3           | 6                        | 8                        | 0                        | 14.3       | 75        | 1.0         | 213       | 13           |
| 05/05/24 11:35                              | 3           | 6                        | 9                        | 0                        | 14.4       | 76        | 1.0         | 203       | 20           |
| 05/05/24 11:40                              | 3           | 6                        | 9                        | 0                        | 14.3       | 76        | 1.3         | 212       | 9            |
| 05/05/24 11:45                              | 3           | 6                        | 9                        | 0                        | 14.2       | 76        | 0.7         | 234       | 14           |
| 05/05/24 11:50                              | 3           | 6                        | 9                        | 0                        | 14.1       | 76        | 1.2         | 226       | 7            |
| 05/05/24 11:55                              | 3           | 6                        | 9                        | 0                        | 14.3       | 76        | 1.9         | 222       | 5            |
| 05/05/24 12:00                              | 3           | 6                        | 9                        | 0                        | 14.2       | 76        | 1.9         | 218       | 5            |
| 05/05/24 12:05                              | 3           | 6                        | 9                        | 0                        | 14.2       | 77        | 2.1         | 217       | 8            |
| 05/05/24 12:10                              | 3           | 6                        | 9                        | 0                        | 14.2       | 77        | 2.1         | 215       | 9            |
| 05/05/24 12:15                              | 3           | 6                        | 9                        | 0                        | 14.3       | 77        | 2.1         | 216       | 7            |
| 05/05/24 12:20                              | 3           | 6                        | 9                        | 0                        | 14.3       | 77        | 1.9         | 217       | 5            |
| 05/05/24 12:25                              | 3           | 6                        | 8                        | 0                        | 14.4       | 76        | 1.9         | 222       | 5            |
| 05/05/24 12:30                              | 3           | 5                        | 8                        | 0                        | 14.3       | 76        | 1.9         | 224       | 7            |
| 05/05/24 12:35                              | 3           | 5                        | 8                        | 0                        | 14.5       | 76        | 1.7         | 233       | 7            |
| 05/05/24 12:40                              | 3           | 6                        | 8                        | 0                        | 14.5       | 76        | 1.6         | 237       | 12           |
| 05/05/24 12:45                              | 3           | 6                        | 8                        | 0                        | 14.7       | 75        | 1.4         | 254       | 7            |
| 05/05/24 12:50                              | 3           | 6                        | 8                        | 0                        | 14.8       | 74        | 1.3         | 239       | 11           |
| 05/05/24 12:55                              | 3           | 6                        | 8                        | 0                        | 14.9       | 74        | 1.6         | 228       | 8            |
| 05/05/24 13:00                              | 3           | 6                        | 8                        | 0                        | 15.0       | 74        | 1.6         | 229       | 5            |
| 05/05/24 13:05                              | 3           | 6                        | 8                        | 0                        | 15.1       | 73        | 1.7         | 239       | 8            |
| 05/05/24 13:10                              | 3           | 6                        | 9                        | 0                        | 15.2       | 73        | 2.1         | 227       | 4            |
| 05/05/24 13:15                              | 3           | 6                        | 9                        | 0                        | 15.4       | 73        | 1.9         | 229       | 4            |
| 05/05/24 13:20                              | 3           | 6                        | 8                        | 0                        | 15.5       | 73        | 2.4         | 220       | 4            |
| 05/05/24 13:25                              | 3           | 6                        | 8                        | 0                        | 15.6       | 73        | 2.5         | 227       | 4            |
| 05/05/24 13:30                              | 2           | 6                        | 8                        | 0                        | 15.7       | 73        | 2.2         | 230       | 5            |
| 05/05/24 13:35                              | 2           | 6                        | 8                        | 0                        | 16.0       | 72        | 1.6         | 245       | 5            |
| 05/05/24 13:40                              | 2           | 6                        | 8                        | 0                        | 16.2       | 69        | 1.0         | 247       | 7            |
| 05/05/24 13:45                              | 2           | 6                        | 8                        | 0                        | 16.3       | 69        | 0.8         | 262       | 11           |
| 05/05/24 13:50                              | 2           | 6                        | 8                        | 0                        | 16.3       | 70        | 0.8         | 256       | 11           |
| 05/05/24 13:55                              | 2           | 6                        | 8                        | 0                        | 16.4       | 71        | 1.3         | 234       | 11           |
| 05/05/24 14:00                              | 2           | 5                        | 7                        | 0                        | 16.5       | 71        | 1.3         | 215       | 11           |
| 05/05/24 14:05                              | 1           | 5                        | 6                        | 0                        | 16.6       | 71        | 1.1         | 223       | 7            |
| 05/05/24 14:10                              | 1           | 5                        | 6                        | 0                        | 16.5       | 73        | 1.5         | 224       | 5            |
| 05/05/24 14:15                              | 1           | 5                        | 6                        | 0                        | 16.3       | 75        | 1.8         | 214       | 5            |
| 05/05/24 14:20                              | 1           | 4                        | 5                        | 0                        | 16.3       | 77        | 3.3         | 220       | 6            |
| 05/05/24 14:25                              | 1           | 4                        | 5                        | 0                        | 16.2       | 78        | 4.7         | 228       | 3            |
| 05/05/24 14:30                              | 1           | 4                        | 5                        | 0                        | 16.2       | 77        | 4.0         | 229       | 4            |
| 05/05/24 14:35                              | 1           | 4                        | 5                        | 0                        | 16.3       | 79        | 4.3         | 228       | 3            |
| 05/05/24 14:40                              | 1           | 4                        | 5                        | 0                        | 16.3       | 81        | 4.6         | 228       | 3            |
| 05/05/24 14:45                              | 1           | 4                        | 4                        | 0                        | 16.2       | 83        | 4.4         | 228       | 4            |
| 05/05/24 14:50                              | 1           | 3                        | 4                        | 0                        | 16.1       | 85        | 4.7         | 232       | 4            |
| 05/05/24 14:55                              | 1           | 3                        | 4                        | 0                        | 16.1       | 85        | 4.5         | 229       | 4            |
| 05/05/24 15:00                              | 1           | 3                        | 4                        | 0                        | 16.1       | 86        | 5.0         | 229       | 3            |
| 05/05/24 15:05                              | 1           | 3                        | 4                        | 0                        | 16.2       | 85        | 4.4         | 226       | 4            |
| 05/05/24 15:10                              | 1           | 3                        | 4                        | 0                        | 16.2       | 84        | 4.1         | 227       | 4            |
| 05/05/24 15:15                              | 1           | 3                        | 4                        | 0                        | 16.3       | 83        | 4.0         | 222       | 4            |
| 05/05/24 15:20                              | 1           | 3                        | 4                        | 0                        | 16.4       | 84        | 4.1         | 229       | 3            |
| 05/05/24 15:25                              | 0           | 3                        | 4                        | 0                        | 16.3       | 83        | 4.1         | 228       | 3            |
| 05/05/24 15:30                              | 1           | 3                        | 4                        | 0                        | 16.4       | 84        | 3.6         | 229       | 4            |
| 05/05/24 15:35                              | 1           | 3                        | 4                        | 0                        | 16.5       | 84        | 3.8         | 228       | 4            |
| 05/05/24 15:40                              | 1           | 3                        | 4                        | 0                        | 16.5       | 84        | 4.4         | 223       | 6            |
| 05/05/24 15:45                              | 1           | 3                        | 4                        | 0                        | 16.6       | 84        | 4.6         | 224       | 5            |
| 05/05/24 15:50                              | 1           | 3                        | 4                        | 0                        | 16.9       | 84        | 4.7         | 216       | 4            |
| 05/05/24 15:55                              | 1           | 3                        | 3                        | 0                        | 17.1       | 84        | 4.2         | 212       | 4            |
| 05/05/24 16:00                              | 1           | 3                        | 3                        | 0                        | 17.3       | 84        | 3.7         | 199       | 11           |
| 05/05/24 16:05                              | 0           | 2                        | 3                        | 0                        | 18.1       | 80        | 3.4         | 188       | 12           |
| 05/05/24 16:10                              | 0           | 2                        | 3                        | 0                        | 18.3       | 80        | 3.0         | 188       | 13           |
| 05/05/24 16:15                              | 1           | 2                        | 2                        | 0                        | 18.3       | 79        | 3.8         | 174       | 17           |
| 05/05/24 16:20                              | 0           | 2                        | 2                        | 0                        | 18.4       | 79        | 3.1         | 174       | 21           |
| 05/05/24 16:25                              | 0           | 2                        | 2                        | 0                        | 18.5       | 78        | 2.3         | 171       | 29           |
| 05/05/24 16:30                              | 0           | 2                        | 2                        | 0                        | 18.5       | 77        | 2.8         | 172       | 23           |
| 05/05/24 16:35                              | 0           | 2                        | 2                        | 0                        | 18.4       | 77        | 3.6         | 172       | 20           |
| 05/05/24 16:40                              | 0           | 2                        | 2                        | 0                        | 18.4       | 79        | 3.2         | 172       | 20           |
| 05/05/24 16:45                              | 0           | 2                        | 2                        | 0                        | 18.2       | 79        | 2.9         | 172       | 29           |
| 05/05/24 16:50                              | 0           | 2                        | 2                        | 0                        | 18.0       | 80        | 2.7         | 169       | 27           |
| 05/05/24 16:55                              | 0           | 2                        | 2                        | 0                        | 17.7       | 82        | 2.7         | 167       | 25           |
| 05/05/24 17:00                              | 0           | 2                        | 2                        | 0                        | 17.5       | 84        | 2.3         | 178       | 27           |
| 05/05/24 17:05                              | 0           | 2                        | 2                        | 0                        | 17.4       | 84        | 1.9         | 174       | 33           |
| 05/05/24 17:10                              | 0           | 2                        | 2                        | 0                        | 17.3       | 85        | 2.2         | 167       | 30           |
| 05/05/24 17:15                              | 0           | 2                        | 2                        | 0                        | 17.2       | 85        | 1.8         | 171       | 36           |
| 05/05/24 17:20                              | 0           | 2                        | 2                        | 0                        | 17.2       | 85        | 2.1         | 175       | 29           |
| 05/05/24 17:25                              | 0           | 2                        | 2                        | 0                        | 17.1       | 85        | 2.2         | 177       | 31           |
| 05/05/24 17:30                              | 0           | 1                        | 2                        | 0                        | 17.1       | 85        | 2.5         | 177       | 32           |
| 05/05/24 17:35                              | 0           | 1                        | 2                        | 0                        | 17.1       | 85        | 3.0         | 160       | 26           |
| 05/05/24 17:40                              | 0           | 1                        | 2                        | 0                        | 17.0       | 85        | 3.0         | 167       | 21           |
| 05/05/24 17:45                              | 0           | 1                        | 2                        | 0                        | 16.9       | 86        | 2.5         | 169       | 25           |
| 05/05/24 17:50                              | 0           | 1                        | 2                        | 0                        | 16.9       | 86        | 2.6         | 164       | 25           |
| 05/05/24 17:55                              | 0           | 2                        | 2                        | 0                        | 16.9       | 86        | 2.6         | 170       | 31           |
| 05/05/24 18:00                              | 0           | 2                        | 2                        | 0                        | 16.9       | 86        | 2.2         | 167       | 32           |
| 05/05/24 18:05                              | 0           | 2                        | 2                        | 0                        | 16.8       | 86        | 2.6         | 169       | 28           |
| 05/05/24 18:10                              | 0           | 2                        | 2                        | 0                        | 16.8       | 86        | 2.3         | 172       | 33           |
| 05/05/24 18:15                              | 0           | 2                        | 2                        | 0                        | 16.7       | 86        | 2.0         | 172       | 32           |
| 05/05/24 18:20                              | 0           | 2                        | 2                        | 0                        | 16.7       | 86        | 2.2         | 165       | 31           |
| 05/05/24 18:25                              | 0           | 2                        | 2                        | 0                        | 16.7       | 86        | 2.6         | 158       | 27           |
| 05/05/24 18:30                              | 0           | 2                        | 2                        | 0                        | 16.7       | 85        | 1.9         | 169       | 36           |
| 05/05/24 18:35                              | 0           | 2                        | 2                        | 0                        | 16.7       | 86        | 1.9         | 164       | 35           |
| 05/05/24 18:40                              | 0           | 2                        | 2                        | 0                        | 16.7       | 85        | 2.2         | 160       | 30           |
| 05/05/24 18:45                              | 0           | 2                        | 2                        | 0                        | 16.6       | 85        | 2.8         | 151       | 24           |
| 05/05/24 18:50                              | 0           | 2                        | 2                        | 0                        | 16.6       | 84        | 5.2         | 144       | 13           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 05/05/24 18:55 | 0           | 2                        | 2                        | 0                        | 16.6       | 83        | 5.4         | 140       | 11           |
| 05/05/24 19:00 | 0           | 3                        | 2                        | 0                        | 16.6       | 83        | 5.0         | 139       | 13           |
| 05/05/24 19:05 | 0           | 3                        | 2                        | 0                        | 16.7       | 84        | 4.6         | 138       | 11           |
| 05/05/24 19:10 | 0           | 3                        | 3                        | 0                        | 16.6       | 83        | 5.2         | 141       | 12           |
| 05/05/24 19:15 | 0           | 3                        | 3                        | 0                        | 16.5       | 83        | 5.3         | 136       | 10           |
| 05/05/24 19:20 | 0           | 3                        | 3                        | 0                        | 16.5       | 83        | 5.5         | 135       | 9            |
| 05/05/24 19:25 | 0           | 3                        | 3                        | 0                        | 16.5       | 83        | 5.8         | 139       | 9            |
| 05/05/24 19:30 | 0           | 2                        | 3                        | 0                        | 16.5       | 83        | 5.4         | 135       | 10           |
| 05/05/24 19:35 | 0           | 2                        | 3                        | 0                        | 16.4       | 83        | 5.9         | 138       | 11           |
| 05/05/24 19:40 | 0           | 2                        | 3                        | 0                        | 16.4       | 83        | 4.7         | 135       | 11           |
| 05/05/24 19:45 | 0           | 3                        | 3                        | 0                        | 16.3       | 83        | 4.2         | 129       | 14           |
| 05/05/24 19:50 | 0           | 3                        | 3                        | 0                        | 16.3       | 84        | 5.3         | 137       | 10           |
| 05/05/24 19:55 | 0           | 3                        | 3                        | 0                        | 16.3       | 84        | 5.0         | 137       | 11           |
| 05/05/24 20:00 | 0           | 2                        | 2                        | 0                        | 16.3       | 84        | 5.3         | 137       | 10           |
| 05/05/24 20:05 | 0           | 2                        | 2                        | 0                        | 16.2       | 84        | 5.2         | 135       | 10           |
| 05/05/24 20:10 | 0           | 2                        | 2                        | 0                        | 16.1       | 84        | 5.8         | 134       | 8            |
| 05/05/24 20:15 | 0           | 2                        | 2                        | 0                        | 16.2       | 84        | 5.5         | 134       | 12           |
| 05/05/24 20:20 | 0           | 2                        | 2                        | 0                        | 16.1       | 83        | 5.3         | 133       | 10           |
| 05/05/24 20:25 | 0           | 2                        | 2                        | 0                        | 16.2       | 83        | 5.6         | 137       | 10           |
| 05/05/24 20:30 | 0           | 2                        | 2                        | 0                        | 16.1       | 83        | 5.3         | 137       | 11           |
| 05/05/24 20:35 | 0           | 2                        | 2                        | 0                        | 16.1       | 83        | 4.1         | 128       | 14           |
| 05/05/24 20:40 | 0           | 2                        | 2                        | 0                        | 16.1       | 83        | 3.4         | 125       | 17           |
| 05/05/24 20:45 | 0           | 3                        | 2                        | 0                        | 16.0       | 83        | 3.3         | 125       | 17           |
| 05/05/24 20:50 | 0           | 3                        | 3                        | 0                        | 16.0       | 84        | 3.1         | 133       | 18           |
| 05/05/24 20:55 | 0           | 3                        | 3                        | 0                        | 15.9       | 82        | 3.8         | 128       | 16           |
| 05/05/24 21:00 | 0           | 3                        | 3                        | 0                        | 15.9       | 82        | 4.3         | 131       | 13           |
| 05/05/24 21:05 | 0           | 3                        | 3                        | 0                        | 15.8       | 83        | 2.7         | 124       | 17           |
| 05/05/24 21:10 | 0           | 3                        | 3                        | 0                        | 15.8       | 83        | 2.6         | 124       | 20           |
| 05/05/24 21:15 | 0           | 3                        | 3                        | 0                        | 15.7       | 84        | 2.7         | 122       | 18           |
| 05/05/24 21:20 | 0           | 3                        | 3                        | 0                        | 15.7       | 83        | 3.4         | 133       | 13           |
| 05/05/24 21:25 | 0           | 4                        | 4                        | 0                        | 15.8       | 83        | 2.8         | 130       | 14           |
| 05/05/24 21:30 | 0           | 4                        | 4                        | 0                        | 15.8       | 83        | 3.7         | 133       | 15           |
| 05/05/24 21:35 | 0           | 3                        | 3                        | 0                        | 15.8       | 83        | 3.9         | 133       | 13           |
| 05/05/24 21:40 | 0           | 3                        | 3                        | 0                        | 15.8       | 82        | 4.0         | 128       | 13           |
| 05/05/24 21:45 | 0           | 3                        | 3                        | 0                        | 15.8       | 82        | 3.8         | 131       | 14           |
| 05/05/24 21:50 | 0           | 3                        | 3                        | 0                        | 15.9       | 83        | 3.9         | 130       | 13           |
| 05/05/24 21:55 | 0           | 3                        | 3                        | 0                        | 15.8       | 83        | 2.5         | 125       | 23           |
| 05/05/24 22:00 | 0           | 3                        | 3                        | 0                        | 15.7       | 83        | 2.4         | 127       | 22           |
| 05/05/24 22:05 | 0           | 3                        | 3                        | 0                        | 15.6       | 84        | 2.9         | 130       | 17           |
| 05/05/24 22:10 | 0           | 3                        | 3                        | 0                        | 15.6       | 84        | 3.7         | 131       | 16           |
| 05/05/24 22:15 | 0           | 3                        | 3                        | 0                        | 15.4       | 84        | 3.0         | 132       | 16           |
| 05/05/24 22:20 | 0           | 3                        | 3                        | 0                        | 15.4       | 84        | 3.7         | 131       | 15           |
| 05/05/24 22:25 | 0           | 3                        | 3                        | 0                        | 15.4       | 85        | 2.5         | 124       | 25           |
| 05/05/24 22:30 | 0           | 3                        | 3                        | 0                        | 15.3       | 85        | 2.4         | 121       | 23           |
| 05/05/24 22:35 | 0           | 3                        | 3                        | 0                        | 15.4       | 86        | 3.2         | 115       | 13           |
| 05/05/24 22:40 | 0           | 3                        | 3                        | 0                        | 15.3       | 86        | 2.5         | 119       | 22           |
| 05/05/24 22:45 | 0           | 3                        | 3                        | 0                        | 15.3       | 86        | 2.5         | 119       | 20           |
| 05/05/24 22:50 | 0           | 3                        | 3                        | 0                        | 15.1       | 86        | 3.5         | 116       | 14           |
| 05/05/24 22:55 | 0           | 3                        | 3                        | 0                        | 15.1       | 87        | 3.9         | 110       | 6            |
| 05/05/24 23:00 | 0           | 3                        | 3                        | 0                        | 14.9       | 86        | 4.9         | 112       | 7            |
| 05/05/24 23:05 | 0           | 3                        | 3                        | 0                        | 15.0       | 87        | 5.3         | 111       | 6            |
| 05/05/24 23:10 | 0           | 3                        | 3                        | 0                        | 14.9       | 87        | 4.5         | 108       | 5            |
| 05/05/24 23:15 | 0           | 3                        | 3                        | 0                        | 14.9       | 87        | 4.4         | 109       | 5            |
| 05/05/24 23:20 | 0           | 3                        | 3                        | 0                        | 14.8       | 87        | 4.6         | 108       | 6            |
| 05/05/24 23:25 | 0           | 3                        | 3                        | 0                        | 14.7       | 87        | 4.9         | 107       | 6            |
| 05/05/24 23:30 | 0           | 3                        | 3                        | 0                        | 14.8       | 88        | 5.3         | 109       | 5            |
| 05/05/24 23:35 | 0           | 3                        | 3                        | 0                        | 14.7       | 88        | 4.2         | 113       | 8            |
| 05/05/24 23:40 | 0           | 3                        | 3                        | 0                        | 14.8       | 88        | 3.0         | 119       | 9            |
| 05/05/24 23:45 | 0           | 3                        | 3                        | 0                        | 14.7       | 88        | 2.8         | 118       | 15           |
| 05/05/24 23:50 | 0           | 3                        | 3                        |                          | 14.7       | 88        | 2.5         | 121       | 15           |
| 05/05/24 23:55 | 0           | 3                        | 3                        |                          | 14.5       | 88        | 2.3         | 123       | 21           |
| 06/05/24 00:00 | 0           | 3                        | 3                        | 0                        | 14.5       | 88        | 2.0         | 122       | 19           |
| 06/05/24 00:05 | 0           | 3                        | 3                        | 0                        | 14.4       | 88        | 1.8         | 131       | 18           |
| 06/05/24 00:10 | 0           | 3                        | 3                        | 0                        | 14.3       | 89        | 1.5         | 127       | 23           |
| 06/05/24 00:15 | 0           | 3                        | 3                        | 1                        | 14.3       | 89        | 1.2         | 121       | 25           |
| 06/05/24 00:20 | 0           | 3                        | 3                        | 1                        | 14.3       | 89        | 2.7         | 135       | 11           |
| 06/05/24 00:25 | 0           | 3                        | 4                        | 1                        | 14.2       | 88        | 2.6         | 137       | 10           |
| 06/05/24 00:30 | 0           | 4                        | 4                        | 1                        | 14.2       | 89        | 2.5         | 134       | 13           |
| 06/05/24 00:35 | 0           | 4                        | 4                        | 1                        | 14.3       | 89        | 2.7         | 138       | 13           |
| 06/05/24 00:40 | 0           | 4                        | 4                        | 1                        | 14.3       | 89        | 2.5         | 136       | 14           |
| 06/05/24 00:45 | 0           | 4                        | 4                        | 1                        | 14.3       | 89        | 1.8         | 130       | 20           |
| 06/05/24 00:50 | 0           | 4                        | 5                        | 1                        | 14.2       | 89        | 2.2         | 128       | 17           |
| 06/05/24 00:55 | 0           | 4                        | 5                        | 1                        | 14.2       | 89        | 1.8         | 128       | 20           |
| 06/05/24 01:00 | 0           | 5                        | 5                        | 1                        | 14.1       | 89        | 1.8         | 120       | 17           |
| 06/05/24 01:05 |             |                          |                          |                          | 14.0       | 90        | 1.7         | 130       | 24           |
| 06/05/24 01:10 |             |                          |                          |                          | 14.0       | 90        | 1.8         | 129       | 20           |
| 06/05/24 01:15 |             |                          |                          |                          | 13.9       | 90        | 2.2         | 133       | 18           |
| 06/05/24 01:20 |             |                          |                          |                          | 13.9       | 90        | 2.5         | 137       | 13           |
| 06/05/24 01:25 |             |                          |                          |                          | 13.9       | 90        | 2.8         | 139       | 15           |
| 06/05/24 01:30 |             |                          |                          |                          | 14.0       | 90        | 2.9         | 136       | 13           |
| 06/05/24 01:35 |             |                          |                          |                          | 14.0       | 90        | 2.7         | 136       | 10           |
| 06/05/24 01:40 |             |                          |                          |                          | 14.0       | 90        | 2.4         | 129       | 17           |
| 06/05/24 01:45 |             |                          |                          |                          | 14.1       | 90        | 2.5         | 130       | 17           |
| 06/05/24 01:50 |             |                          |                          |                          | 14.1       | 90        | 3.1         | 131       | 14           |
| 06/05/24 01:55 |             |                          |                          |                          | 14.1       | 90        | 3.9         | 134       | 11           |
| 06/05/24 02:00 |             |                          |                          |                          | 14.1       | 90        | 3.3         | 139       | 14           |
| 06/05/24 02:05 | 0           | 4                        | 3                        | 1                        | 14.1       | 89        | 3.7         | 141       | 11           |
| 06/05/24 02:10 | 0           | 3                        | 3                        | 1                        | 14.1       | 90        | 2.6         | 151       | 23           |
| 06/05/24 02:15 | 0           | 3                        | 3                        | 1                        | 14.1       | 90        | 2.4         | 154       | 24           |
| 06/05/24 02:20 | 0           | 3                        | 3                        | 1                        | 14.1       | 90        | 1.8         | 159       | 32           |
| 06/05/24 02:25 | 0           | 3                        | 3                        | 1                        | 14.2       | 90        | 2.0         | 161       | 26           |
| 06/05/24 02:30 | 0           | 3                        | 3                        | 1                        | 14.2       | 90        | 3.4         | 148       | 18           |
| 06/05/24 02:35 | 0           | 3                        | 3                        | 1                        | 14.3       | 89        | 4.3         | 143       | 13           |
| 06/05/24 02:40 | 0           | 4                        | 4                        | 1                        | 14.3       | 90        | 4.5         | 144       | 11           |
| 06/05/24 02:45 | 0           | 4                        | 4                        | 1                        | 14.4       | 89        | 3.9         | 147       | 16           |
| 06/05/24 02:50 | 0           | 3                        | 4                        | 1                        | 14.4       | 89        | 4.2         | 146       | 17           |
| 06/05/24 02:55 | 0           | 3                        | 3                        | 1                        | 14.3       | 89        | 4.3         | 148       | 16           |
| 06/05/24 03:00 | 0           | 3                        | 3                        | 1                        | 14.4       | 90        | 3.4         | 152       | 21           |
| 06/05/24 03:05 | 0           | 2                        | 2                        | 1                        | 14.4       | 89        | 3.5         | 153       | 20           |
| 06/05/24 03:10 | 0           | 2                        | 2                        | 1                        | 14.4       | 90        | 3.4         | 147       | 19           |
| 06/05/24 03:15 | 0           | 2                        | 2                        | 1                        | 14.3       | 90        | 3.2         | 151       | 24           |
| 06/05/24 03:20 | 0           | 2                        | 2                        | 1                        | 14.3       | 90        | 3.1         | 150       | 21           |
| 06/05/24 03:25 | 0           | 2                        | 2                        | 1                        | 14.4       | 91        | 2.9         | 153       | 23           |
| 06/05/24 03:30 | 0           | 1                        | 2                        | 1                        | 14.5       | 91        | 3.9         | 141       | 12           |
| 06/05/24 03:35 | 0           | 1                        | 1                        | 1                        | 14.4       | 91        | 3.1         | 131       | 17           |
| 06/05/24 03:40 | 0           | 1                        | 1                        | 1                        | 14.4       | 91        | 2.1         | 124       | 21           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 06/05/24 03:45 | 0           | 1                        | 1                        | 1                        | 14.0       | 91        | 1.8         | 124       | 20           |
| 06/05/24 03:50 | 0           | 1                        | 2                        | 1                        | 14.0       | 92        | 2.0         | 121       | 18           |
| 06/05/24 03:55 | 0           | 2                        | 2                        | 1                        | 13.8       | 93        | 2.4         | 115       | 13           |
| 06/05/24 04:00 | 0           | 2                        | 2                        | 1                        | 13.6       | 93        | 2.2         | 117       | 14           |
| 06/05/24 04:05 | 0           | 2                        | 2                        | 1                        | 13.5       | 93        | 1.8         | 117       | 15           |
| 06/05/24 04:10 | 0           | 2                        | 2                        | 1                        | 13.4       | 94        | 1.4         | 116       | 19           |
| 06/05/24 04:15 | 0           | 2                        | 2                        | 1                        | 13.6       | 94        | 1.7         | 118       | 18           |
| 06/05/24 04:20 | 0           | 2                        | 2                        | 1                        | 13.5       | 94        | 1.6         | 119       | 15           |
| 06/05/24 04:25 | 0           | 2                        | 2                        | 1                        | 13.4       | 94        | 2.1         | 115       | 12           |
| 06/05/24 04:30 | 0           | 2                        | 2                        | 1                        | 13.3       | 93        | 1.9         | 100       | 7            |
| 06/05/24 04:35 | 0           | 3                        | 3                        | 1                        | 13.0       | 94        | 2.0         | 107       | 8            |
| 06/05/24 04:40 | 0           | 3                        | 3                        | 1                        | 13.0       | 94        | 1.8         | 111       | 10           |
| 06/05/24 04:45 | 0           | 3                        | 3                        | 1                        | 12.9       | 94        | 1.8         | 114       | 13           |
| 06/05/24 04:50 | 0           | 3                        | 3                        | 1                        | 12.9       | 95        | 2.2         | 111       | 11           |
| 06/05/24 04:55 | 0           | 3                        | 3                        | 1                        | 13.0       | 95        | 2.3         | 107       | 10           |
| 06/05/24 05:00 | 0           | 3                        | 3                        | 1                        | 13.0       | 95        | 2.3         | 110       | 10           |
| 06/05/24 05:05 | 0           | 3                        | 3                        | 1                        | 12.9       | 95        | 2.6         | 114       | 9            |
| 06/05/24 05:10 | 0           | 4                        | 4                        | 1                        | 12.8       | 95        | 2.1         | 104       | 13           |
| 06/05/24 05:15 | 0           | 4                        | 4                        | 1                        | 12.4       | 94        | 1.5         | 82        | 11           |
| 06/05/24 05:20 | 0           | 4                        | 4                        | 1                        | 12.4       | 95        | 1.7         | 101       | 12           |
| 06/05/24 05:25 | 0           | 5                        | 5                        | 1                        | 12.3       | 95        | 1.8         | 106       | 13           |
| 06/05/24 05:30 | 0           | 5                        | 5                        | 1                        | 12.2       | 95        | 1.7         | 96        | 10           |
| 06/05/24 05:35 | 0           | 5                        | 5                        | 1                        | 12.2       | 96        | 1.7         | 104       | 8            |
| 06/05/24 05:40 | 0           | 6                        | 6                        | 1                        | 12.2       | 96        | 2.1         | 98        | 8            |
| 06/05/24 05:45 | 0           | 6                        | 6                        | 1                        | 12.2       | 96        | 2.0         | 111       | 12           |
| 06/05/24 05:50 | 0           | 6                        | 6                        | 1                        | 12.2       | 97        | 1.9         | 114       | 12           |
| 06/05/24 05:55 | 0           | 6                        | 6                        | 1                        | 12.4       | 97        | 1.9         | 115       | 11           |
| 06/05/24 06:00 | 0           | 6                        | 6                        | 1                        | 12.5       | 97        | 1.4         | 116       | 22           |
| 06/05/24 06:05 | 0           | 6                        | 6                        | 1                        | 12.5       | 97        | 1.6         | 112       | 16           |
| 06/05/24 06:10 | 0           | 6                        | 6                        | 1                        | 12.5       | 97        | 2.3         | 111       | 9            |
| 06/05/24 06:15 | 0           | 6                        | 6                        | 1                        | 12.5       | 97        | 1.9         | 110       | 9            |
| 06/05/24 06:20 | 0           | 7                        | 7                        | 1                        | 12.4       | 96        | 1.7         | 92        | 11           |
| 06/05/24 06:25 | 0           | 8                        | 8                        | 1                        | 12.2       | 96        | 1.7         | 90        | 11           |
| 06/05/24 06:30 | 0           | 9                        | 10                       | 1                        | 12.1       | 96        | 1.8         | 83        | 14           |
| 06/05/24 06:35 | 0           | 11                       | 11                       | 1                        | 12.0       | 96        | 1.9         | 81        | 19           |
| 06/05/24 06:40 | 1           | 13                       | 14                       | 1                        | 11.9       | 96        | 2.1         | 92        | 13           |
| 06/05/24 06:45 | 1           | 14                       | 15                       | 1                        | 11.8       | 96        | 2.1         | 92        | 8            |
| 06/05/24 06:50 | 1           | 14                       | 15                       | 1                        | 11.9       | 96        | 1.7         | 95        | 11           |
| 06/05/24 06:55 | 1           | 15                       | 16                       | 1                        | 11.7       | 96        | 1.4         | 85        | 11           |
| 06/05/24 07:00 | 1           | 15                       | 16                       | 1                        | 11.6       | 96        | 1.2         | 91        | 10           |
| 06/05/24 07:05 | 1           | 15                       | 16                       | 1                        | 11.6       | 97        | 1.2         | 92        | 12           |
| 06/05/24 07:10 | 2           | 15                       | 17                       | 1                        | 11.6       | 97        | 1.6         | 110       | 8            |
| 06/05/24 07:15 | 2           | 15                       | 17                       | 1                        | 11.6       | 97        | 1.6         | 98        | 9            |
| 06/05/24 07:20 | 3           | 15                       | 18                       | 1                        | 11.5       | 97        | 1.7         | 110       | 14           |
| 06/05/24 07:25 | 3           | 15                       | 17                       | 1                        | 11.9       | 98        | 1.6         | 114       | 16           |
| 06/05/24 07:30 | 2           | 13                       | 15                       | 1                        | 12.0       | 98        | 2.0         | 114       | 10           |
| 06/05/24 07:35 | 2           | 11                       | 13                       | 1                        | 12.1       | 98        | 1.5         | 118       | 17           |
| 06/05/24 07:40 | 2           | 11                       | 13                       | 1                        | 12.3       | 98        | 1.3         | 121       | 21           |
| 06/05/24 07:45 | 3           | 12                       | 15                       | 1                        | 12.5       | 97        | 1.9         | 133       | 16           |
| 06/05/24 07:50 | 4           | 12                       | 17                       | 1                        | 12.8       | 96        | 2.4         | 138       | 13           |
| 06/05/24 07:55 | 3           | 11                       | 15                       | 1                        | 13.1       | 95        | 2.3         | 135       | 16           |
| 06/05/24 08:00 | 3           | 11                       | 14                       | 1                        | 13.3       | 94        | 2.4         | 136       | 14           |
| 06/05/24 08:05 | 3           | 10                       | 13                       | 1                        | 13.5       | 92        | 2.8         | 139       | 14           |
| 06/05/24 08:10 | 3           | 10                       | 13                       | 1                        | 13.7       | 91        | 3.1         | 140       | 12           |
| 06/05/24 08:15 | 3           | 9                        | 13                       | 1                        | 13.8       | 90        | 2.4         | 134       | 15           |
| 06/05/24 08:20 | 3           | 9                        | 13                       | 1                        | 14.1       | 89        | 2.4         | 134       | 19           |
| 06/05/24 08:25 | 4           | 9                        | 13                       | 1                        | 14.1       | 88        | 1.7         | 124       | 22           |
| 06/05/24 08:30 | 5           | 10                       | 15                       | 1                        | 14.5       | 86        | 1.7         | 118       | 21           |
| 06/05/24 08:35 | 5           | 10                       | 14                       | 1                        | 14.6       | 84        | 2.1         | 130       | 17           |
| 06/05/24 08:40 | 5           | 10                       | 14                       | 1                        | 14.5       | 84        | 2.4         | 132       | 16           |
| 06/05/24 08:45 | 5           | 9                        | 15                       | 1                        | 14.5       | 85        | 2.9         | 138       | 13           |
| 06/05/24 08:50 | 6           | 9                        | 15                       | 1                        | 14.5       | 85        | 2.9         | 136       | 18           |
| 06/05/24 08:55 | 6           | 9                        | 15                       | 1                        | 14.5       | 85        | 2.7         | 137       | 16           |
| 06/05/24 09:00 | 7           | 11                       | 17                       | 1                        | 14.8       | 84        | 2.2         | 123       | 19           |
| 06/05/24 09:05 | 8           | 9                        | 17                       | 1                        | 14.9       | 83        | 2.7         | 130       | 19           |
| 06/05/24 09:10 | 7           | 8                        | 14                       | 1                        | 14.8       | 82        | 2.4         | 124       | 18           |
| 06/05/24 09:15 | 6           | 8                        | 14                       | 1                        | 14.6       | 84        | 2.0         | 119       | 16           |
| 06/05/24 09:20 | 8           | 12                       | 20                       | 1                        | 14.8       | 83        | 2.5         | 115       | 10           |
| 06/05/24 09:25 | 8           | 8                        | 16                       | 1                        | 15.2       | 82        | 1.9         | 132       | 25           |
| 06/05/24 09:30 | 7           | 8                        | 15                       | 1                        | 15.4       | 80        | 2.2         | 128       | 17           |
| 06/05/24 09:35 | 6           | 9                        | 15                       | 1                        | 15.0       | 81        | 2.5         | 136       | 13           |
| 06/05/24 09:40 | 5           | 9                        | 14                       | 1                        | 14.7       | 84        | 2.0         | 136       | 19           |
| 06/05/24 09:45 | 5           | 9                        | 14                       | 1                        | 14.5       | 84        | 2.1         | 129       | 17           |
| 06/05/24 09:50 | 9           | 11                       | 21                       | 1                        | 14.8       | 84        | 1.6         | 118       | 21           |
| 06/05/24 09:55 | 8           | 10                       | 18                       | 1                        | 15.0       | 81        | 1.7         | 122       | 16           |
| 06/05/24 10:00 | 7           | 9                        | 16                       | 1                        | 15.3       | 80        | 1.4         | 120       | 14           |
| 06/05/24 10:05 | 7           | 9                        | 16                       | 1                        | 15.8       | 78        | 0.9         | 121       | 27           |
| 06/05/24 10:10 | 8           | 10                       | 19                       | 1                        | 16.2       | 75        | 1.5         | 130       | 17           |
| 06/05/24 10:15 | 9           | 11                       | 20                       | 1                        | 16.2       | 75        | 1.6         | 131       | 16           |
| 06/05/24 10:20 | 9           | 10                       | 18                       | 1                        | 16.4       | 74        | 1.3         | 118       | 22           |
| 06/05/24 10:25 | 9           | 10                       | 19                       | 1                        | 16.5       | 73        | 2.1         | 133       | 13           |
| 06/05/24 10:30 | 9           | 11                       | 19                       | 1                        | 16.2       | 74        | 1.7         | 144       | 20           |
| 06/05/24 10:35 | 9           | 11                       | 20                       | 1                        | 16.3       | 74        | 1.3         | 154       | 28           |
| 06/05/24 10:40 | 11          | 13                       | 24                       | 1                        | 16.8       | 73        | 1.6         | 193       | 17           |
| 06/05/24 10:45 | 17          | 9                        | 26                       | 1                        | 16.5       | 74        | 1.1         | 182       | 31           |
| 06/05/24 10:50 | 9           | 11                       | 19                       | 1                        | 16.7       | 74        | 1.3         | 186       | 20           |
| 06/05/24 10:55 | 8           | 10                       | 18                       | 1                        | 17.0       | 74        | 1.0         | 154       | 38           |
| 06/05/24 11:00 | 11          | 7                        | 18                       | 1                        | 17.3       | 73        | 1.3         | 158       | 30           |
| 06/05/24 11:05 | 5           | 7                        | 12                       | 1                        | 17.0       | 73        | 2.0         | 134       | 22           |
| 06/05/24 11:10 | 5           | 8                        | 13                       | 1                        | 16.8       | 72        | 1.8         | 121       | 21           |
| 06/05/24 11:15 | 5           | 6                        | 11                       | 1                        | 16.9       | 71        | 1.9         | 125       | 17           |
| 06/05/24 11:20 | 4           | 7                        | 11                       | 1                        | 16.8       | 72        | 1.9         | 132       | 21           |
| 06/05/24 11:25 | 4           | 7                        | 11                       | 1                        | 17.2       | 71        | 2.0         | 127       | 25           |
| 06/05/24 11:30 | 4           | 7                        | 10                       | 1                        | 17.0       | 70        | 3.4         | 142       | 13           |
| 06/05/24 11:35 | 4           | 7                        | 10                       | 1                        | 16.9       | 73        | 2.5         | 153       | 21           |
| 06/05/24 11:40 | 4           | 7                        | 12                       | 1                        | 17.0       | 73        | 1.9         | 157       | 28           |
| 06/05/24 11:45 | 5           | 7                        | 12                       | 1                        | 17.3       | 74        | 1.7         | 166       | 28           |
| 06/05/24 11:50 | 6           | 8                        | 14                       | 1                        | 17.6       | 74        | 1.6         | 171       | 29           |
| 06/05/24 11:55 | 9           | 11                       | 20                       | 1                        | 17.8       | 73        | 2.0         | 168       | 22           |
| 06/05/24 12:00 | 8           | 6                        | 15                       | 1                        | 17.9       | 72        | 2.2         | 172       | 19           |
| 06/05/24 12:05 | 2           | 4                        | 6                        | 1                        | 17.9       | 69        | 3.2         | 142       | 24           |
| 06/05/24 12:10 | 2           | 4                        | 6                        | 1                        | 17.5       | 67        | 3.7         | 131       | 14           |
| 06/05/24 12:15 | 2           | 5                        | 7                        | 1                        | 17.5       | 68        | 3.0         | 120       | 16           |
| 06/05/24 12:20 | 2           | 5                        | 8                        | 1                        | 17.7       | 67        | 4.1         | 133       | 16           |
| 06/05/24 12:25 | 3           | 5                        | 8                        | 1                        | 17.5       | 68        | 3.5         | 123       | 19           |
| 06/05/24 12:30 | 3           | 5                        | 8                        | 1                        | 17.6       | 68        | 6.1         | 115       | 7            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 06/05/24 12:35 | 3           | 5                        | 8                        | 1                        | 17.5       | 69        | 5.8         | 112       | 5            |
| 06/05/24 12:40 | 3           | 6                        | 9                        | 1                        | 17.7       | 69        | 3.1         | 118       | 16           |
| 06/05/24 12:45 | 4           | 9                        | 13                       | 1                        | 18.0       | 67        | 2.7         | 123       | 23           |
| 06/05/24 12:50 | 4           | 9                        | 13                       | 1                        | 18.1       | 66        | 2.1         | 119       | 19           |
| 06/05/24 12:55 | 4           | 5                        | 9                        | 1                        | 18.2       | 66        | 2.6         | 130       | 21           |
| 06/05/24 13:00 | 7           | 7                        | 13                       | 1                        | 18.4       | 67        | 1.9         | 122       | 18           |
| 06/05/24 13:05 | 4           | 10                       | 14                       | 1                        | 18.9       | 66        | 2.1         | 176       | 22           |
| 06/05/24 13:10 | 6           | 9                        | 15                       | 1                        | 18.7       | 68        | 2.2         | 189       | 13           |
| 06/05/24 13:15 | 7           | 10                       | 17                       | 1                        | 18.7       | 68        | 1.6         | 165       | 25           |
| 06/05/24 13:20 | 4           | 7                        | 11                       | 1                        | 19.0       | 64        | 3.3         | 131       | 16           |
| 06/05/24 13:25 | 2           | 5                        | 7                        | 1                        | 18.8       | 67        | 2.1         | 160       | 28           |
| 06/05/24 13:30 | 21          | 25                       | 46                       | 2                        | 18.7       | 69        | 2.6         | 183       | 15           |
| 06/05/24 13:35 | 23          | 15                       | 39                       | 2                        | 18.7       | 69        | 3.1         | 187       | 14           |
| 06/05/24 13:40 | 4           | 6                        | 9                        | 2                        | 18.5       | 69        | 3.3         | 192       | 13           |
| 06/05/24 13:45 | 8           | 10                       | 18                       | 2                        | 18.4       | 70        | 2.8         | 188       | 16           |
| 06/05/24 13:50 | 15          | 17                       | 32                       | 1                        | 18.8       | 69        | 2.9         | 186       | 14           |
| 06/05/24 13:55 | 5           | 6                        | 11                       | 2                        | 18.8       | 69        | 3.1         | 190       | 11           |
| 06/05/24 14:00 | 3           | 5                        | 8                        | 2                        | 18.7       | 69        | 3.5         | 198       | 7            |
| 06/05/24 14:05 | 2           | 4                        | 6                        | 1                        | 18.3       | 73        | 4.4         | 200       | 7            |
| 06/05/24 14:10 | 2           | 3                        | 5                        | 1                        | 18.1       | 73        | 3.5         | 189       | 12           |
| 06/05/24 14:15 | 2           | 3                        | 5                        | 1                        | 18.5       | 71        | 3.8         | 190       | 10           |
| 06/05/24 14:20 | 2           | 4                        | 6                        | 1                        | 18.7       | 70        | 3.3         | 193       | 12           |
| 06/05/24 14:25 | 2           | 5                        | 7                        | 1                        | 18.7       | 71        | 2.9         | 191       | 12           |
| 06/05/24 14:30 | 4           | 7                        | 11                       | 1                        | 18.7       | 70        | 3.2         | 193       | 11           |
| 06/05/24 14:35 | 3           | 4                        | 7                        | 1                        | 18.7       | 70        | 3.6         | 195       | 9            |
| 06/05/24 14:40 | 2           | 4                        | 6                        | 1                        | 18.5       | 71        | 3.7         | 198       | 10           |
| 06/05/24 14:45 | 2           | 4                        | 5                        | 1                        | 18.3       | 73        | 4.4         | 200       | 7            |
| 06/05/24 14:50 | 5           | 9                        | 13                       | 2                        | 18.1       | 75        | 4.2         | 201       | 5            |
| 06/05/24 14:55 | 5           | 2                        | 6                        | 2                        | 17.9       | 75        | 4.9         | 203       | 4            |
| 06/05/24 15:00 | 2           | 3                        | 4                        | 2                        | 17.8       | 78        | 5.2         | 204       | 3            |
| 06/05/24 15:05 | 1           | 3                        | 4                        | 2                        | 17.7       | 78        | 5.0         | 206       | 3            |
| 06/05/24 15:10 | 1           | 3                        | 4                        | 2                        | 17.6       | 79        | 4.3         | 206       | 3            |
| 06/05/24 15:15 | 1           | 3                        | 4                        | 2                        | 17.9       | 78        | 4.1         | 198       | 6            |
| 06/05/24 15:20 | 1           | 3                        | 4                        | 2                        | 18.4       | 73        | 3.0         | 193       | 11           |
| 06/05/24 15:25 | 1           | 4                        | 5                        | 2                        | 18.8       | 71        | 2.5         | 184       | 23           |
| 06/05/24 15:30 | 2           | 4                        | 5                        | 2                        | 18.5       | 73        | 5.1         | 203       | 4            |
| 06/05/24 15:35 | 1           | 3                        | 4                        | 2                        | 18.1       | 76        | 4.8         | 200       | 4            |
| 06/05/24 15:40 | 2           | 3                        | 5                        | 2                        | 18.2       | 75        | 2.2         | 189       | 13           |
| 06/05/24 15:45 | 3           | 11                       | 15                       | 2                        | 19.0       | 70        | 1.7         | 154       | 26           |
| 06/05/24 15:50 | 3           | 5                        | 8                        | 2                        | 19.6       | 60        | 1.3         | 172       | 36           |
| 06/05/24 15:55 | 2           | 4                        | 6                        | 2                        | 19.9       | 60        | 2.5         | 178       | 21           |
| 06/05/24 16:00 | 2           | 5                        | 7                        | 2                        | 19.9       | 65        | 2.5         | 190       | 13           |
| 06/05/24 16:05 | 3           | 7                        | 10                       | 2                        | 19.4       | 68        | 2.8         | 194       | 11           |
| 06/05/24 16:10 | 2           | 7                        | 10                       | 2                        | 19.1       | 71        | 3.2         | 195       | 11           |
| 06/05/24 16:15 | 3           | 8                        | 11                       | 2                        | 18.9       | 70        | 3.4         | 193       | 11           |
| 06/05/24 16:20 | 3           | 11                       | 14                       | 2                        | 18.8       | 71        | 3.4         | 191       | 13           |
| 06/05/24 16:25 | 4           | 16                       | 20                       | 2                        | 18.8       | 72        | 2.9         | 185       | 15           |
| 06/05/24 16:30 | 5           | 17                       | 22                       | 2                        | 18.8       | 70        | 2.8         | 178       | 17           |
| 06/05/24 16:35 | 6           | 12                       | 17                       | 2                        | 19.0       | 67        | 1.5         | 173       | 34           |
| 06/05/24 16:40 | 4           | 3                        | 7                        | 2                        | 19.1       | 62        | 2.8         | 152       | 25           |
| 06/05/24 16:45 | 2           | 3                        | 6                        | 3                        | 19.2       | 60        | 3.3         | 155       | 23           |
| 06/05/24 16:50 | 2           | 4                        | 5                        | 2                        | 19.0       | 63        | 1.9         | 171       | 33           |
| 06/05/24 16:55 | 1           | 3                        | 4                        | 2                        | 18.9       | 70        | 2.7         | 180       | 15           |
| 06/05/24 17:00 | 1           | 3                        | 4                        | 2                        | 18.5       | 73        | 2.5         | 181       | 18           |
| 06/05/24 17:05 | 1           | 3                        | 4                        | 2                        | 18.2       | 73        | 3.0         | 180       | 16           |
| 06/05/24 17:10 | 0           | 3                        | 3                        | 2                        | 18.1       | 73        | 3.1         | 173       | 19           |
| 06/05/24 17:15 | 0           | 3                        | 3                        | 2                        | 17.9       | 75        | 2.7         | 177       | 17           |
| 06/05/24 17:20 | 0           | 3                        | 3                        | 2                        | 17.9       | 74        | 2.1         | 167       | 29           |
| 06/05/24 17:25 | 0           | 3                        | 3                        | 2                        | 17.8       | 70        | 2.3         | 154       | 26           |
| 06/05/24 17:30 | 0           | 3                        | 3                        | 2                        | 18.0       | 64        | 3.8         | 143       | 13           |
| 06/05/24 17:35 | 0           | 3                        | 3                        | 2                        | 18.1       | 64        | 3.8         | 146       | 14           |
| 06/05/24 17:40 | 0           | 3                        | 3                        | 2                        | 18.1       | 66        | 1.9         | 155       | 31           |
| 06/05/24 17:45 | 0           | 4                        | 3                        | 2                        | 17.9       | 68        | 1.4         | 160       | 32           |
| 06/05/24 17:50 | 0           | 4                        | 4                        | 2                        | 17.8       | 70        | 1.1         | 179       | 40           |
| 06/05/24 17:55 | 0           | 4                        | 4                        | 2                        | 17.7       | 70        | 1.4         | 168       | 34           |
| 06/05/24 18:00 | 0           | 4                        | 4                        | 2                        | 17.6       | 70        | 1.3         | 172       | 41           |
| 06/05/24 18:05 | 0           | 4                        | 4                        | 2                        | 17.6       | 70        | 1.5         | 171       | 37           |
| 06/05/24 18:10 | 0           | 4                        | 4                        | 2                        | 17.6       | 70        | 1.4         | 170       | 34           |
| 06/05/24 18:15 | 0           | 4                        | 4                        | 2                        | 17.6       | 69        | 1.1         | 160       | 42           |
| 06/05/24 18:20 | 0           | 4                        | 4                        | 2                        | 17.6       | 69        | 1.4         | 165       | 33           |
| 06/05/24 18:25 | 0           | 4                        | 4                        | 2                        | 17.4       | 72        | 1.1         | 174       | 37           |
| 06/05/24 18:30 | 0           | 4                        | 4                        | 2                        | 17.3       | 71        | 1.4         | 165       | 32           |
| 06/05/24 18:35 | 0           | 4                        | 4                        | 1                        | 17.4       | 77        | 2.5         | 187       | 15           |
| 06/05/24 18:40 | 0           | 4                        | 4                        | 1                        | 17.2       | 84        | 2.9         | 187       | 12           |
| 06/05/24 18:45 | 0           | 3                        | 3                        | 1                        | 16.9       | 86        | 2.6         | 183       | 15           |
| 06/05/24 18:50 | 0           | 3                        | 3                        | 1                        | 16.8       | 87        | 2.4         | 178       | 21           |
| 06/05/24 18:55 | 0           | 3                        | 3                        | 1                        | 16.7       | 88        | 2.4         | 173       | 19           |
| 06/05/24 19:00 | 0           | 2                        | 2                        | 1                        | 16.7       | 88        | 2.3         | 182       | 17           |
| 06/05/24 19:05 | 0           | 2                        | 2                        | 1                        | 16.6       | 88        | 2.5         | 182       | 15           |
| 06/05/24 19:10 | 0           | 2                        | 2                        | 1                        | 16.6       | 87        | 3.1         | 189       | 11           |
| 06/05/24 19:15 | 0           | 2                        | 2                        | 1                        | 16.7       | 87        | 3.2         | 193       | 11           |
| 06/05/24 19:20 | 0           | 3                        | 3                        | 1                        | 16.7       | 87        | 3.2         | 192       | 8            |
| 06/05/24 19:25 | 0           | 4                        | 4                        | 1                        | 16.6       | 87        | 3.0         | 192       | 11           |
| 06/05/24 19:30 | 0           | 4                        | 4                        | 1                        | 16.6       | 87        | 3.0         | 192       | 10           |
| 06/05/24 19:35 | 0           | 4                        | 4                        | 1                        | 16.6       | 86        | 3.1         | 191       | 11           |
| 06/05/24 19:40 | 0           | 4                        | 4                        | 1                        | 16.6       | 85        | 2.4         | 185       | 13           |
| 06/05/24 19:45 | 0           | 4                        | 3                        | 1                        | 16.6       | 84        | 2.7         | 179       | 15           |
| 06/05/24 19:50 | 0           | 4                        | 4                        | 1                        | 16.6       | 84        | 3.0         | 169       | 20           |
| 06/05/24 19:55 | 0           | 4                        | 4                        | 1                        | 16.6       | 80        | 2.3         | 160       | 28           |
| 06/05/24 20:00 | 0           | 5                        | 5                        | 1                        | 16.6       | 77        | 3.9         | 143       | 16           |
| 06/05/24 20:05 | 0           | 5                        | 5                        | 1                        | 16.6       | 75        | 4.4         | 143       | 14           |
| 06/05/24 20:10 | 0           | 6                        | 6                        | 1                        | 16.6       | 76        | 4.5         | 143       | 14           |
| 06/05/24 20:15 | 0           | 6                        | 6                        | 1                        | 16.5       | 76        | 3.6         | 150       | 21           |
| 06/05/24 20:20 | 0           | 6                        | 6                        | 1                        | 16.4       | 76        | 3.7         | 146       | 20           |
| 06/05/24 20:25 | 0           | 6                        | 6                        | 1                        | 16.4       | 77        | 3.7         | 149       | 21           |
| 06/05/24 20:30 | 0           | 6                        | 6                        | 1                        | 16.3       | 77        | 3.7         | 148       | 21           |
| 06/05/24 20:35 | 0           | 6                        | 6                        | 1                        | 16.2       | 77        | 4.3         | 143       | 14           |
| 06/05/24 20:40 | 0           | 6                        | 6                        | 1                        | 16.2       | 78        | 4.2         | 146       | 17           |
| 06/05/24 20:45 | 0           | 6                        | 6                        | 1                        | 16.1       | 78        | 4.5         | 141       | 13           |
| 06/05/24 20:50 | 0           | 5                        | 6                        | 1                        | 16.0       | 79        | 4.8         | 137       | 10           |
| 06/05/24 20:55 | 0           | 5                        | 6                        | 2                        | 15.9       | 79        | 4.0         | 133       | 15           |
| 06/05/24 21:00 | 0           | 6                        | 6                        | 1                        | 15.9       | 78        | 3.6         | 130       | 15           |
| 06/05/24 21:05 | 0           | 6                        | 6                        | 1                        | 15.7       | 79        | 3.5         | 128       | 18           |
| 06/05/24 21:10 | 0           | 6                        | 6                        | 1                        | 15.7       | 79        | 3.2         | 128       | 16           |
| 06/05/24 21:15 | 0           | 6                        | 6                        | 1                        | 15.6       | 79        | 2.5         | 126       | 21           |
| 06/05/24 21:20 | 0           | 6                        | 6                        | 2                        | 15.5       | 80        | 2.6         | 124       | 17           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 06/05/24 21:25 | 0           | 6                        | 6                        | 2                        | 15.5       | 80        | 2.6         | 128       | 18           |
| 06/05/24 21:30 | 0           | 6                        | 6                        | 2                        | 15.4       | 80        | 2.6         | 125       | 21           |
| 06/05/24 21:35 | 0           | 6                        | 6                        | 1                        | 15.3       | 80        | 2.4         | 123       | 23           |
| 06/05/24 21:40 | 0           | 6                        | 6                        | 1                        | 15.2       | 80        | 2.0         | 121       | 20           |
| 06/05/24 21:45 | 0           | 6                        | 6                        | 1                        | 15.1       | 81        | 2.0         | 124       | 22           |
| 06/05/24 21:50 | 0           | 6                        | 7                        | 1                        | 15.1       | 82        | 2.4         | 121       | 17           |
| 06/05/24 21:55 | 0           | 6                        | 7                        | 2                        | 15.0       | 81        | 2.1         | 120       | 19           |
| 06/05/24 22:00 | 0           | 7                        | 7                        | 2                        | 14.8       | 82        | 1.6         | 118       | 27           |
| 06/05/24 22:05 | 0           | 7                        | 7                        | 2                        | 14.8       | 82        | 1.7         | 118       | 20           |
| 06/05/24 22:10 | 0           | 7                        | 7                        | 1                        | 14.7       | 82        | 2.1         | 111       | 17           |
| 06/05/24 22:15 | 0           | 7                        | 8                        | 1                        | 14.6       | 82        | 1.6         | 103       | 15           |
| 06/05/24 22:20 | 0           | 8                        | 8                        | 1                        | 14.4       | 82        | 1.7         | 105       | 15           |
| 06/05/24 22:25 | 0           | 8                        | 8                        | 1                        | 14.3       | 83        | 1.7         | 112       | 14           |
| 06/05/24 22:30 | 0           | 8                        | 8                        | 1                        | 14.3       | 82        | 1.4         | 94        | 13           |
| 06/05/24 22:35 | 0           | 9                        | 9                        | 1                        | 14.2       | 82        | 1.5         | 95        | 13           |
| 06/05/24 22:40 | 0           | 9                        | 9                        | 2                        | 14.0       | 82        | 1.5         | 93        | 10           |
| 06/05/24 22:45 | 0           | 9                        | 10                       | 2                        | 13.9       | 83        | 1.9         | 101       | 10           |
| 06/05/24 22:50 | 0           | 10                       | 10                       | 2                        | 13.8       | 84        | 1.9         | 119       | 12           |
| 06/05/24 22:55 | 0           | 10                       | 10                       | 2                        | 14.0       | 84        | 1.6         | 121       | 12           |
| 06/05/24 23:00 | 0           | 10                       | 10                       | 2                        | 14.0       | 84        | 1.9         | 109       | 11           |
| 06/05/24 23:05 | 0           | 10                       | 10                       | 2                        | 13.9       | 84        | 1.8         | 105       | 8            |
| 06/05/24 23:10 | 0           | 10                       | 11                       | 2                        | 13.8       | 84        | 1.8         | 105       | 11           |
| 06/05/24 23:15 | 0           | 10                       | 10                       | 2                        | 13.7       | 84        | 1.9         | 101       | 9            |
| 06/05/24 23:20 | 0           | 10                       | 10                       | 2                        | 13.6       | 85        | 2.0         | 104       | 9            |
| 06/05/24 23:25 | 0           | 10                       | 10                       | 1                        | 13.5       | 85        | 1.8         | 111       | 7            |
| 06/05/24 23:30 | 0           | 10                       | 10                       | 1                        | 13.5       | 86        | 1.7         | 111       | 6            |
| 06/05/24 23:35 | 0           | 10                       | 10                       | 1                        | 13.4       | 85        | 1.2         | 96        | 8            |
| 06/05/24 23:40 | 0           | 10                       | 10                       | 2                        | 13.1       | 86        | 0.9         | 87        | 6            |
| 06/05/24 23:45 | 0           | 10                       | 10                       | 1                        | 13.0       | 87        | 1.1         | 99        | 7            |
| 06/05/24 23:50 | 0           | 10                       | 10                       |                          | 12.9       | 88        | 0.9         | 109       | 7            |
| 06/05/24 23:55 | 0           | 11                       | 11                       |                          | 12.9       | 88        | 1.1         | 116       | 11           |
| 07/05/24 00:00 | 0           | 11                       | 11                       | 1                        | 13.0       | 89        | 1.2         | 115       | 8            |
| 07/05/24 00:05 | 0           | 11                       | 11                       | 1                        | 13.0       | 88        | 1.1         | 101       | 10           |
| 07/05/24 00:10 | 0           | 11                       | 12                       | 1                        | 12.7       | 88        | 1.4         | 97        | 5            |
| 07/05/24 00:15 | 0           | 11                       | 12                       | 1                        | 12.7       | 88        | 1.5         | 99        | 5            |
| 07/05/24 00:20 | 0           | 12                       | 12                       | 1                        | 12.6       | 89        | 1.5         | 96        | 4            |
| 07/05/24 00:25 | 0           | 12                       | 12                       | 1                        | 12.6       | 88        | 1.2         | 94        | 3            |
| 07/05/24 00:30 | 0           | 12                       | 12                       | 1                        | 12.5       | 89        | 1.0         | 91        | 5            |
| 07/05/24 00:35 | 0           | 13                       | 13                       | 1                        | 12.4       | 89        | 1.3         | 97        | 5            |
| 07/05/24 00:40 | 0           | 13                       | 13                       | 1                        | 12.5       | 90        | 1.7         | 100       | 4            |
| 07/05/24 00:45 | 0           | 14                       | 14                       | 1                        | 12.6       | 89        | 1.4         | 98        | 5            |
| 07/05/24 00:50 | 0           | 14                       | 15                       | 1                        | 12.3       | 89        | 0.9         | 38        | 29           |
| 07/05/24 00:55 | 1           | 15                       | 16                       | 1                        | 12.1       | 89        | 1.6         | 16        | 15           |
| 07/05/24 01:00 | 7           | 18                       | 24                       | 1                        | 12.0       | 90        | 1.1         | 9         | 20           |
| 07/05/24 01:05 |             |                          |                          |                          | 12.0       | 91        | 1.0         | 349       | 15           |
| 07/05/24 01:10 |             |                          |                          |                          | 12.0       | 91        | 0.9         | 7         | 23           |
| 07/05/24 01:15 |             |                          |                          |                          | 11.8       | 90        | 0.5         | 26        | 19           |
| 07/05/24 01:20 |             |                          |                          |                          | 11.6       | 91        | 0.7         | 39        | 17           |
| 07/05/24 01:25 |             |                          |                          |                          | 11.5       | 92        | 0.9         | 15        | 18           |
| 07/05/24 01:30 |             |                          |                          |                          | 11.5       | 92        | 1.0         | 26        | 14           |
| 07/05/24 01:35 |             |                          |                          |                          | 11.3       | 92        | 0.8         | 22        | 10           |
| 07/05/24 01:40 |             |                          |                          |                          | 11.3       | 93        | 0.7         | 34        | 15           |
| 07/05/24 01:45 |             |                          |                          |                          | 11.2       | 93        | 0.9         | 36        | 10           |
| 07/05/24 01:50 |             |                          |                          |                          | 11.1       | 93        | 1.2         | 7         | 11           |
| 07/05/24 01:55 |             |                          |                          |                          | 11.1       | 94        | 1.2         | 20        | 10           |
| 07/05/24 02:00 |             |                          |                          |                          | 11.0       | 94        | 1.4         | 6         | 8            |
| 07/05/24 02:05 | 31          | 19                       | 50                       | 1                        | 11.1       | 94        | 1.2         | 358       | 11           |
| 07/05/24 02:10 | 30          | 18                       | 48                       | 1                        | 11.1       | 94        | 1.1         | 354       | 22           |
| 07/05/24 02:15 | 29          | 18                       | 46                       | 1                        | 11.2       | 94        | 1.0         | 352       | 20           |
| 07/05/24 02:20 | 27          | 17                       | 44                       | 1                        | 11.2       | 94        | 1.0         | 7         | 14           |
| 07/05/24 02:25 | 26          | 16                       | 42                       | 1                        | 11.0       | 93        | 1.1         | 16        | 12           |
| 07/05/24 02:30 | 26          | 16                       | 42                       | 1                        | 10.8       | 94        | 1.2         | 49        | 6            |
| 07/05/24 02:35 | 25          | 16                       | 41                       | 1                        | 10.6       | 94        | 1.5         | 47        | 4            |
| 07/05/24 02:40 | 25          | 16                       | 41                       | 1                        | 10.7       | 94        | 1.4         | 32        | 9            |
| 07/05/24 02:45 | 26          | 17                       | 43                       | 1                        | 10.6       | 94        | 1.2         | 31        | 9            |
| 07/05/24 02:50 | 26          | 17                       | 43                       | 1                        | 10.5       | 94        | 1.0         | 26        | 11           |
| 07/05/24 02:55 | 26          | 17                       | 43                       | 1                        | 10.3       | 94        | 1.0         | 12        | 16           |
| 07/05/24 03:00 | 25          | 17                       | 42                       | 1                        | 10.5       | 95        | 1.5         | 0         | 17           |
| 07/05/24 03:05 | 22          | 16                       | 37                       | 1                        | 10.6       | 95        | 1.7         | 2         | 19           |
| 07/05/24 03:10 | 12          | 15                       | 28                       | 1                        | 10.8       | 95        | 1.5         | 0         | 16           |
| 07/05/24 03:15 | 10          | 16                       | 26                       | 1                        | 10.9       | 95        | 1.4         | 7         | 14           |
| 07/05/24 03:20 | 9           | 16                       | 25                       | 1                        | 10.8       | 95        | 0.9         | 25        | 12           |
| 07/05/24 03:25 | 9           | 16                       | 25                       | 1                        | 10.8       | 95        | 0.6         | 36        | 21           |
| 07/05/24 03:30 | 9           | 16                       | 26                       | 1                        | 10.7       | 95        | 0.7         | 31        | 11           |
| 07/05/24 03:35 | 10          | 16                       | 26                       | 1                        | 10.5       | 95        | 0.8         | 37        | 11           |
| 07/05/24 03:40 | 12          | 16                       | 28                       | 1                        | 10.4       | 95        | 0.9         | 34        | 10           |
| 07/05/24 03:45 | 14          | 15                       | 29                       | 1                        | 10.4       | 95        | 0.9         | 32        | 9            |
| 07/05/24 03:50 | 15          | 15                       | 30                       | 1                        | 10.3       | 95        | 0.7         | 9         | 18           |
| 07/05/24 03:55 | 16          | 15                       | 31                       | 1                        | 10.3       | 96        | 0.3         | 69        | 36           |
| 07/05/24 04:00 | 16          | 15                       | 31                       | 1                        | 10.4       | 96        | 0.8         | 32        | 9            |
| 07/05/24 04:05 | 16          | 15                       | 32                       | 1                        | 10.2       | 95        | 1.0         | 17        | 9            |
| 07/05/24 04:10 | 18          | 15                       | 33                       | 1                        | 10.3       | 95        | 1.0         | 36        | 9            |
| 07/05/24 04:15 | 18          | 15                       | 33                       | 1                        | 10.1       | 95        | 1.1         | 39        | 7            |
| 07/05/24 04:20 | 19          | 15                       | 33                       | 1                        | 10.0       | 95        | 1.0         | 20        | 16           |
| 07/05/24 04:25 | 19          | 14                       | 33                       | 1                        | 9.9        | 95        | 0.9         | 23        | 18           |
| 07/05/24 04:30 | 19          | 14                       | 34                       | 1                        | 9.9        | 95        | 1.1         | 16        | 10           |
| 07/05/24 04:35 | 19          | 15                       | 34                       | 1                        | 10.0       | 96        | 1.0         | 14        | 12           |
| 07/05/24 04:40 | 18          | 15                       | 33                       | 1                        | 10.1       | 97        | 1.3         | 356       | 10           |
| 07/05/24 04:45 | 16          | 15                       | 32                       | 1                        | 10.4       | 97        | 1.1         | 353       | 15           |
| 07/05/24 04:50 | 16          | 16                       | 31                       | 1                        | 10.9       | 97        | 1.2         | 344       | 19           |
| 07/05/24 04:55 | 17          | 16                       | 33                       | 1                        | 11.0       | 96        | 0.8         | 330       | 36           |
| 07/05/24 05:00 | 21          | 14                       | 35                       | 1                        | 11.3       | 96        | 1.0         | 338       | 34           |
| 07/05/24 05:05 | 23          | 15                       | 38                       | 1                        | 11.3       | 95        | 0.8         | 346       | 35           |
| 07/05/24 05:10 | 29          | 15                       | 43                       | 1                        | 11.3       | 95        | 1.0         | 348       | 34           |
| 07/05/24 05:15 | 33          | 17                       | 50                       | 1                        | 11.5       | 94        | 0.9         | 334       | 29           |
| 07/05/24 05:20 | 41          | 19                       | 60                       | 1                        | 11.6       | 94        | 0.9         | 341       | 33           |
| 07/05/24 05:25 | 43          | 19                       | 62                       | 2                        | 11.7       | 94        | 1.1         | 321       | 19           |
| 07/05/24 05:30 | 43          | 19                       | 62                       | 2                        | 11.8       | 94        | 0.5         | 338       | 44           |
| 07/05/24 05:35 | 45          | 19                       | 64                       | 1                        | 11.9       | 93        | 1.1         | 330       | 25           |
| 07/05/24 05:40 | 48          | 19                       | 67                       | 2                        | 11.9       | 93        | 1.2         | 323       | 24           |
| 07/05/24 05:45 | 39          | 24                       | 63                       | 2                        | 11.9       | 93        | 0.9         | 317       | 20           |
| 07/05/24 05:50 | 33          | 20                       | 53                       | 2                        | 11.9       | 93        | 0.7         | 328       | 33           |
| 07/05/24 05:55 | 35          | 19                       | 54                       | 1                        | 12.0       | 92        | 0.9         | 333       | 25           |
| 07/05/24 06:00 | 36          | 19                       | 55                       | 1                        | 11.9       | 92        | 0.6         | 327       | 37           |
| 07/05/24 06:05 | 38          | 25                       | 63                       | 2                        | 11.8       | 92        | 1.0         | 358       | 23           |
| 07/05/24 06:10 | 49          | 20                       | 69                       | 2                        | 11.8       | 93        | 0.8         | 7         | 22           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 07/05/24 06:15 | 58          | 17                       | 75                       | 2                        | 11.7       | 93        | 1.1         | 325       | 23           |
| 07/05/24 06:20 | 58          | 20                       | 77                       | 2                        | 11.8       | 93        | 1.3         | 320       | 22           |
| 07/05/24 06:25 | 55          | 21                       | 76                       | 2                        | 11.9       | 92        | 1.3         | 329       | 21           |
| 07/05/24 06:30 | 53          | 22                       | 75                       | 2                        | 12.0       | 92        | 1.3         | 321       | 20           |
| 07/05/24 06:35 | 47          | 23                       | 71                       | 2                        | 12.1       | 92        | 1.2         | 323       | 25           |
| 07/05/24 06:40 | 42          | 21                       | 63                       | 2                        | 12.1       | 91        | 1.1         | 317       | 20           |
| 07/05/24 06:45 | 41          | 21                       | 62                       | 2                        | 12.2       | 91        | 1.2         | 322       | 17           |
| 07/05/24 06:50 | 42          | 21                       | 63                       | 2                        | 12.3       | 91        | 1.2         | 335       | 20           |
| 07/05/24 06:55 | 43          | 21                       | 64                       | 2                        | 12.3       | 91        | 1.2         | 338       | 25           |
| 07/05/24 07:00 | 45          | 22                       | 67                       | 2                        | 12.3       | 91        | 1.3         | 337       | 23           |
| 07/05/24 07:05 | 52          | 23                       | 75                       | 2                        | 12.4       | 90        | 1.1         | 328       | 22           |
| 07/05/24 07:10 | 63          | 24                       | 87                       | 2                        | 12.3       | 90        | 1.2         | 327       | 16           |
| 07/05/24 07:15 | 68          | 23                       | 90                       | 2                        | 12.4       | 90        | 1.2         | 326       | 16           |
| 07/05/24 07:20 | 67          | 23                       | 90                       | 2                        | 12.4       | 90        | 1.0         | 348       | 21           |
| 07/05/24 07:25 | 62          | 25                       | 87                       | 2                        | 12.4       | 90        | 1.3         | 328       | 26           |
| 07/05/24 07:30 | 58          | 25                       | 83                       | 2                        | 12.5       | 90        | 0.8         | 327       | 27           |
| 07/05/24 07:35 | 58          | 24                       | 81                       | 2                        | 12.6       | 89        | 0.9         | 340       | 26           |
| 07/05/24 07:40 | 59          | 23                       | 82                       | 2                        | 12.6       | 89        | 1.0         | 4         | 18           |
| 07/05/24 07:45 | 63          | 23                       | 86                       | 2                        | 12.6       | 89        | 1.4         | 352       | 19           |
| 07/05/24 07:50 | 64          | 23                       | 87                       | 2                        | 12.6       | 88        | 0.9         | 325       | 27           |
| 07/05/24 07:55 | 61          | 23                       | 85                       | 2                        | 12.7       | 88        | 1.1         | 335       | 28           |
| 07/05/24 08:00 | 59          | 24                       | 83                       | 2                        | 12.7       | 88        | 1.1         | 332       | 24           |
| 07/05/24 08:05 | 60          | 24                       | 84                       | 2                        | 12.7       | 88        | 1.3         | 325       | 25           |
| 07/05/24 08:10 | 60          | 25                       | 84                       | 2                        | 12.7       | 87        | 1.5         | 337       | 23           |
| 07/05/24 08:15 | 60          | 24                       | 84                       | 2                        | 12.7       | 87        | 1.1         | 329       | 31           |
| 07/05/24 08:20 | 60          | 24                       | 84                       | 2                        | 12.7       | 87        | 1.4         | 330       | 18           |
| 07/05/24 08:25 | 61          | 24                       | 85                       | 2                        | 12.8       | 87        | 1.2         | 344       | 22           |
| 07/05/24 08:30 | 63          | 25                       | 88                       | 2                        | 12.7       | 86        | 1.0         | 355       | 27           |
| 07/05/24 08:35 | 73          | 27                       | 100                      | 2                        | 12.9       | 86        | 0.8         | 322       | 29           |
| 07/05/24 08:40 | 74          | 26                       | 100                      | 2                        | 12.9       | 86        | 1.1         | 325       | 28           |
| 07/05/24 08:45 | 68          | 27                       | 95                       | 2                        | 12.9       | 85        | 1.4         | 330       | 22           |
| 07/05/24 08:50 | 60          | 25                       | 85                       | 2                        | 12.9       | 85        | 1.3         | 340       | 23           |
| 07/05/24 08:55 | 57          | 23                       | 80                       | 2                        | 12.9       | 85        | 1.2         | 310       | 26           |
| 07/05/24 09:00 | 57          | 23                       | 79                       | 2                        | 13.0       | 85        | 1.6         | 321       | 14           |
| 07/05/24 09:05 | 58          | 25                       | 82                       | 2                        | 13.1       | 84        | 1.5         | 318       | 23           |
| 07/05/24 09:10 | 58          | 25                       | 83                       | 2                        | 13.1       | 84        | 1.5         | 337       | 20           |
| 07/05/24 09:15 | 58          | 24                       | 82                       | 2                        | 13.1       | 84        | 1.4         | 348       | 22           |
| 07/05/24 09:20 | 58          | 24                       | 83                       | 2                        | 13.2       | 83        | 1.5         | 341       | 18           |
| 07/05/24 09:25 | 58          | 24                       | 82                       | 2                        | 13.3       | 83        | 1.1         | 356       | 32           |
| 07/05/24 09:30 | 56          | 22                       | 79                       | 2                        | 13.8       | 80        | 1.1         | 324       | 23           |
| 07/05/24 09:35 | 53          | 18                       | 71                       | 2                        | 14.1       | 79        | 1.1         | 350       | 28           |
| 07/05/24 09:40 | 53          | 21                       | 74                       | 2                        | 14.5       | 78        | 0.8         | 296       | 28           |
| 07/05/24 09:45 | 53          | 23                       | 76                       | 2                        | 14.5       | 77        | 1.0         | 311       | 19           |
| 07/05/24 09:50 | 38          | 15                       | 54                       | 2                        | 14.5       | 77        | 0.9         | 310       | 33           |
| 07/05/24 09:55 | 30          | 20                       | 50                       | 2                        | 14.7       | 77        | 1.0         | 318       | 30           |
| 07/05/24 10:00 | 31          | 21                       | 52                       | 2                        | 14.8       | 76        | 0.7         | 343       | 46           |
| 07/05/24 10:05 | 32          | 20                       | 52                       | 2                        | 14.9       | 76        | 0.6         | 288       | 35           |
| 07/05/24 10:10 | 35          | 19                       | 54                       | 2                        | 15.2       | 75        | 0.7         | 313       | 52           |
| 07/05/24 10:15 | 39          | 19                       | 58                       | 2                        | 15.2       | 74        | 0.8         | 244       | 22           |
| 07/05/24 10:20 | 41          | 21                       | 62                       | 2                        | 15.2       | 75        | 1.1         | 272       | 28           |
| 07/05/24 10:25 | 39          | 20                       | 59                       | 2                        | 15.1       | 75        | 0.9         | 270       | 25           |
| 07/05/24 10:30 | 39          | 21                       | 59                       | 2                        | 15.0       | 76        | 1.2         | 233       | 10           |
| 07/05/24 10:35 | 38          | 21                       | 60                       | 2                        | 15.2       | 76        | 1.4         | 218       | 16           |
| 07/05/24 10:40 | 39          | 22                       | 61                       | 2                        | 15.3       | 76        | 1.8         | 205       | 5            |
| 07/05/24 10:45 | 40          | 22                       | 62                       | 2                        | 15.4       | 75        | 1.5         | 200       | 7            |
| 07/05/24 10:50 | 41          | 23                       | 64                       | 2                        | 15.4       | 75        | 2.1         | 203       | 8            |
| 07/05/24 10:55 | 41          | 23                       | 64                       | 2                        | 15.2       | 77        | 2.5         | 201       | 6            |
| 07/05/24 11:00 | 41          | 23                       | 63                       | 2                        | 15.4       | 78        | 2.1         | 199       | 9            |
| 07/05/24 11:05 | 36          | 20                       | 56                       | 2                        | 15.6       | 77        | 1.8         | 171       | 18           |
| 07/05/24 11:10 | 21          | 16                       | 37                       | 2                        | 16.0       | 75        | 1.6         | 175       | 21           |
| 07/05/24 11:15 | 16          | 14                       | 30                       | 2                        | 16.2       | 73        | 1.6         | 168       | 23           |
| 07/05/24 11:20 | 15          | 14                       | 29                       | 2                        | 16.5       | 72        | 1.8         | 177       | 20           |
| 07/05/24 11:25 | 11          | 10                       | 22                       | 2                        | 16.5       | 73        | 1.4         | 171       | 26           |
| 07/05/24 11:30 | 10          | 10                       | 20                       | 2                        | 16.4       | 73        | 1.9         | 188       | 16           |
| 07/05/24 11:35 | 8           | 8                        | 16                       | 2                        | 16.4       | 73        | 2.0         | 178       | 19           |
| 07/05/24 11:40 | 6           | 9                        | 14                       | 2                        | 16.4       | 73        | 1.6         | 175       | 22           |
| 07/05/24 11:45 | 7           | 12                       | 19                       | 2                        | 16.4       | 73        | 2.3         | 198       | 15           |
| 07/05/24 11:50 | 10          | 10                       | 20                       | 2                        | 16.1       | 75        | 2.0         | 193       | 14           |
| 07/05/24 11:55 | 5           | 7                        | 12                       | 2                        | 15.8       | 76        | 2.5         | 200       | 11           |
| 07/05/24 12:00 | 4           | 6                        | 10                       | 2                        | 15.8       | 77        | 2.6         | 196       | 12           |
| 07/05/24 12:05 | 5           | 4                        | 10                       | 2                        | 15.7       | 78        | 1.9         | 186       | 19           |
| 07/05/24 12:10 | 6           | 4                        | 10                       | 2                        | 15.8       | 76        | 2.6         | 198       | 13           |
| 07/05/24 12:15 | 2           | 4                        | 6                        | 2                        | 15.2       | 79        | 2.9         | 203       | 4            |
| 07/05/24 12:20 | 2           | 4                        | 6                        | 2                        | 15.3       | 79        | 2.2         | 194       | 15           |
| 07/05/24 12:25 | 2           | 4                        | 6                        | 2                        | 15.6       | 78        | 2.6         | 199       | 11           |
| 07/05/24 12:30 | 2           | 4                        | 6                        | 1                        | 15.3       | 79        | 3.0         | 203       | 4            |
| 07/05/24 12:35 | 2           | 4                        | 6                        | 1                        | 15.3       | 80        | 2.9         | 201       | 6            |
| 07/05/24 12:40 | 2           | 4                        | 5                        | 1                        | 15.2       | 79        | 3.1         | 204       | 4            |
| 07/05/24 12:45 | 2           | 4                        | 5                        | 1                        | 14.9       | 80        | 2.7         | 203       | 5            |
| 07/05/24 12:50 | 2           | 4                        | 5                        | 1                        | 15.0       | 80        | 2.6         | 205       | 5            |
| 07/05/24 12:55 | 2           | 4                        | 5                        | 1                        | 15.2       | 79        | 2.9         | 201       | 6            |
| 07/05/24 13:00 | 2           | 4                        | 5                        | 1                        | 15.0       | 79        | 3.1         | 203       | 4            |
| 07/05/24 13:05 | 2           | 4                        | 5                        | 1                        | 14.9       | 80        | 3.2         | 204       | 4            |
| 07/05/24 13:10 | 2           | 4                        | 5                        | 1                        | 14.8       | 80        | 3.1         | 203       | 5            |
| 07/05/24 13:15 | 2           | 4                        | 5                        | 1                        | 14.8       | 80        | 3.1         | 205       | 5            |
| 07/05/24 13:20 | 2           | 4                        | 6                        | 1                        | 14.9       | 81        | 3.5         | 204       | 5            |
| 07/05/24 13:25 | 2           | 4                        | 6                        | 1                        | 14.8       | 80        | 3.4         | 204       | 6            |
| 07/05/24 13:30 | 2           | 4                        | 6                        | 1                        | 14.8       | 81        | 3.2         | 207       | 5            |
| 07/05/24 13:35 | 2           | 4                        | 6                        | 1                        | 15.1       | 79        | 2.9         | 203       | 4            |
| 07/05/24 13:40 | 2           | 4                        | 6                        | 1                        | 15.1       | 79        | 3.1         | 203       | 4            |
| 07/05/24 13:45 | 2           | 5                        | 7                        | 1                        | 15.1       | 79        | 2.8         | 203       | 9            |
| 07/05/24 13:50 | 3           | 5                        | 7                        | 1                        | 15.7       | 77        | 1.8         | 185       | 22           |
| 07/05/24 13:55 | 3           | 5                        | 9                        | 1                        | 16.2       | 74        | 1.7         | 177       | 20           |
| 07/05/24 14:00 | 4           | 6                        | 10                       | 1                        | 16.5       | 73        | 1.9         | 190       | 22           |
| 07/05/24 14:05 | 4           | 7                        | 10                       | 1                        | 16.6       | 72        | 1.8         | 186       | 19           |
| 07/05/24 14:10 | 4           | 7                        | 10                       | 1                        | 16.3       | 73        | 2.9         | 203       | 5            |
| 07/05/24 14:15 | 3           | 6                        | 10                       | 1                        | 16.1       | 75        | 2.0         | 190       | 17           |
| 07/05/24 14:20 | 4           | 8                        | 12                       | 1                        | 16.4       | 74        | 2.1         | 188       | 18           |
| 07/05/24 14:25 | 4           | 8                        | 12                       | 1                        | 16.7       | 72        | 1.6         | 172       | 24           |
| 07/05/24 14:30 | 4           | 7                        | 11                       | 1                        | 16.8       | 73        | 2.7         | 201       | 8            |
| 07/05/24 14:35 | 3           | 6                        | 10                       | 1                        | 16.1       | 76        | 2.6         | 205       | 6            |
| 07/05/24 14:40 | 3           | 6                        | 9                        | 1                        | 15.7       | 77        | 3.2         | 201       | 3            |
| 07/05/24 14:45 | 3           | 6                        | 10                       | 1                        | 15.4       | 80        | 3.4         | 202       | 4            |
| 07/05/24 14:50 | 3           | 7                        | 10                       | 1                        | 15.3       | 80        | 3.2         | 202       | 7            |
| 07/05/24 14:55 | 3           | 7                        | 10                       | 1                        | 15.1       | 80        | 3.3         | 203       | 5            |
| 07/05/24 15:00 | 4           | 7                        | 10                       | 1                        | 15.1       | 79        | 3.3         | 204       | 4            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 07/05/24 15:05 | 4           | 7                        | 10                       | 1                        | 15.1       | 79        | 3.1         | 203       | 5            |
| 07/05/24 15:10 | 4           | 7                        | 11                       | 1                        | 15.0       | 79        | 3.3         | 207       | 3            |
| 07/05/24 15:15 | 4           | 7                        | 11                       | 1                        | 15.0       | 81        | 3.2         | 203       | 7            |
| 07/05/24 15:20 | 4           | 7                        | 11                       | 1                        | 15.4       | 80        | 2.8         | 199       | 9            |
| 07/05/24 15:25 | 4           | 7                        | 12                       | 1                        | 15.6       | 78        | 2.7         | 199       | 11           |
| 07/05/24 15:30 | 4           | 8                        | 12                       | 1                        | 15.9       | 77        | 2.1         | 190       | 15           |
| 07/05/24 15:35 | 5           | 11                       | 16                       | 1                        | 16.2       | 75        | 2.4         | 193       | 15           |
| 07/05/24 15:40 | 9           | 10                       | 19                       | 1                        | 16.5       | 72        | 1.8         | 183       | 16           |
| 07/05/24 15:45 | 4           | 7                        | 10                       | 1                        | 16.3       | 73        | 3.0         | 203       | 7            |
| 07/05/24 15:50 | 2           | 4                        | 6                        | 1                        | 15.4       | 76        | 3.4         | 203       | 3            |
| 07/05/24 15:55 | 2           | 4                        | 6                        | 1                        | 15.3       | 78        | 3.2         | 202       | 6            |
| 07/05/24 16:00 | 2           | 5                        | 6                        | 1                        | 15.2       | 77        | 3.2         | 204       | 4            |
| 07/05/24 16:05 | 1           | 4                        | 6                        | 1                        | 15.2       | 77        | 3.2         | 202       | 6            |
| 07/05/24 16:10 | 1           | 4                        | 5                        | 1                        | 15.2       | 77        | 3.0         | 204       | 5            |
| 07/05/24 16:15 | 1           | 4                        | 6                        | 1                        | 15.1       | 77        | 3.2         | 200       | 7            |
| 07/05/24 16:20 | 1           | 4                        | 6                        | 1                        | 15.2       | 77        | 3.4         | 203       | 5            |
| 07/05/24 16:25 | 1           | 4                        | 5                        | 1                        | 15.2       | 78        | 3.0         | 201       | 5            |
| 07/05/24 16:30 | 1           | 4                        | 5                        | 1                        | 15.0       | 78        | 2.6         | 201       | 5            |
| 07/05/24 16:35 | 1           | 4                        | 5                        | 1                        | 15.1       | 78        | 2.9         | 201       | 5            |
| 07/05/24 16:40 | 1           | 4                        | 5                        | 1                        | 15.0       | 78        | 2.8         | 203       | 8            |
| 07/05/24 16:45 | 1           | 4                        | 5                        | 1                        | 14.9       | 80        | 3.1         | 207       | 10           |
| 07/05/24 16:50 | 1           | 4                        | 5                        | 1                        | 14.9       | 79        | 2.6         | 202       | 6            |
| 07/05/24 16:55 | 1           | 4                        | 5                        | 1                        | 14.9       | 81        | 2.3         | 204       | 12           |
| 07/05/24 17:00 | 1           | 4                        | 5                        | 1                        | 14.8       | 79        | 2.5         | 201       | 5            |
| 07/05/24 17:05 | 1           | 5                        | 5                        | 1                        | 14.7       | 81        | 3.1         | 215       | 8            |
| 07/05/24 17:10 | 1           | 5                        | 5                        | 1                        | 14.6       | 81        | 2.3         | 207       | 11           |
| 07/05/24 17:15 | 0           | 5                        | 5                        | 1                        | 14.7       | 81        | 2.7         | 204       | 7            |
| 07/05/24 17:20 | 0           | 5                        | 5                        | 1                        | 14.6       | 81        | 2.2         | 199       | 6            |
| 07/05/24 17:25 | 0           | 5                        | 5                        | 1                        | 14.5       | 82        | 2.7         | 216       | 12           |
| 07/05/24 17:30 | 0           | 5                        | 6                        | 1                        | 14.6       | 83        | 3.0         | 220       | 5            |
| 07/05/24 17:35 | 0           | 6                        | 6                        | 1                        | 14.6       | 82        | 2.1         | 209       | 6            |
| 07/05/24 17:40 | 0           | 6                        | 7                        | 1                        | 14.5       | 82        | 2.6         | 208       | 9            |
| 07/05/24 17:45 | 0           | 7                        | 7                        | 1                        | 14.5       | 82        | 2.2         | 207       | 11           |
| 07/05/24 17:50 | 0           | 7                        | 7                        | 1                        | 14.5       | 82        | 2.2         | 207       | 8            |
| 07/05/24 17:55 | 0           | 7                        | 8                        | 1                        | 14.6       | 82        | 1.8         | 216       | 10           |
| 07/05/24 18:00 | 0           | 8                        | 8                        | 1                        | 14.6       | 83        | 1.6         | 228       | 13           |
| 07/05/24 18:05 | 0           | 8                        | 8                        | 1                        | 14.6       | 83        | 1.4         | 226       | 12           |
| 07/05/24 18:10 | 12          | 19                       | 31                       | 1                        | 14.6       | 83        | 1.4         | 224       | 9            |
| 07/05/24 18:15 | 5           | 9                        | 15                       | 1                        | 14.5       | 83        | 2.3         | 253       | 11           |
| 07/05/24 18:20 | 1           | 8                        | 9                        | 1                        | 14.6       | 83        | 2.2         | 236       | 6            |
| 07/05/24 18:25 | 0           | 9                        | 9                        | 1                        | 14.7       | 84        | 2.4         | 225       | 9            |
| 07/05/24 18:30 | 0           | 10                       | 10                       | 1                        | 14.8       | 84        | 2.3         | 206       | 7            |
| 07/05/24 18:35 | 0           | 10                       | 10                       | 1                        | 14.8       | 84        | 2.1         | 197       | 7            |
| 07/05/24 18:40 | 0           | 9                        | 9                        | 1                        | 14.9       | 84        | 1.9         | 202       | 6            |
| 07/05/24 18:45 | 0           | 9                        | 9                        | 1                        | 14.8       | 84        | 2.0         | 200       | 7            |
| 07/05/24 18:50 | 0           | 9                        | 10                       | 1                        | 14.8       | 84        | 1.9         | 200       | 6            |
| 07/05/24 18:55 | 0           | 9                        | 10                       | 1                        | 14.7       | 84        | 1.5         | 212       | 11           |
| 07/05/24 19:00 | 0           | 10                       | 10                       | 1                        | 14.7       | 84        | 1.1         | 222       | 10           |
| 07/05/24 19:05 | 0           | 10                       | 11                       | 1                        | 14.7       | 84        | 1.1         | 219       | 8            |
| 07/05/24 19:10 | 0           | 11                       | 11                       | 1                        | 14.7       | 85        | 0.8         | 218       | 12           |
| 07/05/24 19:15 | 0           | 12                       | 12                       | 1                        | 14.7       | 84        | 0.8         | 210       | 15           |
| 07/05/24 19:20 | 0           | 13                       | 14                       | 1                        | 14.4       | 84        | 0.3         | 240       | 68           |
| 07/05/24 19:25 | 3           | 29                       | 32                       | 1                        | 13.8       | 85        | 0.8         | 348       | 15           |
| 07/05/24 19:30 | 12          | 25                       | 38                       | 1                        | 13.7       | 86        | 0.9         | 344       | 9            |
| 07/05/24 19:35 | 31          | 26                       | 57                       | 1                        | 13.6       | 86        | 0.8         | 336       | 11           |
| 07/05/24 19:40 | 31          | 26                       | 57                       | 1                        | 13.6       | 87        | 1.0         | 320       | 13           |
| 07/05/24 19:45 | 29          | 26                       | 55                       | 1                        | 13.7       | 87        | 0.9         | 301       | 11           |
| 07/05/24 19:50 | 24          | 25                       | 50                       | 1                        | 13.9       | 87        | 1.2         | 285       | 16           |
| 07/05/24 19:55 | 12          | 23                       | 35                       | 1                        | 13.9       | 88        | 1.5         | 280       | 13           |
| 07/05/24 20:00 | 6           | 20                       | 26                       | 1                        | 14.1       | 88        | 1.4         | 281       | 15           |
| 07/05/24 20:05 | 4           | 20                       | 25                       | 1                        | 14.1       | 88        | 1.3         | 281       | 15           |
| 07/05/24 20:10 | 4           | 21                       | 25                       | 1                        | 14.0       | 88        | 1.8         | 273       | 16           |
| 07/05/24 20:15 | 4           | 21                       | 24                       | 1                        | 14.1       | 87        | 1.5         | 283       | 14           |
| 07/05/24 20:20 | 3           | 21                       | 24                       | 1                        | 13.9       | 87        | 1.3         | 280       | 19           |
| 07/05/24 20:25 | 3           | 21                       | 24                       | 1                        | 14.0       | 88        | 1.5         | 274       | 19           |
| 07/05/24 20:30 | 3           | 20                       | 23                       | 1                        | 13.9       | 87        | 1.8         | 280       | 17           |
| 07/05/24 20:35 | 3           | 20                       | 23                       | 1                        | 13.9       | 87        | 1.6         | 289       | 14           |
| 07/05/24 20:40 | 5           | 23                       | 27                       | 1                        | 13.8       | 87        | 1.6         | 291       | 11           |
| 07/05/24 20:45 | 8           | 27                       | 34                       | 1                        | 13.7       | 87        | 1.6         | 291       | 14           |
| 07/05/24 20:50 | 9           | 25                       | 34                       | 1                        | 13.7       | 87        | 1.8         | 290       | 12           |
| 07/05/24 20:55 | 9           | 25                       | 34                       | 1                        | 13.7       | 86        | 2.0         | 297       | 10           |
| 07/05/24 21:00 | 8           | 25                       | 33                       | 1                        | 13.6       | 86        | 1.8         | 294       | 11           |
| 07/05/24 21:05 | 8           | 25                       | 33                       | 0                        | 13.6       | 87        | 1.7         | 292       | 12           |
| 07/05/24 21:10 | 8           | 25                       | 33                       | 1                        | 13.6       | 86        | 2.0         | 297       | 10           |
| 07/05/24 21:15 | 8           | 25                       | 33                       | 1                        | 13.5       | 86        | 2.0         | 294       | 11           |
| 07/05/24 21:20 | 8           | 24                       | 32                       | 1                        | 13.5       | 86        | 1.9         | 294       | 12           |
| 07/05/24 21:25 | 7           | 24                       | 32                       | 1                        | 13.6       | 86        | 2.0         | 294       | 12           |
| 07/05/24 21:30 | 7           | 24                       | 31                       | 1                        | 13.6       | 86        | 2.2         | 303       | 9            |
| 07/05/24 21:35 | 8           | 24                       | 32                       | 1                        | 13.5       | 86        | 1.8         | 309       | 13           |
| 07/05/24 21:40 | 15          | 19                       | 34                       | 1                        | 13.4       | 86        | 1.5         | 316       | 16           |
| 07/05/24 21:45 | 27          | 22                       | 50                       | 1                        | 13.2       | 86        | 1.2         | 324       | 20           |
| 07/05/24 21:50 | 33          | 26                       | 59                       | 1                        | 13.2       | 87        | 1.3         | 319       | 19           |
| 07/05/24 21:55 | 32          | 26                       | 58                       | 1                        | 13.1       | 87        | 1.8         | 316       | 12           |
| 07/05/24 22:00 | 27          | 26                       | 54                       | 1                        | 13.3       | 86        | 2.1         | 310       | 11           |
| 07/05/24 22:05 | 26          | 26                       | 52                       | 1                        | 13.4       | 86        | 2.0         | 313       | 10           |
| 07/05/24 22:10 | 27          | 26                       | 52                       | 1                        | 13.2       | 86        | 1.5         | 310       | 13           |
| 07/05/24 22:15 | 27          | 26                       | 53                       | 1                        | 13.2       | 87        | 1.6         | 313       | 13           |
| 07/05/24 22:20 | 27          | 25                       | 53                       | 1                        | 13.1       | 87        | 1.6         | 315       | 13           |
| 07/05/24 22:25 | 27          | 25                       | 52                       | 1                        | 13.0       | 87        | 1.4         | 316       | 12           |
| 07/05/24 22:30 | 26          | 25                       | 51                       | 1                        | 13.0       | 87        | 1.8         | 317       | 12           |
| 07/05/24 22:35 | 24          | 25                       | 49                       | 1                        | 13.0       | 87        | 1.8         | 316       | 10           |
| 07/05/24 22:40 | 21          | 26                       | 47                       | 1                        | 12.9       | 87        | 1.4         | 319       | 13           |
| 07/05/24 22:45 | 19          | 26                       | 46                       | 1                        | 12.8       | 88        | 1.3         | 318       | 13           |
| 07/05/24 22:50 | 16          | 26                       | 42                       | 1                        | 12.9       | 88        | 1.8         | 311       | 10           |
| 07/05/24 22:55 | 14          | 25                       | 39                       | 1                        | 12.8       | 87        | 1.9         | 315       | 11           |
| 07/05/24 23:00 | 13          | 24                       | 37                       | 1                        | 12.9       | 88        | 1.1         | 322       | 16           |
| 07/05/24 23:05 | 13          | 24                       | 38                       | 1                        | 12.8       | 88        | 1.4         | 322       | 15           |
| 07/05/24 23:10 | 13          | 24                       | 38                       | 1                        | 12.8       | 88        | 1.5         | 315       | 12           |
| 07/05/24 23:15 | 13          | 24                       | 37                       | 1                        | 12.7       | 88        | 1.5         | 314       | 12           |
| 07/05/24 23:20 | 12          | 24                       | 36                       | 1                        | 12.7       | 87        | 1.0         | 333       | 20           |
| 07/05/24 23:25 | 11          | 24                       | 35                       | 1                        | 12.6       | 88        | 1.2         | 340       | 11           |
| 07/05/24 23:30 | 11          | 24                       | 35                       | 1                        | 12.6       | 88        | 1.5         | 330       | 13           |
| 07/05/24 23:35 | 11          | 24                       | 35                       | 1                        | 12.6       | 88        | 1.3         | 319       | 14           |
| 07/05/24 23:40 | 10          | 24                       | 34                       | 1                        | 12.7       | 87        | 1.7         | 314       | 13           |
| 07/05/24 23:45 | 9           | 24                       | 33                       | 1                        | 12.9       | 86        | 2.0         | 310       | 13           |
| 07/05/24 23:50 | 8           | 24                       | 32                       |                          | 13.0       | 86        | 1.7         | 307       | 12           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 07/05/24 23:55 | 8           | 24                       | 32                       |                          | 13.1       | 85        | 1.6         | 313       | 11           |
| 08/05/24 00:00 | 7           | 24                       | 31                       | 1                        | 13.0       | 84        | 1.9         | 310       | 8            |
| 08/05/24 00:05 | 7           | 24                       | 31                       | 1                        | 13.2       | 84        | 1.4         | 308       | 10           |
| 08/05/24 00:10 | 7           | 24                       | 31                       | 1                        | 13.2       | 84        | 1.0         | 301       | 14           |
| 08/05/24 00:15 | 7           | 24                       | 31                       | 1                        | 13.2       | 84        | 1.2         | 299       | 11           |
| 08/05/24 00:20 | 6           | 24                       | 30                       | 1                        | 13.3       | 84        | 1.2         | 292       | 13           |
| 08/05/24 00:25 | 5           | 24                       | 29                       | 1                        | 13.3       | 84        | 1.0         | 291       | 13           |
| 08/05/24 00:30 | 4           | 24                       | 28                       | 1                        | 13.4       | 84        | 1.2         | 299       | 12           |
| 08/05/24 00:35 | 4           | 24                       | 28                       | 1                        | 13.2       | 84        | 1.4         | 317       | 7            |
| 08/05/24 00:40 | 3           | 24                       | 28                       | 1                        | 13.2       | 84        | 1.2         | 306       | 10           |
| 08/05/24 00:45 | 4           | 24                       | 28                       | 2                        | 13.1       | 84        | 1.3         | 314       | 7            |
| 08/05/24 00:50 | 4           | 24                       | 28                       | 2                        | 13.2       | 84        | 1.3         | 311       | 11           |
| 08/05/24 00:55 | 4           | 24                       | 28                       | 2                        | 13.1       | 84        | 0.9         | 310       | 19           |
| 08/05/24 01:00 | 4           | 24                       | 28                       | 2                        | 13.1       | 84        | 0.9         | 326       | 26           |
| 08/05/24 01:05 |             |                          |                          |                          | 13.2       | 84        | 1.0         | 338       | 22           |
| 08/05/24 01:10 |             |                          |                          |                          | 13.1       | 84        | 0.8         | 339       | 32           |
| 08/05/24 01:15 |             |                          |                          |                          | 13.1       | 84        | 0.6         | 338       | 35           |
| 08/05/24 01:20 |             |                          |                          |                          | 13.2       | 85        | 0.6         | 331       | 29           |
| 08/05/24 01:25 |             |                          |                          |                          | 13.2       | 84        | 1.2         | 335       | 17           |
| 08/05/24 01:30 |             |                          |                          |                          | 13.3       | 84        | 1.3         | 339       | 15           |
| 08/05/24 01:35 |             |                          |                          |                          | 13.3       | 84        | 1.1         | 310       | 14           |
| 08/05/24 01:40 |             |                          |                          |                          | 13.3       | 84        | 1.0         | 331       | 14           |
| 08/05/24 01:45 |             |                          |                          |                          | 13.4       | 84        | 1.2         | 315       | 20           |
| 08/05/24 01:50 |             |                          |                          |                          | 13.4       | 84        | 1.5         | 314       | 9            |
| 08/05/24 01:55 |             |                          |                          |                          | 13.4       | 83        | 1.8         | 313       | 7            |
| 08/05/24 02:00 |             |                          |                          |                          | 13.5       | 84        | 1.3         | 294       | 11           |
| 08/05/24 02:05 | 6           | 24                       | 30                       | 2                        | 13.5       | 84        | 1.2         | 308       | 9            |
| 08/05/24 02:10 | 6           | 24                       | 30                       | 2                        | 13.5       | 83        | 1.2         | 309       | 8            |
| 08/05/24 02:15 | 7           | 24                       | 31                       | 2                        | 13.5       | 83        | 0.9         | 298       | 17           |
| 08/05/24 02:20 | 8           | 24                       | 32                       | 2                        | 13.7       | 84        | 0.7         | 312       | 13           |
| 08/05/24 02:25 | 8           | 24                       | 32                       | 2                        | 13.5       | 84        | 0.7         | 309       | 15           |
| 08/05/24 02:30 | 9           | 24                       | 33                       | 2                        | 13.5       | 84        | 0.8         | 309       | 15           |
| 08/05/24 02:35 | 9           | 24                       | 33                       | 2                        | 13.5       | 84        | 0.9         | 314       | 11           |
| 08/05/24 02:40 | 10          | 24                       | 33                       | 2                        | 13.6       | 84        | 0.6         | 308       | 20           |
| 08/05/24 02:45 | 9           | 23                       | 33                       | 2                        | 13.6       | 84        | 0.5         | 316       | 20           |
| 08/05/24 02:50 | 9           | 23                       | 32                       | 2                        | 13.5       | 84        | 0.4         | 319       | 33           |
| 08/05/24 02:55 | 11          | 23                       | 34                       | 2                        | 13.5       | 84        | 0.6         | 316       | 16           |
| 08/05/24 03:00 | 11          | 23                       | 34                       | 2                        | 13.5       | 85        | 0.3         | 323       | 39           |
| 08/05/24 03:05 | 11          | 22                       | 33                       | 2                        | 13.5       | 84        | 0.6         | 18        | 12           |
| 08/05/24 03:10 | 11          | 22                       | 33                       | 2                        | 13.4       | 85        | 0.6         | 21        | 10           |
| 08/05/24 03:15 | 11          | 22                       | 33                       | 2                        | 13.3       | 85        | 0.6         | 40        | 5            |
| 08/05/24 03:20 | 11          | 22                       | 33                       | 2                        | 13.3       | 85        | 0.8         | 35        | 6            |
| 08/05/24 03:25 | 11          | 22                       | 33                       | 2                        | 13.3       | 85        | 0.8         | 27        | 4            |
| 08/05/24 03:30 | 12          | 22                       | 34                       | 2                        | 13.3       | 86        | 0.7         | 34        | 8            |
| 08/05/24 03:35 | 13          | 22                       | 35                       | 2                        | 13.3       | 85        | 0.7         | 34        | 9            |
| 08/05/24 03:40 | 21          | 19                       | 40                       | 2                        | 13.3       | 85        | 0.7         | 43        | 8            |
| 08/05/24 03:45 | 25          | 22                       | 48                       | 2                        | 13.2       | 85        | 0.6         | 38        | 7            |
| 08/05/24 03:50 | 27          | 24                       | 51                       | 2                        | 13.3       | 86        | 0.5         | 37        | 12           |
| 08/05/24 03:55 | 29          | 23                       | 52                       | 2                        | 13.3       | 85        | 0.5         | 47        | 10           |
| 08/05/24 04:00 | 29          | 23                       | 52                       | 2                        | 13.3       | 85        | 0.5         | 12        | 15           |
| 08/05/24 04:05 | 28          | 23                       | 51                       | 2                        | 13.4       | 85        | 0.3         | 354       | 26           |
| 08/05/24 04:10 | 28          | 23                       | 51                       | 2                        | 13.4       | 85        | 0.3         | 26        | 18           |
| 08/05/24 04:15 | 28          | 23                       | 51                       | 2                        | 13.5       | 85        | 0.4         | 35        | 11           |
| 08/05/24 04:20 | 28          | 23                       | 51                       | 2                        | 13.5       | 85        | 0.5         | 26        | 15           |
| 08/05/24 04:25 | 29          | 24                       | 53                       | 2                        | 13.5       | 85        | 0.6         | 16        | 16           |
| 08/05/24 04:30 | 32          | 24                       | 55                       | 2                        | 13.5       | 84        | 0.3         | 11        | 26           |
| 08/05/24 04:35 | 34          | 24                       | 58                       | 2                        | 13.5       | 84        | 0.6         | 8         | 14           |
| 08/05/24 04:40 | 34          | 24                       | 58                       | 2                        | 13.5       | 84        | 0.6         | 4         | 12           |
| 08/05/24 04:45 | 34          | 24                       | 57                       | 2                        | 13.5       | 84        | 0.4         | 5         | 18           |
| 08/05/24 04:50 | 33          | 23                       | 56                       | 2                        | 13.5       | 84        | 0.5         | 23        | 16           |
| 08/05/24 04:55 | 32          | 23                       | 56                       | 2                        | 13.5       | 84        | 0.5         | 12        | 20           |
| 08/05/24 05:00 | 33          | 23                       | 56                       | 2                        | 13.6       | 84        | 0.3         | 5         | 37           |
| 08/05/24 05:05 | 33          | 23                       | 56                       | 2                        | 13.5       | 84        | 0.3         | 46        | 12           |
| 08/05/24 05:10 | 34          | 23                       | 57                       | 2                        | 13.6       | 83        | 0.3         | 47        | 17           |
| 08/05/24 05:15 | 33          | 23                       | 56                       | 2                        | 13.6       | 83        | 0.3         | 356       | 26           |
| 08/05/24 05:20 | 33          | 23                       | 56                       | 2                        | 13.5       | 83        | 0.6         | 311       | 11           |
| 08/05/24 05:25 | 33          | 23                       | 56                       | 2                        | 13.6       | 83        | 0.6         | 306       | 10           |
| 08/05/24 05:30 | 31          | 23                       | 54                       | 2                        | 13.6       | 83        | 0.7         | 301       | 6            |
| 08/05/24 05:35 | 30          | 23                       | 53                       | 2                        | 13.6       | 84        | 0.6         | 303       | 14           |
| 08/05/24 05:40 | 29          | 22                       | 51                       | 2                        | 13.6       | 84        | 0.5         | 301       | 13           |
| 08/05/24 05:45 | 28          | 22                       | 50                       | 2                        | 13.6       | 84        | 0.4         | 320       | 12           |
| 08/05/24 05:50 | 26          | 22                       | 48                       | 2                        | 13.6       | 84        | 0.5         | 319       | 18           |
| 08/05/24 05:55 | 25          | 22                       | 47                       | 2                        | 13.6       | 84        | 0.3         | 358       | 26           |
| 08/05/24 06:00 | 24          | 22                       | 46                       | 2                        | 13.6       | 84        | 0.4         | 2         | 25           |
| 08/05/24 06:05 | 24          | 21                       | 45                       | 2                        | 13.7       | 84        | 0.4         | 355       | 29           |
| 08/05/24 06:10 | 23          | 21                       | 44                       | 2                        | 13.6       | 84        | 0.4         | 330       | 20           |
| 08/05/24 06:15 | 24          | 21                       | 44                       | 2                        | 13.6       | 84        | 0.5         | 330       | 14           |
| 08/05/24 06:20 | 24          | 21                       | 45                       | 2                        | 13.6       | 84        | 0.5         | 313       | 14           |
| 08/05/24 06:25 | 26          | 21                       | 46                       | 2                        | 13.7       | 84        | 0.8         | 318       | 11           |
| 08/05/24 06:30 | 27          | 21                       | 48                       | 2                        | 13.5       | 84        | 0.8         | 312       | 8            |
| 08/05/24 06:35 | 28          | 21                       | 49                       | 2                        | 13.6       | 85        | 0.7         | 317       | 14           |
| 08/05/24 06:40 | 28          | 21                       | 49                       | 2                        | 13.6       | 85        | 0.6         | 318       | 20           |
| 08/05/24 06:45 | 29          | 21                       | 50                       | 2                        | 13.6       | 85        | 0.5         | 339       | 26           |
| 08/05/24 06:50 | 30          | 21                       | 51                       | 2                        | 13.6       | 85        | 0.4         | 0         | 30           |
| 08/05/24 06:55 | 32          | 21                       | 53                       | 2                        | 13.6       | 85        | 0.2         | 36        | 37           |
| 08/05/24 07:00 | 34          | 21                       | 55                       | 2                        | 13.5       | 85        | 0.4         | 15        | 25           |
| 08/05/24 07:05 | 37          | 20                       | 56                       | 2                        | 13.5       | 85        | 0.4         | 14        | 29           |
| 08/05/24 07:10 | 39          | 19                       | 58                       | 2                        | 13.5       | 85        | 0.5         | 6         | 30           |
| 08/05/24 07:15 | 39          | 20                       | 58                       | 2                        | 13.5       | 85        | 0.5         | 343       | 23           |
| 08/05/24 07:20 | 37          | 20                       | 58                       | 2                        | 13.5       | 85        | 0.9         | 3         | 20           |
| 08/05/24 07:25 | 35          | 21                       | 56                       | 2                        | 13.4       | 85        | 0.7         | 354       | 38           |
| 08/05/24 07:30 | 32          | 21                       | 53                       | 2                        | 13.4       | 85        | 0.8         | 355       | 24           |
| 08/05/24 07:35 | 31          | 21                       | 52                       | 2                        | 13.3       | 85        | 0.9         | 3         | 26           |
| 08/05/24 07:40 | 32          | 21                       | 53                       | 2                        | 13.4       | 85        | 0.6         | 345       | 31           |
| 08/05/24 07:45 | 33          | 21                       | 53                       | 2                        | 13.3       | 85        | 0.6         | 352       | 38           |
| 08/05/24 07:50 | 33          | 21                       | 53                       | 2                        | 13.4       | 85        | 0.7         | 6         | 26           |
| 08/05/24 07:55 | 33          | 21                       | 54                       | 2                        | 13.4       | 85        | 0.8         | 15        | 19           |
| 08/05/24 08:00 | 33          | 21                       | 54                       | 2                        | 13.4       | 85        | 0.5         | 25        | 28           |
| 08/05/24 08:05 | 52          | 8                        | 60                       | 2                        | 13.6       | 85        | 0.7         | 17        | 31           |
| 08/05/24 08:10 | 64          | 20                       | 84                       | 2                        | 13.7       | 85        | 0.3         | 13        | 60           |
| 08/05/24 08:15 | 66          | 21                       | 88                       | 2                        | 13.7       | 84        | 0.5         | 333       | 22           |
| 08/05/24 08:20 | 57          | 23                       | 80                       | 2                        | 13.8       | 83        | 0.6         | 338       | 31           |
| 08/05/24 08:25 | 58          | 20                       | 78                       | 2                        | 13.9       | 82        | 1.0         | 359       | 29           |
| 08/05/24 08:30 | 40          | 22                       | 62                       | 2                        | 13.9       | 81        | 0.9         | 341       | 32           |
| 08/05/24 08:35 | 28          | 24                       | 52                       | 2                        | 14.0       | 80        | 0.4         | 323       | 35           |
| 08/05/24 08:40 | 39          | 23                       | 62                       | 2                        | 14.0       | 81        | 0.7         | 344       | 30           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 08/05/24 08:45 | 41          | 21                       | 62                       | 2                        | 14.1       | 81        | 0.8         | 299       | 18           |
| 08/05/24 08:50 | 21          | 19                       | 39                       | 2                        | 14.1       | 80        | 0.9         | 312       | 20           |
| 08/05/24 08:55 | 20          | 16                       | 36                       | 2                        | 14.2       | 79        | 0.9         | 315       | 28           |
| 08/05/24 09:00 | 8           | 16                       | 24                       | 2                        | 14.2       | 79        | 0.3         | 354       | 70           |
| 08/05/24 09:05 | 20          | 27                       | 47                       | 2                        | 14.3       | 80        | 0.8         | 54        | 27           |
| 08/05/24 09:10 | 14          | 19                       | 33                       | 2                        | 14.4       | 78        | 1.1         | 2         | 28           |
| 08/05/24 09:15 | 4           | 12                       | 16                       | 2                        | 14.3       | 77        | 1.0         | 311       | 20           |
| 08/05/24 09:20 | 4           | 12                       | 16                       | 2                        | 14.4       | 78        | 1.2         | 335       | 27           |
| 08/05/24 09:25 | 5           | 13                       | 18                       | 2                        | 14.4       | 78        | 1.2         | 315       | 19           |
| 08/05/24 09:30 | 5           | 15                       | 20                       | 2                        | 14.2       | 78        | 1.3         | 318       | 33           |
| 08/05/24 09:35 | 6           | 17                       | 22                       | 2                        | 14.2       | 77        | 1.0         | 280       | 28           |
| 08/05/24 09:40 | 6           | 18                       | 24                       | 2                        | 14.2       | 78        | 0.7         | 272       | 25           |
| 08/05/24 09:45 | 7           | 18                       | 26                       | 2                        | 14.4       | 77        | 1.3         | 70        | 22           |
| 08/05/24 09:50 | 8           | 18                       | 26                       | 2                        | 14.5       | 77        | 0.9         | 84        | 23           |
| 08/05/24 09:55 | 8           | 18                       | 26                       | 2                        | 14.6       | 76        | 1.0         | 78        | 24           |
| 08/05/24 10:00 | 9           | 17                       | 26                       | 2                        | 14.7       | 76        | 0.9         | 87        | 23           |
| 08/05/24 10:05 | 10          | 17                       | 27                       | 2                        | 15.0       | 75        | 0.8         | 106       | 20           |
| 08/05/24 10:10 | 11          | 17                       | 28                       | 2                        | 15.4       | 73        | 0.6         | 62        | 42           |
| 08/05/24 10:15 | 14          | 15                       | 30                       | 2                        | 15.9       | 71        | 1.3         | 119       | 25           |
| 08/05/24 10:20 | 19          | 13                       | 32                       | 2                        | 16.1       | 69        | 1.4         | 57        | 17           |
| 08/05/24 10:25 | 20          | 15                       | 36                       | 2                        | 15.9       | 70        | 1.1         | 93        | 24           |
| 08/05/24 10:30 | 20          | 17                       | 36                       | 2                        | 16.3       | 69        | 0.9         | 168       | 31           |
| 08/05/24 10:35 | 19          | 17                       | 36                       | 2                        | 15.9       | 70        | 2.3         | 217       | 9            |
| 08/05/24 10:40 | 18          | 16                       | 35                       | 2                        | 15.3       | 74        | 1.8         | 227       | 6            |
| 08/05/24 10:45 | 18          | 16                       | 34                       | 2                        | 15.1       | 74        | 1.7         | 210       | 14           |
| 08/05/24 10:50 | 18          | 17                       | 36                       | 2                        | 15.4       | 74        | 1.5         | 189       | 22           |
| 08/05/24 10:55 | 20          | 23                       | 44                       | 2                        | 15.9       | 71        | 1.1         | 150       | 28           |
| 08/05/24 11:00 | 36          | 22                       | 58                       | 2                        | 16.4       | 68        | 0.9         | 164       | 29           |
| 08/05/24 11:05 | 33          | 20                       | 53                       | 2                        | 16.9       | 66        | 1.0         | 151       | 26           |
| 08/05/24 11:10 | 37          | 25                       | 61                       | 2                        | 17.1       | 65        | 1.1         | 158       | 24           |
| 08/05/24 11:15 | 29          | 18                       | 47                       | 2                        | 17.0       | 68        | 1.3         | 181       | 28           |
| 08/05/24 11:20 | 27          | 18                       | 44                       | 2                        | 16.7       | 68        | 1.6         | 184       | 20           |
| 08/05/24 11:25 | 22          | 20                       | 42                       | 2                        | 16.5       | 69        | 1.6         | 192       | 18           |
| 08/05/24 11:30 | 22          | 19                       | 41                       | 2                        | 16.7       | 68        | 0.8         | 152       | 33           |
| 08/05/24 11:35 | 14          | 16                       | 30                       | 2                        | 17.1       | 66        | 1.2         | 146       | 22           |
| 08/05/24 11:40 | 14          | 16                       | 30                       | 2                        | 17.2       | 66        | 1.0         | 155       | 26           |
| 08/05/24 11:45 | 13          | 16                       | 30                       | 2                        | 17.2       | 66        | 0.7         | 158       | 48           |
| 08/05/24 11:50 | 14          | 16                       | 30                       | 2                        | 17.4       | 66        | 0.7         | 180       | 30           |
| 08/05/24 11:55 | 14          | 16                       | 31                       | 2                        | 17.1       | 68        | 1.1         | 193       | 18           |
| 08/05/24 12:00 | 14          | 16                       | 31                       | 2                        | 17.3       | 67        | 0.8         | 152       | 30           |
| 08/05/24 12:05 | 14          | 16                       | 31                       | 2                        | 17.8       | 64        | 1.0         | 158       | 24           |
| 08/05/24 12:10 | 14          | 16                       | 30                       | 2                        | 18.0       | 63        | 1.0         | 152       | 25           |
| 08/05/24 12:15 | 14          | 16                       | 30                       | 2                        | 17.9       | 64        | 1.2         | 154       | 27           |
| 08/05/24 12:20 | 14          | 16                       | 30                       | 2                        | 17.7       | 65        | 1.4         | 161       | 30           |
| 08/05/24 12:25 | 14          | 16                       | 30                       | 2                        | 17.5       | 66        | 1.5         | 157       | 22           |
| 08/05/24 12:30 | 14          | 16                       | 30                       | 2                        | 17.5       | 66        | 0.9         | 159       | 30           |
| 08/05/24 12:35 | 14          | 17                       | 31                       | 2                        | 17.8       | 65        | 0.8         | 160       | 33           |
| 08/05/24 12:40 | 14          | 17                       | 31                       | 2                        | 17.9       | 64        | 0.8         | 158       | 30           |
| 08/05/24 12:45 | 15          | 17                       | 32                       | 2                        | 18.3       | 64        | 1.2         | 161       | 26           |
| 08/05/24 12:50 | 16          | 18                       | 35                       | 2                        | 18.2       | 64        | 1.2         | 165       | 21           |
| 08/05/24 12:55 | 21          | 24                       | 45                       | 3                        | 18.2       | 65        | 1.6         | 173       | 16           |
| 08/05/24 13:00 | 22          | 20                       | 41                       | 2                        | 18.3       | 64        | 1.6         | 161       | 17           |
| 08/05/24 13:05 | 28          | 23                       | 51                       | 2                        | 18.3       | 64        | 1.3         | 158       | 17           |
| 08/05/24 13:10 | 18          | 19                       | 37                       | 3                        | 18.4       | 63        | 1.2         | 151       | 25           |
| 08/05/24 13:15 | 16          | 18                       | 34                       | 2                        | 18.2       | 64        | 1.6         | 147       | 19           |
| 08/05/24 13:20 | 15          | 17                       | 33                       | 2                        | 17.9       | 66        | 2.0         | 151       | 20           |
| 08/05/24 13:25 | 14          | 16                       | 31                       | 2                        | 17.7       | 68        | 1.4         | 158       | 32           |
| 08/05/24 13:30 | 13          | 16                       | 28                       | 2                        | 17.4       | 68        | 2.2         | 147       | 17           |
| 08/05/24 13:35 | 11          | 15                       | 26                       | 2                        | 17.3       | 69        | 1.3         | 160       | 27           |
| 08/05/24 13:40 | 11          | 15                       | 26                       | 2                        | 17.5       | 69        | 1.1         | 161       | 30           |
| 08/05/24 13:45 | 11          | 15                       | 25                       | 2                        | 17.7       | 68        | 1.0         | 166       | 26           |
| 08/05/24 13:50 | 9           | 12                       | 21                       | 2                        | 17.9       | 67        | 1.2         | 157       | 30           |
| 08/05/24 13:55 | 9           | 12                       | 22                       | 2                        | 17.7       | 68        | 1.6         | 152       | 27           |
| 08/05/24 14:00 | 9           | 13                       | 22                       | 2                        | 17.5       | 69        | 1.2         | 161       | 24           |
| 08/05/24 14:05 | 9           | 13                       | 22                       | 2                        | 17.6       | 70        | 1.4         | 162       | 31           |
| 08/05/24 14:10 | 9           | 14                       | 22                       | 2                        | 17.5       | 70        | 1.5         | 157       | 29           |
| 08/05/24 14:15 | 10          | 15                       | 25                       | 2                        | 17.4       | 70        | 1.1         | 166       | 39           |
| 08/05/24 14:20 | 9           | 12                       | 22                       | 2                        | 17.6       | 70        | 1.3         | 161       | 28           |
| 08/05/24 14:25 | 8           | 12                       | 21                       | 2                        | 17.5       | 70        | 2.0         | 150       | 24           |
| 08/05/24 14:30 | 8           | 13                       | 20                       | 2                        | 17.4       | 70        | 1.6         | 155       | 25           |
| 08/05/24 14:35 | 7           | 13                       | 20                       | 2                        | 17.5       | 69        | 1.4         | 161       | 28           |
| 08/05/24 14:40 | 7           | 13                       | 20                       | 2                        | 17.6       | 69        | 1.3         | 161       | 28           |
| 08/05/24 14:45 | 7           | 13                       | 20                       | 2                        | 17.5       | 70        | 1.6         | 153       | 26           |
| 08/05/24 14:50 | 6           | 14                       | 20                       | 2                        | 17.7       | 70        | 1.2         | 163       | 28           |
| 08/05/24 14:55 | 6           | 14                       | 20                       | 2                        | 17.7       | 70        | 2.3         | 148       | 18           |
| 08/05/24 15:00 | 6           | 14                       | 19                       | 2                        | 17.7       | 70        | 1.6         | 151       | 25           |
| 08/05/24 15:05 | 5           | 14                       | 19                       | 2                        | 17.7       | 71        | 1.5         | 154       | 31           |
| 08/05/24 15:10 | 5           | 14                       | 19                       | 2                        | 17.7       | 69        | 1.5         | 161       | 27           |
| 08/05/24 15:15 | 5           | 15                       | 20                       | 2                        | 17.7       | 70        | 1.2         | 168       | 31           |
| 08/05/24 15:20 | 5           | 15                       | 20                       | 2                        | 18.1       | 69        | 1.2         | 172       | 25           |
| 08/05/24 15:25 | 5           | 15                       | 20                       | 2                        | 18.2       | 68        | 1.5         | 166       | 29           |
| 08/05/24 15:30 | 5           | 15                       | 20                       | 2                        | 18.2       | 69        | 1.4         | 170       | 32           |
| 08/05/24 15:35 | 5           | 15                       | 19                       | 2                        | 18.4       | 67        | 1.8         | 170       | 19           |
| 08/05/24 15:40 | 4           | 15                       | 19                       | 2                        | 18.4       | 67        | 1.5         | 164       | 22           |
| 08/05/24 15:45 | 4           | 15                       | 19                       | 2                        | 18.5       | 67        | 2.2         | 168       | 19           |
| 08/05/24 15:50 | 4           | 15                       | 19                       | 2                        | 18.4       | 68        | 2.1         | 169       | 17           |
| 08/05/24 15:55 | 4           | 16                       | 20                       | 2                        | 18.4       | 68        | 2.1         | 167       | 21           |
| 08/05/24 16:00 | 5           | 16                       | 21                       | 2                        | 18.3       | 68        | 2.1         | 172       | 20           |
| 08/05/24 16:05 | 5           | 17                       | 22                       | 2                        | 18.3       | 69        | 2.2         | 173       | 18           |
| 08/05/24 16:10 | 5           | 18                       | 24                       | 2                        | 18.4       | 69        | 1.8         | 177       | 17           |
| 08/05/24 16:15 | 6           | 20                       | 26                       | 2                        | 18.5       | 69        | 1.8         | 176       | 18           |
| 08/05/24 16:20 | 7           | 23                       | 30                       | 2                        | 18.5       | 70        | 1.9         | 182       | 17           |
| 08/05/24 16:25 | 7           | 24                       | 32                       | 2                        | 18.5       | 71        | 1.9         | 183       | 16           |
| 08/05/24 16:30 | 6           | 19                       | 25                       | 2                        | 18.3       | 73        | 1.9         | 182       | 19           |
| 08/05/24 16:35 | 5           | 17                       | 22                       | 2                        | 18.2       | 73        | 2.1         | 180       | 19           |
| 08/05/24 16:40 | 3           | 16                       | 19                       | 2                        | 18.1       | 75        | 2.0         | 177       | 17           |
| 08/05/24 16:45 | 2           | 16                       | 19                       | 2                        | 18.0       | 75        | 2.0         | 186       | 15           |
| 08/05/24 16:50 | 3           | 17                       | 20                       | 2                        | 17.6       | 77        | 2.0         | 184       | 16           |
| 08/05/24 16:55 | 3           | 18                       | 21                       | 2                        | 17.3       | 79        | 2.0         | 182       | 17           |
| 08/05/24 17:00 | 3           | 17                       | 20                       | 2                        | 17.2       | 80        | 1.7         | 183       | 16           |
| 08/05/24 17:05 | 2           | 17                       | 20                       | 2                        | 17.1       | 81        | 1.9         | 186       | 14           |
| 08/05/24 17:10 | 2           | 17                       | 20                       | 2                        | 16.9       | 82        | 1.7         | 177       | 21           |
| 08/05/24 17:15 | 2           | 17                       | 19                       | 2                        | 16.8       | 83        | 1.9         | 176       | 21           |
| 08/05/24 17:20 | 2           | 17                       | 19                       | 2                        | 16.7       | 85        | 1.9         | 168       | 21           |
| 08/05/24 17:25 | 1           | 17                       | 18                       | 2                        | 16.6       | 86        | 1.8         | 181       | 18           |
| 08/05/24 17:30 | 1           | 17                       | 18                       | 2                        | 16.6       | 86        | 1.9         | 174       | 22           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 08/05/24 17:35 | 1           | 16                       | 17                       | 2                        | 16.6       | 87        | 1.8         | 180       | 22           |
| 08/05/24 17:40 | 1           | 16                       | 17                       | 2                        | 16.5       | 88        | 1.6         | 169       | 27           |
| 08/05/24 17:45 | 1           | 16                       | 16                       | 2                        | 16.6       | 88        | 1.8         | 171       | 22           |
| 08/05/24 17:50 | 0           | 16                       | 16                       | 2                        | 16.5       | 88        | 1.7         | 169       | 24           |
| 08/05/24 17:55 | 0           | 16                       | 16                       | 2                        | 16.5       | 89        | 1.4         | 161       | 32           |
| 08/05/24 18:00 | 0           | 16                       | 16                       | 2                        | 16.5       | 89        | 1.2         | 160       | 35           |
| 08/05/24 18:05 | 0           | 15                       | 15                       | 2                        | 16.4       | 88        | 1.5         | 156       | 30           |
| 08/05/24 18:10 | 0           | 15                       | 15                       | 2                        | 16.4       | 89        | 1.4         | 154       | 27           |
| 08/05/24 18:15 | 0           | 15                       | 15                       | 2                        | 16.4       | 89        | 1.3         | 158       | 30           |
| 08/05/24 18:20 | 0           | 15                       | 15                       | 2                        | 16.4       | 90        | 1.2         | 170       | 29           |
| 08/05/24 18:25 | 0           | 14                       | 15                       | 2                        | 16.4       | 90        | 1.0         | 168       | 30           |
| 08/05/24 18:30 | 0           | 14                       | 15                       | 2                        | 16.4       | 90        | 1.0         | 170       | 33           |
| 08/05/24 18:35 | 0           | 15                       | 15                       | 2                        | 16.2       | 88        | 0.9         | 165       | 36           |
| 08/05/24 18:40 | 0           | 16                       | 16                       | 2                        | 16.2       | 88        | 1.0         | 160       | 33           |
| 08/05/24 18:45 | 0           | 17                       | 17                       | 2                        | 16.2       | 88        | 1.2         | 169       | 30           |
| 08/05/24 18:50 | 0           | 17                       | 18                       | 2                        | 16.2       | 87        | 0.9         | 154       | 30           |
| 08/05/24 18:55 | 0           | 18                       | 18                       | 2                        | 16.3       | 87        | 0.8         | 174       | 30           |
| 08/05/24 19:00 | 0           | 18                       | 19                       | 2                        | 16.2       | 87        | 0.6         | 172       | 27           |
| 08/05/24 19:05 | 0           | 19                       | 19                       | 2                        | 16.1       | 87        | 0.9         | 195       | 12           |
| 08/05/24 19:10 | 0           | 19                       | 19                       | 2                        | 16.2       | 87        | 1.0         | 195       | 10           |
| 08/05/24 19:15 | 0           | 19                       | 19                       | 1                        | 16.2       | 87        | 0.8         | 189       | 15           |
| 08/05/24 19:20 | 0           | 19                       | 19                       | 2                        | 16.3       | 87        | 0.8         | 190       | 13           |
| 08/05/24 19:25 | 0           | 19                       | 20                       | 2                        | 16.3       | 87        | 0.7         | 196       | 15           |
| 08/05/24 19:30 | 0           | 19                       | 20                       | 2                        | 16.2       | 87        | 0.8         | 193       | 14           |
| 08/05/24 19:35 | 0           | 20                       | 20                       | 2                        | 16.3       | 87        | 0.9         | 208       | 7            |
| 08/05/24 19:40 | 0           | 19                       | 20                       | 2                        | 16.5       | 88        | 1.1         | 205       | 7            |
| 08/05/24 19:45 | 0           | 19                       | 19                       | 2                        | 16.4       | 88        | 1.3         | 198       | 8            |
| 08/05/24 19:50 | 0           | 19                       | 19                       | 2                        | 16.5       | 88        | 1.4         | 207       | 6            |
| 08/05/24 19:55 | 0           | 19                       | 19                       | 2                        | 16.5       | 88        | 1.0         | 200       | 15           |
| 08/05/24 20:00 | 0           | 19                       | 20                       | 2                        | 16.3       | 87        | 0.8         | 194       | 15           |
| 08/05/24 20:05 | 0           | 20                       | 20                       | 2                        | 16.1       | 87        | 0.2         | 117       | 48           |
| 08/05/24 20:10 | 0           | 20                       | 20                       | 2                        | 16.0       | 88        | 0.3         | 45        | 44           |
| 08/05/24 20:15 | 0           | 20                       | 21                       | 2                        | 15.9       | 88        | 0.2         | 28        | 34           |
| 08/05/24 20:20 | 0           | 21                       | 21                       | 2                        | 15.7       | 88        | 0.4         | 354       | 14           |
| 08/05/24 20:25 | 1           | 22                       | 23                       | 2                        | 15.6       | 89        | 0.4         | 0         | 32           |
| 08/05/24 20:30 | 1           | 22                       | 24                       | 2                        | 15.6       | 89        | 0.3         | 257       | 28           |
| 08/05/24 20:35 | 2           | 23                       | 25                       | 2                        | 15.4       | 89        | 0.5         | 296       | 15           |
| 08/05/24 20:40 | 2           | 24                       | 25                       | 2                        | 15.4       | 89        | 0.4         | 291       | 38           |
| 08/05/24 20:45 | 2           | 24                       | 26                       | 2                        | 15.3       | 90        | 0.4         | 239       | 21           |
| 08/05/24 20:50 | 3           | 24                       | 27                       | 2                        | 15.1       | 90        | 1.3         | 360       | 24           |
| 08/05/24 20:55 | 20          | 27                       | 47                       | 2                        | 15.0       | 92        | 1.0         | 340       | 17           |
| 08/05/24 21:00 | 30          | 28                       | 58                       | 2                        | 15.0       | 92        | 0.6         | 319       | 33           |
| 08/05/24 21:05 | 33          | 31                       | 64                       | 2                        | 15.0       | 92        | 1.4         | 3         | 7            |
| 08/05/24 21:10 | 45          | 33                       | 78                       | 2                        | 14.8       | 92        | 1.6         | 348       | 10           |
| 08/05/24 21:15 | 48          | 33                       | 81                       | 2                        | 14.9       | 92        | 1.8         | 335       | 12           |
| 08/05/24 21:20 | 49          | 34                       | 83                       | 2                        | 14.8       | 92        | 1.3         | 332       | 15           |
| 08/05/24 21:25 | 51          | 34                       | 84                       | 2                        | 14.7       | 91        | 1.5         | 339       | 16           |
| 08/05/24 21:30 | 54          | 33                       | 87                       | 2                        | 14.6       | 91        | 1.5         | 331       | 16           |
| 08/05/24 21:35 | 62          | 33                       | 95                       | 2                        | 14.4       | 91        | 1.2         | 333       | 13           |
| 08/05/24 21:40 | 71          | 33                       | 104                      | 2                        | 14.4       | 91        | 1.3         | 324       | 17           |
| 08/05/24 21:45 | 73          | 35                       | 108                      | 2                        | 14.3       | 90        | 1.6         | 334       | 15           |
| 08/05/24 21:50 | 74          | 36                       | 110                      | 2                        | 14.2       | 90        | 1.3         | 352       | 18           |
| 08/05/24 21:55 | 75          | 37                       | 111                      | 2                        | 14.0       | 90        | 1.7         | 352       | 10           |
| 08/05/24 22:00 | 74          | 35                       | 108                      | 3                        | 14.0       | 90        | 1.8         | 321       | 18           |
| 08/05/24 22:05 | 67          | 29                       | 96                       | 3                        | 14.0       | 89        | 1.8         | 316       | 14           |
| 08/05/24 22:10 | 60          | 35                       | 95                       | 3                        | 14.1       | 88        | 1.4         | 319       | 15           |
| 08/05/24 22:15 | 58          | 35                       | 94                       | 3                        | 13.9       | 88        | 1.2         | 307       | 13           |
| 08/05/24 22:20 | 56          | 34                       | 90                       | 3                        | 13.9       | 87        | 1.6         | 306       | 13           |
| 08/05/24 22:25 | 51          | 32                       | 83                       | 3                        | 13.8       | 87        | 1.8         | 301       | 14           |
| 08/05/24 22:30 | 42          | 34                       | 76                       | 3                        | 13.7       | 87        | 1.8         | 310       | 13           |
| 08/05/24 22:35 | 40          | 33                       | 73                       | 3                        | 13.6       | 87        | 1.9         | 307       | 9            |
| 08/05/24 22:40 | 39          | 30                       | 69                       | 3                        | 13.6       | 87        | 2.1         | 319       | 9            |
| 08/05/24 22:45 | 38          | 31                       | 69                       | 2                        | 13.5       | 87        | 1.7         | 319       | 17           |
| 08/05/24 22:50 | 37          | 30                       | 67                       | 2                        | 13.5       | 87        | 2.0         | 317       | 13           |
| 08/05/24 22:55 | 36          | 29                       | 65                       | 2                        | 13.4       | 87        | 1.6         | 323       | 14           |
| 08/05/24 23:00 | 34          | 29                       | 63                       | 2                        | 13.5       | 87        | 1.8         | 310       | 10           |
| 08/05/24 23:05 | 33          | 29                       | 62                       | 2                        | 13.5       | 87        | 2.0         | 314       | 10           |
| 08/05/24 23:10 | 32          | 29                       | 61                       | 2                        | 13.4       | 87        | 1.7         | 323       | 14           |
| 08/05/24 23:15 | 31          | 29                       | 60                       | 2                        | 13.4       | 87        | 1.4         | 330       | 20           |
| 08/05/24 23:20 | 30          | 29                       | 59                       | 2                        | 13.3       | 87        | 1.7         | 336       | 14           |
| 08/05/24 23:25 | 30          | 29                       | 59                       | 2                        | 13.3       | 87        | 1.3         | 325       | 18           |
| 08/05/24 23:30 | 30          | 29                       | 59                       | 2                        | 13.3       | 87        | 1.3         | 320       | 16           |
| 08/05/24 23:35 | 30          | 29                       | 59                       | 2                        | 13.3       | 87        | 1.3         | 322       | 16           |
| 08/05/24 23:40 | 30          | 29                       | 58                       | 2                        | 13.2       | 87        | 1.3         | 336       | 18           |
| 08/05/24 23:45 | 30          | 28                       | 58                       | 2                        | 13.1       | 87        | 0.9         | 328       | 17           |
| 08/05/24 23:50 | 30          | 28                       | 59                       |                          | 13.0       | 88        | 1.1         | 324       | 19           |
| 08/05/24 23:55 | 30          | 28                       | 58                       |                          | 13.2       | 88        | 1.1         | 309       | 16           |
| 09/05/24 00:00 | 31          | 28                       | 59                       | 2                        | 13.3       | 87        | 0.9         | 322       | 18           |
| 09/05/24 00:05 | 32          | 28                       | 60                       | 2                        | 13.2       | 87        | 1.1         | 328       | 18           |
| 09/05/24 00:10 | 34          | 28                       | 62                       | 1                        | 13.1       | 87        | 1.0         | 340       | 24           |
| 09/05/24 00:15 | 35          | 28                       | 63                       | 1                        | 13.1       | 88        | 1.2         | 328       | 13           |
| 09/05/24 00:20 | 40          | 25                       | 65                       | 1                        | 13.1       | 87        | 1.4         | 340       | 11           |
| 09/05/24 00:25 | 48          | 24                       | 72                       | 1                        | 13.0       | 87        | 1.4         | 348       | 19           |
| 09/05/24 00:30 | 53          | 29                       | 83                       | 1                        | 13.1       | 88        | 1.0         | 317       | 15           |
| 09/05/24 00:35 | 59          | 31                       | 90                       | 1                        | 13.0       | 87        | 0.8         | 342       | 19           |
| 09/05/24 00:40 | 65          | 29                       | 95                       | 1                        | 12.8       | 87        | 1.6         | 359       | 9            |
| 09/05/24 00:45 | 81          | 32                       | 114                      | 1                        | 12.8       | 88        | 1.5         | 350       | 14           |
| 09/05/24 00:50 | 80          | 35                       | 115                      | 1                        | 12.8       | 88        | 1.5         | 357       | 13           |
| 09/05/24 00:55 | 74          | 33                       | 107                      | 1                        | 12.8       | 87        | 1.4         | 343       | 14           |
| 09/05/24 01:00 | 69          | 31                       | 100                      | 1                        | 12.7       | 87        | 1.5         | 348       | 15           |
| 09/05/24 01:05 |             |                          |                          |                          | 12.7       | 87        | 1.5         | 359       | 19           |
| 09/05/24 01:10 |             |                          |                          |                          | 12.7       | 88        | 0.8         | 307       | 18           |
| 09/05/24 01:15 |             |                          |                          |                          | 12.7       | 88        | 1.1         | 333       | 18           |
| 09/05/24 01:20 |             |                          |                          |                          | 12.6       | 88        | 1.4         | 349       | 18           |
| 09/05/24 01:25 |             |                          |                          |                          | 12.6       | 88        | 1.6         | 334       | 17           |
| 09/05/24 01:30 |             |                          |                          |                          | 12.5       | 88        | 1.2         | 327       | 15           |
| 09/05/24 01:35 |             |                          |                          |                          | 12.5       | 88        | 1.1         | 329       | 16           |
| 09/05/24 01:40 |             |                          |                          |                          | 12.5       | 88        | 1.3         | 335       | 18           |
| 09/05/24 01:45 |             |                          |                          |                          | 12.5       | 89        | 1.1         | 334       | 19           |
| 09/05/24 01:50 |             |                          |                          |                          | 12.5       | 89        | 0.9         | 339       | 21           |
| 09/05/24 01:55 |             |                          |                          |                          | 12.5       | 88        | 0.9         | 349       | 15           |
| 09/05/24 02:00 |             |                          |                          |                          | 12.5       | 89        | 1.0         | 329       | 20           |
| 09/05/24 02:05 | 46          | 28                       | 74                       | 1                        | 12.6       | 89        | 1.4         | 309       | 9            |
| 09/05/24 02:10 | 47          | 28                       | 75                       | 1                        | 12.7       | 89        | 1.3         | 318       | 13           |
| 09/05/24 02:15 | 49          | 28                       | 77                       | 1                        | 12.6       | 88        | 1.4         | 329       | 13           |
| 09/05/24 02:20 | 52          | 28                       | 81                       | 1                        | 12.6       | 88        | 1.2         | 323       | 19           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 09/05/24 02:25 | 54          | 28                       | 82                       | 1                        | 12.6       | 89        | 1.5         | 306       | 12           |
| 09/05/24 02:30 | 50          | 29                       | 79                       | 1                        | 12.6       | 89        | 1.3         | 314       | 14           |
| 09/05/24 02:35 | 32          | 28                       | 59                       | 1                        | 12.6       | 89        | 1.4         | 308       | 9            |
| 09/05/24 02:40 | 26          | 26                       | 51                       | 1                        | 12.6       | 89        | 1.4         | 316       | 13           |
| 09/05/24 02:45 | 25          | 25                       | 50                       | 1                        | 12.5       | 90        | 0.9         | 310       | 20           |
| 09/05/24 02:50 | 25          | 24                       | 49                       | 1                        | 12.6       | 90        | 0.8         | 311       | 16           |
| 09/05/24 02:55 | 26          | 24                       | 49                       | 1                        | 12.5       | 90        | 1.0         | 324       | 21           |
| 09/05/24 03:00 | 26          | 24                       | 49                       | 1                        | 12.5       | 90        | 1.1         | 339       | 19           |
| 09/05/24 03:05 | 28          | 23                       | 51                       | 1                        | 12.3       | 90        | 1.1         | 333       | 27           |
| 09/05/24 03:10 | 28          | 24                       | 52                       | 1                        | 12.4       | 91        | 0.9         | 288       | 18           |
| 09/05/24 03:15 | 27          | 24                       | 51                       | 1                        | 12.5       | 90        | 1.8         | 352       | 21           |
| 09/05/24 03:20 | 38          | 16                       | 54                       | 1                        | 12.2       | 90        | 1.6         | 353       | 26           |
| 09/05/24 03:25 | 55          | 30                       | 85                       | 1                        | 12.3       | 91        | 1.5         | 335       | 21           |
| 09/05/24 03:30 | 66          | 31                       | 96                       | 1                        | 12.3       | 90        | 1.1         | 317       | 28           |
| 09/05/24 03:35 | 54          | 31                       | 85                       | 1                        | 12.2       | 91        | 0.9         | 323       | 37           |
| 09/05/24 03:40 | 43          | 26                       | 69                       | 1                        | 12.2       | 90        | 1.0         | 356       | 22           |
| 09/05/24 03:45 | 42          | 25                       | 67                       | 1                        | 12.1       | 91        | 0.7         | 328       | 34           |
| 09/05/24 03:50 | 41          | 25                       | 66                       | 1                        | 12.1       | 91        | 0.8         | 329       | 34           |
| 09/05/24 03:55 | 39          | 25                       | 64                       | 1                        | 12.0       | 91        | 0.5         | 358       | 36           |
| 09/05/24 04:00 | 38          | 25                       | 63                       | 1                        | 12.0       | 91        | 0.7         | 0         | 12           |
| 09/05/24 04:05 | 37          | 25                       | 62                       | 1                        | 11.8       | 92        | 1.0         | 349       | 11           |
| 09/05/24 04:10 | 35          | 25                       | 61                       | 1                        | 11.8       | 92        | 0.9         | 344       | 17           |
| 09/05/24 04:15 | 35          | 25                       | 60                       | 1                        | 11.9       | 92        | 0.6         | 335       | 18           |
| 09/05/24 04:20 | 35          | 24                       | 60                       | 1                        | 11.9       | 92        | 1.2         | 358       | 17           |
| 09/05/24 04:25 | 38          | 23                       | 61                       | 1                        | 11.9       | 92        | 1.1         | 348       | 11           |
| 09/05/24 04:30 | 39          | 23                       | 61                       | 1                        | 11.8       | 92        | 1.1         | 358       | 8            |
| 09/05/24 04:35 | 40          | 22                       | 62                       | 1                        | 11.9       | 92        | 1.1         | 356       | 12           |
| 09/05/24 04:40 | 42          | 22                       | 63                       | 1                        | 11.8       | 92        | 1.2         | 348       | 11           |
| 09/05/24 04:45 | 41          | 23                       | 64                       | 1                        | 11.9       | 93        | 1.2         | 349       | 13           |
| 09/05/24 04:50 | 49          | 19                       | 68                       | 1                        | 12.0       | 92        | 1.2         | 352       | 11           |
| 09/05/24 04:55 | 64          | 21                       | 85                       | 1                        | 12.0       | 92        | 1.5         | 3         | 6            |
| 09/05/24 05:00 | 71          | 26                       | 97                       | 1                        | 12.0       | 92        | 1.4         | 341       | 14           |
| 09/05/24 05:05 | 71          | 27                       | 98                       | 1                        | 12.2       | 92        | 1.7         | 335       | 10           |
| 09/05/24 05:10 | 68          | 25                       | 93                       | 1                        | 12.2       | 91        | 1.7         | 337       | 15           |
| 09/05/24 05:15 | 69          | 24                       | 94                       | 1                        | 12.2       | 91        | 1.3         | 324       | 20           |
| 09/05/24 05:20 | 70          | 25                       | 95                       | 1                        | 12.3       | 91        | 1.3         | 333       | 19           |
| 09/05/24 05:25 | 62          | 31                       | 93                       | 1                        | 12.2       | 91        | 1.1         | 311       | 14           |
| 09/05/24 05:30 | 56          | 31                       | 86                       | 1                        | 12.3       | 91        | 1.0         | 312       | 11           |
| 09/05/24 05:35 | 54          | 24                       | 78                       | 1                        | 12.3       | 91        | 1.1         | 323       | 15           |
| 09/05/24 05:40 | 50          | 20                       | 70                       | 1                        | 12.3       | 91        | 1.4         | 315       | 11           |
| 09/05/24 05:45 | 49          | 24                       | 72                       | 1                        | 12.4       | 90        | 1.2         | 333       | 17           |
| 09/05/24 05:50 | 50          | 24                       | 74                       | 1                        | 12.3       | 90        | 0.7         | 337       | 26           |
| 09/05/24 05:55 | 52          | 23                       | 75                       | 1                        | 12.3       | 90        | 0.7         | 329       | 25           |
| 09/05/24 06:00 | 55          | 22                       | 78                       | 1                        | 12.1       | 90        | 0.9         | 335       | 16           |
| 09/05/24 06:05 | 64          | 18                       | 83                       | 1                        | 12.3       | 91        | 1.3         | 307       | 14           |
| 09/05/24 06:10 | 67          | 23                       | 90                       | 1                        | 12.5       | 91        | 1.3         | 308       | 8            |
| 09/05/24 06:15 | 66          | 23                       | 89                       | 1                        | 12.5       | 91        | 0.9         | 333       | 17           |
| 09/05/24 06:20 | 65          | 24                       | 89                       | 1                        | 12.4       | 90        | 1.1         | 316       | 14           |
| 09/05/24 06:25 | 67          | 25                       | 92                       | 1                        | 12.4       | 91        | 1.4         | 311       | 14           |
| 09/05/24 06:30 | 67          | 25                       | 92                       | 1                        | 12.4       | 91        | 1.2         | 311       | 16           |
| 09/05/24 06:35 | 66          | 25                       | 91                       | 1                        | 12.4       | 91        | 1.0         | 319       | 22           |
| 09/05/24 06:40 | 67          | 25                       | 92                       | 1                        | 12.4       | 90        | 1.1         | 354       | 21           |
| 09/05/24 06:45 | 67          | 25                       | 92                       | 1                        | 12.3       | 91        | 0.7         | 300       | 25           |
| 09/05/24 06:50 | 65          | 24                       | 89                       | 1                        | 12.4       | 92        | 1.0         | 285       | 16           |
| 09/05/24 06:55 | 55          | 24                       | 79                       | 2                        | 12.5       | 92        | 0.9         | 301       | 19           |
| 09/05/24 07:00 | 49          | 21                       | 71                       | 2                        | 12.5       | 93        | 0.9         | 284       | 25           |
| 09/05/24 07:05 | 37          | 19                       | 56                       | 2                        | 12.7       | 94        | 1.2         | 284       | 12           |
| 09/05/24 07:10 | 23          | 20                       | 43                       | 1                        | 12.8       | 94        | 1.5         | 308       | 16           |
| 09/05/24 07:15 | 25          | 19                       | 44                       | 1                        | 12.4       | 95        | 1.3         | 301       | 15           |
| 09/05/24 07:20 | 27          | 18                       | 45                       | 1                        | 12.5       | 95        | 1.1         | 296       | 16           |
| 09/05/24 07:25 | 30          | 17                       | 47                       | 1                        | 12.5       | 95        | 1.5         | 301       | 13           |
| 09/05/24 07:30 | 36          | 18                       | 54                       | 1                        | 12.3       | 95        | 1.8         | 305       | 7            |
| 09/05/24 07:35 | 50          | 20                       | 71                       | 1                        | 12.3       | 95        | 1.2         | 291       | 18           |
| 09/05/24 07:40 | 54          | 21                       | 75                       | 1                        | 12.3       | 95        | 1.5         | 309       | 9            |
| 09/05/24 07:45 | 56          | 21                       | 77                       | 1                        | 12.3       | 95        | 1.2         | 315       | 14           |
| 09/05/24 07:50 | 61          | 22                       | 82                       | 1                        | 12.3       | 95        | 1.2         | 316       | 17           |
| 09/05/24 07:55 | 80          | 22                       | 102                      | 1                        | 12.4       | 94        | 1.4         | 330       | 15           |
| 09/05/24 08:00 | 95          | 22                       | 116                      | 2                        | 12.4       | 94        | 1.1         | 311       | 17           |
| 09/05/24 08:05 | 105         | 21                       | 126                      | 2                        | 12.4       | 94        | 1.3         | 322       | 17           |
| 09/05/24 08:10 | 110         | 25                       | 134                      | 2                        | 12.4       | 94        | 1.0         | 334       | 17           |
| 09/05/24 08:15 | 115         | 24                       | 139                      | 2                        | 12.5       | 94        | 0.8         | 330       | 31           |
| 09/05/24 08:20 | 124         | 21                       | 146                      | 2                        | 12.4       | 94        | 0.9         | 330       | 31           |
| 09/05/24 08:25 | 123         | 23                       | 146                      | 2                        | 12.4       | 94        | 0.8         | 333       | 25           |
| 09/05/24 08:30 | 120         | 24                       | 144                      | 2                        | 12.5       | 94        | 0.8         | 321       | 28           |
| 09/05/24 08:35 | 119         | 24                       | 143                      | 2                        | 12.4       | 94        | 0.8         | 309       | 19           |
| 09/05/24 08:40 | 111         | 25                       | 135                      | 2                        | 12.5       | 94        | 0.9         | 344       | 22           |
| 09/05/24 08:45 | 98          | 23                       | 122                      | 2                        | 12.5       | 94        | 1.1         | 316       | 17           |
| 09/05/24 08:50 | 92          | 24                       | 116                      | 2                        | 12.6       | 94        | 1.1         | 320       | 19           |
| 09/05/24 08:55 | 91          | 23                       | 113                      | 2                        | 12.7       | 94        | 0.8         | 312       | 35           |
| 09/05/24 09:00 | 90          | 23                       | 112                      | 2                        | 12.9       | 94        | 0.4         | 323       | 51           |
| 09/05/24 09:05 | 87          | 24                       | 111                      | 2                        | 12.9       | 93        | 0.1         | 149       | 82           |
| 09/05/24 09:10 | 86          | 24                       | 110                      | 2                        | 12.9       | 93        | 0.7         | 20        | 26           |
| 09/05/24 09:15 | 86          | 24                       | 109                      | 2                        | 13.1       | 92        | 0.6         | 347       | 52           |
| 09/05/24 09:20 | 85          | 24                       | 108                      | 2                        | 13.1       | 92        | 0.7         | 278       | 21           |
| 09/05/24 09:25 | 85          | 23                       | 108                      | 2                        | 13.2       | 92        | 0.7         | 310       | 34           |
| 09/05/24 09:30 | 84          | 23                       | 108                      | 2                        | 13.3       | 92        | 0.5         | 264       | 26           |
| 09/05/24 09:35 | 84          | 23                       | 107                      | 2                        | 13.4       | 92        | 0.8         | 293       | 22           |
| 09/05/24 09:40 | 83          | 24                       | 107                      | 2                        | 13.6       | 92        | 0.8         | 274       | 21           |
| 09/05/24 09:45 | 80          | 23                       | 103                      | 2                        | 13.6       | 91        | 1.1         | 253       | 12           |
| 09/05/24 09:50 | 78          | 23                       | 101                      | 2                        | 13.8       | 91        | 1.1         | 233       | 9            |
| 09/05/24 09:55 | 74          | 22                       | 97                       | 2                        | 13.8       | 90        | 0.4         | 194       | 28           |
| 09/05/24 10:00 | 72          | 22                       | 94                       | 2                        | 14.1       | 89        | 0.9         | 223       | 13           |
| 09/05/24 10:05 | 69          | 21                       | 90                       | 2                        | 14.1       | 88        | 0.7         | 240       | 13           |
| 09/05/24 10:10 | 67          | 22                       | 89                       | 2                        | 14.1       | 88        | 0.8         | 242       | 14           |
| 09/05/24 10:15 | 66          | 23                       | 89                       | 2                        | 14.0       | 89        | 0.8         | 246       | 25           |
| 09/05/24 10:20 | 66          | 23                       | 89                       | 2                        | 14.1       | 89        | 1.6         | 224       | 5            |
| 09/05/24 10:25 | 69          | 23                       | 92                       | 2                        | 14.1       | 89        | 1.5         | 225       | 5            |
| 09/05/24 10:30 | 79          | 21                       | 100                      | 2                        | 14.2       | 89        | 1.7         | 228       | 7            |
| 09/05/24 10:35 | 95          | 25                       | 120                      | 2                        | 14.2       | 90        | 1.5         | 224       | 8            |
| 09/05/24 10:40 | 101         | 26                       | 128                      | 2                        | 14.2       | 90        | 1.6         | 212       | 7            |
| 09/05/24 10:45 | 99          | 28                       | 126                      | 2                        | 14.2       | 90        | 1.8         | 212       | 6            |
| 09/05/24 10:50 | 92          | 27                       | 119                      | 2                        | 14.3       | 91        | 1.9         | 215       | 5            |
| 09/05/24 10:55 | 85          | 29                       | 114                      | 2                        | 14.4       | 91        | 2.1         | 218       | 5            |
| 09/05/24 11:00 | 89          | 29                       | 117                      | 2                        | 14.4       | 91        | 2.1         | 225       | 4            |
| 09/05/24 11:05 | 65          | 26                       | 91                       | 2                        | 14.5       | 91        | 2.7         | 214       | 5            |
| 09/05/24 11:10 | 59          | 24                       | 83                       | 2                        | 14.5       | 92        | 3.1         | 207       | 4            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 09/05/24 11:15                              | 61          | 26                       | 87                       | 2                        | 14.2       | 92        | 2.8         | 201       | 5            |
| 09/05/24 11:20                              | 66          | 25                       | 91                       | 2                        | 14.4       | 91        | 2.0         | 203       | 6            |
| 09/05/24 11:25                              | 70          | 24                       | 94                       | 1                        | 14.6       | 90        | 1.0         | 205       | 18           |
| 09/05/24 11:30                              | 71          | 24                       | 95                       | 1                        | 14.8       | 90        | 1.2         | 176       | 26           |
| 09/05/24 11:35                              | 70          | 25                       | 95                       | 2                        | 15.0       | 88        | 1.2         | 173       | 25           |
| 09/05/24 11:40                              | 53          | 24                       | 77                       | 2                        | 15.3       | 88        | 1.4         | 179       | 27           |
| 09/05/24 11:45                              | 41          | 18                       | 59                       | 2                        | 15.3       | 87        | 2.1         | 200       | 12           |
| 09/05/24 11:50                              | 32          | 16                       | 48                       | 2                        | 14.9       | 89        | 2.4         | 204       | 5            |
| 09/05/24 11:55                              | 19          | 15                       | 33                       | 2                        | 14.9       | 90        | 2.7         | 197       | 4            |
| 09/05/24 12:00                              | 19          | 15                       | 34                       | 1                        | 14.8       | 90        | 2.2         | 195       | 8            |
| 09/05/24 12:05                              | 19          | 16                       | 35                       | 1                        | 15.0       | 90        | 1.9         | 190       | 14           |
| 09/05/24 12:10                              | 19          | 15                       | 34                       | 2                        | 15.0       | 89        | 2.3         | 201       | 8            |
| 09/05/24 12:15                              | 17          | 15                       | 32                       | 2                        | 14.7       | 90        | 1.9         | 206       | 7            |
| 09/05/24 12:20                              | 16          | 16                       | 31                       | 1                        | 14.5       | 91        | 1.4         | 211       | 9            |
| 09/05/24 12:25                              | 14          | 16                       | 30                       | 1                        | 14.5       | 91        | 1.6         | 209       | 8            |
| 09/05/24 12:30                              | 14          | 15                       | 29                       | 1                        | 14.6       | 92        | 1.3         | 203       | 9            |
| 09/05/24 12:35                              | 14          | 15                       | 29                       | 1                        | 14.7       | 91        | 1.3         | 201       | 7            |
| 09/05/24 12:40                              | 14          | 15                       | 29                       | 1                        | 14.7       | 92        | 1.0         | 187       | 19           |
| 09/05/24 12:45                              | 16          | 14                       | 30                       | 2                        | 15.0       | 91        | 0.8         | 159       | 27           |
| 09/05/24 12:50                              | 20          | 14                       | 33                       | 1                        | 15.1       | 90        | 1.0         | 199       | 31           |
| 09/05/24 12:55                              | 15          | 17                       | 31                       | 1                        | 15.0       | 90        | 0.9         | 211       | 8            |
| 09/05/24 13:00                              | 14          | 16                       | 31                       | 1                        | 14.9       | 91        | 0.7         | 190       | 21           |
| 09/05/24 13:05                              | 14          | 16                       | 30                       | 1                        | 15.0       | 90        | 0.8         | 141       | 19           |
| 09/05/24 13:10                              | 14          | 16                       | 30                       | 1                        | 15.0       | 90        | 0.7         | 134       | 20           |
| 09/05/24 13:15                              | 13          | 17                       | 30                       | 1                        | 15.0       | 90        | 0.7         | 121       | 20           |
| 09/05/24 13:20                              | 12          | 17                       | 28                       | 1                        | 14.9       | 90        | 1.3         | 139       | 11           |
| 09/05/24 13:25                              | 12          | 16                       | 28                       | 1                        | 14.9       | 91        | 1.2         | 138       | 11           |
| 09/05/24 13:30                              | 12          | 16                       | 28                       | 1                        | 14.8       | 91        | 1.0         | 141       | 16           |
| 09/05/24 13:35                              | 12          | 15                       | 27                       | 1                        | 15.0       | 91        | 1.0         | 138       | 22           |
| 09/05/24 13:40                              | 11          | 15                       | 26                       | 1                        | 15.1       | 90        | 0.8         | 155       | 29           |
| 09/05/24 13:45                              | 11          | 15                       | 26                       | 1                        | 15.3       | 89        | 0.8         | 163       | 32           |
| 09/05/24 13:50                              | 11          | 15                       | 26                       | 1                        | 15.5       | 89        | 1.0         | 177       | 23           |
| 09/05/24 13:55                              | 11          | 14                       | 26                       | 1                        | 15.6       | 88        | 0.9         | 184       | 24           |
| 09/05/24 14:00                              | 11          | 14                       | 25                       | 1                        | 15.7       | 87        | 1.6         | 200       | 8            |
| 09/05/24 14:05                              | 11          | 14                       | 25                       | 1                        | 15.6       | 88        | 1.1         | 185       | 20           |
| 09/05/24 14:10                              | 22          | 18                       | 40                       | 1                        | 15.7       | 87        | 1.2         | 173       | 21           |
| 09/05/24 14:15                              | 24          | 19                       | 43                       | 1                        | 15.8       | 86        | 1.6         | 185       | 13           |
| 09/05/24 14:20                              | 14          | 16                       | 30                       | 1                        | 15.7       | 86        | 1.5         | 168       | 18           |
| 09/05/24 14:25                              | 11          | 15                       | 27                       | 1                        | 15.5       | 86        | 0.9         | 146       | 27           |
| 09/05/24 14:30                              | 9           | 14                       | 22                       | 1                        | 15.5       | 87        | 1.1         | 147       | 20           |
| 09/05/24 14:35                              | 9           | 13                       | 22                       | 1                        | 15.7       | 87        | 1.1         | 156       | 26           |
| 09/05/24 14:40                              | 9           | 14                       | 23                       | 1                        | 16.0       | 85        | 1.1         | 152       | 26           |
| 09/05/24 14:45                              | 9           | 14                       | 23                       | 1                        | 16.2       | 84        | 1.1         | 155       | 28           |
| 09/05/24 14:50                              | 9           | 13                       | 22                       | 1                        | 16.3       | 83        | 1.2         | 147       | 24           |
| 09/05/24 14:55                              | 9           | 13                       | 22                       | 1                        | 16.2       | 83        | 1.3         | 134       | 17           |
| 09/05/24 15:00                              | 9           | 14                       | 22                       | 1                        | 16.1       | 85        | 1.1         | 111       | 12           |
| 09/05/24 15:05                              | 8           | 15                       | 23                       | 1                        | 15.9       | 86        | 1.9         | 114       | 9            |
| 09/05/24 15:10                              | 8           | 15                       | 23                       | 0                        | 15.8       | 87        | 1.8         | 115       | 8            |
| 09/05/24 15:15                              | 9           | 16                       | 25                       | 1                        | 15.8       | 88        | 2.1         | 109       | 5            |
| 09/05/24 15:20                              | 9           | 18                       | 27                       | 1                        | 15.6       | 88        | 1.4         | 120       | 11           |
| 09/05/24 15:25                              | 9           | 20                       | 29                       | 1                        | 15.6       | 88        | 0.9         | 136       | 13           |
| 09/05/24 15:30                              | 9           | 20                       | 29                       | 1                        | 15.7       | 88        | 1.2         | 146       | 12           |
| 09/05/24 15:35                              | 9           | 20                       | 30                       | 1                        | 15.8       | 88        | 0.8         | 174       | 18           |
| 09/05/24 15:40                              | 10          | 21                       | 31                       | 1                        | 15.9       | 87        | 1.0         | 149       | 16           |
| 09/05/24 15:45                              | 9           | 21                       | 30                       | 1                        | 15.8       | 87        | 0.9         | 155       | 14           |
| 09/05/24 15:50                              | 9           | 20                       | 29                       | 1                        | 15.9       | 87        | 1.0         | 148       | 17           |
| 09/05/24 15:55                              | 9           | 20                       | 30                       | 1                        | 15.9       | 86        | 0.9         | 176       | 24           |
| 09/05/24 16:00                              | 10          | 21                       | 31                       | 1                        | 16.1       | 86        | 0.9         | 192       | 18           |
| 09/05/24 16:05                              | 10          | 21                       | 31                       | 1                        | 16.0       | 86        | 1.1         | 193       | 11           |
| 09/05/24 16:10                              | 10          | 21                       | 31                       | 1                        | 15.9       | 87        | 1.3         | 206       | 12           |
| 09/05/24 16:15                              | 10          | 22                       | 32                       | 1                        | 15.8       | 88        | 1.6         | 221       | 5            |
| 09/05/24 16:20                              | 11          | 22                       | 34                       | 1                        | 15.7       | 88        | 1.9         | 241       | 9            |
| 09/05/24 16:25                              | 12          | 22                       | 34                       | 1                        | 15.6       | 89        | 1.9         | 256       | 6            |
| 09/05/24 16:30                              | 12          | 23                       | 34                       | 1                        | 15.6       | 89        | 1.5         | 253       | 7            |
| 09/05/24 16:35                              | 12          | 23                       | 35                       | 1                        | 15.5       | 88        | 1.9         | 235       | 4            |
| 09/05/24 16:40                              | 12          | 23                       | 35                       | 1                        | 15.6       | 90        | 2.2         | 225       | 5            |
| 09/05/24 16:45                              | 12          | 23                       | 36                       | 1                        | 15.6       | 90        | 2.4         | 213       | 4            |
| 09/05/24 16:50                              | 12          | 23                       | 35                       | 1                        | 15.5       | 90        | 2.5         | 226       | 6            |
| 09/05/24 16:55                              | 10          | 23                       | 33                       | 1                        | 15.4       | 90        | 3.1         | 228       | 5            |
| 09/05/24 17:00                              | 9           | 23                       | 32                       | 1                        | 15.4       | 91        | 3.3         | 220       | 4            |
| 09/05/24 17:05                              | 6           | 24                       | 30                       | 1                        | 15.4       | 90        | 2.8         | 218       | 3            |
| 09/05/24 17:10                              | 6           | 24                       | 30                       | 1                        | 15.3       | 91        | 2.6         | 221       | 7            |
| 09/05/24 17:15                              | 5           | 24                       | 29                       | 0                        | 15.3       | 91        | 2.0         | 215       | 5            |
| 09/05/24 17:20                              | 5           | 24                       | 29                       | 0                        | 15.3       | 91        | 1.3         | 190       | 16           |
| 09/05/24 17:25                              | 6           | 24                       | 31                       | 0                        | 15.2       | 91        | 0.9         | 181       | 20           |
| 09/05/24 17:30                              | 7           | 26                       | 33                       | 0                        | 15.2       | 91        | 0.9         | 185       | 19           |
| 09/05/24 17:35                              | 7           | 26                       | 34                       | 0                        | 15.2       | 91        | 1.0         | 193       | 9            |
| 09/05/24 17:40                              | 7           | 26                       | 33                       | 0                        | 15.2       | 91        | 0.7         | 183       | 14           |
| 09/05/24 17:45                              | 6           | 26                       | 33                       | 0                        | 15.2       | 91        | 0.3         | 230       | 29           |
| 09/05/24 17:50                              | 6           | 27                       | 33                       | 0                        | 15.3       | 91        | 0.6         | 321       | 10           |
| 09/05/24 17:55                              | 6           | 27                       | 33                       | 0                        | 15.3       | 91        | 0.7         | 311       | 7            |
| 09/05/24 18:00                              | 6           | 27                       | 33                       | 0                        | 15.3       | 91        | 0.5         | 316       | 9            |
| 09/05/24 18:05                              | 6           | 27                       | 33                       | 0                        | 15.2       | 91        | 0.4         | 305       | 11           |
| 09/05/24 18:10                              | 6           | 27                       | 33                       | 1                        | 15.3       | 91        | 0.7         | 311       | 10           |
| 09/05/24 18:15                              | 7           | 27                       | 34                       | 1                        | 15.3       | 90        | 0.8         | 313       | 7            |
| 09/05/24 18:20                              | 9           | 28                       | 36                       | 1                        | 15.2       | 90        | 1.1         | 310       | 6            |
| 09/05/24 18:25                              | 9           | 28                       | 37                       | 1                        | 15.3       | 90        | 0.8         | 293       | 17           |
| 09/05/24 18:30                              | 10          | 27                       | 37                       | 1                        | 15.4       | 91        | 0.7         | 292       | 19           |
| 09/05/24 18:35                              | 10          | 27                       | 38                       | 0                        | 15.4       | 90        | 0.7         | 284       | 17           |
| 09/05/24 18:40                              | 27          | 24                       | 50                       | 0                        | 15.5       | 90        | 0.8         | 264       | 11           |
| 09/05/24 18:45                              | 48          | 28                       | 76                       | 1                        | 15.4       | 89        | 0.9         | 259       | 8            |
| 09/05/24 18:50                              | 63          | 30                       | 93                       | 1                        | 15.5       | 90        | 0.5         | 326       | 24           |
| 09/05/24 18:55                              | 66          | 30                       | 96                       | 1                        | 15.4       | 90        | 0.6         | 329       | 16           |
| 09/05/24 19:00                              | 67          | 31                       | 98                       | 1                        | 15.3       | 90        | 0.6         | 292       | 13           |
| 09/05/24 19:05                              | 67          | 31                       | 98                       | 1                        | 15.4       | 91        | 0.7         | 292       | 13           |
| 09/05/24 19:10                              | 67          | 30                       | 97                       | 1                        | 15.4       | 91        | 0.7         | 289       | 17           |
| 09/05/24 19:15                              | 61          | 27                       | 89                       | 1                        | 15.4       | 91        | 0.6         | 299       | 17           |
| 09/05/24 19:20                              | 45          | 28                       | 74                       | 1                        | 15.4       | 91        | 0.7         | 301       | 13           |
| 09/05/24 19:25                              | 44          | 29                       | 72                       | 1                        | 15.4       | 90        | 0.9         | 306       | 9            |
| 09/05/24 19:30                              | 47          | 27                       | 74                       | 1                        | 15.4       | 91        | 1.4         | 310       | 9            |
| 09/05/24 19:35                              | 65          | 29                       | 94                       | 1                        | 15.3       | 91        | 1.3         | 323       | 10           |
| 09/05/24 19:40                              | 60          | 32                       | 92                       | 1                        | 15.3       | 90        | 1.5         | 315       | 8            |
| 09/05/24 19:45                              | 55          | 32                       | 87                       | 1                        | 15.3       | 90        | 1.1         | 313       | 8            |
| 09/05/24 19:50                              | 54          | 30                       | 85                       | 1                        | 15.3       | 90        | 1.3         | 310       | 9            |
| 09/05/24 19:55                              | 55          | 30                       | 85                       | 1                        | 15.2       | 91        | 0.7         | 289       | 23           |
| 09/05/24 20:00                              | 55          | 30                       | 85                       | 1                        | 15.4       | 91        | 1.4         | 263       | 11           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 09/05/24 20:05 | 57          | 30                       | 87                       | 1                        | 15.3       | 92        | 1.9         | 239       | 6            |
| 09/05/24 20:10 | 58          | 30                       | 88                       | 1                        | 15.4       | 93        | 2.1         | 241       | 7            |
| 09/05/24 20:15 | 49          | 30                       | 79                       | 1                        | 15.5       | 92        | 1.7         | 255       | 10           |
| 09/05/24 20:20 | 56          | 28                       | 84                       | 1                        | 15.5       | 92        | 2.0         | 242       | 8            |
| 09/05/24 20:25 | 63          | 28                       | 91                       | 1                        | 15.5       | 92        | 1.6         | 240       | 10           |
| 09/05/24 20:30 | 44          | 30                       | 74                       | 1                        | 15.6       | 93        | 2.3         | 236       | 7            |
| 09/05/24 20:35 | 31          | 28                       | 59                       | 1                        | 15.4       | 93        | 2.6         | 235       | 4            |
| 09/05/24 20:40 | 30          | 28                       | 58                       | 1                        | 15.5       | 93        | 2.6         | 231       | 4            |
| 09/05/24 20:45 | 30          | 28                       | 58                       | 1                        | 15.4       | 93        | 2.0         | 234       | 6            |
| 09/05/24 20:50 | 30          | 28                       | 58                       | 1                        | 15.4       | 93        | 1.6         | 244       | 10           |
| 09/05/24 20:55 | 29          | 28                       | 57                       | 1                        | 15.4       | 93        | 1.3         | 250       | 11           |
| 09/05/24 21:00 | 27          | 28                       | 55                       | 0                        | 15.4       | 93        | 1.6         | 241       | 10           |
| 09/05/24 21:05 | 22          | 30                       | 53                       | 1                        | 15.4       | 93        | 1.9         | 236       | 8            |
| 09/05/24 21:10 | 25          | 28                       | 53                       | 1                        | 15.5       | 92        | 2.2         | 237       | 6            |
| 09/05/24 21:15 | 30          | 26                       | 56                       | 1                        | 15.6       | 92        | 2.1         | 237       | 7            |
| 09/05/24 21:20 | 36          | 25                       | 61                       | 1                        | 15.5       | 92        | 1.7         | 264       | 16           |
| 09/05/24 21:25 | 35          | 27                       | 62                       | 1                        | 15.4       | 92        | 1.8         | 294       | 14           |
| 09/05/24 21:30 | 25          | 26                       | 51                       | 1                        | 15.3       | 92        | 1.3         | 286       | 19           |
| 09/05/24 21:35 | 27          | 23                       | 50                       | 1                        | 15.3       | 93        | 1.3         | 292       | 16           |
| 09/05/24 21:40 | 28          | 23                       | 51                       | 1                        | 15.1       | 92        | 2.1         | 299       | 9            |
| 09/05/24 21:45 | 26          | 25                       | 51                       | 1                        | 15.2       | 92        | 2.2         | 308       | 9            |
| 09/05/24 21:50 | 25          | 25                       | 50                       | 1                        | 15.2       | 92        | 2.4         | 313       | 9            |
| 09/05/24 21:55 | 26          | 25                       | 51                       | 0                        | 15.2       | 93        | 2.3         | 313       | 9            |
| 09/05/24 22:00 | 27          | 25                       | 52                       | 1                        | 15.2       | 93        | 2.1         | 320       | 11           |
| 09/05/24 22:05 | 29          | 25                       | 54                       | 1                        | 15.2       | 93        | 1.8         | 323       | 14           |
| 09/05/24 22:10 | 31          | 25                       | 56                       | 1                        | 15.1       | 93        | 2.0         | 311       | 16           |
| 09/05/24 22:15 | 34          | 25                       | 59                       | 1                        | 15.1       | 93        | 2.0         | 316       | 19           |
| 09/05/24 22:20 | 32          | 24                       | 55                       | 1                        | 15.2       | 94        | 1.7         | 323       | 19           |
| 09/05/24 22:25 | 28          | 23                       | 51                       | 1                        | 15.0       | 94        | 1.5         | 318       | 22           |
| 09/05/24 22:30 | 26          | 22                       | 48                       | 0                        | 15.0       | 95        | 2.0         | 318       | 14           |
| 09/05/24 22:35 | 21          | 23                       | 44                       | 0                        | 14.9       | 95        | 1.3         | 346       | 24           |
| 09/05/24 22:40 | 20          | 22                       | 41                       | 0                        | 15.0       | 95        | 1.4         | 352       | 18           |
| 09/05/24 22:45 | 23          | 22                       | 45                       | 1                        | 15.0       | 96        | 1.1         | 307       | 26           |
| 09/05/24 22:50 | 31          | 23                       | 55                       | 1                        | 15.1       | 96        | 1.2         | 340       | 19           |
| 09/05/24 22:55 | 35          | 23                       | 58                       | 1                        | 14.9       | 96        | 1.1         | 334       | 16           |
| 09/05/24 23:00 | 33          | 22                       | 55                       | 1                        | 14.9       | 96        | 0.8         | 334       | 22           |
| 09/05/24 23:05 | 27          | 23                       | 50                       | 1                        | 14.9       | 96        | 0.5         | 332       | 25           |
| 09/05/24 23:10 | 20          | 22                       | 42                       | 1                        | 14.9       | 96        | 1.4         | 350       | 18           |
| 09/05/24 23:15 | 19          | 22                       | 41                       | 1                        | 14.8       | 97        | 1.3         | 303       | 19           |
| 09/05/24 23:20 | 15          | 24                       | 39                       | 1                        | 14.8       | 96        | 1.1         | 290       | 20           |
| 09/05/24 23:25 | 10          | 23                       | 33                       | 1                        | 14.8       | 96        | 1.1         | 306       | 12           |
| 09/05/24 23:30 | 7           | 21                       | 28                       | 1                        | 14.7       | 96        | 0.9         | 286       | 21           |
| 09/05/24 23:35 | 6           | 21                       | 28                       | 1                        | 14.8       | 96        | 1.1         | 279       | 15           |
| 09/05/24 23:40 | 6           | 22                       | 28                       | 1                        | 14.8       | 96        | 1.1         | 291       | 17           |
| 09/05/24 23:45 | 7           | 22                       | 28                       | 1                        | 14.7       | 95        | 1.1         | 321       | 12           |
| 09/05/24 23:50 | 7           | 22                       | 29                       |                          | 14.7       | 96        | 0.7         | 351       | 16           |
| 09/05/24 23:55 | 8           | 22                       | 30                       |                          | 14.7       | 96        | 1.3         | 352       | 11           |
| 10/05/24 00:00 | 9           | 22                       | 31                       | 1                        | 14.6       | 96        | 1.1         | 340       | 14           |
| 10/05/24 00:05 | 11          | 22                       | 33                       | 1                        | 14.6       | 96        | 0.7         | 345       | 21           |
| 10/05/24 00:10 | 13          | 21                       | 34                       | 1                        | 14.6       | 96        | 0.9         | 7         | 6            |
| 10/05/24 00:15 | 19          | 18                       | 37                       | 2                        | 14.6       | 96        | 0.8         | 17        | 8            |
| 10/05/24 00:20 | 19          | 20                       | 39                       | 2                        | 14.6       | 96        | 0.8         | 353       | 14           |
| 10/05/24 00:25 | 18          | 21                       | 39                       | 2                        | 14.6       | 96        | 1.2         | 327       | 9            |
| 10/05/24 00:30 | 13          | 23                       | 37                       | 2                        | 14.6       | 96        | 1.4         | 320       | 10           |
| 10/05/24 00:35 | 13          | 23                       | 36                       | 2                        | 14.7       | 96        | 1.0         | 323       | 13           |
| 10/05/24 00:40 | 14          | 23                       | 37                       | 2                        | 14.6       | 96        | 0.4         | 345       | 35           |
| 10/05/24 00:45 | 16          | 22                       | 37                       | 2                        | 14.7       | 96        | 0.6         | 31        | 19           |
| 10/05/24 00:50 | 16          | 21                       | 38                       | 2                        | 14.7       | 96        | 1.0         | 27        | 8            |
| 10/05/24 00:55 | 18          | 21                       | 39                       | 2                        | 14.7       | 97        | 0.9         | 356       | 15           |
| 10/05/24 01:00 | 18          | 21                       | 40                       | 2                        | 14.6       | 96        | 0.8         | 343       | 9            |
| 10/05/24 01:05 |             |                          |                          |                          | 14.7       | 97        | 0.4         | 45        | 37           |
| 10/05/24 01:10 |             |                          |                          |                          | 14.6       | 97        | 0.7         | 96        | 12           |
| 10/05/24 01:15 |             |                          |                          |                          | 14.6       | 97        | 0.3         | 54        | 16           |
| 10/05/24 01:20 |             |                          |                          |                          | 14.6       | 97        | 0.6         | 118       | 11           |
| 10/05/24 01:25 |             |                          |                          |                          | 14.6       | 97        | 1.7         | 113       | 7            |
| 10/05/24 01:30 |             |                          |                          |                          | 14.8       | 97        | 1.8         | 105       | 10           |
| 10/05/24 01:35 |             |                          |                          |                          | 14.7       | 97        | 0.6         | 47        | 30           |
| 10/05/24 01:40 |             |                          |                          |                          | 14.7       | 97        | 0.8         | 46        | 20           |
| 10/05/24 01:45 |             |                          |                          |                          | 14.6       | 97        | 1.0         | 38        | 12           |
| 10/05/24 01:50 |             |                          |                          |                          | 14.6       | 97        | 0.9         | 15        | 14           |
| 10/05/24 01:55 |             |                          |                          |                          | 14.6       | 97        | 1.2         | 12        | 7            |
| 10/05/24 02:00 |             |                          |                          |                          | 14.6       | 97        | 1.1         | 29        | 19           |
| 10/05/24 02:05 | 19          | 22                       | 41                       | 2                        | 14.7       | 97        | 1.4         | 43        | 5            |
| 10/05/24 02:10 | 19          | 23                       | 41                       | 2                        | 14.7       | 97        | 1.3         | 15        | 18           |
| 10/05/24 02:15 | 20          | 23                       | 43                       | 2                        | 14.8       | 97        | 1.3         | 3         | 12           |
| 10/05/24 02:20 | 21          | 23                       | 43                       | 2                        | 14.6       | 97        | 0.9         | 10        | 14           |
| 10/05/24 02:25 | 21          | 23                       | 44                       | 2                        | 14.6       | 97        | 0.8         | 356       | 17           |
| 10/05/24 02:30 | 21          | 22                       | 44                       | 2                        | 14.7       | 97        | 1.1         | 324       | 21           |
| 10/05/24 02:35 | 21          | 22                       | 43                       | 2                        | 14.6       | 97        | 1.0         | 320       | 25           |
| 10/05/24 02:40 | 20          | 23                       | 43                       | 2                        | 14.6       | 97        | 0.8         | 356       | 26           |
| 10/05/24 02:45 | 19          | 23                       | 42                       | 2                        | 14.6       | 97        | 0.4         | 34        | 32           |
| 10/05/24 02:50 | 18          | 23                       | 40                       | 2                        | 14.6       | 98        | 0.4         | 49        | 29           |
| 10/05/24 02:55 | 15          | 24                       | 39                       | 2                        | 14.4       | 98        | 0.5         | 113       | 18           |
| 10/05/24 03:00 | 11          | 26                       | 37                       | 2                        | 14.5       | 98        | 0.5         | 133       | 26           |
| 10/05/24 03:05 | 13          | 23                       | 37                       | 2                        | 14.6       | 98        | 0.5         | 120       | 32           |
| 10/05/24 03:10 | 14          | 23                       | 36                       | 2                        | 14.7       | 98        | 0.4         | 52        | 52           |
| 10/05/24 03:15 | 13          | 22                       | 36                       | 2                        | 14.7       | 98        | 0.8         | 19        | 8            |
| 10/05/24 03:20 | 13          | 22                       | 36                       | 2                        | 14.6       | 98        | 0.6         | 44        | 22           |
| 10/05/24 03:25 | 13          | 22                       | 35                       | 2                        | 14.6       | 98        | 0.7         | 61        | 13           |
| 10/05/24 03:30 | 12          | 22                       | 34                       | 2                        | 14.6       | 98        | 0.5         | 65        | 13           |
| 10/05/24 03:35 | 11          | 21                       | 32                       | 2                        | 14.6       | 98        | 0.7         | 79        | 15           |
| 10/05/24 03:40 | 9           | 21                       | 30                       | 2                        | 14.6       | 98        | 0.9         | 79        | 16           |
| 10/05/24 03:45 | 4           | 21                       | 26                       | 2                        | 14.5       | 98        | 1.1         | 101       | 13           |
| 10/05/24 03:50 | 2           | 21                       | 23                       | 2                        | 14.6       | 98        | 1.4         | 112       | 7            |
| 10/05/24 03:55 | 2           | 20                       | 22                       | 2                        | 14.5       | 98        | 0.8         | 122       | 18           |
| 10/05/24 04:00 | 1           | 20                       | 22                       | 2                        | 14.5       | 98        | 1.6         | 121       | 12           |
| 10/05/24 04:05 | 1           | 20                       | 22                       | 2                        | 14.5       | 98        | 2.8         | 116       | 6            |
| 10/05/24 04:10 | 2           | 20                       | 22                       | 2                        | 14.5       | 98        | 3.4         | 111       | 5            |
| 10/05/24 04:15 | 2           | 20                       | 22                       | 2                        | 14.7       | 99        | 3.4         | 113       | 6            |
| 10/05/24 04:20 | 2           | 20                       | 22                       | 2                        | 14.7       | 99        | 2.8         | 115       | 10           |
| 10/05/24 04:25 | 3           | 20                       | 23                       | 2                        | 14.7       | 99        | 2.8         | 115       | 10           |
| 10/05/24 04:30 | 3           | 20                       | 23                       | 2                        | 14.7       | 99        | 2.7         | 107       | 17           |
| 10/05/24 04:35 | 4           | 20                       | 24                       | 2                        | 14.7       | 98        | 1.9         | 328       | 31           |
| 10/05/24 04:40 | 5           | 20                       | 25                       | 2                        | 14.6       | 98        | 2.2         | 303       | 15           |
| 10/05/24 04:45 | 5           | 20                       | 26                       | 2                        | 14.5       | 98        | 1.4         | 326       | 30           |
| 10/05/24 04:50 | 5           | 20                       | 26                       | 1                        | 14.5       | 98        | 0.8         | 58        | 25           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 10/05/24 04:55 | 5           | 20                       | 25                       | 1                        | 14.5       | 98        | 0.3         | 81        | 54           |
| 10/05/24 05:00 | 4           | 20                       | 24                       | 1                        | 14.5       | 98        | 0.5         | 6         | 17           |
| 10/05/24 05:05 | 3           | 19                       | 23                       | 1                        | 14.5       | 98        | 0.3         | 60        | 52           |
| 10/05/24 05:10 | 3           | 19                       | 22                       | 2                        | 14.5       | 98        | 0.5         | 83        | 42           |
| 10/05/24 05:15 | 2           | 18                       | 21                       | 2                        | 14.5       | 98        | 0.8         | 37        | 10           |
| 10/05/24 05:20 | 2           | 18                       | 20                       | 1                        | 14.5       | 98        | 0.8         | 13        | 11           |
| 10/05/24 05:25 | 2           | 18                       | 21                       | 2                        | 14.4       | 98        | 1.2         | 20        | 12           |
| 10/05/24 05:30 | 8           | 17                       | 24                       | 2                        | 14.4       | 98        | 1.2         | 358       | 17           |
| 10/05/24 05:35 | 37          | 22                       | 59                       | 2                        | 14.5       | 98        | 0.8         | 333       | 23           |
| 10/05/24 05:40 | 44          | 22                       | 66                       | 2                        | 14.4       | 98        | 1.0         | 341       | 25           |
| 10/05/24 05:45 | 46          | 21                       | 67                       | 2                        | 14.4       | 98        | 0.7         | 322       | 24           |
| 10/05/24 05:50 | 40          | 21                       | 61                       | 2                        | 14.4       | 98        | 1.0         | 311       | 18           |
| 10/05/24 05:55 | 30          | 22                       | 52                       | 2                        | 14.4       | 98        | 1.7         | 308       | 15           |
| 10/05/24 06:00 | 26          | 21                       | 48                       | 2                        | 14.4       | 98        | 1.7         | 306       | 10           |
| 10/05/24 06:05 | 25          | 21                       | 46                       | 2                        | 14.5       | 98        | 1.3         | 318       | 12           |
| 10/05/24 06:10 | 24          | 21                       | 45                       | 2                        | 14.5       | 98        | 1.2         | 323       | 14           |
| 10/05/24 06:15 | 24          | 21                       | 45                       | 2                        | 14.5       | 98        | 0.7         | 349       | 23           |
| 10/05/24 06:20 | 25          | 21                       | 45                       | 2                        | 14.5       | 98        | 0.8         | 309       | 17           |
| 10/05/24 06:25 | 25          | 21                       | 46                       | 2                        | 14.4       | 98        | 1.1         | 322       | 13           |
| 10/05/24 06:30 | 25          | 21                       | 46                       | 2                        | 14.6       | 97        | 0.8         | 324       | 21           |
| 10/05/24 06:35 | 26          | 21                       | 47                       | 2                        | 14.5       | 97        | 0.5         | 304       | 28           |
| 10/05/24 06:40 | 26          | 21                       | 47                       | 2                        | 14.6       | 97        | 0.7         | 307       | 17           |
| 10/05/24 06:45 | 27          | 21                       | 48                       | 2                        | 14.5       | 97        | 0.8         | 312       | 16           |
| 10/05/24 06:50 | 29          | 21                       | 50                       | 2                        | 14.5       | 97        | 0.8         | 322       | 12           |
| 10/05/24 06:55 | 30          | 21                       | 51                       | 2                        | 14.6       | 97        | 0.9         | 333       | 11           |
| 10/05/24 07:00 | 31          | 21                       | 52                       | 2                        | 14.6       | 97        | 0.9         | 351       | 14           |
| 10/05/24 07:05 | 33          | 21                       | 54                       | 2                        | 14.6       | 97        | 0.4         | 312       | 40           |
| 10/05/24 07:10 | 38          | 18                       | 56                       | 2                        | 14.6       | 97        | 0.4         | 296       | 21           |
| 10/05/24 07:15 | 44          | 16                       | 60                       | 2                        | 14.6       | 97        | 0.3         | 198       | 39           |
| 10/05/24 07:20 | 43          | 20                       | 63                       | 2                        | 14.6       | 97        | 0.3         | 172       | 38           |
| 10/05/24 07:25 | 43          | 21                       | 64                       | 2                        | 14.5       | 97        | 0.1         | 29        | 25           |
| 10/05/24 07:30 | 44          | 21                       | 65                       | 2                        | 14.5       | 97        | 0.1         | 292       | 25           |
| 10/05/24 07:35 | 44          | 21                       | 65                       | 2                        | 14.5       | 97        | 0.2         | 236       | 16           |
| 10/05/24 07:40 | 43          | 21                       | 64                       | 2                        | 14.4       | 98        | 0.4         | 239       | 5            |
| 10/05/24 07:45 | 47          | 17                       | 64                       | 2                        | 14.5       | 98        | 0.9         | 208       | 7            |
| 10/05/24 07:50 | 53          | 15                       | 68                       | 2                        | 14.5       | 98        | 1.0         | 187       | 9            |
| 10/05/24 07:55 | 47          | 19                       | 67                       | 2                        | 14.4       | 98        | 0.9         | 192       | 11           |
| 10/05/24 08:00 | 47          | 20                       | 68                       | 2                        | 14.5       | 98        | 1.1         | 213       | 5            |
| 10/05/24 08:05 | 47          | 21                       | 68                       | 2                        | 14.6       | 97        | 1.4         | 199       | 10           |
| 10/05/24 08:10 | 47          | 21                       | 68                       | 2                        | 14.5       | 97        | 0.4         | 179       | 28           |
| 10/05/24 08:15 | 48          | 21                       | 69                       | 2                        | 14.5       | 97        | 0.7         | 174       | 16           |
| 10/05/24 08:20 | 49          | 21                       | 70                       | 2                        | 14.5       | 98        | 1.0         | 190       | 7            |
| 10/05/24 08:25 | 50          | 21                       | 71                       | 2                        | 14.6       | 97        | 0.9         | 194       | 5            |
| 10/05/24 08:30 | 48          | 21                       | 69                       | 2                        | 14.5       | 97        | 0.8         | 204       | 7            |
| 10/05/24 08:35 | 43          | 21                       | 65                       | 2                        | 14.6       | 97        | 1.1         | 217       | 3            |
| 10/05/24 08:40 | 37          | 21                       | 59                       | 2                        | 14.6       | 96        | 1.1         | 224       | 6            |
| 10/05/24 08:45 | 40          | 20                       | 60                       | 2                        | 14.6       | 96        | 1.1         | 240       | 9            |
| 10/05/24 08:50 | 41          | 20                       | 62                       | 2                        | 14.7       | 96        | 0.7         | 273       | 17           |
| 10/05/24 08:55 | 41          | 20                       | 61                       | 2                        | 14.8       | 96        | 0.5         | 282       | 22           |
| 10/05/24 09:00 | 40          | 20                       | 60                       | 2                        | 14.7       | 96        | 0.7         | 288       | 13           |
| 10/05/24 09:05 | 39          | 21                       | 60                       | 2                        | 14.8       | 96        | 1.0         | 263       | 11           |
| 10/05/24 09:10 | 40          | 21                       | 60                       | 2                        | 14.9       | 95        | 1.5         | 267       | 4            |
| 10/05/24 09:15 | 68          | 24                       | 93                       | 2                        | 15.0       | 95        | 1.3         | 272       | 7            |
| 10/05/24 09:20 | 85          | 25                       | 110                      | 2                        | 15.0       | 94        | 1.4         | 262       | 6            |
| 10/05/24 09:25 | 79          | 25                       | 104                      | 2                        | 15.1       | 94        | 1.3         | 268       | 4            |
| 10/05/24 09:30 | 70          | 26                       | 96                       | 2                        | 15.1       | 93        | 0.7         | 244       | 15           |
| 10/05/24 09:35 | 69          | 23                       | 92                       | 2                        | 15.2       | 92        | 1.0         | 214       | 11           |
| 10/05/24 09:40 | 41          | 21                       | 62                       | 2                        | 15.2       | 92        | 1.3         | 226       | 11           |
| 10/05/24 09:45 | 54          | 23                       | 77                       | 2                        | 15.2       | 92        | 1.1         | 233       | 6            |
| 10/05/24 09:50 | 55          | 23                       | 79                       | 2                        | 15.2       | 93        | 0.8         | 221       | 4            |
| 10/05/24 09:55 | 50          | 23                       | 73                       | 2                        | 15.2       | 92        | 1.0         | 216       | 5            |
| 10/05/24 10:00 | 42          | 23                       | 65                       | 2                        | 15.2       | 92        | 0.9         | 210       | 6            |
| 10/05/24 10:05 | 42          | 23                       | 65                       | 2                        | 15.2       | 92        | 1.3         | 197       | 3            |
| 10/05/24 10:10 | 42          | 22                       | 64                       | 2                        | 15.5       | 92        | 1.4         | 199       | 4            |
| 10/05/24 10:15 | 43          | 22                       | 65                       | 2                        | 15.4       | 92        | 2.0         | 195       | 5            |
| 10/05/24 10:20 | 41          | 23                       | 64                       | 2                        | 15.4       | 92        | 1.0         | 179       | 20           |
| 10/05/24 10:25 | 30          | 30                       | 60                       | 2                        | 15.6       | 92        | 0.7         | 169       | 26           |
| 10/05/24 10:30 | 31          | 25                       | 56                       | 2                        | 15.7       | 92        | 0.9         | 169       | 16           |
| 10/05/24 10:35 | 53          | 22                       | 76                       | 2                        | 15.7       | 91        | 1.5         | 182       | 13           |
| 10/05/24 10:40 | 41          | 24                       | 65                       | 2                        | 15.7       | 91        | 1.4         | 182       | 15           |
| 10/05/24 10:45 | 34          | 21                       | 55                       | 2                        | 15.7       | 91        | 1.5         | 193       | 10           |
| 10/05/24 10:50 | 32          | 20                       | 52                       | 2                        | 15.7       | 91        | 0.9         | 189       | 13           |
| 10/05/24 10:55 | 30          | 20                       | 51                       | 2                        | 15.7       | 91        | 0.5         | 172       | 31           |
| 10/05/24 11:00 | 26          | 23                       | 49                       | 2                        | 15.9       | 90        | 0.9         | 163       | 20           |
| 10/05/24 11:05 | 26          | 21                       | 47                       | 2                        | 15.9       | 89        | 0.6         | 146       | 30           |
| 10/05/24 11:10 | 25          | 20                       | 45                       | 2                        | 16.1       | 89        | 0.6         | 161       | 26           |
| 10/05/24 11:15 | 24          | 20                       | 44                       | 2                        | 16.1       | 89        | 1.1         | 196       | 8            |
| 10/05/24 11:20 | 22          | 21                       | 44                       | 2                        | 15.9       | 89        | 0.9         | 200       | 19           |
| 10/05/24 11:25 | 19          | 20                       | 38                       | 2                        | 15.8       | 89        | 1.2         | 215       | 6            |
| 10/05/24 11:30 | 18          | 18                       | 36                       | 2                        | 15.7       | 89        | 0.9         | 212       | 4            |
| 10/05/24 11:35 | 18          | 18                       | 36                       | 2                        | 15.7       | 90        | 1.6         | 214       | 4            |
| 10/05/24 11:40 | 18          | 18                       | 36                       | 2                        | 15.7       | 90        | 2.5         | 214       | 3            |
| 10/05/24 11:45 | 17          | 18                       | 35                       | 2                        | 15.6       | 91        | 2.1         | 196       | 7            |
| 10/05/24 11:50 | 17          | 17                       | 34                       | 2                        | 15.7       | 91        | 1.5         | 190       | 10           |
| 10/05/24 11:55 | 18          | 18                       | 36                       | 2                        | 15.9       | 90        | 1.8         | 197       | 6            |
| 10/05/24 12:00 | 18          | 18                       | 36                       | 2                        | 15.9       | 90        | 1.3         | 188       | 16           |
| 10/05/24 12:05 | 20          | 20                       | 40                       | 2                        | 16.1       | 89        | 0.8         | 178       | 31           |
| 10/05/24 12:10 | 21          | 19                       | 40                       | 2                        | 16.6       | 88        | 0.6         | 165       | 40           |
| 10/05/24 12:15 | 18          | 16                       | 34                       | 2                        | 16.8       | 85        | 0.8         | 151       | 20           |
| 10/05/24 12:20 | 16          | 17                       | 33                       | 2                        | 17.0       | 84        | 0.6         | 162       | 25           |
| 10/05/24 12:25 | 15          | 17                       | 32                       | 2                        | 17.1       | 84        | 0.9         | 181       | 19           |
| 10/05/24 12:30 | 15          | 17                       | 32                       | 2                        | 17.2       | 84        | 0.8         | 171       | 28           |
| 10/05/24 12:35 | 15          | 17                       | 32                       | 2                        | 17.2       | 83        | 1.0         | 165       | 21           |
| 10/05/24 12:40 | 14          | 17                       | 31                       | 2                        | 17.0       | 83        | 1.1         | 187       | 21           |
| 10/05/24 12:45 | 14          | 22                       | 37                       | 2                        | 16.7       | 85        | 1.3         | 184       | 20           |
| 10/05/24 12:50 | 17          | 22                       | 39                       | 2                        | 16.7       | 85        | 1.0         | 171       | 23           |
| 10/05/24 12:55 | 16          | 17                       | 34                       | 2                        | 16.7       | 84        | 1.0         | 166       | 21           |
| 10/05/24 13:00 | 13          | 16                       | 29                       | 2                        | 16.9       | 84        | 1.0         | 166       | 23           |
| 10/05/24 13:05 | 35          | 19                       | 54                       | 2                        | 17.1       | 84        | 1.0         | 167       | 26           |
| 10/05/24 13:10 | 28          | 25                       | 53                       | 2                        | 17.0       | 84        | 1.1         | 186       | 18           |
| 10/05/24 13:15 | 22          | 20                       | 42                       | 2                        | 16.9       | 84        | 1.5         | 193       | 9            |
| 10/05/24 13:20 | 15          | 18                       | 34                       | 2                        | 16.6       | 86        | 1.9         | 201       | 4            |
| 10/05/24 13:25 | 12          | 18                       | 30                       | 2                        | 16.2       | 87        | 1.6         | 193       | 5            |
| 10/05/24 13:30 | 12          | 18                       | 30                       | 2                        | 16.4       | 88        | 1.0         | 181       | 16           |
| 10/05/24 13:35 | 13          | 19                       | 31                       | 2                        | 16.5       | 87        | 1.2         | 184       | 18           |
| 10/05/24 13:40 | 20          | 23                       | 43                       | 2                        | 16.6       | 87        | 1.4         | 194       | 10           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 10/05/24 13:45 | 12          | 19                       | 31                       | 2                        | 16.4       | 87        | 2.1         | 199       | 3            |
| 10/05/24 13:50 | 10          | 18                       | 28                       | 2                        | 16.1       | 88        | 2.1         | 196       | 4            |
| 10/05/24 13:55 | 10          | 19                       | 29                       | 1                        | 16.1       | 89        | 2.0         | 199       | 5            |
| 10/05/24 14:00 | 11          | 18                       | 29                       | 1                        | 16.1       | 89        | 2.3         | 197       | 2            |
| 10/05/24 14:05 | 11          | 18                       | 29                       | 2                        | 16.1       | 89        | 2.0         | 194       | 2            |
| 10/05/24 14:10 | 11          | 18                       | 30                       | 2                        | 16.3       | 88        | 2.2         | 196       | 5            |
| 10/05/24 14:15 | 11          | 18                       | 29                       | 2                        | 16.4       | 88        | 2.0         | 193       | 8            |
| 10/05/24 14:20 | 18          | 17                       | 36                       | 2                        | 16.7       | 87        | 1.2         | 176       | 22           |
| 10/05/24 14:25 | 25          | 19                       | 44                       | 2                        | 17.0       | 85        | 1.4         | 169       | 17           |
| 10/05/24 14:30 | 15          | 19                       | 35                       | 2                        | 16.9       | 84        | 1.2         | 163       | 18           |
| 10/05/24 14:35 | 12          | 19                       | 31                       | 2                        | 16.9       | 84        | 1.6         | 165       | 17           |
| 10/05/24 14:40 | 12          | 20                       | 32                       | 2                        | 16.8       | 85        | 1.0         | 167       | 26           |
| 10/05/24 14:45 | 12          | 20                       | 33                       | 2                        | 16.8       | 84        | 1.4         | 169       | 17           |
| 10/05/24 14:50 | 13          | 21                       | 33                       | 2                        | 16.8       | 85        | 1.4         | 178       | 13           |
| 10/05/24 14:55 | 14          | 21                       | 35                       | 2                        | 16.8       | 85        | 1.7         | 188       | 15           |
| 10/05/24 15:00 | 14          | 22                       | 36                       | 2                        | 16.7       | 86        | 1.2         | 189       | 16           |
| 10/05/24 15:05 | 14          | 23                       | 38                       | 2                        | 16.7       | 87        | 1.5         | 191       | 13           |
| 10/05/24 15:10 | 13          | 17                       | 30                       | 2                        | 16.5       | 88        | 2.0         | 198       | 6            |
| 10/05/24 15:15 | 12          | 18                       | 30                       | 2                        | 16.4       | 88        | 2.1         | 199       | 3            |
| 10/05/24 15:20 | 12          | 18                       | 30                       | 2                        | 16.4       | 89        | 2.1         | 201       | 4            |
| 10/05/24 15:25 | 11          | 19                       | 29                       | 2                        | 16.3       | 90        | 1.9         | 200       | 4            |
| 10/05/24 15:30 | 10          | 19                       | 29                       | 2                        | 16.3       | 90        | 1.8         | 196       | 9            |
| 10/05/24 15:35 | 11          | 19                       | 30                       | 2                        | 16.5       | 89        | 1.3         | 187       | 13           |
| 10/05/24 15:40 | 12          | 21                       | 32                       | 2                        | 16.5       | 88        | 1.5         | 188       | 13           |
| 10/05/24 15:45 | 16          | 25                       | 41                       | 2                        | 16.7       | 88        | 1.5         | 174       | 16           |
| 10/05/24 15:50 | 14          | 24                       | 38                       | 2                        | 16.8       | 88        | 1.7         | 165       | 16           |
| 10/05/24 15:55 | 13          | 23                       | 37                       | 2                        | 16.7       | 88        | 1.1         | 170       | 27           |
| 10/05/24 16:00 | 12          | 23                       | 35                       | 2                        | 16.6       | 88        | 0.8         | 175       | 25           |
| 10/05/24 16:05 | 11          | 23                       | 34                       | 2                        | 16.6       | 89        | 0.8         | 203       | 19           |
| 10/05/24 16:10 | 10          | 23                       | 33                       | 2                        | 16.4       | 90        | 1.3         | 205       | 6            |
| 10/05/24 16:15 | 8           | 22                       | 30                       | 2                        | 16.4       | 90        | 1.3         | 209       | 6            |
| 10/05/24 16:20 | 5           | 22                       | 27                       | 1                        | 16.3       | 90        | 1.3         | 207       | 6            |
| 10/05/24 16:25 | 5           | 21                       | 25                       | 2                        | 16.3       | 91        | 0.9         | 188       | 12           |
| 10/05/24 16:30 | 5           | 21                       | 25                       | 2                        | 16.4       | 92        | 0.8         | 171       | 18           |
| 10/05/24 16:35 | 6           | 21                       | 27                       | 2                        | 16.4       | 91        | 1.0         | 189       | 14           |
| 10/05/24 16:40 | 6           | 22                       | 29                       | 2                        | 16.4       | 91        | 0.7         | 192       | 23           |
| 10/05/24 16:45 | 7           | 22                       | 29                       | 1                        | 16.4       | 92        | 0.7         | 202       | 14           |
| 10/05/24 16:50 | 7           | 22                       | 29                       | 1                        | 16.4       | 92        | 0.9         | 200       | 13           |
| 10/05/24 16:55 | 7           | 22                       | 29                       | 1                        | 16.4       | 92        | 0.4         | 158       | 26           |
| 10/05/24 17:00 | 6           | 22                       | 29                       | 1                        | 16.4       | 92        | 0.5         | 124       | 15           |
| 10/05/24 17:05 | 5           | 22                       | 28                       | 1                        | 16.4       | 93        | 0.6         | 133       | 24           |
| 10/05/24 17:10 | 5           | 22                       | 27                       | 1                        | 16.4       | 93        | 0.9         | 146       | 15           |
| 10/05/24 17:15 | 4           | 21                       | 25                       | 1                        | 16.4       | 93        | 0.5         | 158       | 36           |
| 10/05/24 17:20 | 3           | 21                       | 24                       | 1                        | 16.3       | 93        | 0.7         | 128       | 16           |
| 10/05/24 17:25 | 2           | 20                       | 23                       | 1                        | 16.4       | 94        | 0.6         | 131       | 18           |
| 10/05/24 17:30 | 2           | 20                       | 22                       | 2                        | 16.4       | 94        | 0.5         | 109       | 14           |
| 10/05/24 17:35 | 2           | 19                       | 21                       | 2                        | 16.4       | 95        | 0.9         | 108       | 10           |
| 10/05/24 17:40 | 1           | 19                       | 20                       | 2                        | 16.4       | 95        | 1.0         | 95        | 9            |
| 10/05/24 17:45 | 1           | 18                       | 19                       | 2                        | 16.4       | 95        | 0.9         | 95        | 12           |
| 10/05/24 17:50 | 1           | 18                       | 19                       | 2                        | 16.5       | 96        | 1.2         | 104       | 9            |
| 10/05/24 17:55 | 3           | 22                       | 25                       | 2                        | 16.4       | 95        | 1.4         | 95        | 9            |
| 10/05/24 18:00 | 16          | 19                       | 35                       | 2                        | 16.5       | 94        | 1.9         | 98        | 7            |
| 10/05/24 18:05 | 18          | 19                       | 37                       | 2                        | 16.5       | 94        | 1.6         | 107       | 5            |
| 10/05/24 18:10 | 20          | 19                       | 39                       | 2                        | 16.6       | 94        | 1.3         | 112       | 7            |
| 10/05/24 18:15 | 20          | 20                       | 40                       | 2                        | 16.7       | 94        | 1.3         | 115       | 7            |
| 10/05/24 18:20 | 21          | 20                       | 41                       | 2                        | 16.6       | 94        | 0.9         | 112       | 8            |
| 10/05/24 18:25 | 21          | 20                       | 41                       | 2                        | 16.6       | 94        | 0.4         | 136       | 25           |
| 10/05/24 18:30 | 21          | 20                       | 41                       | 1                        | 16.6       | 94        | 0.0         | 178       | 79           |
| 10/05/24 18:35 | 22          | 19                       | 41                       | 1                        | 16.4       | 94        | 0.1         | 115       | 55           |
| 10/05/24 18:40 | 22          | 19                       | 40                       | 1                        | 16.4       | 95        | 0.6         | 153       | 14           |
| 10/05/24 18:45 | 21          | 18                       | 39                       | 1                        | 16.4       | 95        | 0.6         | 188       | 25           |
| 10/05/24 18:50 | 19          | 16                       | 34                       | 1                        | 16.4       | 95        | 0.9         | 191       | 18           |
| 10/05/24 18:55 | 15          | 13                       | 27                       | 1                        | 16.4       | 95        | 1.1         | 186       | 16           |
| 10/05/24 19:00 | 12          | 14                       | 26                       | 2                        | 16.4       | 95        | 1.4         | 187       | 12           |
| 10/05/24 19:05 | 12          | 15                       | 26                       | 2                        | 16.5       | 95        | 1.5         | 181       | 16           |
| 10/05/24 19:10 | 12          | 15                       | 27                       | 2                        | 16.4       | 95        | 1.4         | 179       | 18           |
| 10/05/24 19:15 | 12          | 15                       | 27                       | 2                        | 16.4       | 95        | 1.3         | 171       | 28           |
| 10/05/24 19:20 | 11          | 16                       | 26                       | 2                        | 16.4       | 95        | 0.9         | 176       | 38           |
| 10/05/24 19:25 | 8           | 17                       | 25                       | 2                        | 16.3       | 95        | 1.0         | 166       | 37           |
| 10/05/24 19:30 | 8           | 17                       | 25                       | 2                        | 16.3       | 94        | 1.5         | 172       | 24           |
| 10/05/24 19:35 | 8           | 17                       | 25                       | 2                        | 16.2       | 93        | 1.6         | 164       | 25           |
| 10/05/24 19:40 | 6           | 17                       | 23                       | 2                        | 16.1       | 93        | 1.6         | 179       | 18           |
| 10/05/24 19:45 | 1           | 16                       | 18                       | 1                        | 16.1       | 92        | 2.0         | 175       | 18           |
| 10/05/24 19:50 | 1           | 14                       | 14                       | 1                        | 16.2       | 91        | 1.3         | 165       | 30           |
| 10/05/24 19:55 | 1           | 14                       | 15                       | 1                        | 16.2       | 91        | 1.4         | 153       | 28           |
| 10/05/24 20:00 | 1           | 14                       | 15                       | 1                        | 16.2       | 90        | 1.9         | 144       | 19           |
| 10/05/24 20:05 | 1           | 15                       | 16                       | 1                        | 16.2       | 89        | 2.4         | 138       | 11           |
| 10/05/24 20:10 | 1           | 15                       | 16                       | 1                        | 16.2       | 89        | 2.2         | 137       | 16           |
| 10/05/24 20:15 | 1           | 15                       | 16                       | 2                        | 16.1       | 89        | 1.9         | 132       | 13           |
| 10/05/24 20:20 | 1           | 15                       | 16                       | 1                        | 16.1       | 89        | 2.0         | 129       | 21           |
| 10/05/24 20:25 | 1           | 15                       | 16                       | 2                        | 16.1       | 89        | 2.1         | 123       | 13           |
| 10/05/24 20:30 | 1           | 15                       | 15                       | 2                        | 16.1       | 90        | 1.9         | 120       | 14           |
| 10/05/24 20:35 | 1           | 14                       | 15                       | 1                        | 16.1       | 90        | 2.9         | 113       | 7            |
| 10/05/24 20:40 | 1           | 13                       | 14                       | 2                        | 16.0       | 90        | 2.8         | 109       | 6            |
| 10/05/24 20:45 | 1           | 13                       | 14                       | 2                        | 16.0       | 91        | 2.5         | 113       | 8            |
| 10/05/24 20:50 | 1           | 13                       | 13                       | 1                        | 15.9       | 91        | 2.6         | 106       | 7            |
| 10/05/24 20:55 | 1           | 13                       | 13                       | 1                        | 15.9       | 91        | 2.4         | 108       | 7            |
| 10/05/24 21:00 | 1           | 12                       | 13                       | 1                        | 15.9       | 91        | 1.9         | 110       | 9            |
| 10/05/24 21:05 | 1           | 12                       | 13                       | 2                        | 15.8       | 91        | 2.0         | 111       | 12           |
| 10/05/24 21:10 | 1           | 12                       | 12                       | 1                        | 15.8       | 91        | 2.4         | 109       | 9            |
| 10/05/24 21:15 | 1           | 11                       | 12                       | 1                        | 15.8       | 91        | 2.0         | 107       | 10           |
| 10/05/24 21:20 | 1           | 11                       | 12                       | 1                        | 15.8       | 91        | 2.3         | 109       | 12           |
| 10/05/24 21:25 | 0           | 11                       | 11                       | 2                        | 15.9       | 90        | 2.3         | 105       | 10           |
| 10/05/24 21:30 | 0           | 11                       | 11                       | 2                        | 15.9       | 90        | 2.0         | 100       | 12           |
| 10/05/24 21:35 | 0           | 11                       | 11                       | 2                        | 15.9       | 91        | 2.0         | 107       | 10           |
| 10/05/24 21:40 | 0           | 11                       | 11                       | 2                        | 15.9       | 91        | 1.3         | 98        | 12           |
| 10/05/24 21:45 | 0           | 11                       | 11                       | 2                        | 15.8       | 91        | 1.2         | 103       | 13           |
| 10/05/24 21:50 | 0           | 11                       | 11                       | 1                        | 15.8       | 91        | 1.4         | 96        | 13           |
| 10/05/24 21:55 | 0           | 11                       | 12                       | 1                        | 15.9       | 91        | 1.4         | 88        | 12           |
| 10/05/24 22:00 | 1           | 12                       | 12                       | 1                        | 15.9       | 91        | 1.4         | 76        | 14           |
| 10/05/24 22:05 | 1           | 12                       | 13                       | 2                        | 15.8       | 91        | 1.1         | 51        | 16           |
| 10/05/24 22:10 | 1           | 12                       | 14                       | 2                        | 15.8       | 91        | 0.9         | 56        | 16           |
| 10/05/24 22:15 | 1           | 13                       | 14                       | 2                        | 15.8       | 91        | 0.8         | 65        | 25           |
| 10/05/24 22:20 | 1           | 13                       | 14                       | 2                        | 15.8       | 91        | 1.0         | 44        | 18           |
| 10/05/24 22:25 | 1           | 13                       | 15                       | 1                        | 15.9       | 91        | 0.9         | 63        | 15           |
| 10/05/24 22:30 | 1           | 14                       | 15                       | 1                        | 15.7       | 91        | 1.0         | 59        | 12           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 10/05/24 22:35 | 2           | 14                       | 15                       | 1                        | 15.8       | 91        | 1.0         | 47        | 16           |
| 10/05/24 22:40 | 2           | 14                       | 16                       | 1                        | 15.8       | 91        | 0.9         | 42        | 13           |
| 10/05/24 22:45 | 2           | 14                       | 16                       | 1                        | 15.7       | 92        | 1.2         | 41        | 7            |
| 10/05/24 22:50 | 4           | 14                       | 18                       | 1                        | 15.8       | 92        | 1.5         | 42        | 8            |
| 10/05/24 22:55 | 9           | 14                       | 23                       | 1                        | 15.7       | 92        | 1.4         | 47        | 10           |
| 10/05/24 23:00 | 4           | 14                       | 18                       | 2                        | 15.7       | 92        | 1.4         | 71        | 9            |
| 10/05/24 23:05 | 4           | 14                       | 18                       | 2                        | 15.7       | 92        | 1.1         | 81        | 15           |
| 10/05/24 23:10 | 4           | 14                       | 18                       | 2                        | 15.7       | 92        | 0.8         | 71        | 16           |
| 10/05/24 23:15 | 4           | 14                       | 17                       | 2                        | 15.8       | 92        | 0.7         | 64        | 11           |
| 10/05/24 23:20 | 4           | 14                       | 17                       | 2                        | 15.7       | 92        | 0.8         | 71        | 10           |
| 10/05/24 23:25 | 3           | 14                       | 17                       | 2                        | 15.6       | 92        | 0.5         | 75        | 11           |
| 10/05/24 23:30 | 3           | 14                       | 17                       | 2                        | 15.6       | 92        | 0.7         | 104       | 12           |
| 10/05/24 23:35 | 3           | 14                       | 17                       | 2                        | 15.5       | 92        | 0.4         | 129       | 36           |
| 10/05/24 23:40 | 3           | 13                       | 16                       | 2                        | 15.5       | 93        | 0.2         | 200       | 52           |
| 10/05/24 23:45 | 3           | 13                       | 16                       | 2                        | 15.5       | 94        | 0.8         | 199       | 11           |
| 10/05/24 23:50 | 2           | 13                       | 15                       |                          | 15.5       | 94        | 0.6         | 200       | 10           |
| 10/05/24 23:55 | 2           | 13                       | 15                       |                          | 15.6       | 94        | 0.5         | 168       | 25           |
| 11/05/24 00:00 | 1           | 13                       | 14                       | 2                        | 15.5       | 94        | 0.3         | 124       | 20           |
| 11/05/24 00:05 | 2           | 12                       | 14                       | 1                        | 15.4       | 94        | 0.6         | 119       | 14           |
| 11/05/24 00:10 | 2           | 12                       | 14                       | 1                        | 15.5       | 95        | 0.7         | 134       | 20           |
| 11/05/24 00:15 | 2           | 12                       | 14                       | 1                        | 15.4       | 95        | 1.4         | 139       | 9            |
| 11/05/24 00:20 | 1           | 12                       | 13                       | 1                        | 15.5       | 94        | 1.1         | 142       | 16           |
| 11/05/24 00:25 | 1           | 12                       | 13                       | 1                        | 15.6       | 94        | 1.2         | 146       | 12           |
| 11/05/24 00:30 | 1           | 12                       | 12                       | 1                        | 15.6       | 94        | 1.3         | 141       | 13           |
| 11/05/24 00:35 | 0           | 12                       | 12                       | 1                        | 15.6       | 94        | 0.9         | 123       | 18           |
| 11/05/24 00:40 | 0           | 11                       | 12                       | 1                        | 15.7       | 94        | 0.6         | 97        | 20           |
| 11/05/24 00:45 | 2           | 11                       | 13                       | 1                        | 15.5       | 94        | 0.5         | 94        | 22           |
| 11/05/24 00:50 | 2           | 12                       | 13                       | 1                        | 15.4       | 94        | 0.4         | 63        | 29           |
| 11/05/24 00:55 | 1           | 12                       | 13                       | 1                        | 15.4       | 94        | 0.4         | 32        | 16           |
| 11/05/24 01:00 | 1           | 12                       | 13                       | 1                        | 15.3       | 94        | 0.4         | 17        | 14           |
| 11/05/24 01:05 |             |                          |                          |                          | 15.3       | 94        | 0.5         | 349       | 12           |
| 11/05/24 01:10 |             |                          |                          |                          | 15.3       | 94        | 0.7         | 335       | 9            |
| 11/05/24 01:15 |             |                          |                          |                          | 15.3       | 94        | 0.3         | 355       | 20           |
| 11/05/24 01:20 |             |                          |                          |                          | 15.2       | 94        | 0.4         | 295       | 14           |
| 11/05/24 01:25 |             |                          |                          |                          | 15.3       | 94        | 0.5         | 263       | 18           |
| 11/05/24 01:30 |             |                          |                          |                          | 15.3       | 95        | 0.8         | 260       | 4            |
| 11/05/24 01:35 |             |                          |                          |                          | 15.4       | 95        | 0.8         | 279       | 12           |
| 11/05/24 01:40 |             |                          |                          |                          | 15.4       | 95        | 0.6         | 273       | 15           |
| 11/05/24 01:45 |             |                          |                          |                          | 15.3       | 95        | 0.6         | 351       | 29           |
| 11/05/24 01:50 |             |                          |                          |                          | 15.2       | 95        | 1.3         | 356       | 10           |
| 11/05/24 01:55 |             |                          |                          |                          | 15.2       | 95        | 1.2         | 332       | 9            |
| 11/05/24 02:00 |             |                          |                          |                          | 15.1       | 95        | 1.3         | 338       | 12           |
| 11/05/24 02:05 | 18          | 16                       | 35                       | 1                        | 15.2       | 95        | 1.3         | 324       | 13           |
| 11/05/24 02:10 | 19          | 16                       | 35                       | 2                        | 15.2       | 95        | 0.6         | 351       | 24           |
| 11/05/24 02:15 | 20          | 15                       | 35                       | 1                        | 15.2       | 95        | 0.6         | 329       | 24           |
| 11/05/24 02:20 | 21          | 15                       | 36                       | 1                        | 15.1       | 95        | 1.1         | 357       | 18           |
| 11/05/24 02:25 | 26          | 13                       | 38                       | 1                        | 15.1       | 95        | 1.0         | 348       | 13           |
| 11/05/24 02:30 | 38          | 12                       | 50                       | 1                        | 15.1       | 95        | 1.0         | 346       | 17           |
| 11/05/24 02:35 | 41          | 16                       | 56                       | 1                        | 15.0       | 95        | 1.0         | 352       | 15           |
| 11/05/24 02:40 | 45          | 14                       | 58                       | 1                        | 15.1       | 96        | 1.2         | 0         | 14           |
| 11/05/24 02:45 | 52          | 12                       | 63                       | 1                        | 15.0       | 96        | 1.2         | 2         | 17           |
| 11/05/24 02:50 | 55          | 14                       | 69                       | 1                        | 14.9       | 96        | 1.2         | 4         | 6            |
| 11/05/24 02:55 | 60          | 15                       | 76                       | 2                        | 14.9       | 96        | 1.3         | 6         | 5            |
| 11/05/24 03:00 | 66          | 15                       | 81                       | 2                        | 14.9       | 96        | 1.3         | 358       | 6            |
| 11/05/24 03:05 | 68          | 15                       | 83                       | 2                        | 14.9       | 97        | 0.9         | 13        | 12           |
| 11/05/24 03:10 | 69          | 16                       | 84                       | 2                        | 14.8       | 97        | 0.6         | 18        | 10           |
| 11/05/24 03:15 | 69          | 16                       | 85                       | 2                        | 14.8       | 97        | 0.7         | 19        | 6            |
| 11/05/24 03:20 | 70          | 16                       | 86                       | 2                        | 14.8       | 97        | 0.5         | 4         | 15           |
| 11/05/24 03:25 | 71          | 16                       | 87                       | 2                        | 14.9       | 97        | 0.6         | 9         | 6            |
| 11/05/24 03:30 | 71          | 16                       | 87                       | 2                        | 14.7       | 97        | 0.5         | 18        | 9            |
| 11/05/24 03:35 | 72          | 16                       | 87                       | 2                        | 14.7       | 97        | 0.4         | 49        | 16           |
| 11/05/24 03:40 | 72          | 16                       | 88                       | 2                        | 14.7       | 97        | 0.4         | 84        | 14           |
| 11/05/24 03:45 | 73          | 16                       | 88                       | 2                        | 14.7       | 97        | 0.4         | 117       | 26           |
| 11/05/24 03:50 | 73          | 15                       | 88                       | 2                        | 14.7       | 98        | 0.6         | 170       | 21           |
| 11/05/24 03:55 | 71          | 16                       | 86                       | 2                        | 14.7       | 98        | 0.6         | 109       | 20           |
| 11/05/24 04:00 | 69          | 16                       | 85                       | 2                        | 14.9       | 98        | 0.5         | 52        | 27           |
| 11/05/24 04:05 | 68          | 16                       | 84                       | 2                        | 14.8       | 98        | 0.6         | 54        | 11           |
| 11/05/24 04:10 | 67          | 16                       | 83                       | 2                        | 14.9       | 98        | 0.8         | 26        | 17           |
| 11/05/24 04:15 | 66          | 15                       | 82                       | 2                        | 14.8       | 98        | 1.0         | 17        | 11           |
| 11/05/24 04:20 | 66          | 15                       | 81                       | 2                        | 14.7       | 98        | 0.9         | 49        | 8            |
| 11/05/24 04:25 | 65          | 14                       | 80                       | 2                        | 14.7       | 98        | 0.9         | 46        | 10           |
| 11/05/24 04:30 | 65          | 14                       | 80                       | 2                        | 14.7       | 98        | 0.7         | 45        | 12           |
| 11/05/24 04:35 | 64          | 15                       | 78                       | 2                        | 14.7       | 98        | 0.7         | 67        | 12           |
| 11/05/24 04:40 | 56          | 16                       | 72                       | 2                        | 14.7       | 98        | 1.1         | 78        | 14           |
| 11/05/24 04:45 | 35          | 16                       | 52                       | 2                        | 14.7       | 98        | 1.0         | 85        | 16           |
| 11/05/24 04:50 | 30          | 15                       | 45                       | 2                        | 14.8       | 97        | 0.9         | 66        | 14           |
| 11/05/24 04:55 | 21          | 16                       | 37                       | 2                        | 14.8       | 97        | 1.0         | 47        | 18           |
| 11/05/24 05:00 | 17          | 14                       | 32                       | 2                        | 14.8       | 97        | 1.2         | 51        | 11           |
| 11/05/24 05:05 | 15          | 14                       | 30                       | 1                        | 14.8       | 97        | 1.1         | 53        | 11           |
| 11/05/24 05:10 | 15          | 15                       | 30                       | 1                        | 14.8       | 96        | 0.9         | 68        | 11           |
| 11/05/24 05:15 | 14          | 15                       | 29                       | 2                        | 14.8       | 96        | 1.0         | 80        | 16           |
| 11/05/24 05:20 | 9           | 16                       | 25                       | 2                        | 14.7       | 96        | 1.1         | 84        | 13           |
| 11/05/24 05:25 | 4           | 15                       | 19                       | 2                        | 14.8       | 96        | 1.3         | 91        | 11           |
| 11/05/24 05:30 | 3           | 14                       | 17                       | 2                        | 14.7       | 96        | 1.5         | 93        | 15           |
| 11/05/24 05:35 | 3           | 13                       | 16                       | 2                        | 14.8       | 96        | 1.6         | 95        | 7            |
| 11/05/24 05:40 | 3           | 13                       | 16                       | 2                        | 14.8       | 95        | 1.1         | 94        | 9            |
| 11/05/24 05:45 | 2           | 13                       | 16                       | 2                        | 14.8       | 96        | 1.0         | 104       | 11           |
| 11/05/24 05:50 | 2           | 13                       | 15                       | 2                        | 14.8       | 96        | 0.9         | 105       | 13           |
| 11/05/24 05:55 | 2           | 13                       | 14                       | 2                        | 14.8       | 96        | 1.3         | 112       | 11           |
| 11/05/24 06:00 | 1           | 12                       | 14                       | 2                        | 14.8       | 96        | 1.6         | 108       | 7            |
| 11/05/24 06:05 | 1           | 12                       | 13                       | 2                        | 14.8       | 96        | 1.7         | 109       | 6            |
| 11/05/24 06:10 | 1           | 12                       | 13                       | 2                        | 14.7       | 95        | 1.7         | 106       | 6            |
| 11/05/24 06:15 | 1           | 12                       | 13                       | 2                        | 14.8       | 95        | 1.3         | 108       | 9            |
| 11/05/24 06:20 | 1           | 11                       | 12                       | 2                        | 14.7       | 95        | 1.4         | 107       | 8            |
| 11/05/24 06:25 | 1           | 11                       | 12                       | 2                        | 14.6       | 95        | 1.2         | 99        | 10           |
| 11/05/24 06:30 | 1           | 11                       | 11                       | 1                        | 14.6       | 95        | 1.0         | 100       | 13           |
| 11/05/24 06:35 | 1           | 10                       | 11                       | 1                        | 14.6       | 95        | 0.7         | 123       | 18           |
| 11/05/24 06:40 | 1           | 10                       | 11                       | 1                        | 14.5       | 95        | 0.6         | 128       | 14           |
| 11/05/24 06:45 | 0           | 10                       | 11                       | 1                        | 14.4       | 96        | 0.9         | 118       | 9            |
| 11/05/24 06:50 | 0           | 11                       | 11                       | 1                        | 14.4       | 96        | 0.9         | 120       | 9            |
| 11/05/24 06:55 | 0           | 11                       | 11                       | 1                        | 14.4       | 96        | 0.8         | 122       | 12           |
| 11/05/24 07:00 | 0           | 11                       | 11                       | 1                        | 14.4       | 96        | 1.1         | 114       | 11           |
| 11/05/24 07:05 | 0           | 10                       | 11                       | 1                        | 14.4       | 96        | 1.2         | 103       | 12           |
| 11/05/24 07:10 | 0           | 11                       | 11                       | 1                        | 14.4       | 95        | 1.1         | 85        | 15           |
| 11/05/24 07:15 | 0           | 10                       | 11                       | 1                        | 14.3       | 94        | 1.6         | 90        | 11           |
| 11/05/24 07:20 | 0           | 10                       | 11                       | 1                        | 14.5       | 93        | 1.6         | 88        | 8            |

Station Pier Ambient Air Quality Monitoring  
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| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 11/05/24 07:25 | 1           | 10                       | 11                       | 1                        | 14.7       | 92        | 1.6         | 86        | 13           |
| 11/05/24 07:30 | 1           | 11                       | 11                       | 1                        | 14.7       | 92        | 1.6         | 88        | 11           |
| 11/05/24 07:35 | 1           | 11                       | 12                       | 2                        | 14.6       | 91        | 1.4         | 86        | 11           |
| 11/05/24 07:40 | 1           | 11                       | 12                       | 2                        | 14.6       | 91        | 1.2         | 83        | 13           |
| 11/05/24 07:45 | 2           | 11                       | 13                       | 1                        | 14.8       | 91        | 0.8         | 79        | 14           |
| 11/05/24 07:50 | 2           | 12                       | 14                       | 1                        | 14.7       | 92        | 0.7         | 93        | 17           |
| 11/05/24 07:55 | 2           | 12                       | 14                       | 1                        | 14.6       | 92        | 0.5         | 107       | 21           |
| 11/05/24 08:00 | 2           | 12                       | 14                       | 2                        | 14.6       | 92        | 0.7         | 120       | 16           |
| 11/05/24 08:05 | 2           | 12                       | 13                       | 2                        | 14.6       | 92        | 0.9         | 120       | 12           |
| 11/05/24 08:10 | 2           | 11                       | 13                       | 2                        | 14.8       | 92        | 1.2         | 119       | 11           |
| 11/05/24 08:15 | 1           | 11                       | 12                       | 1                        | 14.8       | 91        | 1.6         | 113       | 7            |
| 11/05/24 08:20 | 1           | 10                       | 12                       | 1                        | 14.9       | 91        | 1.3         | 106       | 9            |
| 11/05/24 08:25 | 2           | 10                       | 12                       | 1                        | 14.9       | 90        | 1.4         | 104       | 8            |
| 11/05/24 08:30 | 2           | 10                       | 13                       | 1                        | 14.9       | 90        | 1.2         | 105       | 8            |
| 11/05/24 08:35 | 3           | 11                       | 14                       | 1                        | 15.0       | 90        | 0.9         | 105       | 14           |
| 11/05/24 08:40 | 3           | 12                       | 15                       | 1                        | 15.1       | 90        | 1.1         | 118       | 12           |
| 11/05/24 08:45 | 3           | 12                       | 15                       | 1                        | 15.2       | 89        | 1.1         | 119       | 12           |
| 11/05/24 08:50 | 3           | 11                       | 14                       | 1                        | 15.3       | 89        | 1.4         | 111       | 9            |
| 11/05/24 08:55 | 3           | 11                       | 14                       | 1                        | 15.4       | 88        | 1.3         | 112       | 11           |
| 11/05/24 09:00 | 3           | 9                        | 12                       | 1                        | 15.6       | 87        | 1.3         | 105       | 13           |
| 11/05/24 09:05 | 4           | 10                       | 14                       | 1                        | 15.8       | 86        | 1.7         | 107       | 14           |
| 11/05/24 09:10 | 4           | 11                       | 15                       | 2                        | 15.9       | 85        | 1.1         | 91        | 25           |
| 11/05/24 09:15 | 4           | 10                       | 15                       | 2                        | 16.1       | 83        | 1.5         | 88        | 14           |
| 11/05/24 09:20 | 4           | 10                       | 15                       | 1                        | 16.3       | 82        | 1.8         | 91        | 18           |
| 11/05/24 09:25 | 4           | 10                       | 14                       | 1                        | 16.6       | 80        | 2.3         | 98        | 17           |
| 11/05/24 09:30 | 4           | 9                        | 13                       | 2                        | 16.7       | 80        | 1.6         | 106       | 12           |
| 11/05/24 09:35 | 4           | 8                        | 12                       | 2                        | 16.8       | 78        | 2.2         | 92        | 14           |
| 11/05/24 09:40 | 3           | 8                        | 11                       | 1                        | 16.8       | 79        | 1.8         | 102       | 12           |
| 11/05/24 09:45 | 3           | 7                        | 11                       | 1                        | 16.9       | 78        | 1.8         | 98        | 13           |
| 11/05/24 09:50 | 3           | 7                        | 11                       | 2                        | 17.1       | 78        | 1.8         | 101       | 12           |
| 11/05/24 09:55 | 3           | 8                        | 11                       | 1                        | 17.2       | 77        | 1.8         | 97        | 14           |
| 11/05/24 10:00 | 3           | 7                        | 10                       | 1                        | 17.2       | 76        | 1.5         | 100       | 14           |
| 11/05/24 10:05 | 3           | 7                        | 10                       | 1                        | 17.3       | 75        | 2.2         | 84        | 18           |
| 11/05/24 10:10 | 3           | 7                        | 10                       | 1                        | 17.3       | 75        | 1.9         | 101       | 19           |
| 11/05/24 10:15 | 3           | 7                        | 10                       | 2                        | 17.4       | 75        | 2.3         | 79        | 17           |
| 11/05/24 10:20 | 3           | 7                        | 10                       | 1                        | 17.5       | 74        | 2.4         | 88        | 13           |
| 11/05/24 10:25 | 3           | 7                        | 9                        | 1                        | 17.7       | 74        | 2.4         | 99        | 12           |
| 11/05/24 10:30 | 3           | 6                        | 9                        | 1                        | 17.6       | 73        | 2.6         | 86        | 14           |
| 11/05/24 10:35 | 2           | 6                        | 8                        | 1                        | 17.8       | 72        | 2.7         | 92        | 15           |
| 11/05/24 10:40 | 3           | 6                        | 8                        | 1                        | 17.8       | 71        | 2.6         | 69        | 13           |
| 11/05/24 10:45 | 2           | 5                        | 8                        | 1                        | 17.9       | 71        | 3.0         | 86        | 19           |
| 11/05/24 10:50 | 2           | 5                        | 7                        | 1                        | 18.0       | 70        | 2.5         | 83        | 10           |
| 11/05/24 10:55 | 2           | 5                        | 7                        | 1                        | 18.0       | 70        | 1.9         | 78        | 15           |
| 11/05/24 11:00 | 2           | 5                        | 7                        | 1                        | 18.3       | 69        | 2.9         | 85        | 14           |
| 11/05/24 11:05 | 2           | 5                        | 7                        | 1                        | 18.2       | 68        | 3.4         | 72        | 14           |
| 11/05/24 11:10 | 2           | 5                        | 7                        | 2                        | 18.1       | 69        | 2.7         | 77        | 16           |
| 11/05/24 11:15 | 2           | 5                        | 7                        | 2                        | 18.1       | 69        | 2.6         | 71        | 17           |
| 11/05/24 11:20 | 2           | 5                        | 7                        | 1                        | 18.2       | 68        | 2.8         | 89        | 16           |
| 11/05/24 11:25 | 2           | 5                        | 7                        | 1                        | 18.4       | 69        | 2.3         | 95        | 20           |
| 11/05/24 11:30 | 2           | 5                        | 7                        | 2                        | 18.5       | 67        | 4.1         | 99        | 8            |
| 11/05/24 11:35 | 2           | 5                        | 7                        | 1                        | 18.6       | 67        | 3.6         | 103       | 7            |
| 11/05/24 11:40 | 2           | 5                        | 7                        | 1                        | 18.8       | 66        | 3.4         | 105       | 9            |
| 11/05/24 11:45 | 2           | 5                        | 6                        | 1                        | 19.0       | 64        | 3.7         | 107       | 9            |
| 11/05/24 11:50 | 2           | 4                        | 6                        | 1                        | 19.2       | 62        | 2.7         | 115       | 15           |
| 11/05/24 11:55 | 2           | 4                        | 6                        | 1                        | 19.6       | 63        | 2.2         | 123       | 17           |
| 11/05/24 12:00 | 1           | 4                        | 5                        | 1                        | 19.7       | 62        | 2.1         | 119       | 20           |
| 11/05/24 12:05 | 1           | 4                        | 5                        | 2                        | 19.7       | 64        | 1.6         | 120       | 24           |
| 11/05/24 12:10 | 1           | 3                        | 5                        | 2                        | 19.5       | 64        | 2.3         | 111       | 15           |
| 11/05/24 12:15 | 1           | 3                        | 5                        | 2                        | 19.4       | 62        | 2.4         | 125       | 15           |
| 11/05/24 12:20 | 1           | 3                        | 4                        | 2                        | 19.4       | 63        | 2.5         | 103       | 15           |
| 11/05/24 12:25 | 1           | 4                        | 5                        | 2                        | 19.5       | 64        | 2.1         | 111       | 12           |
| 11/05/24 12:30 | 1           | 3                        | 5                        | 2                        | 19.3       | 65        | 2.4         | 112       | 14           |
| 11/05/24 12:35 | 1           | 3                        | 4                        | 2                        | 19.3       | 65        | 1.4         | 116       | 18           |
| 11/05/24 12:40 | 1           | 3                        | 4                        | 1                        | 19.3       | 65        | 3.0         | 106       | 6            |
| 11/05/24 12:45 | 1           | 3                        | 4                        | 1                        | 19.3       | 66        | 2.3         | 103       | 12           |
| 11/05/24 12:50 | 1           | 3                        | 4                        | 1                        | 19.4       | 63        | 3.2         | 99        | 8            |
| 11/05/24 12:55 | 1           | 3                        | 4                        | 1                        | 19.4       | 63        | 1.9         | 113       | 27           |
| 11/05/24 13:00 | 1           | 3                        | 4                        | 1                        | 19.5       | 64        | 1.8         | 118       | 18           |
| 11/05/24 13:05 | 1           | 3                        | 4                        | 1                        | 19.5       | 65        | 2.3         | 123       | 21           |
| 11/05/24 13:10 | 1           | 3                        | 5                        | 1                        | 19.5       | 64        | 4.0         | 102       | 8            |
| 11/05/24 13:15 | 1           | 3                        | 5                        | 1                        | 19.5       | 63        | 2.8         | 109       | 12           |
| 11/05/24 13:20 | 1           | 3                        | 5                        | 1                        | 19.8       | 62        | 3.8         | 103       | 8            |
| 11/05/24 13:25 | 1           | 3                        | 5                        | 1                        | 19.8       | 61        | 4.8         | 100       | 7            |
| 11/05/24 13:30 | 2           | 3                        | 5                        | 1                        | 19.6       | 61        | 5.4         | 97        | 8            |
| 11/05/24 13:35 | 1           | 3                        | 5                        | 1                        | 19.6       | 61        | 4.0         | 99        | 10           |
| 11/05/24 13:40 | 1           | 3                        | 5                        | 1                        | 19.5       | 62        | 5.0         | 105       | 8            |
| 11/05/24 13:45 | 1           | 3                        | 5                        | 1                        | 19.4       | 64        | 4.8         | 109       | 5            |
| 11/05/24 13:50 | 1           | 3                        | 4                        | 1                        | 19.4       | 62        | 5.3         | 104       | 7            |
| 11/05/24 13:55 | 1           | 3                        | 4                        | 1                        | 19.4       | 62        | 4.5         | 111       | 7            |
| 11/05/24 14:00 | 1           | 3                        | 4                        | 1                        | 19.3       | 63        | 5.8         | 112       | 5            |
| 11/05/24 14:05 | 1           | 3                        | 4                        | 1                        | 19.1       | 62        | 6.4         | 107       | 5            |
| 11/05/24 14:10 | 1           | 3                        | 4                        | 1                        | 19.2       | 62        | 6.5         | 107       | 5            |
| 11/05/24 14:15 | 1           | 3                        | 4                        | 1                        | 19.1       | 62        | 5.6         | 105       | 6            |
| 11/05/24 14:20 | 1           | 3                        | 4                        | 1                        | 19.3       | 62        | 5.5         | 108       | 6            |
| 11/05/24 14:25 | 1           | 3                        | 4                        | 1                        | 19.1       | 63        | 4.9         | 109       | 6            |
| 11/05/24 14:30 | 1           | 3                        | 4                        | 1                        | 19.1       | 63        | 5.7         | 111       | 7            |
| 11/05/24 14:35 | 1           | 3                        | 4                        | 1                        | 19.0       | 64        | 6.1         | 107       | 6            |
| 11/05/24 14:40 | 1           | 3                        | 4                        | 1                        | 19.0       | 63        | 5.9         | 108       | 7            |
| 11/05/24 14:45 | 1           | 3                        | 4                        | 2                        | 19.0       | 63        | 4.9         | 112       | 7            |
| 11/05/24 14:50 | 1           | 3                        | 4                        | 2                        | 19.0       | 62        | 4.2         | 102       | 11           |
| 11/05/24 14:55 | 1           | 3                        | 4                        | 2                        | 19.1       | 60        | 5.1         | 99        | 7            |
| 11/05/24 15:00 | 1           | 3                        | 4                        | 2                        | 19.0       | 62        | 5.4         | 106       | 7            |
| 11/05/24 15:05 | 1           | 3                        | 4                        | 2                        | 19.0       | 60        | 6.3         | 100       | 9            |
| 11/05/24 15:10 | 1           | 3                        | 4                        | 1                        | 18.9       | 60        | 5.5         | 98        | 9            |
| 11/05/24 15:15 | 1           | 3                        | 4                        | 1                        | 18.9       | 62        | 4.5         | 107       | 10           |
| 11/05/24 15:20 | 1           | 3                        | 4                        | 1                        | 18.7       | 63        | 5.0         | 107       | 9            |
| 11/05/24 15:25 | 1           | 4                        | 4                        | 1                        | 18.7       | 63        | 4.6         | 105       | 8            |
| 11/05/24 15:30 | 1           | 4                        | 4                        | 1                        | 18.7       | 63        | 5.5         | 104       | 9            |
| 11/05/24 15:35 | 1           | 4                        | 4                        | 1                        | 18.6       | 63        | 5.3         | 102       | 9            |
| 11/05/24 15:40 | 1           | 4                        | 5                        | 1                        | 18.6       | 62        | 4.5         | 100       | 10           |
| 11/05/24 15:45 | 1           | 4                        | 5                        | 1                        | 18.6       | 63        | 5.1         | 101       | 8            |
| 11/05/24 15:50 | 1           | 4                        | 5                        | 1                        | 18.6       | 62        | 5.0         | 96        | 10           |
| 11/05/24 15:55 | 1           | 4                        | 5                        | 1                        | 18.7       | 63        | 3.9         | 100       | 8            |
| 11/05/24 16:00 | 1           | 4                        | 5                        | 1                        | 18.6       | 65        | 4.6         | 108       | 6            |
| 11/05/24 16:05 | 1           | 4                        | 5                        | 1                        | 18.5       | 64        | 4.8         | 105       | 8            |
| 11/05/24 16:10 | 1           | 4                        | 5                        | 1                        | 18.5       | 64        | 4.9         | 106       | 8            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 11/05/24 16:15 | 1           | 4                        | 5                        | 1                        | 18.5       | 63        | 5.3         | 102       | 8            |
| 11/05/24 16:20 | 1           | 4                        | 5                        | 1                        | 18.4       | 64        | 4.8         | 107       | 6            |
| 11/05/24 16:25 | 1           | 4                        | 5                        | 1                        | 18.3       | 65        | 4.8         | 107       | 8            |
| 11/05/24 16:30 | 1           | 4                        | 5                        | 1                        | 18.3       | 65        | 3.5         | 103       | 10           |
| 11/05/24 16:35 | 1           | 5                        | 5                        | 1                        | 18.3       | 65        | 3.9         | 101       | 9            |
| 11/05/24 16:40 | 1           | 5                        | 5                        | 1                        | 18.2       | 65        | 4.8         | 102       | 8            |
| 11/05/24 16:45 | 1           | 5                        | 5                        | 1                        | 18.2       | 66        | 3.3         | 102       | 10           |
| 11/05/24 16:50 | 1           | 5                        | 5                        | 1                        | 18.1       | 66        | 3.5         | 100       | 12           |
| 11/05/24 16:55 | 1           | 5                        | 5                        | 1                        | 18.1       | 65        | 3.6         | 101       | 8            |
| 11/05/24 17:00 | 0           | 5                        | 5                        | 1                        | 18.1       | 65        | 4.1         | 100       | 7            |
| 11/05/24 17:05 | 0           | 5                        | 5                        | 1                        | 18.0       | 67        | 3.0         | 103       | 8            |
| 11/05/24 17:10 | 0           | 5                        | 6                        | 1                        | 18.0       | 67        | 3.2         | 110       | 10           |
| 11/05/24 17:15 | 0           | 5                        | 6                        | 1                        | 17.9       | 68        | 3.4         | 106       | 6            |
| 11/05/24 17:20 | 0           | 5                        | 6                        | 1                        | 17.8       | 69        | 3.2         | 110       | 8            |
| 11/05/24 17:25 | 0           | 5                        | 6                        | 1                        | 17.8       | 68        | 3.6         | 106       | 9            |
| 11/05/24 17:30 | 0           | 5                        | 6                        | 1                        | 17.7       | 70        | 2.5         | 104       | 8            |
| 11/05/24 17:35 | 0           | 6                        | 6                        | 1                        | 17.7       | 69        | 2.6         | 104       | 9            |
| 11/05/24 17:40 | 0           | 6                        | 6                        | 1                        | 17.6       | 70        | 3.3         | 107       | 8            |
| 11/05/24 17:45 | 0           | 6                        | 6                        | 1                        | 17.5       | 69        | 2.8         | 106       | 8            |
| 11/05/24 17:50 | 0           | 6                        | 6                        | 1                        | 17.5       | 70        | 2.5         | 104       | 7            |
| 11/05/24 17:55 | 0           | 6                        | 6                        | 1                        | 17.5       | 70        | 2.7         | 105       | 11           |
| 11/05/24 18:00 | 0           | 6                        | 7                        | 1                        | 17.3       | 70        | 2.5         | 107       | 8            |
| 11/05/24 18:05 | 0           | 7                        | 7                        | 1                        | 17.4       | 71        | 2.7         | 110       | 7            |
| 11/05/24 18:10 | 0           | 6                        | 7                        | 1                        | 17.3       | 73        | 2.7         | 111       | 9            |
| 11/05/24 18:15 | 0           | 6                        | 7                        | 1                        | 17.3       | 72        | 2.4         | 109       | 12           |
| 11/05/24 18:20 | 0           | 6                        | 7                        | 1                        | 17.2       | 73        | 2.6         | 111       | 8            |
| 11/05/24 18:25 | 0           | 6                        | 7                        | 1                        | 17.1       | 73        | 3.6         | 110       | 7            |
| 11/05/24 18:30 | 0           | 6                        | 7                        | 1                        | 17.1       | 72        | 3.7         | 105       | 10           |
| 11/05/24 18:35 | 0           | 7                        | 7                        | 1                        | 17.0       | 73        | 3.6         | 111       | 7            |
| 11/05/24 18:40 | 0           | 6                        | 7                        | 1                        | 16.9       | 73        | 3.4         | 112       | 8            |
| 11/05/24 18:45 | 0           | 6                        | 7                        | 1                        | 16.8       | 73        | 3.9         | 112       | 7            |
| 11/05/24 18:50 | 0           | 6                        | 6                        | 1                        | 16.8       | 73        | 3.2         | 115       | 8            |
| 11/05/24 18:55 | 0           | 6                        | 6                        | 1                        | 16.8       | 74        | 3.9         | 113       | 8            |
| 11/05/24 19:00 | 0           | 6                        | 6                        | 1                        | 16.7       | 74        | 4.4         | 111       | 7            |
| 11/05/24 19:05 | 0           | 6                        | 6                        | 1                        | 16.6       | 73        | 4.4         | 107       | 7            |
| 11/05/24 19:10 | 0           | 6                        | 6                        | 1                        | 16.6       | 74        | 4.4         | 109       | 5            |
| 11/05/24 19:15 | 0           | 6                        | 6                        | 1                        | 16.5       | 73        | 3.9         | 106       | 7            |
| 11/05/24 19:20 | 0           | 6                        | 6                        | 1                        | 16.5       | 73        | 4.0         | 103       | 7            |
| 11/05/24 19:25 | 0           | 6                        | 7                        | 1                        | 16.4       | 74        | 3.5         | 105       | 7            |
| 11/05/24 19:30 | 0           | 7                        | 7                        | 1                        | 16.3       | 73        | 3.7         | 102       | 6            |
| 11/05/24 19:35 | 0           | 7                        | 7                        | 1                        | 16.2       | 73        | 3.5         | 101       | 10           |
| 11/05/24 19:40 | 0           | 8                        | 8                        | 1                        | 16.2       | 73        | 2.8         | 99        | 9            |
| 11/05/24 19:45 | 0           | 8                        | 9                        | 1                        | 16.0       | 73        | 2.9         | 97        | 10           |
| 11/05/24 19:50 | 0           | 9                        | 9                        | 1                        | 16.0       | 74        | 2.7         | 103       | 15           |
| 11/05/24 19:55 | 0           | 9                        | 9                        | 1                        | 15.9       | 74        | 2.8         | 104       | 10           |
| 11/05/24 20:00 | 0           | 9                        | 9                        | 1                        | 15.8       | 74        | 2.6         | 100       | 10           |
| 11/05/24 20:05 | 0           | 9                        | 9                        | 1                        | 15.8       | 75        | 3.0         | 100       | 9            |
| 11/05/24 20:10 | 0           | 9                        | 9                        | 1                        | 15.7       | 74        | 2.3         | 89        | 12           |
| 11/05/24 20:15 | 0           | 9                        | 9                        | 1                        | 15.6       | 75        | 3.0         | 95        | 11           |
| 11/05/24 20:20 | 0           | 8                        | 8                        | 1                        | 15.6       | 75        | 2.7         | 93        | 14           |
| 11/05/24 20:25 | 0           | 8                        | 8                        | 1                        | 15.5       | 75        | 2.9         | 94        | 10           |
| 11/05/24 20:30 | 0           | 8                        | 8                        | 2                        | 15.5       | 75        | 3.3         | 98        | 10           |
| 11/05/24 20:35 | 0           | 8                        | 8                        | 1                        | 15.5       | 75        | 2.5         | 94        | 12           |
| 11/05/24 20:40 | 0           | 8                        | 8                        | 1                        | 15.4       | 76        | 2.7         | 98        | 11           |
| 11/05/24 20:45 | 0           | 8                        | 8                        | 1                        | 15.4       | 76        | 2.4         | 96        | 9            |
| 11/05/24 20:50 | 0           | 8                        | 8                        | 1                        | 15.3       | 76        | 2.2         | 103       | 12           |
| 11/05/24 20:55 | 0           | 8                        | 9                        | 1                        | 15.3       | 77        | 1.8         | 101       | 16           |
| 11/05/24 21:00 | 0           | 9                        | 9                        | 1                        | 15.2       | 78        | 1.8         | 110       | 10           |
| 11/05/24 21:05 | 0           | 9                        | 9                        | 1                        | 15.2       | 78        | 1.5         | 107       | 12           |
| 11/05/24 21:10 | 0           | 9                        | 9                        | 1                        | 15.1       | 78        | 1.6         | 101       | 12           |
| 11/05/24 21:15 | 0           | 9                        | 9                        | 1                        | 15.1       | 78        | 1.4         | 103       | 13           |
| 11/05/24 21:20 | 0           | 9                        | 10                       | 1                        | 15.0       | 78        | 1.8         | 107       | 16           |
| 11/05/24 21:25 | 0           | 9                        | 10                       | 1                        | 15.0       | 78        | 1.9         | 101       | 7            |
| 11/05/24 21:30 | 0           | 10                       | 10                       | 1                        | 14.9       | 78        | 1.6         | 103       | 15           |
| 11/05/24 21:35 | 0           | 10                       | 10                       | 1                        | 14.8       | 79        | 1.5         | 110       | 11           |
| 11/05/24 21:40 | 0           | 9                        | 10                       | 1                        | 14.8       | 80        | 1.4         | 107       | 12           |
| 11/05/24 21:45 | 0           | 9                        | 10                       | 1                        | 14.7       | 79        | 1.4         | 100       | 14           |
| 11/05/24 21:50 | 0           | 9                        | 10                       | 1                        | 14.7       | 79        | 0.5         | 114       | 30           |
| 11/05/24 21:55 | 0           | 9                        | 10                       | 1                        | 14.5       | 80        | 0.3         | 109       | 39           |
| 11/05/24 22:00 | 0           | 9                        | 10                       | 1                        | 14.5       | 80        | 0.8         | 129       | 24           |
| 11/05/24 22:05 | 0           | 9                        | 9                        | 1                        | 14.4       | 81        | 0.8         | 143       | 23           |
| 11/05/24 22:10 | 0           | 9                        | 9                        | 1                        | 14.4       | 81        | 1.1         | 143       | 20           |
| 11/05/24 22:15 | 0           | 8                        | 9                        | 1                        | 14.5       | 80        | 0.8         | 134       | 19           |
| 11/05/24 22:20 | 0           | 8                        | 9                        | 2                        | 14.5       | 81        | 0.7         | 111       | 26           |
| 11/05/24 22:25 | 1           | 9                        | 9                        | 2                        | 14.5       | 81        | 0.7         | 112       | 21           |
| 11/05/24 22:30 | 1           | 9                        | 10                       | 1                        | 14.4       | 82        | 1.0         | 100       | 9            |
| 11/05/24 22:35 | 1           | 10                       | 10                       | 1                        | 14.3       | 81        | 0.9         | 100       | 9            |
| 11/05/24 22:40 | 1           | 10                       | 11                       | 1                        | 14.4       | 81        | 0.9         | 99        | 7            |
| 11/05/24 22:45 | 2           | 11                       | 13                       | 1                        | 14.4       | 81        | 1.2         | 105       | 7            |
| 11/05/24 22:50 | 15          | 18                       | 33                       | 1                        | 14.3       | 81        | 0.6         | 93        | 10           |
| 11/05/24 22:55 | 9           | 16                       | 25                       | 2                        | 14.3       | 81        | 0.9         | 99        | 22           |
| 11/05/24 23:00 | 2           | 10                       | 12                       | 2                        | 14.4       | 80        | 0.7         | 65        | 33           |
| 11/05/24 23:05 | 1           | 11                       | 12                       | 2                        | 14.4       | 80        | 1.0         | 111       | 10           |
| 11/05/24 23:10 | 1           | 11                       | 12                       | 2                        | 14.3       | 81        | 1.0         | 102       | 8            |
| 11/05/24 23:15 | 3           | 10                       | 13                       | 2                        | 14.3       | 81        | 0.9         | 93        | 5            |
| 11/05/24 23:20 | 3           | 13                       | 16                       | 2                        | 14.1       | 81        | 0.8         | 77        | 13           |
| 11/05/24 23:25 | 5           | 14                       | 19                       | 2                        | 14.0       | 81        | 1.1         | 76        | 12           |
| 11/05/24 23:30 | 4           | 16                       | 20                       | 2                        | 14.1       | 81        | 0.8         | 83        | 12           |
| 11/05/24 23:35 | 5           | 16                       | 21                       | 2                        | 14.0       | 82        | 1.0         | 100       | 5            |
| 11/05/24 23:40 | 4           | 17                       | 21                       | 2                        | 13.9       | 82        | 0.6         | 94        | 10           |
| 11/05/24 23:45 | 5           | 17                       | 21                       | 1                        | 13.9       | 82        | 0.8         | 121       | 9            |
| 11/05/24 23:50 | 2           | 17                       | 19                       |                          | 13.8       | 84        | 0.4         | 127       | 11           |
| 11/05/24 23:55 | 1           | 17                       | 18                       |                          | 13.7       | 86        | 0.4         | 114       | 20           |
| 12/05/24 00:00 | 2           | 16                       | 19                       | 2                        | 13.8       | 86        | 0.9         | 108       | 6            |
| 12/05/24 00:05 | 3           | 17                       | 20                       | 1                        | 13.7       | 85        | 1.0         | 115       | 4            |
| 12/05/24 00:10 | 3           | 18                       | 21                       | 1                        | 13.6       | 86        | 0.7         | 93        | 17           |
| 12/05/24 00:15 | 4           | 18                       | 22                       | 1                        | 13.7       | 84        | 0.9         | 84        | 7            |
| 12/05/24 00:20 | 5           | 18                       | 22                       | 1                        | 13.7       | 84        | 0.9         | 40        | 28           |
| 12/05/24 00:25 | 13          | 22                       | 34                       | 1                        | 13.5       | 84        | 1.6         | 9         | 8            |
| 12/05/24 00:30 | 12          | 20                       | 32                       | 1                        | 13.3       | 85        | 1.3         | 348       | 15           |
| 12/05/24 00:35 | 17          | 20                       | 37                       | 1                        | 13.2       | 87        | 1.1         | 334       | 11           |
| 12/05/24 00:40 | 32          | 19                       | 51                       | 1                        | 13.1       | 88        | 0.8         | 336       | 16           |
| 12/05/24 00:45 | 37          | 20                       | 57                       | 1                        | 13.0       | 88        | 1.1         | 329       | 21           |
| 12/05/24 00:50 | 40          | 21                       | 61                       | 1                        | 12.9       | 88        | 1.2         | 332       | 14           |
| 12/05/24 00:55 | 42          | 21                       | 63                       | 1                        | 12.8       | 89        | 1.0         | 345       | 18           |
| 12/05/24 01:00 | 45          | 20                       | 66                       | 1                        | 12.6       | 90        | 1.0         | 346       | 23           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 12/05/24 01:05 |             |                          |                          |                          | 12.5       | 90        | 1.2         | 360       | 16           |
| 12/05/24 01:10 |             |                          |                          |                          | 12.4       | 90        | 2.1         | 354       | 15           |
| 12/05/24 01:15 |             |                          |                          |                          | 12.3       | 91        | 1.9         | 343       | 11           |
| 12/05/24 01:20 |             |                          |                          |                          | 12.4       | 91        | 1.8         | 331       | 15           |
| 12/05/24 01:25 |             |                          |                          |                          | 12.3       | 91        | 2.0         | 332       | 12           |
| 12/05/24 01:30 |             |                          |                          |                          | 12.3       | 91        | 1.9         | 337       | 13           |
| 12/05/24 01:35 |             |                          |                          |                          | 12.2       | 91        | 1.4         | 345       | 22           |
| 12/05/24 01:40 |             |                          |                          |                          | 12.0       | 91        | 1.8         | 3         | 7            |
| 12/05/24 01:45 |             |                          |                          |                          | 11.9       | 92        | 2.0         | 1         | 6            |
| 12/05/24 01:50 |             |                          |                          |                          | 11.9       | 92        | 2.0         | 356       | 10           |
| 12/05/24 01:55 |             |                          |                          |                          | 11.9       | 92        | 1.7         | 356       | 15           |
| 12/05/24 02:00 |             |                          |                          |                          | 11.9       | 92        | 1.9         | 1         | 19           |
| 12/05/24 02:05 | 32          | 18                       | 50                       | 1                        | 11.9       | 92        | 1.9         | 350       | 14           |
| 12/05/24 02:10 | 31          | 18                       | 48                       | 1                        | 11.8       | 92        | 2.2         | 348       | 16           |
| 12/05/24 02:15 | 30          | 17                       | 47                       | 1                        | 11.8       | 92        | 1.9         | 345       | 16           |
| 12/05/24 02:20 | 29          | 17                       | 47                       | 1                        | 11.8       | 93        | 2.0         | 355       | 16           |
| 12/05/24 02:25 | 28          | 17                       | 46                       | 1                        | 11.7       | 93        | 1.9         | 355       | 18           |
| 12/05/24 02:30 | 27          | 17                       | 44                       | 1                        | 11.7       | 93        | 1.5         | 347       | 24           |
| 12/05/24 02:35 | 26          | 16                       | 42                       | 1                        | 11.7       | 93        | 1.2         | 358       | 23           |
| 12/05/24 02:40 | 24          | 15                       | 40                       | 1                        | 11.6       | 94        | 1.2         | 327       | 22           |
| 12/05/24 02:45 | 22          | 14                       | 36                       | 1                        | 11.7       | 94        | 1.4         | 328       | 13           |
| 12/05/24 02:50 | 20          | 13                       | 34                       | 1                        | 11.7       | 93        | 1.3         | 342       | 19           |
| 12/05/24 02:55 | 19          | 14                       | 33                       | 1                        | 11.6       | 93        | 0.8         | 338       | 22           |
| 12/05/24 03:00 | 18          | 15                       | 33                       | 1                        | 11.6       | 93        | 1.3         | 356       | 16           |
| 12/05/24 03:05 | 16          | 15                       | 32                       | 1                        | 11.5       | 94        | 1.3         | 351       | 18           |
| 12/05/24 03:10 | 15          | 16                       | 31                       | 1                        | 11.4       | 94        | 1.5         | 355       | 18           |
| 12/05/24 03:15 | 15          | 16                       | 30                       | 1                        | 11.4       | 94        | 1.2         | 1         | 14           |
| 12/05/24 03:20 | 14          | 16                       | 30                       | 1                        | 11.4       | 94        | 1.4         | 351       | 18           |
| 12/05/24 03:25 | 14          | 16                       | 30                       | 1                        | 11.4       | 94        | 1.5         | 343       | 14           |
| 12/05/24 03:30 | 14          | 16                       | 30                       | 1                        | 11.4       | 94        | 1.2         | 342       | 24           |
| 12/05/24 03:35 | 15          | 16                       | 30                       | 1                        | 11.4       | 94        | 1.4         | 335       | 16           |
| 12/05/24 03:40 | 15          | 15                       | 30                       | 1                        | 11.4       | 94        | 1.1         | 347       | 19           |
| 12/05/24 03:45 | 15          | 15                       | 30                       | 1                        | 11.3       | 94        | 1.6         | 358       | 19           |
| 12/05/24 03:50 | 15          | 15                       | 30                       | 1                        | 11.3       | 94        | 1.3         | 356       | 27           |
| 12/05/24 03:55 | 14          | 15                       | 29                       | 1                        | 11.3       | 94        | 1.1         | 346       | 20           |
| 12/05/24 04:00 | 14          | 15                       | 29                       | 1                        | 11.2       | 94        | 1.3         | 3         | 15           |
| 12/05/24 04:05 | 15          | 15                       | 29                       | 1                        | 10.9       | 94        | 1.4         | 8         | 10           |
| 12/05/24 04:10 | 15          | 15                       | 30                       | 1                        | 11.1       | 95        | 1.5         | 335       | 18           |
| 12/05/24 04:15 | 15          | 15                       | 30                       | 1                        | 11.3       | 95        | 1.4         | 312       | 9            |
| 12/05/24 04:20 | 15          | 15                       | 29                       | 1                        | 11.4       | 95        | 1.1         | 331       | 20           |
| 12/05/24 04:25 | 14          | 14                       | 28                       | 1                        | 11.3       | 94        | 1.2         | 332       | 21           |
| 12/05/24 04:30 | 13          | 14                       | 27                       | 1                        | 11.4       | 94        | 1.4         | 337       | 19           |
| 12/05/24 04:35 | 12          | 14                       | 26                       | 1                        | 11.3       | 94        | 1.5         | 330       | 15           |
| 12/05/24 04:40 | 11          | 14                       | 25                       | 1                        | 11.2       | 94        | 1.4         | 341       | 20           |
| 12/05/24 04:45 | 10          | 13                       | 24                       | 1                        | 11.2       | 94        | 1.3         | 343       | 23           |
| 12/05/24 04:50 | 9           | 12                       | 21                       | 1                        | 11.2       | 95        | 1.2         | 345       | 23           |
| 12/05/24 04:55 | 7           | 11                       | 18                       | 0                        | 11.0       | 95        | 1.3         | 340       | 22           |
| 12/05/24 05:00 | 7           | 12                       | 19                       | 0                        | 11.1       | 95        | 1.5         | 329       | 13           |
| 12/05/24 05:05 | 7           | 13                       | 20                       | 0                        | 11.1       | 95        | 1.1         | 341       | 26           |
| 12/05/24 05:10 | 6           | 12                       | 19                       | 0                        | 11.0       | 95        | 2.1         | 306       | 9            |
| 12/05/24 05:15 | 4           | 9                        | 14                       | 0                        | 11.0       | 96        | 1.8         | 300       | 17           |
| 12/05/24 05:20 | 3           | 9                        | 12                       | 1                        | 10.9       | 96        | 2.4         | 310       | 12           |
| 12/05/24 05:25 | 2           | 9                        | 11                       | 1                        | 10.7       | 97        | 2.2         | 310       | 12           |
| 12/05/24 05:30 | 1           | 8                        | 9                        | 1                        | 10.7       | 98        | 1.2         | 330       | 22           |
| 12/05/24 05:35 | 1           | 8                        | 9                        | 1                        | 10.7       | 98        | 0.6         | 346       | 31           |
| 12/05/24 05:40 | 1           | 8                        | 9                        | 1                        | 10.8       | 99        | 1.4         | 330       | 23           |
| 12/05/24 05:45 | 1           | 8                        | 9                        | 1                        | 10.7       | 99        | 1.3         | 346       | 26           |
| 12/05/24 05:50 | 1           | 9                        | 10                       | 1                        | 10.7       | 99        | 1.5         | 9         | 13           |
| 12/05/24 05:55 | 2           | 10                       | 12                       | 1                        | 10.8       | 99        | 1.3         | 1         | 18           |
| 12/05/24 06:00 | 2           | 14                       | 16                       | 1                        | 10.7       | 99        | 1.1         | 356       | 23           |
| 12/05/24 06:05 | 3           | 16                       | 19                       | 1                        | 10.8       | 99        | 1.7         | 6         | 13           |
| 12/05/24 06:10 | 5           | 16                       | 20                       | 1                        | 10.6       | 99        | 1.4         | 7         | 13           |
| 12/05/24 06:15 | 5           | 16                       | 21                       | 1                        | 10.6       | 99        | 1.2         | 355       | 27           |
| 12/05/24 06:20 | 6           | 15                       | 21                       | 1                        | 10.7       | 99        | 1.0         | 349       | 24           |
| 12/05/24 06:25 | 5           | 15                       | 20                       | 1                        | 10.7       | 99        | 0.9         | 3         | 23           |
| 12/05/24 06:30 | 4           | 15                       | 19                       | 0                        | 10.7       | 99        | 1.2         | 9         | 17           |
| 12/05/24 06:35 | 4           | 14                       | 18                       | 1                        | 10.7       | 99        | 1.0         | 1         | 21           |
| 12/05/24 06:40 | 4           | 14                       | 18                       | 1                        | 10.7       | 100       | 0.9         | 346       | 32           |
| 12/05/24 06:45 | 4           | 14                       | 18                       | 1                        | 10.7       | 100       | 0.8         | 5         | 28           |
| 12/05/24 06:50 | 4           | 14                       | 18                       | 1                        | 10.6       | 99        | 1.2         | 4         | 20           |
| 12/05/24 06:55 | 4           | 14                       | 19                       | 1                        | 10.7       | 100       | 0.8         | 330       | 24           |
| 12/05/24 07:00 | 5           | 14                       | 19                       | 1                        | 10.7       | 100       | 0.7         | 344       | 33           |
| 12/05/24 07:05 | 5           | 14                       | 19                       | 0                        | 10.5       | 100       | 1.0         | 352       | 27           |
| 12/05/24 07:10 | 5           | 14                       | 19                       | 0                        | 10.6       | 100       | 0.9         | 7         | 26           |
| 12/05/24 07:15 | 5           | 14                       | 19                       | 0                        | 10.6       | 100       | 1.4         | 9         | 17           |
| 12/05/24 07:20 | 6           | 14                       | 20                       | 1                        | 10.6       | 100       | 1.0         | 21        | 19           |
| 12/05/24 07:25 | 6           | 14                       | 20                       | 1                        | 10.6       | 100       | 0.9         | 0         | 23           |
| 12/05/24 07:30 | 5           | 14                       | 20                       | 1                        | 10.6       | 100       | 0.8         | 333       | 29           |
| 12/05/24 07:35 | 5           | 14                       | 19                       | 1                        | 10.6       | 100       | 1.2         | 25        | 16           |
| 12/05/24 07:40 | 5           | 14                       | 19                       | 1                        | 10.7       | 100       | 1.1         | 38        | 18           |
| 12/05/24 07:45 | 5           | 13                       | 18                       | 1                        | 10.7       | 100       | 1.3         | 35        | 13           |
| 12/05/24 07:50 | 4           | 12                       | 16                       | 1                        | 10.7       | 100       | 1.3         | 10        | 19           |
| 12/05/24 07:55 | 4           | 12                       | 16                       | 1                        | 10.6       | 100       | 1.0         | 1         | 20           |
| 12/05/24 08:00 | 4           | 11                       | 16                       | 1                        | 10.7       | 100       | 1.1         | 5         | 18           |
| 12/05/24 08:05 | 4           | 11                       | 15                       | 1                        | 10.7       | 100       | 0.9         | 338       | 13           |
| 12/05/24 08:10 | 5           | 11                       | 15                       | 1                        | 10.8       | 100       | 1.1         | 336       | 17           |
| 12/05/24 08:15 | 5           | 11                       | 15                       | 1                        | 10.7       | 100       | 0.9         | 318       | 16           |
| 12/05/24 08:20 | 5           | 11                       | 16                       | 1                        | 10.8       | 100       | 1.2         | 301       | 15           |
| 12/05/24 08:25 | 6           | 11                       | 16                       | 1                        | 10.7       | 100       | 1.7         | 298       | 9            |
| 12/05/24 08:30 | 6           | 10                       | 17                       | 1                        | 10.8       | 100       | 1.3         | 299       | 17           |
| 12/05/24 08:35 | 8           | 11                       | 18                       | 1                        | 10.8       | 100       | 0.9         | 291       | 21           |
| 12/05/24 08:40 | 10          | 12                       | 22                       | 1                        | 10.9       | 100       | 1.4         | 304       | 12           |
| 12/05/24 08:45 | 13          | 12                       | 25                       | 1                        | 11.0       | 100       | 1.1         | 294       | 18           |
| 12/05/24 08:50 | 16          | 11                       | 28                       | 1                        | 11.1       | 99        | 1.2         | 308       | 16           |
| 12/05/24 08:55 | 20          | 12                       | 32                       | 1                        | 11.0       | 99        | 1.0         | 297       | 22           |
| 12/05/24 09:00 | 20          | 13                       | 33                       | 1                        | 11.1       | 98        | 1.3         | 309       | 27           |
| 12/05/24 09:05 | 20          | 12                       | 32                       | 1                        | 11.1       | 97        | 1.2         | 302       | 21           |
| 12/05/24 09:10 | 18          | 11                       | 30                       | 1                        | 11.3       | 97        | 0.7         | 277       | 36           |
| 12/05/24 09:15 | 17          | 10                       | 26                       | 1                        | 11.6       | 96        | 0.4         | 342       | 61           |
| 12/05/24 09:20 | 15          | 10                       | 25                       | 1                        | 11.9       | 95        | 0.5         | 311       | 45           |
| 12/05/24 09:25 | 15          | 10                       | 25                       | 1                        | 11.9       | 93        | 0.6         | 305       | 34           |
| 12/05/24 09:30 | 15          | 10                       | 25                       | 1                        | 12.1       | 91        | 0.8         | 282       | 19           |
| 12/05/24 09:35 | 18          | 12                       | 29                       | 1                        | 12.4       | 90        | 0.8         | 339       | 30           |
| 12/05/24 09:40 | 22          | 14                       | 36                       | 1                        | 12.6       | 88        | 0.8         | 317       | 31           |
| 12/05/24 09:45 | 25          | 12                       | 37                       | 1                        | 12.7       | 88        | 0.4         | 246       | 38           |
| 12/05/24 09:50 | 27          | 13                       | 39                       | 1                        | 12.9       | 86        | 0.9         | 247       | 14           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 12/05/24 09:55 | 27          | 13                       | 40                       | 1                        | 13.0       | 86        | 0.7         | 250       | 18           |
| 12/05/24 10:00 | 27          | 13                       | 40                       | 1                        | 13.5       | 85        | 0.4         | 60        | 64           |
| 12/05/24 10:05 | 26          | 13                       | 39                       | 1                        | 14.0       | 82        | 1.0         | 344       | 25           |
| 12/05/24 10:10 | 24          | 13                       | 36                       | 1                        | 13.7       | 82        | 0.8         | 327       | 34           |
| 12/05/24 10:15 | 22          | 12                       | 34                       | 1                        | 13.7       | 83        | 0.8         | 272       | 19           |
| 12/05/24 10:20 | 21          | 13                       | 34                       | 1                        | 14.0       | 82        | 0.7         | 7         | 44           |
| 12/05/24 10:25 | 21          | 13                       | 33                       | 1                        | 14.4       | 81        | 0.9         | 304       | 32           |
| 12/05/24 10:30 | 20          | 13                       | 33                       | 2                        | 14.3       | 82        | 1.0         | 269       | 24           |
| 12/05/24 10:35 | 18          | 12                       | 31                       | 1                        | 14.3       | 82        | 0.9         | 266       | 33           |
| 12/05/24 10:40 | 18          | 12                       | 30                       | 2                        | 14.3       | 81        | 1.1         | 229       | 9            |
| 12/05/24 10:45 | 18          | 13                       | 31                       | 2                        | 14.4       | 82        | 1.7         | 215       | 8            |
| 12/05/24 10:50 | 19          | 13                       | 32                       | 1                        | 14.2       | 82        | 1.3         | 209       | 6            |
| 12/05/24 10:55 | 21          | 14                       | 36                       | 1                        | 14.4       | 82        | 1.6         | 206       | 7            |
| 12/05/24 11:00 | 24          | 18                       | 41                       | 2                        | 14.7       | 82        | 1.6         | 198       | 9            |
| 12/05/24 11:05 | 26          | 19                       | 45                       | 2                        | 15.1       | 81        | 1.4         | 193       | 15           |
| 12/05/24 11:10 | 32          | 16                       | 49                       | 1                        | 15.2       | 79        | 1.4         | 197       | 17           |
| 12/05/24 11:15 | 34          | 19                       | 53                       | 2                        | 15.1       | 81        | 1.7         | 197       | 9            |
| 12/05/24 11:20 | 27          | 19                       | 46                       | 1                        | 15.3       | 81        | 1.9         | 205       | 9            |
| 12/05/24 11:25 | 25          | 20                       | 44                       | 1                        | 14.8       | 83        | 2.1         | 203       | 5            |
| 12/05/24 11:30 | 24          | 19                       | 44                       | 2                        | 14.5       | 84        | 2.0         | 200       | 4            |
| 12/05/24 11:35 | 25          | 20                       | 45                       | 1                        | 14.4       | 85        | 2.1         | 201       | 4            |
| 12/05/24 11:40 | 26          | 20                       | 46                       | 1                        | 14.9       | 84        | 1.1         | 171       | 24           |
| 12/05/24 11:45 | 27          | 22                       | 49                       | 2                        | 15.6       | 80        | 1.1         | 173       | 30           |
| 12/05/24 11:50 | 28          | 23                       | 51                       | 2                        | 15.8       | 80        | 2.1         | 202       | 7            |
| 12/05/24 11:55 | 28          | 22                       | 49                       | 2                        | 15.3       | 82        | 2.2         | 203       | 5            |
| 12/05/24 12:00 | 27          | 21                       | 49                       | 2                        | 15.1       | 84        | 2.3         | 203       | 5            |
| 12/05/24 12:05 | 28          | 22                       | 50                       | 2                        | 15.0       | 84        | 2.3         | 206       | 4            |
| 12/05/24 12:10 | 30          | 24                       | 54                       | 2                        | 14.9       | 85        | 2.3         | 203       | 3            |
| 12/05/24 12:15 | 34          | 26                       | 59                       | 2                        | 15.0       | 85        | 1.4         | 191       | 24           |
| 12/05/24 12:20 | 36          | 24                       | 60                       | 3                        | 15.8       | 82        | 1.5         | 208       | 15           |
| 12/05/24 12:25 | 35          | 24                       | 58                       | 3                        | 15.7       | 82        | 2.6         | 201       | 2            |
| 12/05/24 12:30 | 30          | 17                       | 47                       | 3                        | 15.5       | 83        | 2.5         | 202       | 2            |
| 12/05/24 12:35 | 21          | 18                       | 40                       | 3                        | 15.5       | 84        | 2.8         | 201       | 2            |
| 12/05/24 12:40 | 17          | 18                       | 35                       | 3                        | 15.7       | 83        | 2.8         | 200       | 4            |
| 12/05/24 12:45 | 16          | 16                       | 31                       | 3                        | 15.6       | 83        | 3.4         | 204       | 3            |
| 12/05/24 12:50 | 17          | 15                       | 32                       | 2                        | 15.6       | 81        | 3.0         | 200       | 3            |
| 12/05/24 12:55 | 15          | 15                       | 31                       | 2                        | 15.9       | 81        | 2.8         | 202       | 4            |
| 12/05/24 13:00 | 13          | 15                       | 28                       | 2                        | 15.9       | 81        | 3.0         | 203       | 3            |
| 12/05/24 13:05 | 11          | 13                       | 24                       | 2                        | 15.8       | 81        | 2.7         | 202       | 2            |
| 12/05/24 13:10 | 10          | 11                       | 21                       | 2                        | 15.9       | 81        | 2.7         | 200       | 2            |
| 12/05/24 13:15 | 8           | 11                       | 19                       | 2                        | 16.0       | 81        | 2.8         | 199       | 3            |
| 12/05/24 13:20 | 15          | 22                       | 37                       | 2                        | 16.6       | 79        | 1.8         | 169       | 23           |
| 12/05/24 13:25 | 8           | 14                       | 22                       | 2                        | 17.1       | 77        | 1.4         | 160       | 28           |
| 12/05/24 13:30 | 7           | 12                       | 19                       | 2                        | 17.4       | 75        | 1.2         | 160       | 27           |
| 12/05/24 13:35 | 7           | 11                       | 17                       | 2                        | 17.5       | 74        | 1.2         | 152       | 28           |
| 12/05/24 13:40 | 7           | 11                       | 17                       | 2                        | 17.4       | 75        | 1.1         | 157       | 31           |
| 12/05/24 13:45 | 7           | 10                       | 17                       | 2                        | 17.5       | 74        | 1.2         | 148       | 24           |
| 12/05/24 13:50 | 7           | 11                       | 18                       | 2                        | 17.4       | 75        | 1.8         | 145       | 19           |
| 12/05/24 13:55 | 7           | 11                       | 18                       | 2                        | 17.2       | 76        | 1.7         | 146       | 20           |
| 12/05/24 14:00 | 7           | 11                       | 18                       | 2                        | 17.2       | 76        | 1.5         | 149       | 23           |
| 12/05/24 14:05 | 7           | 11                       | 18                       | 2                        | 17.3       | 77        | 1.3         | 150       | 27           |
| 12/05/24 14:10 | 7           | 11                       | 18                       | 1                        | 17.5       | 75        | 1.0         | 158       | 28           |
| 12/05/24 14:15 | 6           | 11                       | 17                       | 1                        | 17.8       | 73        | 1.1         | 158       | 27           |
| 12/05/24 14:20 | 6           | 11                       | 17                       | 1                        | 18.2       | 71        | 0.9         | 159       | 28           |
| 12/05/24 14:25 | 6           | 11                       | 16                       | 1                        | 18.5       | 69        | 1.6         | 166       | 19           |
| 12/05/24 14:30 | 5           | 10                       | 16                       | 1                        | 18.4       | 70        | 1.3         | 165       | 22           |
| 12/05/24 14:35 | 5           | 10                       | 15                       | 1                        | 18.3       | 70        | 1.7         | 174       | 16           |
| 12/05/24 14:40 | 4           | 10                       | 14                       | 1                        | 18.3       | 69        | 1.5         | 170       | 15           |
| 12/05/24 14:45 | 4           | 9                        | 13                       | 1                        | 18.5       | 68        | 1.7         | 167       | 16           |
| 12/05/24 14:50 | 4           | 9                        | 13                       | 1                        | 18.5       | 69        | 1.7         | 177       | 16           |
| 12/05/24 14:55 | 4           | 9                        | 12                       | 1                        | 18.6       | 70        | 1.5         | 188       | 15           |
| 12/05/24 15:00 | 3           | 9                        | 12                       | 1                        | 18.4       | 70        | 2.4         | 196       | 8            |
| 12/05/24 15:05 | 3           | 8                        | 11                       | 1                        | 17.5       | 73        | 3.1         | 201       | 3            |
| 12/05/24 15:10 | 3           | 8                        | 11                       | 1                        | 16.9       | 76        | 3.1         | 199       | 4            |
| 12/05/24 15:15 | 6           | 17                       | 23                       | 1                        | 17.0       | 78        | 3.2         | 200       | 3            |
| 12/05/24 15:20 | 5           | 10                       | 15                       | 1                        | 16.9       | 78        | 3.2         | 200       | 4            |
| 12/05/24 15:25 | 5           | 12                       | 17                       | 1                        | 17.0       | 77        | 3.2         | 200       | 4            |
| 12/05/24 15:30 | 5           | 14                       | 19                       | 1                        | 17.1       | 77        | 3.1         | 200       | 4            |
| 12/05/24 15:35 | 6           | 10                       | 16                       | 1                        | 16.9       | 76        | 3.1         | 198       | 3            |
| 12/05/24 15:40 | 3           | 4                        | 7                        | 1                        | 17.1       | 76        | 2.5         | 197       | 7            |
| 12/05/24 15:45 | 2           | 5                        | 6                        | 1                        | 17.3       | 75        | 2.6         | 197       | 7            |
| 12/05/24 15:50 | 1           | 4                        | 6                        | 1                        | 17.5       | 73        | 1.6         | 179       | 15           |
| 12/05/24 15:55 | 1           | 4                        | 5                        | 1                        | 17.9       | 71        | 1.7         | 191       | 12           |
| 12/05/24 16:00 | 1           | 4                        | 5                        | 1                        | 18.2       | 70        | 1.6         | 187       | 12           |
| 12/05/24 16:05 | 1           | 4                        | 5                        | 1                        | 18.6       | 67        | 1.5         | 176       | 17           |
| 12/05/24 16:10 | 1           | 4                        | 4                        | 1                        | 18.7       | 67        | 1.4         | 183       | 16           |
| 12/05/24 16:15 | 13          | 38                       | 51                       | 1                        | 18.8       | 67        | 1.5         | 186       | 11           |
| 12/05/24 16:20 | 147         | 60                       | 207                      | 1                        | 18.7       | 67        | 1.6         | 185       | 12           |
| 12/05/24 16:25 | 151         | 55                       | 206                      | 1                        | 18.5       | 67        | 1.6         | 188       | 14           |
| 12/05/24 16:30 | 13          | 9                        | 22                       | 1                        | 18.0       | 72        | 2.6         | 201       | 4            |
| 12/05/24 16:35 | 1           | 4                        | 4                        | 1                        | 17.2       | 75        | 2.4         | 202       | 4            |
| 12/05/24 16:40 | 21          | 21                       | 42                       | 1                        | 17.1       | 76        | 1.8         | 191       | 14           |
| 12/05/24 16:45 | 70          | 29                       | 99                       | 1                        | 17.3       | 75        | 1.7         | 194       | 13           |
| 12/05/24 16:50 | 30          | 23                       | 53                       | 1                        | 17.3       | 75        | 1.4         | 179       | 22           |
| 12/05/24 16:55 | 20          | 17                       | 37                       | 1                        | 17.3       | 75        | 1.4         | 186       | 19           |
| 12/05/24 17:00 | 9           | 18                       | 27                       | 0                        | 17.2       | 75        | 1.3         | 177       | 18           |
| 12/05/24 17:05 | 13          | 15                       | 28                       | 0                        | 17.1       | 76        | 1.1         | 169       | 21           |
| 12/05/24 17:10 | 2           | 10                       | 12                       | 0                        | 16.9       | 77        | 1.1         | 172       | 19           |
| 12/05/24 17:15 | 1           | 5                        | 5                        | 0                        | 16.7       | 78        | 0.8         | 174       | 27           |
| 12/05/24 17:20 | 0           | 3                        | 4                        | 0                        | 16.5       | 79        | 1.1         | 161       | 25           |
| 12/05/24 17:25 | 1           | 4                        | 5                        | 0                        | 16.3       | 79        | 1.0         | 156       | 23           |
| 12/05/24 17:30 | 2           | 9                        | 11                       | 0                        | 16.2       | 80        | 1.1         | 131       | 16           |
| 12/05/24 17:35 | 1           | 3                        | 4                        | 0                        | 16.2       | 82        | 1.1         | 121       | 15           |
| 12/05/24 17:40 | 1           | 2                        | 2                        | 0                        | 16.1       | 83        | 1.6         | 115       | 7            |
| 12/05/24 17:45 | 0           | 3                        | 3                        | 0                        | 16.1       | 83        | 0.9         | 118       | 23           |
| 12/05/24 17:50 | 0           | 6                        | 6                        | 0                        | 16.0       | 84        | 0.8         | 123       | 24           |
| 12/05/24 17:55 | 0           | 9                        | 9                        | 0                        | 15.9       | 84        | 0.8         | 131       | 20           |
| 12/05/24 18:00 | 0           | 9                        | 9                        | 0                        | 15.8       | 84        | 0.9         | 135       | 15           |
| 12/05/24 18:05 | 0           | 10                       | 10                       | 0                        | 15.7       | 85        | 1.0         | 150       | 11           |
| 12/05/24 18:10 | 0           | 10                       | 11                       | 0                        | 15.8       | 85        | 0.7         | 128       | 20           |
| 12/05/24 18:15 | 0           | 11                       | 10                       | 0                        | 15.8       | 86        | 0.9         | 140       | 13           |
| 12/05/24 18:20 | 0           | 11                       | 10                       | 0                        | 15.7       | 86        | 0.9         | 151       | 20           |
| 12/05/24 18:25 | 0           | 11                       | 11                       | 0                        | 15.7       | 86        | 1.0         | 147       | 12           |
| 12/05/24 18:30 | 0           | 11                       | 11                       | 0                        | 15.8       | 87        | 0.8         | 175       | 18           |
| 12/05/24 18:35 | 0           | 10                       | 11                       | 0                        | 15.7       | 88        | 0.8         | 171       | 25           |
| 12/05/24 18:40 | 0           | 10                       | 10                       | 0                        | 15.6       | 87        | 0.6         | 162       | 33           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 12/05/24 18:45 | 0           | 10                       | 11                       | 0                        | 15.5       | 84        | 1.3         | 142       | 10           |
| 12/05/24 18:50 | 0           | 11                       | 11                       | 0                        | 15.6       | 83        | 1.1         | 137       | 10           |
| 12/05/24 18:55 | 0           | 12                       | 12                       | 0                        | 15.8       | 82        | 1.1         | 143       | 11           |
| 12/05/24 19:00 | 0           | 13                       | 13                       | 0                        | 15.7       | 83        | 0.4         | 109       | 36           |
| 12/05/24 19:05 | 1           | 14                       | 15                       | 0                        | 15.6       | 84        | 0.8         | 91        | 8            |
| 12/05/24 19:10 | 1           | 15                       | 16                       | 0                        | 15.4       | 85        | 0.8         | 83        | 9            |
| 12/05/24 19:15 | 1           | 18                       | 19                       | 0                        | 15.2       | 85        | 0.6         | 93        | 10           |
| 12/05/24 19:20 | 3           | 28                       | 31                       | 0                        | 15.1       | 86        | 0.0         | 317       | 92           |
| 12/05/24 19:25 | 3           | 26                       | 29                       | 0                        | 15.2       | 87        | 0.6         | 260       | 10           |
| 12/05/24 19:30 | 4           | 25                       | 30                       | 1                        | 15.2       | 88        | 0.5         | 249       | 13           |
| 12/05/24 19:35 | 4           | 25                       | 29                       | 1                        | 15.2       | 87        | 0.3         | 320       | 24           |
| 12/05/24 19:40 | 11          | 21                       | 31                       | 1                        | 14.9       | 86        | 0.2         | 297       | 38           |
| 12/05/24 19:45 | 26          | 22                       | 48                       | 0                        | 14.8       | 87        | 0.1         | 241       | 18           |
| 12/05/24 19:50 | 11          | 23                       | 34                       | 1                        | 14.6       | 87        | 0.3         | 223       | 8            |
| 12/05/24 19:55 | 6           | 25                       | 31                       | 0                        | 14.5       | 88        | 0.3         | 213       | 5            |
| 12/05/24 20:00 | 7           | 26                       | 32                       | 1                        | 14.5       | 88        | 0.1         | 90        | 54           |
| 12/05/24 20:05 | 7           | 24                       | 31                       | 1                        | 14.5       | 89        | 0.1         | 312       | 71           |
| 12/05/24 20:10 | 3           | 21                       | 24                       | 1                        | 14.7       | 90        | 0.7         | 257       | 4            |
| 12/05/24 20:15 | 9           | 21                       | 30                       | 0                        | 14.7       | 90        | 0.7         | 277       | 17           |
| 12/05/24 20:20 | 5           | 24                       | 29                       | 0                        | 14.9       | 89        | 0.8         | 289       | 11           |
| 12/05/24 20:25 | 4           | 23                       | 27                       | 0                        | 15.0       | 89        | 1.0         | 282       | 10           |
| 12/05/24 20:30 | 4           | 22                       | 27                       | 0                        | 15.0       | 89        | 0.8         | 292       | 10           |
| 12/05/24 20:35 | 4           | 22                       | 26                       | 0                        | 15.0       | 89        | 1.0         | 281       | 13           |
| 12/05/24 20:40 | 5           | 23                       | 28                       | 1                        | 15.0       | 89        | 1.2         | 279       | 15           |
| 12/05/24 20:45 | 11          | 26                       | 37                       | 1                        | 14.9       | 89        | 0.8         | 293       | 20           |
| 12/05/24 20:50 | 12          | 27                       | 39                       | 1                        | 14.8       | 90        | 1.0         | 290       | 17           |
| 12/05/24 20:55 | 34          | 30                       | 64                       | 1                        | 14.8       | 90        | 1.5         | 284       | 15           |
| 12/05/24 21:00 | 48          | 31                       | 79                       | 1                        | 14.8       | 90        | 1.2         | 288       | 13           |
| 12/05/24 21:05 | 47          | 31                       | 78                       | 1                        | 14.8       | 90        | 0.9         | 286       | 20           |
| 12/05/24 21:10 | 46          | 30                       | 77                       | 1                        | 14.8       | 91        | 0.9         | 289       | 19           |
| 12/05/24 21:15 | 44          | 30                       | 74                       | 1                        | 14.8       | 91        | 1.2         | 286       | 13           |
| 12/05/24 21:20 | 36          | 32                       | 67                       | 1                        | 14.7       | 91        | 1.2         | 286       | 15           |
| 12/05/24 21:25 | 26          | 31                       | 57                       | 1                        | 14.7       | 91        | 1.1         | 288       | 17           |
| 12/05/24 21:30 | 25          | 28                       | 53                       | 1                        | 14.7       | 90        | 1.3         | 289       | 12           |
| 12/05/24 21:35 | 26          | 28                       | 53                       | 1                        | 14.6       | 90        | 1.2         | 289       | 13           |
| 12/05/24 21:40 | 25          | 28                       | 53                       | 1                        | 14.6       | 89        | 1.1         | 288       | 15           |
| 12/05/24 21:45 | 24          | 29                       | 52                       | 1                        | 14.7       | 88        | 0.9         | 287       | 19           |
| 12/05/24 21:50 | 22          | 30                       | 51                       | 1                        | 14.7       | 86        | 1.0         | 312       | 15           |
| 12/05/24 21:55 | 22          | 29                       | 51                       | 1                        | 14.4       | 87        | 1.3         | 10        | 10           |
| 12/05/24 22:00 | 27          | 26                       | 53                       | 1                        | 14.1       | 88        | 1.5         | 22        | 9            |
| 12/05/24 22:05 | 30          | 25                       | 55                       | 1                        | 14.0       | 89        | 1.4         | 15        | 4            |
| 12/05/24 22:10 | 29          | 27                       | 57                       | 1                        | 14.2       | 89        | 0.9         | 355       | 22           |
| 12/05/24 22:15 | 29          | 29                       | 58                       | 1                        | 14.3       | 88        | 1.2         | 344       | 10           |
| 12/05/24 22:20 | 28          | 30                       | 58                       | 1                        | 14.5       | 86        | 0.9         | 336       | 15           |
| 12/05/24 22:25 | 34          | 29                       | 63                       | 1                        | 14.6       | 85        | 1.1         | 325       | 12           |
| 12/05/24 22:30 | 46          | 30                       | 76                       | 1                        | 14.8       | 84        | 1.4         | 322       | 14           |
| 12/05/24 22:35 | 47          | 32                       | 79                       | 1                        | 14.8       | 84        | 1.5         | 355       | 12           |
| 12/05/24 22:40 | 53          | 35                       | 89                       | 1                        | 14.6       | 85        | 1.4         | 350       | 13           |
| 12/05/24 22:45 | 58          | 31                       | 89                       | 1                        | 14.5       | 85        | 1.4         | 345       | 15           |
| 12/05/24 22:50 | 64          | 29                       | 93                       | 1                        | 14.5       | 85        | 1.5         | 356       | 10           |
| 12/05/24 22:55 | 73          | 32                       | 106                      | 1                        | 14.3       | 86        | 1.4         | 347       | 12           |
| 12/05/24 23:00 | 75          | 32                       | 107                      | 1                        | 14.3       | 86        | 1.3         | 337       | 9            |
| 12/05/24 23:05 | 74          | 33                       | 106                      | 1                        | 14.3       | 86        | 1.5         | 340       | 13           |
| 12/05/24 23:10 | 72          | 33                       | 106                      | 1                        | 14.3       | 86        | 1.4         | 320       | 16           |
| 12/05/24 23:15 | 74          | 33                       | 107                      | 1                        | 14.3       | 86        | 0.9         | 336       | 21           |
| 12/05/24 23:20 | 74          | 32                       | 107                      | 1                        | 14.2       | 87        | 1.0         | 332       | 24           |
| 12/05/24 23:25 | 74          | 32                       | 106                      | 1                        | 14.2       | 87        | 1.0         | 317       | 23           |
| 12/05/24 23:30 | 73          | 31                       | 104                      | 1                        | 14.0       | 87        | 1.1         | 327       | 19           |
| 12/05/24 23:35 | 71          | 30                       | 101                      | 1                        | 14.1       | 88        | 1.1         | 310       | 20           |
| 12/05/24 23:40 | 65          | 28                       | 93                       | 1                        | 14.1       | 88        | 1.4         | 305       | 12           |
| 12/05/24 23:45 | 59          | 27                       | 86                       | 1                        | 14.0       | 88        | 0.9         | 314       | 17           |
| 12/05/24 23:50 | 60          | 27                       | 87                       |                          | 13.8       | 88        | 0.7         | 353       | 21           |
| 12/05/24 23:55 | 63          | 25                       | 88                       |                          | 13.6       | 89        | 0.9         | 352       | 13           |
| 13/05/24 00:00 | 65          | 27                       | 92                       | 1                        | 13.6       | 89        | 1.2         | 355       | 16           |
| 13/05/24 00:05 | 67          | 25                       | 92                       | 1                        | 13.5       | 89        | 1.1         | 346       | 18           |
| 13/05/24 00:10 | 64          | 24                       | 89                       | 1                        | 13.7       | 90        | 0.8         | 306       | 25           |
| 13/05/24 00:15 | 61          | 23                       | 84                       | 1                        | 13.7       | 90        | 0.8         | 304       | 18           |
| 13/05/24 00:20 | 59          | 23                       | 83                       | 1                        | 13.6       | 89        | 0.7         | 319       | 21           |
| 13/05/24 00:25 | 62          | 24                       | 86                       | 1                        | 13.4       | 89        | 0.9         | 3         | 14           |
| 13/05/24 00:30 | 64          | 24                       | 89                       | 2                        | 13.2       | 90        | 1.1         | 356       | 12           |
| 13/05/24 00:35 | 63          | 23                       | 86                       | 2                        | 13.3       | 91        | 1.0         | 354       | 14           |
| 13/05/24 00:40 | 61          | 24                       | 85                       | 2                        | 13.4       | 90        | 1.6         | 354       | 9            |
| 13/05/24 00:45 | 59          | 25                       | 83                       | 2                        | 13.5       | 90        | 1.5         | 353       | 13           |
| 13/05/24 00:50 | 58          | 25                       | 83                       | 1                        | 13.6       | 89        | 1.2         | 352       | 12           |
| 13/05/24 00:55 | 58          | 24                       | 82                       | 2                        | 13.6       | 89        | 1.4         | 352       | 11           |
| 13/05/24 01:00 | 58          | 24                       | 82                       | 2                        | 13.6       | 89        | 2.2         | 356       | 6            |
| 13/05/24 01:05 |             |                          |                          |                          | 13.5       | 89        | 2.2         | 358       | 6            |
| 13/05/24 01:10 |             |                          |                          |                          | 13.5       | 90        | 2.1         | 354       | 9            |
| 13/05/24 01:15 |             |                          |                          |                          | 13.5       | 90        | 2.3         | 356       | 10           |
| 13/05/24 01:20 |             |                          |                          |                          | 13.5       | 89        | 2.6         | 356       | 5            |
| 13/05/24 01:25 |             |                          |                          |                          | 13.4       | 90        | 2.1         | 352       | 10           |
| 13/05/24 01:30 |             |                          |                          |                          | 13.3       | 90        | 1.9         | 353       | 12           |
| 13/05/24 01:35 |             |                          |                          |                          | 13.3       | 90        | 1.8         | 341       | 12           |
| 13/05/24 01:40 |             |                          |                          |                          | 13.2       | 90        | 1.9         | 348       | 10           |
| 13/05/24 01:45 |             |                          |                          |                          | 13.2       | 90        | 2.6         | 358       | 8            |
| 13/05/24 01:50 |             |                          |                          |                          | 13.1       | 90        | 2.6         | 3         | 2            |
| 13/05/24 01:55 |             |                          |                          |                          | 12.9       | 91        | 2.4         | 6         | 5            |
| 13/05/24 02:00 |             |                          |                          |                          | 12.8       | 92        | 2.0         | 4         | 8            |
| 13/05/24 02:05 | 55          | 22                       | 77                       | 1                        | 12.9       | 92        | 1.9         | 352       | 13           |
| 13/05/24 02:10 | 49          | 16                       | 64                       | 1                        | 12.9       | 92        | 1.9         | 356       | 10           |
| 13/05/24 02:15 | 29          | 20                       | 49                       | 1                        | 13.1       | 91        | 1.9         | 342       | 15           |
| 13/05/24 02:20 | 26          | 19                       | 45                       | 1                        | 13.2       | 91        | 2.0         | 351       | 10           |
| 13/05/24 02:25 | 26          | 18                       | 44                       | 1                        | 13.1       | 90        | 1.6         | 356       | 13           |
| 13/05/24 02:30 | 30          | 19                       | 48                       | 1                        | 13.1       | 90        | 2.1         | 350       | 15           |
| 13/05/24 02:35 | 34          | 18                       | 52                       | 1                        | 13.2       | 90        | 1.6         | 327       | 13           |
| 13/05/24 02:40 | 59          | 18                       | 77                       | 1                        | 13.1       | 90        | 1.8         | 337       | 11           |
| 13/05/24 02:45 | 69          | 21                       | 90                       | 2                        | 13.2       | 90        | 1.6         | 345       | 18           |
| 13/05/24 02:50 | 56          | 22                       | 78                       | 1                        | 13.1       | 90        | 1.5         | 359       | 15           |
| 13/05/24 02:55 | 40          | 17                       | 58                       | 1                        | 12.9       | 90        | 1.7         | 0         | 13           |
| 13/05/24 03:00 | 34          | 20                       | 53                       | 1                        | 12.7       | 91        | 1.1         | 342       | 23           |
| 13/05/24 03:05 | 32          | 20                       | 52                       | 1                        | 12.8       | 92        | 1.1         | 315       | 20           |
| 13/05/24 03:10 | 32          | 20                       | 52                       | 1                        | 12.9       | 91        | 1.3         | 325       | 22           |
| 13/05/24 03:15 | 32          | 20                       | 51                       | 1                        | 12.9       | 91        | 1.0         | 351       | 29           |
| 13/05/24 03:20 | 31          | 19                       | 50                       | 1                        | 12.8       | 91        | 0.7         | 325       | 36           |
| 13/05/24 03:25 | 31          | 19                       | 50                       | 1                        | 12.9       | 91        | 1.0         | 330       | 28           |
| 13/05/24 03:30 | 30          | 19                       | 49                       | 1                        | 12.9       | 91        | 1.0         | 327       | 22           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 13/05/24 03:35                              | 31          | 19                       | 50                       | 1                        | 12.8       | 91        | 1.1         | 325       | 20           |
| 13/05/24 03:40                              | 33          | 18                       | 51                       | 1                        | 12.8       | 91        | 1.3         | 1         | 19           |
| 13/05/24 03:45                              | 38          | 18                       | 56                       | 1                        | 12.4       | 91        | 1.9         | 5         | 10           |
| 13/05/24 03:50                              | 48          | 17                       | 65                       | 1                        | 12.2       | 92        | 1.2         | 17        | 12           |
| 13/05/24 03:55                              | 50          | 18                       | 68                       | 1                        | 11.8       | 92        | 0.9         | 31        | 8            |
| 13/05/24 04:00                              | 52          | 18                       | 70                       | 1                        | 11.7       | 94        | 1.1         | 37        | 6            |
| 13/05/24 04:05                              | 50          | 15                       | 66                       | 1                        | 11.6       | 94        | 1.3         | 37        | 7            |
| 13/05/24 04:10                              | 51          | 16                       | 67                       | 1                        | 11.6       | 94        | 1.4         | 40        | 8            |
| 13/05/24 04:15                              | 48          | 17                       | 65                       | 1                        | 11.5       | 94        | 1.3         | 32        | 7            |
| 13/05/24 04:20                              | 48          | 16                       | 65                       | 2                        | 11.5       | 94        | 1.0         | 11        | 14           |
| 13/05/24 04:25                              | 48          | 16                       | 65                       | 2                        | 11.5       | 94        | 1.1         | 346       | 18           |
| 13/05/24 04:30                              | 46          | 16                       | 62                       | 1                        | 11.8       | 94        | 1.3         | 340       | 21           |
| 13/05/24 04:35                              | 38          | 16                       | 54                       | 1                        | 12.0       | 93        | 1.4         | 324       | 18           |
| 13/05/24 04:40                              | 31          | 17                       | 48                       | 1                        | 12.3       | 91        | 1.3         | 325       | 16           |
| 13/05/24 04:45                              | 33          | 16                       | 49                       | 1                        | 12.3       | 90        | 1.5         | 329       | 22           |
| 13/05/24 04:50                              | 33          | 16                       | 48                       | 1                        | 12.3       | 90        | 1.5         | 310       | 14           |
| 13/05/24 04:55                              | 33          | 16                       | 48                       | 1                        | 12.2       | 90        | 1.3         | 326       | 18           |
| 13/05/24 05:00                              | 32          | 15                       | 47                       | 1                        | 12.1       | 90        | 1.4         | 334       | 19           |
| 13/05/24 05:05                              | 33          | 15                       | 48                       | 1                        | 12.0       | 90        | 1.2         | 348       | 23           |
| 13/05/24 05:10                              | 53          | 13                       | 66                       | 1                        | 12.0       | 90        | 1.6         | 355       | 17           |
| 13/05/24 05:15                              | 41          | 14                       | 55                       | 1                        | 11.9       | 90        | 1.8         | 359       | 12           |
| 13/05/24 05:20                              | 43          | 15                       | 57                       | 1                        | 11.8       | 90        | 1.6         | 1         | 12           |
| 13/05/24 05:25                              | 48          | 14                       | 62                       | 1                        | 11.8       | 91        | 0.8         | 19        | 22           |
| 13/05/24 05:30                              | 49          | 14                       | 64                       | 1                        | 11.4       | 91        | 0.5         | 42        | 22           |
| 13/05/24 05:35                              | 50          | 15                       | 65                       | 1                        | 11.3       | 92        | 0.4         | 340       | 35           |
| 13/05/24 05:40                              | 51          | 16                       | 67                       | 1                        | 11.2       | 93        | 0.3         | 39        | 45           |
| 13/05/24 05:45                              | 51          | 16                       | 67                       | 1                        | 11.1       | 93        | 0.3         | 79        | 31           |
| 13/05/24 05:50                              | 53          | 16                       | 69                       | 1                        | 11.0       | 94        | 0.5         | 21        | 14           |
| 13/05/24 05:55                              | 55          | 19                       | 74                       | 1                        | 11.0       | 94        | 0.9         | 23        | 8            |
| 13/05/24 06:00                              | 59          | 22                       | 81                       | 1                        | 11.0       | 94        | 0.9         | 21        | 6            |
| 13/05/24 06:05                              | 70          | 17                       | 87                       | 2                        | 11.0       | 93        | 0.9         | 33        | 9            |
| 13/05/24 06:10                              | 50          | 18                       | 68                       | 2                        | 10.9       | 93        | 0.9         | 46        | 9            |
| 13/05/24 06:15                              | 48          | 16                       | 65                       | 2                        | 10.7       | 94        | 1.0         | 48        | 8            |
| 13/05/24 06:20                              | 50          | 15                       | 64                       | 2                        | 10.6       | 94        | 0.7         | 61        | 12           |
| 13/05/24 06:25                              | 50          | 15                       | 65                       | 2                        | 10.5       | 94        | 0.4         | 46        | 18           |
| 13/05/24 06:30                              | 51          | 14                       | 65                       | 1                        | 10.7       | 94        | 0.8         | 18        | 13           |
| 13/05/24 06:35                              | 52          | 15                       | 67                       | 2                        | 10.7       | 94        | 0.5         | 7         | 13           |
| 13/05/24 06:40                              | 53          | 16                       | 69                       | 2                        | 10.8       | 94        | 0.6         | 311       | 19           |
| 13/05/24 06:45                              | 73          | 18                       | 91                       | 2                        | 10.9       | 94        | 1.3         | 311       | 12           |
| 13/05/24 06:50                              | 93          | 19                       | 113                      | 2                        | 11.3       | 95        | 0.9         | 304       | 27           |
| 13/05/24 06:55                              | 103         | 19                       | 122                      | 2                        | 11.1       | 92        | 0.8         | 2         | 22           |
| 13/05/24 07:00                              | 110         | 21                       | 131                      | 2                        | 10.9       | 92        | 0.3         | 332       | 52           |
| 13/05/24 07:05                              | 113         | 20                       | 133                      | 2                        | 10.9       | 93        | 0.7         | 327       | 16           |
| 13/05/24 07:10                              | 115         | 20                       | 135                      | 2                        | 11.1       | 93        | 1.2         | 350       | 17           |
| 13/05/24 07:15                              | 128         | 20                       | 148                      | 2                        | 11.1       | 92        | 1.4         | 350       | 15           |
| 13/05/24 07:20                              | 146         | 29                       | 175                      | 2                        | 11.1       | 91        | 1.6         | 5         | 9            |
| 13/05/24 07:25                              | 159         | 26                       | 185                      | 2                        | 10.7       | 91        | 1.7         | 15        | 7            |
| 13/05/24 07:30                              | 187         | 36                       | 223                      | 2                        | 10.4       | 92        | 1.4         | 19        | 8            |
| 13/05/24 07:35                              | 174         | 32                       | 207                      | 2                        | 10.4       | 93        | 1.7         | 5         | 7            |
| 13/05/24 07:40                              | 156         | 28                       | 183                      | 2                        | 10.7       | 94        | 1.8         | 353       | 9            |
| 13/05/24 07:45                              | 114         | 29                       | 142                      | 2                        | 11.3       | 91        | 1.6         | 342       | 15           |
| 13/05/24 07:50                              | 136         | 26                       | 162                      | 2                        | 11.8       | 88        | 1.7         | 347       | 17           |
| 13/05/24 07:55                              | 128         | 27                       | 154                      | 3                        | 12.0       | 86        | 1.7         | 347       | 18           |
| 13/05/24 08:00                              | 105         | 23                       | 128                      | 3                        | 12.3       | 84        | 1.9         | 358       | 14           |
| 13/05/24 08:05                              | 92          | 21                       | 114                      | 2                        | 12.4       | 83        | 1.9         | 358       | 13           |
| 13/05/24 08:10                              | 110         | 23                       | 133                      | 2                        | 12.5       | 83        | 1.5         | 8         | 12           |
| 13/05/24 08:15                              | 120         | 24                       | 144                      | 2                        | 12.5       | 82        | 1.4         | 357       | 9            |
| 13/05/24 08:20                              | 125         | 25                       | 151                      | 2                        | 12.8       | 81        | 1.2         | 6         | 14           |
| 13/05/24 08:25                              | 126         | 26                       | 152                      | 2                        | 13.0       | 81        | 1.5         | 9         | 11           |
| 13/05/24 08:30                              | 127         | 27                       | 153                      | 2                        | 13.1       | 80        | 1.5         | 26        | 10           |
| 13/05/24 08:35                              | 118         | 16                       | 134                      | 2                        | 13.5       | 78        | 1.2         | 23        | 20           |
| 13/05/24 08:40                              | 94          | 23                       | 118                      | 2                        | 13.9       | 76        | 1.4         | 18        | 13           |
| 13/05/24 08:45                              | 91          | 25                       | 116                      | 2                        | 13.9       | 75        | 1.2         | 359       | 16           |
| 13/05/24 08:50                              | 88          | 28                       | 115                      | 2                        | 13.8       | 75        | 1.2         | 351       | 23           |
| 13/05/24 08:55                              | 82          | 28                       | 110                      | 2                        | 14.0       | 75        | 1.0         | 356       | 25           |
| 13/05/24 09:00                              | 81          | 25                       | 107                      | 2                        | 14.4       | 72        | 0.9         | 18        | 27           |
| 13/05/24 09:05                              | 79          | 24                       | 103                      | 2                        | 14.9       | 70        | 0.9         | 6         | 22           |
| 13/05/24 09:10                              | 76          | 24                       | 99                       | 2                        | 15.2       | 68        | 1.4         | 358       | 17           |
| 13/05/24 09:15                              | 72          | 25                       | 97                       | 2                        | 15.3       | 67        | 1.5         | 18        | 19           |
| 13/05/24 09:20                              | 74          | 26                       | 100                      | 2                        | 15.6       | 67        | 1.3         | 10        | 19           |
| 13/05/24 09:25                              | 76          | 26                       | 102                      | 2                        | 15.6       | 68        | 0.9         | 14        | 27           |
| 13/05/24 09:30                              | 75          | 26                       | 101                      | 2                        | 15.7       | 67        | 1.3         | 358       | 26           |
| 13/05/24 09:35                              | 72          | 25                       | 96                       | 2                        | 15.7       | 67        | 1.6         | 11        | 18           |
| 13/05/24 09:40                              | 70          | 24                       | 94                       | 2                        | 16.0       | 67        | 1.0         | 23        | 21           |
| 13/05/24 09:45                              | 69          | 25                       | 95                       | 2                        | 16.1       | 68        | 1.1         | 304       | 17           |
| 13/05/24 09:50                              | 64          | 25                       | 90                       | 2                        | 16.0       | 67        | 1.0         | 342       | 25           |
| 13/05/24 09:55                              | 63          | 26                       | 89                       | 2                        | 16.3       | 66        | 1.1         | 348       | 32           |
| 13/05/24 10:00                              | 65          | 25                       | 90                       | 2                        | 16.5       | 66        | 1.2         | 27        | 31           |
| 13/05/24 10:05                              | 64          | 26                       | 90                       | 2                        | 16.7       | 65        | 1.8         | 11        | 18           |
| 13/05/24 10:10                              | 47          | 21                       | 68                       | 2                        | 17.0       | 64        | 1.5         | 31        | 23           |
| 13/05/24 10:15                              | 47          | 24                       | 71                       | 2                        | 17.1       | 64        | 2.2         | 34        | 13           |
| 13/05/24 10:20                              | 48          | 24                       | 72                       | 2                        | 17.0       | 64        | 1.5         | 6         | 22           |
| 13/05/24 10:25                              | 48          | 24                       | 72                       | 2                        | 17.1       | 65        | 0.9         | 316       | 19           |
| 13/05/24 10:30                              | 48          | 25                       | 73                       | 2                        | 17.3       | 65        | 0.3         | 253       | 64           |
| 13/05/24 10:35                              | 48          | 25                       | 73                       | 2                        | 18.1       | 62        | 0.4         | 350       | 59           |
| 13/05/24 10:40                              | 46          | 25                       | 70                       | 2                        | 18.3       | 60        | 0.3         | 6         | 75           |
| 13/05/24 10:45                              | 70          | 19                       | 89                       | 2                        | 18.5       | 61        | 0.8         | 55        | 57           |
| 13/05/24 10:50                              | 49          | 27                       | 76                       | 2                        | 18.4       | 60        | 1.1         | 16        | 40           |
| 13/05/24 10:55                              | 38          | 27                       | 65                       | 2                        | 18.3       | 59        | 1.3         | 16        | 23           |
| 13/05/24 11:00                              | 40          | 26                       | 67                       | 2                        | 18.6       | 59        | 0.7         | 17        | 41           |
| 13/05/24 11:05                              | 41          | 27                       | 68                       | 2                        | 18.7       | 59        | 1.2         | 348       | 35           |
| 13/05/24 11:10                              | 42          | 28                       | 70                       | 2                        | 18.2       | 60        | 0.6         | 326       | 37           |
| 13/05/24 11:15                              | 49          | 41                       | 90                       | 2                        | 18.3       | 64        | 0.4         | 186       | 58           |
| 13/05/24 11:20                              | 75          | 30                       | 105                      | 2                        | 18.0       | 66        | 1.1         | 194       | 10           |
| 13/05/24 11:25                              | 63          | 34                       | 97                       | 2                        | 18.1       | 66        | 0.9         | 157       | 19           |
| 13/05/24 11:30                              | 68          | 33                       | 100                      | 2                        | 18.1       | 68        | 1.5         | 191       | 13           |
| 13/05/24 11:35                              | 55          | 27                       | 82                       | 2                        | 17.7       | 69        | 1.3         | 188       | 11           |
| 13/05/24 11:40                              | 52          | 27                       | 80                       | 2                        | 17.6       | 70        | 2.8         | 198       | 5            |
| 13/05/24 11:45                              | 51          | 26                       | 76                       | 2                        | 16.9       | 74        | 5.0         | 202       | 2            |
| 13/05/24 11:50                              | 61          | 34                       | 95                       | 2                        | 16.4       | 76        | 5.1         | 202       | 3            |
| 13/05/24 11:55                              | 73          | 35                       | 108                      | 2                        | 16.3       | 78        | 4.4         | 202       | 4            |
| 13/05/24 12:00                              | 64          | 33                       | 97                       | 2                        | 16.1       | 75        | 4.9         | 209       | 4            |
| 13/05/24 12:05                              | 35          | 22                       | 57                       | 2                        | 16.0       | 77        | 5.5         | 209       | 3            |
| 13/05/24 12:10                              | 23          | 19                       | 42                       | 2                        | 15.9       | 81        | 5.8         | 209       | 4            |
| 13/05/24 12:15                              | 11          | 4                        | 15                       | 2                        | 15.5       | 85        | 5.3         | 208       | 3            |
| 13/05/24 12:20                              | 6           | 7                        | 13                       | 1                        | 15.2       | 86        | 5.4         | 209       | 4            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 13/05/24 12:25 | 5           | 7                        | 12                       | 1                        | 15.1       | 87        | 4.4         | 206       | 5            |
| 13/05/24 12:30 | 5           | 7                        | 12                       | 1                        | 14.9       | 87        | 4.2         | 208       | 4            |
| 13/05/24 12:35 | 4           | 7                        | 11                       | 1                        | 14.9       | 87        | 3.7         | 202       | 6            |
| 13/05/24 12:40 | 4           | 6                        | 11                       | 1                        | 14.8       | 87        | 3.8         | 203       | 5            |
| 13/05/24 12:45 | 4           | 6                        | 10                       | 1                        | 14.7       | 88        | 4.2         | 213       | 4            |
| 13/05/24 12:50 | 4           | 6                        | 9                        | 1                        | 14.9       | 88        | 3.5         | 211       | 8            |
| 13/05/24 12:55 | 3           | 5                        | 8                        | 1                        | 15.0       | 86        | 3.2         | 206       | 7            |
| 13/05/24 13:00 | 13          | 1                        | 15                       | 1                        | 15.4       | 84        | 3.7         | 199       | 4            |
| 13/05/24 13:05 | 3           | 7                        | 10                       | 1                        | 15.5       | 83        | 4.2         | 200       | 5            |
| 13/05/24 13:10 | 3           | 6                        | 9                        | 1                        | 15.6       | 84        | 3.6         | 201       | 5            |
| 13/05/24 13:15 | 3           | 6                        | 9                        | 1                        | 15.7       | 83        | 3.1         | 200       | 4            |
| 13/05/24 13:20 | 3           | 6                        | 9                        | 1                        | 15.9       | 82        | 3.3         | 199       | 4            |
| 13/05/24 13:25 | 3           | 5                        | 9                        | 1                        | 16.1       | 83        | 3.1         | 196       | 9            |
| 13/05/24 13:30 | 6           | 4                        | 10                       | 1                        | 16.7       | 80        | 2.2         | 183       | 12           |
| 13/05/24 13:35 | 7           | 6                        | 13                       | 1                        | 17.3       | 76        | 2.3         | 176       | 13           |
| 13/05/24 13:40 | 10          | 16                       | 26                       | 1                        | 17.5       | 75        | 1.6         | 164       | 21           |
| 13/05/24 13:45 | 12          | 11                       | 23                       | 1                        | 17.9       | 74        | 0.8         | 147       | 29           |
| 13/05/24 13:50 | 8           | 4                        | 12                       | 1                        | 18.2       | 72        | 1.6         | 122       | 14           |
| 13/05/24 13:55 | 3           | 4                        | 7                        | 1                        | 17.8       | 74        | 2.1         | 110       | 6            |
| 13/05/24 14:00 | 3           | 4                        | 7                        | 1                        | 17.7       | 74        | 1.1         | 130       | 19           |
| 13/05/24 14:05 | 2           | 4                        | 7                        | 1                        | 18.1       | 72        | 1.0         | 138       | 17           |
| 13/05/24 14:10 | 2           | 4                        | 7                        | 1                        | 18.4       | 72        | 1.4         | 119       | 10           |
| 13/05/24 14:15 | 2           | 4                        | 7                        | 1                        | 18.3       | 71        | 1.2         | 123       | 15           |
| 13/05/24 14:20 | 2           | 4                        | 7                        | 1                        | 18.3       | 68        | 1.2         | 127       | 17           |
| 13/05/24 14:25 | 2           | 5                        | 7                        | 1                        | 18.6       | 67        | 1.3         | 157       | 22           |
| 13/05/24 14:30 | 4           | 9                        | 13                       | 1                        | 18.9       | 67        | 1.3         | 167       | 26           |
| 13/05/24 14:35 | 6           | 9                        | 15                       | 1                        | 19.0       | 68        | 1.9         | 171       | 16           |
| 13/05/24 14:40 | 10          | 11                       | 21                       | 1                        | 18.7       | 70        | 1.5         | 166       | 19           |
| 13/05/24 14:45 | 13          | 12                       | 26                       | 1                        | 18.6       | 71        | 0.8         | 163       | 35           |
| 13/05/24 14:50 | 2           | 6                        | 7                        | 1                        | 18.4       | 72        | 1.1         | 163       | 29           |
| 13/05/24 14:55 | 2           | 6                        | 8                        | 1                        | 18.0       | 73        | 1.4         | 167       | 23           |
| 13/05/24 15:00 | 2           | 5                        | 7                        | 1                        | 17.7       | 74        | 1.5         | 169       | 24           |
| 13/05/24 15:05 | 2           | 6                        | 8                        | 1                        | 17.6       | 75        | 0.8         | 168       | 35           |
| 13/05/24 15:10 | 3           | 10                       | 14                       | 1                        | 17.7       | 76        | 0.9         | 168       | 34           |
| 13/05/24 15:15 | 3           | 7                        | 10                       | 1                        | 17.5       | 77        | 1.2         | 158       | 27           |
| 13/05/24 15:20 | 3           | 6                        | 10                       | 1                        | 17.5       | 77        | 0.9         | 180       | 29           |
| 13/05/24 15:25 | 3           | 6                        | 10                       | 1                        | 17.3       | 76        | 1.0         | 147       | 23           |
| 13/05/24 15:30 | 3           | 2                        | 5                        | 1                        | 17.2       | 77        | 1.1         | 155       | 21           |
| 13/05/24 15:35 | 2           | 2                        | 4                        | 1                        | 17.2       | 77        | 1.1         | 139       | 21           |
| 13/05/24 15:40 | 1           | 2                        | 3                        | 1                        | 17.1       | 78        | 1.2         | 142       | 18           |
| 13/05/24 15:45 | 1           | 2                        | 3                        | 1                        | 17.0       | 79        | 1.0         | 136       | 25           |
| 13/05/24 15:50 | 1           | 2                        | 3                        | 1                        | 17.1       | 79        | 0.9         | 133       | 21           |
| 13/05/24 15:55 | 0           | 2                        | 3                        | 1                        | 17.1       | 78        | 0.8         | 128       | 21           |
| 13/05/24 16:00 | 0           | 2                        | 3                        | 1                        | 17.2       | 78        | 1.0         | 132       | 17           |
| 13/05/24 16:05 | 0           | 3                        | 3                        | 1                        | 17.1       | 79        | 1.1         | 122       | 15           |
| 13/05/24 16:10 | 0           | 3                        | 3                        | 1                        | 17.2       | 79        | 1.1         | 103       | 13           |
| 13/05/24 16:15 | 0           | 3                        | 3                        | 1                        | 17.1       | 77        | 0.9         | 100       | 18           |
| 13/05/24 16:20 | 1           | 3                        | 4                        | 1                        | 17.2       | 77        | 0.6         | 162       | 33           |
| 13/05/24 16:25 | 0           | 3                        | 4                        | 1                        | 17.1       | 77        | 0.6         | 176       | 38           |
| 13/05/24 16:30 | 1           | 4                        | 4                        | 1                        | 17.2       | 77        | 0.6         | 159       | 23           |
| 13/05/24 16:35 | 1           | 4                        | 4                        | 1                        | 17.1       | 76        | 0.3         | 185       | 54           |
| 13/05/24 16:40 | 1           | 4                        | 4                        | 1                        | 17.2       | 77        | 0.2         | 151       | 67           |
| 13/05/24 16:45 | 0           | 4                        | 4                        | 1                        | 17.1       | 76        | 0.4         | 84        | 24           |
| 13/05/24 16:50 | 0           | 4                        | 4                        | 1                        | 17.1       | 76        | 0.4         | 63        | 17           |
| 13/05/24 16:55 | 0           | 4                        | 4                        | 1                        | 17.1       | 76        | 0.4         | 94        | 26           |
| 13/05/24 17:00 | 0           | 4                        | 4                        | 1                        | 17.1       | 76        | 0.4         | 111       | 11           |
| 13/05/24 17:05 | 0           | 4                        | 5                        | 1                        | 17.1       | 76        | 0.4         | 144       | 25           |
| 13/05/24 17:10 | 0           | 4                        | 5                        | 1                        | 17.2       | 76        | 0.4         | 145       | 53           |
| 13/05/24 17:15 | 0           | 5                        | 5                        | 1                        | 17.1       | 78        | 1.3         | 239       | 22           |
| 13/05/24 17:20 | 1           | 8                        | 8                        | 1                        | 17.4       | 75        | 1.9         | 243       | 7            |
| 13/05/24 17:25 | 3           | 33                       | 36                       | 1                        | 17.6       | 75        | 2.0         | 238       | 6            |
| 13/05/24 17:30 | 11          | 29                       | 39                       | 1                        | 17.6       | 75        | 1.8         | 229       | 6            |
| 13/05/24 17:35 | 5           | 26                       | 31                       | 1                        | 17.5       | 76        | 1.7         | 232       | 6            |
| 13/05/24 17:40 | 4           | 25                       | 30                       | 1                        | 17.5       | 76        | 2.0         | 232       | 11           |
| 13/05/24 17:45 | 3           | 18                       | 20                       | 1                        | 17.5       | 78        | 2.3         | 226       | 7            |
| 13/05/24 17:50 | 0           | 13                       | 13                       | 1                        | 17.3       | 79        | 3.1         | 228       | 7            |
| 13/05/24 17:55 | 0           | 9                        | 9                        | 1                        | 17.6       | 75        | 4.0         | 232       | 5            |
| 13/05/24 18:00 | 0           | 6                        | 6                        | 1                        | 17.7       | 77        | 3.1         | 229       | 8            |
| 13/05/24 18:05 | 0           | 7                        | 7                        | 1                        | 17.5       | 80        | 2.8         | 222       | 8            |
| 13/05/24 18:10 | 0           | 7                        | 8                        | 1                        | 17.3       | 81        | 3.1         | 222       | 5            |
| 13/05/24 18:15 | 0           | 7                        | 7                        | 1                        | 17.3       | 82        | 3.3         | 217       | 5            |
| 13/05/24 18:20 | 0           | 7                        | 7                        | 1                        | 17.3       | 78        | 5.0         | 228       | 6            |
| 13/05/24 18:25 | 1           | 8                        | 9                        | 1                        | 17.6       | 76        | 4.9         | 236       | 4            |
| 13/05/24 18:30 | 11          | 20                       | 30                       | 1                        | 17.4       | 75        | 5.5         | 235       | 5            |
| 13/05/24 18:35 | 0           | 4                        | 4                        | 1                        | 17.4       | 76        | 5.3         | 240       | 6            |
| 13/05/24 18:40 | 0           | 4                        | 4                        | 1                        | 17.3       | 76        | 5.7         | 239       | 7            |
| 13/05/24 18:45 | 0           | 4                        | 4                        | 1                        | 17.2       | 76        | 5.5         | 240       | 5            |
| 13/05/24 18:50 | 1           | 9                        | 10                       | 1                        | 17.1       | 76        | 4.8         | 245       | 8            |
| 13/05/24 18:55 | 2           | 11                       | 13                       | 1                        | 17.1       | 76        | 5.9         | 246       | 7            |
| 13/05/24 19:00 | 1           | 9                        | 10                       | 1                        | 17.1       | 76        | 5.7         | 242       | 5            |
| 13/05/24 19:05 | 1           | 6                        | 6                        | 1                        | 16.9       | 77        | 5.8         | 241       | 7            |
| 13/05/24 19:10 | 0           | 4                        | 5                        | 1                        | 16.8       | 77        | 4.9         | 239       | 6            |
| 13/05/24 19:15 | 1           | 5                        | 6                        | 1                        | 16.7       | 78        | 5.3         | 238       | 5            |
| 13/05/24 19:20 | 1           | 4                        | 5                        | 1                        | 16.7       | 79        | 5.6         | 238       | 6            |
| 13/05/24 19:25 | 1           | 4                        | 4                        | 1                        | 16.6       | 79        | 5.7         | 237       | 6            |
| 13/05/24 19:30 | 0           | 4                        | 4                        | 1                        | 16.5       | 79        | 5.8         | 236       | 5            |
| 13/05/24 19:35 | 0           | 3                        | 4                        | 1                        | 16.5       | 79        | 5.5         | 244       | 4            |
| 13/05/24 19:40 | 0           | 3                        | 4                        | 1                        | 16.4       | 81        | 5.4         | 239       | 7            |
| 13/05/24 19:45 | 0           | 3                        | 4                        | 1                        | 16.4       | 85        | 5.5         | 230       | 5            |
| 13/05/24 19:50 | 0           | 3                        | 3                        | 1                        | 16.4       | 82        | 5.3         | 239       | 8            |
| 13/05/24 19:55 | 0           | 3                        | 3                        | 1                        | 16.3       | 77        | 6.6         | 237       | 7            |
| 13/05/24 20:00 | 0           | 3                        | 3                        | 0                        | 16.2       | 75        | 7.0         | 237       | 6            |
| 13/05/24 20:05 | 0           | 2                        | 3                        | 0                        | 16.1       | 75        | 6.4         | 236       | 6            |
| 13/05/24 20:10 | 0           | 2                        | 3                        | 0                        | 15.9       | 76        | 6.2         | 236       | 6            |
| 13/05/24 20:15 | 0           | 3                        | 4                        | 0                        | 15.8       | 75        | 5.0         | 243       | 8            |
| 13/05/24 20:20 | 1           | 7                        | 8                        | 0                        | 15.7       | 76        | 5.2         | 241       | 7            |
| 13/05/24 20:25 | 1           | 4                        | 5                        | 0                        | 15.7       | 76        | 5.9         | 239       | 9            |
| 13/05/24 20:30 | 1           | 4                        | 4                        | 0                        | 15.6       | 76        | 5.9         | 244       | 6            |
| 13/05/24 20:35 | 0           | 5                        | 5                        | 0                        | 15.6       | 76        | 5.3         | 243       | 7            |
| 13/05/24 20:40 | 1           | 10                       | 10                       | 0                        | 15.5       | 75        | 5.3         | 242       | 8            |
| 13/05/24 20:45 | 1           | 13                       | 14                       | 0                        | 15.6       | 75        | 5.3         | 241       | 6            |
| 13/05/24 20:50 | 1           | 13                       | 14                       | 1                        | 15.5       | 76        | 4.7         | 244       | 7            |
| 13/05/24 20:55 | 2           | 14                       | 16                       | 1                        | 15.5       | 76        | 5.3         | 242       | 6            |
| 13/05/24 21:00 | 2           | 11                       | 12                       | 1                        | 15.5       | 76        | 4.8         | 247       | 7            |
| 13/05/24 21:05 | 2           | 19                       | 21                       | 1                        | 15.5       | 76        | 4.2         | 249       | 7            |
| 13/05/24 21:10 | 3           | 21                       | 24                       | 1                        | 15.4       | 75        | 3.9         | 251       | 8            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 13/05/24 21:15                              | 3           | 19                       | 23                       | 1                        | 15.3       | 75        | 3.9         | 256       | 5            |
| 13/05/24 21:20                              | 4           | 24                       | 28                       | 1                        | 15.3       | 75        | 3.7         | 253       | 9            |
| 13/05/24 21:25                              | 5           | 28                       | 33                       | 1                        | 15.3       | 76        | 3.4         | 256       | 8            |
| 13/05/24 21:30                              | 5           | 21                       | 27                       | 1                        | 15.2       | 75        | 3.6         | 254       | 9            |
| 13/05/24 21:35                              | 5           | 19                       | 24                       | 1                        | 15.3       | 75        | 3.5         | 258       | 8            |
| 13/05/24 21:40                              | 4           | 17                       | 20                       | 1                        | 15.2       | 75        | 3.5         | 261       | 5            |
| 13/05/24 21:45                              | 3           | 13                       | 16                       | 1                        | 15.2       | 74        | 4.1         | 264       | 7            |
| 13/05/24 21:50                              | 2           | 10                       | 12                       | 1                        | 15.2       | 73        | 3.5         | 256       | 8            |
| 13/05/24 21:55                              | 1           | 13                       | 14                       | 1                        | 15.2       | 72        | 4.0         | 252       | 7            |
| 13/05/24 22:00                              | 1           | 14                       | 15                       | 1                        | 15.2       | 71        | 3.8         | 250       | 9            |
| 13/05/24 22:05                              | 1           | 13                       | 14                       | 1                        | 15.3       | 71        | 3.8         | 248       | 9            |
| 13/05/24 22:10                              | 1           | 13                       | 14                       | 1                        | 15.3       | 71        | 3.8         | 251       | 8            |
| 13/05/24 22:15                              | 1           | 12                       | 13                       | 1                        | 15.3       | 70        | 3.9         | 244       | 8            |
| 13/05/24 22:20                              | 1           | 10                       | 11                       | 1                        | 15.3       | 70        | 3.9         | 248       | 7            |
| 13/05/24 22:25                              | 1           | 9                        | 9                        | 1                        | 15.3       | 70        | 3.6         | 251       | 8            |
| 13/05/24 22:30                              | 1           | 12                       | 13                       | 1                        | 15.2       | 70        | 3.5         | 254       | 10           |
| 13/05/24 22:35                              | 1           | 15                       | 15                       | 1                        | 15.3       | 71        | 3.8         | 261       | 6            |
| 13/05/24 22:40                              | 1           | 14                       | 15                       | 1                        | 15.1       | 71        | 4.1         | 258       | 5            |
| 13/05/24 22:45                              | 1           | 14                       | 15                       | 1                        | 15.1       | 72        | 3.6         | 261       | 5            |
| 13/05/24 22:50                              | 1           | 13                       | 14                       | 1                        | 15.1       | 72        | 4.0         | 261       | 6            |
| 13/05/24 22:55                              | 1           | 13                       | 14                       | 1                        | 15.1       | 71        | 3.7         | 259       | 7            |
| 13/05/24 23:00                              | 1           | 14                       | 15                       | 1                        | 15.1       | 72        | 3.8         | 261       | 8            |
| 13/05/24 23:05                              | 1           | 15                       | 16                       | 1                        | 15.1       | 71        | 3.7         | 253       | 9            |
| 13/05/24 23:10                              | 1           | 15                       | 16                       | 1                        | 15.1       | 70        | 4.1         | 243       | 6            |
| 13/05/24 23:15                              | 22          | 26                       | 48                       | 1                        | 15.1       | 70        | 4.0         | 242       | 8            |
| 13/05/24 23:20                              | 53          | 26                       | 79                       | 1                        | 15.1       | 70        | 3.4         | 254       | 10           |
| 13/05/24 23:25                              | 6           | 21                       | 27                       | 1                        | 15.1       | 70        | 3.4         | 257       | 11           |
| 13/05/24 23:30                              | 3           | 16                       | 20                       | 1                        | 15.0       | 70        | 3.6         | 256       | 8            |
| 13/05/24 23:35                              | 2           | 14                       | 16                       | 2                        | 15.0       | 70        | 3.9         | 255       | 10           |
| 13/05/24 23:40                              | 4           | 23                       | 27                       | 2                        | 14.9       | 70        | 3.5         | 243       | 9            |
| 13/05/24 23:45                              | 13          | 26                       | 39                       | 2                        | 14.9       | 70        | 3.6         | 242       | 13           |
| 13/05/24 23:50                              | 4           | 17                       | 22                       |                          | 15.0       | 67        | 3.5         | 247       | 10           |
| 13/05/24 23:55                              | 7           | 24                       | 31                       |                          | 15.0       | 66        | 3.4         | 248       | 8            |
| 14/05/24 00:00                              | 6           | 19                       | 25                       | 2                        | 15.0       | 67        | 3.1         | 263       | 10           |
| 14/05/24 00:05                              | 2           | 11                       | 13                       | 2                        | 15.0       | 68        | 2.3         | 277       | 14           |
| 14/05/24 00:10                              | 1           | 9                        | 10                       | 2                        | 14.8       | 67        | 1.9         | 292       | 13           |
| 14/05/24 00:15                              | 1           | 9                        | 9                        | 2                        | 14.7       | 67        | 1.9         | 295       | 14           |
| 14/05/24 00:20                              | 0           | 8                        | 9                        | 2                        | 14.7       | 66        | 2.0         | 298       | 14           |
| 14/05/24 00:25                              | 0           | 9                        | 9                        | 2                        | 14.8       | 67        | 2.0         | 290       | 13           |
| 14/05/24 00:30                              | 0           | 9                        | 10                       | 2                        | 14.7       | 66        | 2.1         | 298       | 9            |
| 14/05/24 00:35                              | 0           | 10                       | 10                       | 2                        | 14.8       | 66        | 1.8         | 284       | 17           |
| 14/05/24 00:40                              | 0           | 11                       | 11                       | 2                        | 14.9       | 69        | 1.9         | 290       | 14           |
| 14/05/24 00:45                              | 0           | 12                       | 12                       | 2                        | 14.9       | 69        | 1.6         | 278       | 17           |
| 14/05/24 00:50                              | 0           | 14                       | 14                       | 2                        | 14.8       | 69        | 2.0         | 274       | 14           |
| 14/05/24 00:55                              | 0           | 14                       | 15                       | 2                        | 14.9       | 68        | 3.2         | 264       | 9            |
| 14/05/24 01:00                              | 1           | 14                       | 15                       | 2                        | 14.9       | 67        | 3.5         | 262       | 11           |
| 14/05/24 01:05                              |             |                          |                          |                          | 15.1       | 67        | 3.9         | 257       | 6            |
| 14/05/24 01:10                              |             |                          |                          |                          | 15.0       | 66        | 3.8         | 243       | 13           |
| 14/05/24 01:15                              |             |                          |                          |                          | 15.1       | 66        | 3.9         | 247       | 8            |
| 14/05/24 01:20                              |             |                          |                          |                          | 14.9       | 67        | 3.8         | 250       | 10           |
| 14/05/24 01:25                              |             |                          |                          |                          | 14.9       | 67        | 4.1         | 247       | 10           |
| 14/05/24 01:30                              |             |                          |                          |                          | 14.9       | 66        | 4.3         | 251       | 9            |
| 14/05/24 01:35                              |             |                          |                          |                          | 14.9       | 64        | 4.4         | 253       | 10           |
| 14/05/24 01:40                              |             |                          |                          |                          | 14.9       | 60        | 4.8         | 256       | 7            |
| 14/05/24 01:45                              |             |                          |                          |                          | 14.9       | 61        | 4.0         | 255       | 9            |
| 14/05/24 01:50                              |             |                          |                          |                          | 14.9       | 63        | 3.8         | 264       | 7            |
| 14/05/24 01:55                              |             |                          |                          |                          | 14.9       | 62        | 3.7         | 264       | 7            |
| 14/05/24 02:00                              |             |                          |                          |                          | 14.9       | 63        | 2.8         | 274       | 12           |
| 14/05/24 02:05                              | 0           | 10                       | 10                       | 2                        | 14.8       | 63        | 2.9         | 268       | 10           |
| 14/05/24 02:10                              | 0           | 10                       | 10                       | 1                        | 14.9       | 63        | 2.6         | 265       | 12           |
| 14/05/24 02:15                              | 0           | 10                       | 11                       | 1                        | 14.9       | 64        | 1.7         | 279       | 12           |
| 14/05/24 02:20                              | 0           | 10                       | 10                       | 2                        | 14.8       | 64        | 1.6         | 287       | 13           |
| 14/05/24 02:25                              | 0           | 9                        | 10                       | 1                        | 14.6       | 65        | 1.5         | 283       | 19           |
| 14/05/24 02:30                              | 0           | 9                        | 9                        | 2                        | 14.6       | 63        | 2.6         | 277       | 9            |
| 14/05/24 02:35                              | 0           | 8                        | 9                        | 2                        | 14.8       | 64        | 2.2         | 276       | 8            |
| 14/05/24 02:40                              | 0           | 10                       | 10                       | 2                        | 14.8       | 64        | 2.6         | 272       | 12           |
| 14/05/24 02:45                              | 0           | 10                       | 10                       | 2                        | 14.8       | 63        | 3.9         | 261       | 11           |
| 14/05/24 02:50                              | 0           | 9                        | 10                       | 2                        | 14.8       | 63        | 3.5         | 263       | 8            |
| 14/05/24 02:55                              | 0           | 9                        | 9                        | 1                        | 14.9       | 64        | 3.6         | 266       | 8            |
| 14/05/24 03:00                              | 0           | 8                        | 8                        | 1                        | 14.9       | 64        | 3.4         | 263       | 5            |
| 14/05/24 03:05                              | 0           | 8                        | 8                        | 1                        | 14.8       | 63        | 3.6         | 260       | 5            |
| 14/05/24 03:10                              | 0           | 9                        | 9                        | 2                        | 14.8       | 64        | 3.5         | 255       | 7            |
| 14/05/24 03:15                              | 0           | 11                       | 12                       | 2                        | 14.7       | 65        | 3.0         | 258       | 8            |
| 14/05/24 03:20                              | 0           | 12                       | 12                       | 2                        | 14.7       | 66        | 3.2         | 264       | 8            |
| 14/05/24 03:25                              | 0           | 9                        | 9                        | 2                        | 14.8       | 65        | 4.0         | 260       | 6            |
| 14/05/24 03:30                              | 0           | 8                        | 9                        | 1                        | 14.7       | 65        | 3.2         | 267       | 9            |
| 14/05/24 03:35                              | 0           | 9                        | 9                        | 2                        | 14.7       | 64        | 3.5         | 273       | 7            |
| 14/05/24 03:40                              | 0           | 8                        | 8                        | 2                        | 14.7       | 66        | 2.2         | 273       | 14           |
| 14/05/24 03:45                              | 0           | 8                        | 8                        | 2                        | 14.6       | 65        | 3.1         | 269       | 8            |
| 14/05/24 03:50                              | 0           | 8                        | 8                        | 1                        | 14.6       | 65        | 2.9         | 272       | 9            |
| 14/05/24 03:55                              | 0           | 9                        | 9                        | 1                        | 14.5       | 65        | 3.4         | 261       | 7            |
| 14/05/24 04:00                              | 0           | 10                       | 10                       | 1                        | 14.6       | 64        | 3.6         | 256       | 10           |
| 14/05/24 04:05                              | 1           | 13                       | 14                       | 1                        | 14.6       | 64        | 3.5         | 247       | 9            |
| 14/05/24 04:10                              | 1           | 19                       | 20                       | 1                        | 14.6       | 64        | 3.5         | 247       | 9            |
| 14/05/24 04:15                              | 1           | 15                       | 16                       | 2                        | 14.6       | 64        | 4.4         | 255       | 8            |
| 14/05/24 04:20                              | 1           | 14                       | 16                       | 2                        | 14.5       | 65        | 4.1         | 251       | 11           |
| 14/05/24 04:25                              | 2           | 15                       | 17                       | 2                        | 14.5       | 64        | 4.9         | 250       | 11           |
| 14/05/24 04:30                              | 2           | 13                       | 15                       | 2                        | 14.6       | 62        | 5.2         | 247       | 10           |
| 14/05/24 04:35                              | 2           | 13                       | 14                       | 2                        | 14.7       | 63        | 3.9         | 252       | 9            |
| 14/05/24 04:40                              | 1           | 13                       | 15                       | 2                        | 14.6       | 63        | 3.6         | 245       | 9            |
| 14/05/24 04:45                              | 1           | 14                       | 15                       | 2                        | 14.7       | 63        | 3.1         | 253       | 10           |
| 14/05/24 04:50                              | 1           | 17                       | 18                       | 2                        | 14.6       | 63        | 3.7         | 251       | 9            |
| 14/05/24 04:55                              | 2           | 18                       | 19                       | 2                        | 14.6       | 62        | 4.1         | 255       | 8            |
| 14/05/24 05:00                              | 1           | 17                       | 18                       | 2                        | 14.7       | 63        | 4.1         | 260       | 12           |
| 14/05/24 05:05                              | 1           | 12                       | 13                       | 2                        | 14.5       | 64        | 3.8         | 271       | 7            |
| 14/05/24 05:10                              | 1           | 4                        | 5                        | 2                        | 14.5       | 64        | 3.7         | 268       | 6            |
| 14/05/24 05:15                              | 1           | 5                        | 5                        | 2                        | 14.5       | 63        | 3.4         | 266       | 5            |
| 14/05/24 05:20                              | 1           | 7                        | 7                        | 2                        | 14.4       | 63        | 2.5         | 272       | 10           |
| 14/05/24 05:25                              | 1           | 14                       | 14                       | 2                        | 14.5       | 63        | 2.1         | 274       | 12           |
| 14/05/24 05:30                              | 1           | 16                       | 17                       | 2                        | 14.4       | 64        | 2.7         | 271       | 11           |
| 14/05/24 05:35                              | 1           | 21                       | 23                       | 2                        | 14.5       | 63        | 3.4         | 269       | 8            |
| 14/05/24 05:40                              | 2           | 18                       | 20                       | 2                        | 14.6       | 64        | 3.3         | 270       | 11           |
| 14/05/24 05:45                              | 2           | 19                       | 20                       | 2                        | 14.5       | 62        | 3.0         | 275       | 13           |
| 14/05/24 05:50                              | 2           | 29                       | 31                       | 2                        | 14.5       | 63        | 3.5         | 272       | 9            |
| 14/05/24 05:55                              | 19          | 35                       | 54                       | 2                        | 14.6       | 63        | 4.3         | 268       | 7            |
| 14/05/24 06:00                              | 11          | 25                       | 35                       | 2                        | 14.5       | 62        | 5.0         | 265       | 5            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 14/05/24 06:05 | 4           | 19                       | 24                       | 2                        | 14.5       | 62        | 5.0         | 269       | 5            |
| 14/05/24 06:10 | 6           | 24                       | 30                       | 2                        | 14.6       | 63        | 4.5         | 269       | 6            |
| 14/05/24 06:15 | 5           | 21                       | 26                       | 1                        | 14.7       | 63        | 4.2         | 268       | 8            |
| 14/05/24 06:20 | 4           | 22                       | 27                       | 1                        | 14.6       | 62        | 4.3         | 264       | 7            |
| 14/05/24 06:25 | 3           | 21                       | 24                       | 1                        | 14.7       | 62        | 4.5         | 265       | 8            |
| 14/05/24 06:30 | 3           | 24                       | 27                       | 1                        | 14.6       | 63        | 5.2         | 264       | 6            |
| 14/05/24 06:35 | 2           | 14                       | 16                       | 2                        | 14.5       | 64        | 5.1         | 261       | 5            |
| 14/05/24 06:40 | 2           | 13                       | 15                       | 2                        | 14.6       | 63        | 5.3         | 258       | 6            |
| 14/05/24 06:45 | 1           | 13                       | 15                       | 2                        | 14.6       | 63        | 5.4         | 258       | 7            |
| 14/05/24 06:50 | 2           | 16                       | 17                       | 1                        | 14.6       | 63        | 4.9         | 258       | 6            |
| 14/05/24 06:55 | 2           | 17                       | 19                       | 1                        | 14.5       | 64        | 5.2         | 257       | 8            |
| 14/05/24 07:00 | 2           | 18                       | 20                       | 2                        | 14.6       | 65        | 5.0         | 256       | 8            |
| 14/05/24 07:05 | 2           | 19                       | 21                       | 1                        | 14.6       | 63        | 5.4         | 257       | 6            |
| 14/05/24 07:10 | 3           | 21                       | 23                       | 2                        | 14.6       | 63        | 5.3         | 261       | 5            |
| 14/05/24 07:15 | 2           | 15                       | 17                       | 2                        | 14.5       | 63        | 5.4         | 259       | 7            |
| 14/05/24 07:20 | 2           | 12                       | 14                       | 2                        | 14.6       | 63        | 4.3         | 260       | 6            |
| 14/05/24 07:25 | 2           | 10                       | 12                       | 2                        | 14.6       | 63        | 4.9         | 260       | 5            |
| 14/05/24 07:30 | 2           | 15                       | 17                       | 2                        | 14.6       | 63        | 5.0         | 260       | 5            |
| 14/05/24 07:35 | 2           | 21                       | 23                       | 2                        | 14.5       | 63        | 4.4         | 263       | 6            |
| 14/05/24 07:40 | 4           | 28                       | 32                       | 2                        | 14.5       | 63        | 4.5         | 258       | 6            |
| 14/05/24 07:45 | 7           | 30                       | 37                       | 2                        | 14.6       | 63        | 4.0         | 258       | 5            |
| 14/05/24 07:50 | 9           | 28                       | 37                       | 2                        | 14.6       | 63        | 3.9         | 252       | 10           |
| 14/05/24 07:55 | 8           | 26                       | 34                       | 2                        | 14.6       | 63        | 2.8         | 256       | 8            |
| 14/05/24 08:00 | 8           | 26                       | 33                       | 2                        | 14.6       | 62        | 2.7         | 237       | 10           |
| 14/05/24 08:05 | 7           | 26                       | 33                       | 2                        | 14.7       | 62        | 2.7         | 250       | 14           |
| 14/05/24 08:10 | 7           | 24                       | 30                       | 2                        | 14.7       | 61        | 4.2         | 256       | 8            |
| 14/05/24 08:15 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:20 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:25 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:30 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:35 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:40 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:45 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:50 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 08:55 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:00 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:05 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:10 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:15 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:20 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:25 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:30 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:35 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:40 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:45 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:50 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 09:55 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:00 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:05 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:10 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:15 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:20 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:25 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:30 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:35 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:40 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:45 |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:50 | 2           | 6                        | 9                        | 2                        | 15.2       | 65        | 4.1         | 257       | 9            |
| 14/05/24 10:55 | 3           | 6                        | 9                        | 2                        | 15.1       | 65        | 4.1         | 257       | 7            |
| 14/05/24 11:00 | 2           | 6                        | 8                        | 2                        | 15.2       | 65        | 4.2         | 265       | 5            |
| 14/05/24 11:05 | 2           | 6                        | 8                        | 1                        | 15.4       | 64        | 4.1         | 258       | 7            |
| 14/05/24 11:10 | 3           | 6                        | 9                        | 1                        | 15.5       | 64        | 3.9         | 247       | 11           |
| 14/05/24 11:15 | 2           | 6                        | 8                        | 1                        | 15.6       | 65        | 4.6         | 232       | 7            |
| 14/05/24 11:20 | 2           | 4                        | 6                        | 1                        | 15.5       | 67        | 5.1         | 229       | 6            |
| 14/05/24 11:25 | 2           | 2                        | 4                        | 1                        | 15.4       | 67        | 4.9         | 228       | 4            |
| 14/05/24 11:30 | 1           | 2                        | 4                        | 1                        | 15.5       | 68        | 5.1         | 231       | 6            |
| 14/05/24 11:35 | 1           | 2                        | 3                        | 1                        | 15.5       | 67        | 5.3         | 235       | 4            |
| 14/05/24 11:40 | 1           | 2                        | 3                        | 1                        | 15.5       | 68        | 4.9         | 231       | 5            |
| 14/05/24 11:45 | 1           | 2                        | 3                        | 1                        | 15.4       | 68        | 4.8         | 229       | 4            |
| 14/05/24 11:50 | 1           | 2                        | 3                        | 1                        | 15.5       | 67        | 4.6         | 232       | 6            |
| 14/05/24 11:55 | 1           | 3                        | 3                        | 1                        | 15.5       | 66        | 4.0         | 238       | 8            |
| 14/05/24 12:00 | 1           | 3                        | 4                        | 1                        | 15.7       | 67        | 3.6         | 234       | 8            |
| 14/05/24 12:05 | 1           | 3                        | 4                        | 1                        | 15.7       | 66        | 3.8         | 226       | 4            |
| 14/05/24 12:10 | 1           | 3                        | 4                        | 1                        | 15.9       | 67        | 4.3         | 224       | 5            |
| 14/05/24 12:15 | 1           | 3                        | 3                        | 1                        | 15.9       | 66        | 4.4         | 227       | 4            |
| 14/05/24 12:20 | 1           | 2                        | 3                        | 1                        | 16.0       | 66        | 4.2         | 223       | 6            |
| 14/05/24 12:25 | 1           | 2                        | 3                        | 1                        | 15.9       | 65        | 4.2         | 221       | 6            |
| 14/05/24 12:30 | 1           | 2                        | 3                        | 1                        | 16.1       | 64        | 4.2         | 213       | 4            |
| 14/05/24 12:35 | 1           | 2                        | 2                        | 1                        | 16.1       | 63        | 4.2         | 214       | 3            |
| 14/05/24 12:40 | 1           | 2                        | 2                        | 1                        | 16.2       | 63        | 3.9         | 216       | 3            |
| 14/05/24 12:45 | 1           | 2                        | 2                        | 1                        | 16.1       | 67        | 3.9         | 200       | 6            |
| 14/05/24 12:50 | 1           | 2                        | 3                        | 1                        | 16.5       | 66        | 2.9         | 193       | 12           |
| 14/05/24 12:55 | 1           | 3                        | 4                        | 1                        | 16.6       | 65        | 3.7         | 199       | 7            |
| 14/05/24 13:00 | 1           | 4                        | 5                        | 1                        | 16.5       | 66        | 3.4         | 198       | 8            |
| 14/05/24 13:05 | 1           | 4                        | 5                        | 1                        | 16.5       | 66        | 3.2         | 197       | 8            |
| 14/05/24 13:10 | 2           | 4                        | 5                        | 1                        | 16.5       | 65        | 3.7         | 199       | 7            |
| 14/05/24 13:15 | 1           | 4                        | 5                        | 1                        | 16.4       | 64        | 3.7         | 197       | 8            |
| 14/05/24 13:20 | 1           | 3                        | 5                        | 1                        | 16.5       | 64        | 2.9         | 196       | 10           |
| 14/05/24 13:25 | 2           | 6                        | 8                        | 1                        | 16.8       | 63        | 2.5         | 185       | 13           |
| 14/05/24 13:30 | 49          | 39                       | 88                       | 2                        | 17.0       | 62        | 2.3         | 192       | 12           |
| 14/05/24 13:35 | 155         | 50                       | 205                      | 2                        | 17.2       | 61        | 2.3         | 184       | 14           |
| 14/05/24 13:40 | 209         | 35                       | 245                      | 2                        | 17.1       | 60        | 2.4         | 191       | 10           |
| 14/05/24 13:45 | 186         | 47                       | 232                      | 2                        | 17.3       | 59        | 1.8         | 179       | 20           |
| 14/05/24 13:50 | 16          | 14                       | 29                       | 2                        | 17.6       | 57        | 1.6         | 161       | 22           |
| 14/05/24 13:55 | 9           | 8                        | 16                       | 2                        | 18.0       | 56        | 0.9         | 165       | 29           |
| 14/05/24 14:00 | 11          | 12                       | 23                       | 2                        | 18.4       | 54        | 1.4         | 171       | 22           |
| 14/05/24 14:05 | 13          | 13                       | 27                       | 2                        | 18.3       | 55        | 1.4         | 166       | 25           |
| 14/05/24 14:10 | 12          | 13                       | 25                       | 2                        | 18.4       | 55        | 1.6         | 177       | 22           |
| 14/05/24 14:15 | 17          | 17                       | 34                       | 2                        | 18.3       | 54        | 1.7         | 160       | 22           |
| 14/05/24 14:20 | 8           | 12                       | 20                       | 2                        | 18.3       | 55        | 1.1         | 157       | 30           |
| 14/05/24 14:25 | 12          | 12                       | 24                       | 2                        | 18.6       | 54        | 1.1         | 164       | 26           |
| 14/05/24 14:30 | 10          | 10                       | 21                       | 2                        | 18.8       | 54        | 1.2         | 172       | 28           |
| 14/05/24 14:35 | 8           | 10                       | 18                       | 2                        | 18.9       | 53        | 0.8         | 163       | 39           |
| 14/05/24 14:40 | 6           | 9                        | 15                       | 2                        | 19.0       | 53        | 1.4         | 168       | 26           |
| 14/05/24 14:45 | 5           | 9                        | 14                       | 2                        | 18.6       | 54        | 1.4         | 158       | 30           |
| 14/05/24 14:50 | 3           | 6                        | 10                       | 2                        | 18.5       | 55        | 1.7         | 180       | 21           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 14/05/24 14:55 | 7           | 13                       | 20                       | 2                        | 18.3       | 55        | 1.7         | 170       | 23           |
| 14/05/24 15:00 | 15          | 15                       | 30                       | 2                        | 18.4       | 55        | 1.6         | 170       | 22           |
| 14/05/24 15:05 | 10          | 10                       | 20                       | 2                        | 18.6       | 55        | 1.9         | 176       | 16           |
| 14/05/24 15:10 | 13          | 13                       | 26                       | 2                        | 18.5       | 56        | 1.3         | 169       | 28           |
| 14/05/24 15:15 | 8           | 9                        | 17                       | 2                        | 18.5       | 56        | 1.6         | 166       | 23           |
| 14/05/24 15:20 | 4           | 6                        | 9                        | 2                        | 18.2       | 56        | 1.7         | 168       | 22           |
| 14/05/24 15:25 | 4           | 6                        | 10                       | 2                        | 18.3       | 56        | 1.4         | 164       | 27           |
| 14/05/24 15:30 | 2           | 9                        | 12                       | 2                        | 18.1       | 56        | 1.7         | 164       | 23           |
| 14/05/24 15:35 | 3           | 7                        | 9                        | 2                        | 18.1       | 57        | 1.1         | 160       | 32           |
| 14/05/24 15:40 | 4           | 7                        | 11                       | 1                        | 18.1       | 58        | 1.5         | 164       | 28           |
| 14/05/24 15:45 | 2           | 8                        | 10                       | 1                        | 18.2       | 58        | 1.2         | 167       | 25           |
| 14/05/24 15:50 | 2           | 6                        | 8                        | 1                        | 18.1       | 58        | 1.8         | 169       | 23           |
| 14/05/24 15:55 | 2           | 8                        | 10                       | 1                        | 17.7       | 59        | 2.2         | 146       | 18           |
| 14/05/24 16:00 | 2           | 8                        | 10                       | 1                        | 17.5       | 63        | 1.8         | 157       | 23           |
| 14/05/24 16:05 | 3           | 8                        | 11                       | 1                        | 17.2       | 66        | 2.2         | 150       | 19           |
| 14/05/24 16:10 | 4           | 11                       | 15                       | 1                        | 16.9       | 66        | 2.1         | 144       | 19           |
| 14/05/24 16:15 | 7           | 18                       | 24                       | 1                        | 16.9       | 66        | 2.2         | 140       | 18           |
| 14/05/24 16:20 | 3           | 3                        | 5                        | 1                        | 16.8       | 66        | 2.0         | 130       | 15           |
| 14/05/24 16:25 | 2           | 4                        | 6                        | 1                        | 16.9       | 66        | 1.6         | 133       | 18           |
| 14/05/24 16:30 | 2           | 10                       | 12                       | 1                        | 16.9       | 66        | 1.5         | 130       | 20           |
| 14/05/24 16:35 | 2           | 4                        | 6                        | 1                        | 16.7       | 66        | 1.7         | 135       | 14           |
| 14/05/24 16:40 | 2           | 4                        | 6                        | 1                        | 16.6       | 67        | 1.7         | 132       | 18           |
| 14/05/24 16:45 | 2           | 6                        | 7                        | 1                        | 16.5       | 67        | 1.4         | 136       | 23           |
| 14/05/24 16:50 | 2           | 5                        | 7                        | 1                        | 16.5       | 67        | 1.6         | 134       | 21           |
| 14/05/24 16:55 | 1           | 1                        | 3                        | 1                        | 16.4       | 68        | 1.6         | 134       | 16           |
| 14/05/24 17:00 | 1           | 1                        | 2                        | 1                        | 16.2       | 68        | 1.7         | 149       | 22           |
| 14/05/24 17:05 | 1           | 1                        | 1                        | 1                        | 16.0       | 69        | 1.6         | 145       | 18           |
| 14/05/24 17:10 | 0           | 1                        | 1                        | 1                        | 15.9       | 70        | 1.4         | 144       | 16           |
| 14/05/24 17:15 | 0           | 1                        | 1                        | 1                        | 15.7       | 70        | 1.4         | 145       | 16           |
| 14/05/24 17:20 | 0           | 1                        | 1                        | 1                        | 15.6       | 70        | 1.5         | 138       | 15           |
| 14/05/24 17:25 | 0           | 1                        | 1                        | 1                        | 15.6       | 69        | 1.5         | 135       | 16           |
| 14/05/24 17:30 | 0           | 1                        | 1                        | 1                        | 15.5       | 69        | 1.4         | 139       | 18           |
| 14/05/24 17:35 | 0           | 1                        | 1                        | 1                        | 15.5       | 69        | 1.3         | 143       | 17           |
| 14/05/24 17:40 | 0           | 1                        | 1                        | 1                        | 15.4       | 69        | 1.4         | 148       | 16           |
| 14/05/24 17:45 | 0           | 1                        | 1                        | 1                        | 15.4       | 70        | 1.2         | 151       | 21           |
| 14/05/24 17:50 | 0           | 1                        | 1                        | 1                        | 15.3       | 70        | 1.4         | 153       | 19           |
| 14/05/24 17:55 | 0           | 1                        | 1                        | 1                        | 15.3       | 69        | 1.1         | 147       | 19           |
| 14/05/24 18:00 | 0           | 1                        | 1                        | 1                        | 15.2       | 70        | 0.9         | 137       | 22           |
| 14/05/24 18:05 | 0           | 1                        | 1                        | 1                        | 15.2       | 70        | 0.9         | 127       | 20           |
| 14/05/24 18:10 | 0           | 1                        | 1                        | 1                        | 15.2       | 70        | 0.9         | 132       | 19           |
| 14/05/24 18:15 | 0           | 1                        | 1                        | 1                        | 15.1       | 70        | 0.7         | 134       | 24           |
| 14/05/24 18:20 | 0           | 1                        | 1                        | 1                        | 15.0       | 71        | 0.7         | 119       | 21           |
| 14/05/24 18:25 | 0           | 1                        | 1                        | 1                        | 15.1       | 72        | 0.8         | 115       | 16           |
| 14/05/24 18:30 | 0           | 1                        | 1                        | 1                        | 14.9       | 72        | 1.3         | 100       | 8            |
| 14/05/24 18:35 | 0           | 2                        | 2                        | 1                        | 14.7       | 73        | 1.1         | 110       | 10           |
| 14/05/24 18:40 | 0           | 3                        | 4                        | 1                        | 14.6       | 73        | 1.1         | 107       | 8            |
| 14/05/24 18:45 | 0           | 10                       | 11                       | 1                        | 14.6       | 72        | 1.0         | 112       | 9            |
| 14/05/24 18:50 | 0           | 15                       | 15                       | 1                        | 14.6       | 72        | 0.7         | 129       | 16           |
| 14/05/24 18:55 | 0           | 15                       | 16                       | 1                        | 14.5       | 73        | 0.5         | 132       | 17           |
| 14/05/24 19:00 | 0           | 16                       | 17                       | 1                        | 14.5       | 73        | 0.6         | 126       | 14           |
| 14/05/24 19:05 | 1           | 18                       | 18                       | 1                        | 14.4       | 72        | 0.7         | 125       | 16           |
| 14/05/24 19:10 | 1           | 16                       | 16                       | 1                        | 14.3       | 73        | 0.9         | 128       | 17           |
| 14/05/24 19:15 | 1           | 15                       | 15                       | 1                        | 14.3       | 72        | 0.7         | 115       | 20           |
| 14/05/24 19:20 | 1           | 15                       | 16                       | 1                        | 14.4       | 72        | 1.3         | 99        | 12           |
| 14/05/24 19:25 | 1           | 18                       | 19                       | 1                        | 14.2       | 71        | 1.4         | 94        | 7            |
| 14/05/24 19:30 | 1           | 25                       | 26                       | 1                        | 14.3       | 71        | 1.4         | 91        | 7            |
| 14/05/24 19:35 | 2           | 25                       | 27                       | 1                        | 14.1       | 71        | 1.3         | 92        | 6            |
| 14/05/24 19:40 | 2           | 24                       | 26                       | 1                        | 14.2       | 71        | 1.4         | 93        | 7            |
| 14/05/24 19:45 | 2           | 23                       | 25                       | 1                        | 14.3       | 71        | 1.5         | 102       | 6            |
| 14/05/24 19:50 | 2           | 23                       | 25                       | 1                        | 14.1       | 71        | 0.9         | 84        | 13           |
| 14/05/24 19:55 | 2           | 23                       | 25                       | 1                        | 14.1       | 72        | 1.1         | 72        | 10           |
| 14/05/24 20:00 | 2           | 24                       | 25                       | 1                        | 14.0       | 72        | 1.2         | 66        | 11           |
| 14/05/24 20:05 | 2           | 24                       | 26                       | 1                        | 14.0       | 72        | 1.1         | 61        | 11           |
| 14/05/24 20:10 | 4           | 23                       | 27                       | 1                        | 14.1       | 72        | 1.2         | 62        | 11           |
| 14/05/24 20:15 | 4           | 25                       | 29                       | 1                        | 14.0       | 72        | 1.1         | 65        | 8            |
| 14/05/24 20:20 | 4           | 25                       | 29                       | 1                        | 14.0       | 72        | 0.8         | 59        | 11           |
| 14/05/24 20:25 | 4           | 25                       | 30                       | 1                        | 13.8       | 73        | 0.8         | 54        | 11           |
| 14/05/24 20:30 | 6           | 26                       | 32                       | 1                        | 13.8       | 74        | 1.0         | 44        | 11           |
| 14/05/24 20:35 | 12          | 31                       | 43                       | 1                        | 13.7       | 74        | 1.1         | 47        | 8            |
| 14/05/24 20:40 | 16          | 27                       | 43                       | 1                        | 13.6       | 75        | 1.0         | 46        | 6            |
| 14/05/24 20:45 | 16          | 30                       | 46                       | 1                        | 13.5       | 75        | 0.8         | 42        | 7            |
| 14/05/24 20:50 | 20          | 31                       | 51                       | 1                        | 13.4       | 76        | 1.1         | 48        | 5            |
| 14/05/24 20:55 | 28          | 30                       | 58                       | 1                        | 13.2       | 77        | 1.1         | 46        | 6            |
| 14/05/24 21:00 | 26          | 30                       | 56                       | 1                        | 13.2       | 77        | 1.1         | 39        | 6            |
| 14/05/24 21:05 | 23          | 32                       | 55                       | 1                        | 13.2       | 76        | 1.0         | 41        | 6            |
| 14/05/24 21:10 | 27          | 30                       | 57                       | 1                        | 13.1       | 77        | 1.3         | 50        | 3            |
| 14/05/24 21:15 | 31          | 28                       | 59                       | 1                        | 13.0       | 77        | 1.4         | 53        | 4            |
| 14/05/24 21:20 | 34          | 28                       | 62                       | 1                        | 13.0       | 78        | 1.5         | 52        | 4            |
| 14/05/24 21:25 | 44          | 25                       | 70                       | 1                        | 13.0       | 78        | 1.3         | 50        | 4            |
| 14/05/24 21:30 | 41          | 29                       | 70                       | 1                        | 12.9       | 78        | 1.1         | 40        | 7            |
| 14/05/24 21:35 | 43          | 32                       | 75                       | 1                        | 12.9       | 78        | 1.4         | 17        | 7            |
| 14/05/24 21:40 | 59          | 29                       | 88                       | 1                        | 13.1       | 77        | 1.4         | 4         | 14           |
| 14/05/24 21:45 | 76          | 36                       | 112                      | 2                        | 13.0       | 77        | 0.9         | 348       | 19           |
| 14/05/24 21:50 | 90          | 33                       | 123                      | 2                        | 13.0       | 77        | 1.0         | 353       | 16           |
| 14/05/24 21:55 | 112         | 41                       | 153                      | 2                        | 13.0       | 77        | 1.2         | 347       | 16           |
| 14/05/24 22:00 | 122         | 38                       | 160                      | 2                        | 12.9       | 77        | 1.3         | 356       | 17           |
| 14/05/24 22:05 | 117         | 35                       | 152                      | 2                        | 12.6       | 79        | 1.1         | 359       | 14           |
| 14/05/24 22:10 | 114         | 33                       | 147                      | 2                        | 12.3       | 80        | 1.0         | 12        | 12           |
| 14/05/24 22:15 | 117         | 34                       | 151                      | 2                        | 12.2       | 81        | 0.9         | 349       | 15           |
| 14/05/24 22:20 | 116         | 34                       | 151                      | 2                        | 12.1       | 81        | 0.8         | 326       | 25           |
| 14/05/24 22:25 | 114         | 35                       | 149                      | 3                        | 12.1       | 82        | 0.5         | 333       | 34           |
| 14/05/24 22:30 | 111         | 36                       | 146                      | 2                        | 12.2       | 81        | 0.9         | 341       | 20           |
| 14/05/24 22:35 | 110         | 35                       | 145                      | 2                        | 12.3       | 81        | 0.9         | 349       | 20           |
| 14/05/24 22:40 | 108         | 35                       | 144                      | 2                        | 12.3       | 81        | 1.5         | 339       | 11           |
| 14/05/24 22:45 | 111         | 34                       | 145                      | 2                        | 12.4       | 81        | 1.4         | 338       | 11           |
| 14/05/24 22:50 | 112         | 34                       | 146                      | 2                        | 12.5       | 81        | 1.2         | 335       | 16           |
| 14/05/24 22:55 | 113         | 34                       | 147                      | 2                        | 12.4       | 81        | 1.1         | 330       | 19           |
| 14/05/24 23:00 | 111         | 35                       | 145                      | 2                        | 12.5       | 81        | 1.0         | 321       | 23           |
| 14/05/24 23:05 | 106         | 36                       | 143                      | 2                        | 12.4       | 81        | 1.2         | 300       | 17           |
| 14/05/24 23:10 | 96          | 42                       | 138                      | 2                        | 12.4       | 82        | 0.8         | 290       | 16           |
| 14/05/24 23:15 | 99          | 37                       | 136                      | 2                        | 12.3       | 82        | 0.5         | 288       | 44           |
| 14/05/24 23:20 | 100         | 33                       | 133                      | 2                        | 11.9       | 82        | 0.7         | 356       | 25           |
| 14/05/24 23:25 | 98          | 29                       | 127                      | 2                        | 11.7       | 83        | 0.9         | 2         | 17           |
| 14/05/24 23:30 | 98          | 31                       | 129                      | 2                        | 11.5       | 84        | 0.8         | 1         | 22           |
| 14/05/24 23:35 | 95          | 31                       | 127                      | 2                        | 11.5       | 85        | 1.0         | 349       | 17           |
| 14/05/24 23:40 | 101         | 33                       | 134                      | 2                        | 11.4       | 86        | 1.2         | 324       | 11           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 14/05/24 23:45 | 126         | 36                       | 162                      | 2                        | 11.5       | 85        | 1.5         | 334       | 13           |
| 14/05/24 23:50 | 122         | 36                       | 158                      |                          | 11.6       | 85        | 1.4         | 319       | 19           |
| 14/05/24 23:55 | 128         | 32                       | 160                      |                          | 11.7       | 85        | 1.9         | 303       | 9            |
| 15/05/24 00:00 | 108         | 34                       | 142                      | 2                        | 11.6       | 85        | 1.8         | 312       | 8            |
| 15/05/24 00:05 | 96          | 31                       | 127                      | 2                        | 11.5       | 84        | 1.1         | 328       | 19           |
| 15/05/24 00:10 | 98          | 30                       | 128                      | 2                        | 11.3       | 84        | 1.4         | 6         | 19           |
| 15/05/24 00:15 | 99          | 30                       | 128                      | 2                        | 11.1       | 85        | 1.4         | 4         | 8            |
| 15/05/24 00:20 | 99          | 30                       | 129                      | 2                        | 10.8       | 86        | 1.2         | 350       | 17           |
| 15/05/24 00:25 | 100         | 30                       | 129                      | 2                        | 10.9       | 86        | 1.2         | 307       | 16           |
| 15/05/24 00:30 | 83          | 30                       | 113                      | 2                        | 11.2       | 85        | 1.4         | 315       | 12           |
| 15/05/24 00:35 | 78          | 26                       | 104                      | 2                        | 11.2       | 84        | 1.3         | 335       | 11           |
| 15/05/24 00:40 | 90          | 30                       | 120                      | 2                        | 11.3       | 84        | 1.6         | 313       | 9            |
| 15/05/24 00:45 | 77          | 30                       | 108                      | 2                        | 11.2       | 84        | 2.2         | 312       | 4            |
| 15/05/24 00:50 | 71          | 30                       | 101                      | 2                        | 11.2       | 83        | 2.4         | 313       | 6            |
| 15/05/24 00:55 | 95          | 29                       | 124                      | 2                        | 11.2       | 85        | 2.1         | 310       | 9            |
| 15/05/24 01:00 | 101         | 30                       | 130                      | 2                        | 11.0       | 85        | 1.6         | 322       | 15           |
| 15/05/24 01:05 |             |                          |                          |                          | 10.9       | 85        | 1.5         | 330       | 16           |
| 15/05/24 01:10 |             |                          |                          |                          | 10.8       | 85        | 1.2         | 340       | 18           |
| 15/05/24 01:15 |             |                          |                          |                          | 10.8       | 85        | 1.2         | 322       | 17           |
| 15/05/24 01:20 |             |                          |                          |                          | 10.9       | 85        | 1.8         | 312       | 10           |
| 15/05/24 01:25 |             |                          |                          |                          | 10.9       | 84        | 1.6         | 318       | 12           |
| 15/05/24 01:30 |             |                          |                          |                          | 10.9       | 84        | 1.1         | 348       | 20           |
| 15/05/24 01:35 |             |                          |                          |                          | 10.7       | 85        | 1.7         | 356       | 13           |
| 15/05/24 01:40 |             |                          |                          |                          | 10.6       | 85        | 1.6         | 359       | 9            |
| 15/05/24 01:45 |             |                          |                          |                          | 10.6       | 85        | 1.7         | 342       | 16           |
| 15/05/24 01:50 |             |                          |                          |                          | 10.6       | 85        | 1.3         | 354       | 19           |
| 15/05/24 01:55 |             |                          |                          |                          | 10.4       | 85        | 1.4         | 359       | 16           |
| 15/05/24 02:00 |             |                          |                          |                          | 10.2       | 86        | 2.1         | 6         | 6            |
| 15/05/24 02:05 | 77          | 28                       | 105                      | 2                        | 10.1       | 86        | 2.4         | 4         | 4            |
| 15/05/24 02:10 | 74          | 27                       | 101                      | 2                        | 9.9        | 86        | 2.1         | 4         | 5            |
| 15/05/24 02:15 | 60          | 26                       | 86                       | 2                        | 9.9        | 86        | 2.0         | 8         | 5            |
| 15/05/24 02:20 | 57          | 26                       | 83                       | 1                        | 9.9        | 87        | 2.2         | 6         | 3            |
| 15/05/24 02:25 | 57          | 26                       | 83                       | 1                        | 9.8        | 87        | 2.3         | 3         | 4            |
| 15/05/24 02:30 | 56          | 26                       | 81                       | 2                        | 9.8        | 87        | 2.4         | 6         | 5            |
| 15/05/24 02:35 | 54          | 25                       | 79                       | 2                        | 9.8        | 86        | 2.3         | 358       | 10           |
| 15/05/24 02:40 | 75          | 28                       | 103                      | 2                        | 9.9        | 86        | 1.9         | 350       | 15           |
| 15/05/24 02:45 | 61          | 21                       | 82                       | 2                        | 9.9        | 85        | 1.4         | 339       | 20           |
| 15/05/24 02:50 | 46          | 24                       | 70                       | 1                        | 10.1       | 86        | 0.8         | 330       | 30           |
| 15/05/24 02:55 | 38          | 25                       | 63                       | 1                        | 10.0       | 86        | 0.3         | 311       | 48           |
| 15/05/24 03:00 | 37          | 24                       | 61                       | 1                        | 9.9        | 87        | 0.3         | 314       | 36           |
| 15/05/24 03:05 | 40          | 22                       | 62                       | 1                        | 9.7        | 87        | 0.6         | 317       | 27           |
| 15/05/24 03:10 | 51          | 20                       | 71                       | 1                        | 9.8        | 87        | 1.2         | 302       | 11           |
| 15/05/24 03:15 | 56          | 22                       | 79                       | 1                        | 9.8        | 87        | 1.0         | 299       | 10           |
| 15/05/24 03:20 | 56          | 16                       | 71                       | 1                        | 9.7        | 86        | 1.1         | 307       | 12           |
| 15/05/24 03:25 | 30          | 17                       | 47                       | 1                        | 9.7        | 85        | 1.7         | 301       | 9            |
| 15/05/24 03:30 | 26          | 19                       | 45                       | 1                        | 9.7        | 87        | 1.7         | 291       | 12           |
| 15/05/24 03:35 | 23          | 17                       | 40                       | 1                        | 9.8        | 86        | 2.0         | 299       | 10           |
| 15/05/24 03:40 | 35          | 14                       | 50                       | 1                        | 9.7        | 85        | 1.7         | 319       | 17           |
| 15/05/24 03:45 | 48          | 19                       | 67                       | 1                        | 9.6        | 85        | 1.0         | 353       | 25           |
| 15/05/24 03:50 | 42          | 16                       | 59                       | 1                        | 9.4        | 85        | 1.2         | 351       | 25           |
| 15/05/24 03:55 | 26          | 20                       | 46                       | 1                        | 9.4        | 86        | 1.6         | 328       | 22           |
| 15/05/24 04:00 | 20          | 17                       | 37                       | 1                        | 9.6        | 85        | 2.0         | 316       | 13           |
| 15/05/24 04:05 | 24          | 18                       | 42                       | 1                        | 9.6        | 85        | 1.7         | 318       | 14           |
| 15/05/24 04:10 | 32          | 17                       | 49                       | 1                        | 9.6        | 85        | 1.5         | 307       | 15           |
| 15/05/24 04:15 | 32          | 18                       | 50                       | 1                        | 9.6        | 85        | 1.4         | 316       | 14           |
| 15/05/24 04:20 | 32          | 18                       | 50                       | 1                        | 9.5        | 86        | 1.0         | 329       | 21           |
| 15/05/24 04:25 | 31          | 18                       | 49                       | 1                        | 9.5        | 85        | 1.8         | 309       | 16           |
| 15/05/24 04:30 | 25          | 18                       | 43                       | 1                        | 9.3        | 85        | 1.6         | 326       | 20           |
| 15/05/24 04:35 | 21          | 17                       | 38                       | 1                        | 9.1        | 86        | 1.6         | 336       | 16           |
| 15/05/24 04:40 | 21          | 17                       | 38                       | 1                        | 9.1        | 86        | 1.3         | 331       | 24           |
| 15/05/24 04:45 | 20          | 16                       | 37                       | 1                        | 9.0        | 86        | 0.9         | 5         | 20           |
| 15/05/24 04:50 | 31          | 19                       | 50                       | 1                        | 8.9        | 87        | 1.8         | 357       | 13           |
| 15/05/24 04:55 | 46          | 18                       | 64                       | 1                        | 8.8        | 87        | 1.8         | 336       | 13           |
| 15/05/24 05:00 | 49          | 18                       | 67                       | 1                        | 8.8        | 87        | 2.0         | 349       | 16           |
| 15/05/24 05:05 | 46          | 18                       | 64                       | 1                        | 8.9        | 87        | 1.8         | 354       | 18           |
| 15/05/24 05:10 | 39          | 18                       | 57                       | 1                        | 8.8        | 87        | 2.7         | 358       | 12           |
| 15/05/24 05:15 | 35          | 17                       | 52                       | 1                        | 8.7        | 87        | 2.6         | 360       | 10           |
| 15/05/24 05:20 | 43          | 16                       | 59                       | 1                        | 8.7        | 87        | 2.0         | 352       | 17           |
| 15/05/24 05:25 | 50          | 17                       | 68                       | 1                        | 8.7        | 87        | 1.7         | 0         | 19           |
| 15/05/24 05:30 | 63          | 14                       | 77                       | 1                        | 8.6        | 87        | 2.1         | 3         | 16           |
| 15/05/24 05:35 | 65          | 17                       | 83                       | 1                        | 8.7        | 87        | 2.3         | 4         | 8            |
| 15/05/24 05:40 | 57          | 17                       | 74                       | 1                        | 8.7        | 87        | 2.5         | 358       | 11           |
| 15/05/24 05:45 | 46          | 18                       | 64                       | 1                        | 8.7        | 86        | 2.5         | 360       | 13           |
| 15/05/24 05:50 | 36          | 17                       | 53                       | 1                        | 8.7        | 86        | 2.4         | 357       | 14           |
| 15/05/24 05:55 | 34          | 16                       | 51                       | 1                        | 8.8        | 86        | 1.8         | 350       | 17           |
| 15/05/24 06:00 | 37          | 15                       | 52                       | 1                        | 8.8        | 86        | 2.2         | 3         | 14           |
| 15/05/24 06:05 | 39          | 15                       | 54                       | 1                        | 8.7        | 86        | 2.3         | 5         | 10           |
| 15/05/24 06:10 | 42          | 16                       | 59                       | 1                        | 8.7        | 86        | 2.2         | 11        | 9            |
| 15/05/24 06:15 | 57          | 20                       | 77                       | 1                        | 8.7        | 87        | 1.8         | 6         | 17           |
| 15/05/24 06:20 | 69          | 19                       | 88                       | 2                        | 8.8        | 86        | 2.0         | 3         | 11           |
| 15/05/24 06:25 | 68          | 20                       | 88                       | 2                        | 8.8        | 86        | 1.7         | 2         | 22           |
| 15/05/24 06:30 | 68          | 20                       | 88                       | 2                        | 8.9        | 86        | 1.6         | 2         | 15           |
| 15/05/24 06:35 | 66          | 21                       | 86                       | 2                        | 9.1        | 85        | 1.1         | 352       | 24           |
| 15/05/24 06:40 | 63          | 20                       | 84                       | 2                        | 9.2        | 85        | 1.1         | 350       | 24           |
| 15/05/24 06:45 | 62          | 21                       | 84                       | 2                        | 9.1        | 85        | 0.9         | 350       | 31           |
| 15/05/24 06:50 | 66          | 19                       | 85                       | 1                        | 9.1        | 85        | 0.8         | 348       | 28           |
| 15/05/24 06:55 | 70          | 20                       | 90                       | 1                        | 9.0        | 86        | 1.0         | 330       | 23           |
| 15/05/24 07:00 | 77          | 23                       | 100                      | 1                        | 9.1        | 85        | 1.8         | 352       | 17           |
| 15/05/24 07:05 | 84          | 24                       | 108                      | 2                        | 9.1        | 85        | 1.8         | 355       | 18           |
| 15/05/24 07:10 | 83          | 23                       | 106                      | 2                        | 9.1        | 85        | 1.2         | 350       | 22           |
| 15/05/24 07:15 | 83          | 24                       | 107                      | 2                        | 9.2        | 85        | 1.8         | 3         | 11           |
| 15/05/24 07:20 | 85          | 24                       | 109                      | 1                        | 9.1        | 85        | 1.2         | 4         | 16           |
| 15/05/24 07:25 | 89          | 25                       | 114                      | 2                        | 9.1        | 86        | 1.1         | 13        | 19           |
| 15/05/24 07:30 | 99          | 23                       | 122                      | 2                        | 9.1        | 86        | 0.9         | 11        | 14           |
| 15/05/24 07:35 | 111         | 25                       | 137                      | 2                        | 9.0        | 86        | 1.2         | 5         | 18           |
| 15/05/24 07:40 | 113         | 26                       | 139                      | 2                        | 9.2        | 86        | 1.1         | 0         | 21           |
| 15/05/24 07:45 | 114         | 28                       | 142                      | 2                        | 9.2        | 86        | 1.3         | 358       | 19           |
| 15/05/24 07:50 | 120         | 32                       | 152                      | 2                        | 9.3        | 85        | 1.4         | 13        | 14           |
| 15/05/24 07:55 | 127         | 31                       | 158                      | 2                        | 9.4        | 85        | 0.8         | 349       | 29           |
| 15/05/24 08:00 | 117         | 28                       | 146                      | 2                        | 9.7        | 84        | 1.0         | 357       | 23           |
| 15/05/24 08:05 | 117         | 26                       | 143                      | 2                        | 9.8        | 83        | 1.2         | 335       | 25           |
| 15/05/24 08:10 | 126         | 29                       | 155                      | 2                        | 9.9        | 83        | 1.1         | 340       | 27           |
| 15/05/24 08:15 | 132         | 26                       | 159                      | 2                        | 10.1       | 82        | 1.3         | 350       | 18           |
| 15/05/24 08:20 | 135         | 28                       | 162                      | 3                        | 10.3       | 81        | 0.8         | 349       | 31           |
| 15/05/24 08:25 | 137         | 28                       | 164                      | 3                        | 10.6       | 79        | 0.9         | 360       | 30           |
| 15/05/24 08:30 | 142         | 26                       | 167                      | 2                        | 10.6       | 79        | 1.3         | 2         | 26           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 15/05/24 08:35                              | 142         | 27                       | 169                      | 2                        | 10.5       | 80        | 0.8         | 332       | 27           |
| 15/05/24 08:40                              | 142         | 27                       | 169                      | 2                        | 10.5       | 80        | 1.1         | 359       | 27           |
| 15/05/24 08:45                              | 139         | 28                       | 167                      | 2                        | 10.6       | 79        | 1.5         | 6         | 15           |
| 15/05/24 08:50                              | 122         | 35                       | 156                      | 2                        | 10.9       | 79        | 1.4         | 359       | 19           |
| 15/05/24 08:55                              | 116         | 26                       | 142                      | 2                        | 11.0       | 77        | 1.4         | 359       | 21           |
| 15/05/24 09:00                              | 119         | 29                       | 148                      | 2                        | 11.2       | 77        | 1.4         | 335       | 25           |
| 15/05/24 09:05                              | 121         | 31                       | 152                      | 2                        | 11.2       | 76        | 1.7         | 359       | 24           |
| 15/05/24 09:10                              | 116         | 25                       | 141                      | 2                        | 11.5       | 75        | 1.6         | 7         | 17           |
| 15/05/24 09:15                              | 110         | 28                       | 138                      | 2                        | 11.7       | 74        | 1.6         | 3         | 14           |
| 15/05/24 09:20                              | 108         | 30                       | 138                      | 2                        | 11.8       | 74        | 1.2         | 9         | 23           |
| 15/05/24 09:25                              | 115         | 26                       | 141                      | 2                        | 12.1       | 73        | 1.2         | 345       | 36           |
| 15/05/24 09:30                              | 128         | 26                       | 154                      | 2                        | 12.3       | 73        | 0.9         | 326       | 39           |
| 15/05/24 09:35                              | 131         | 32                       | 163                      | 2                        | 12.4       | 72        | 0.8         | 334       | 40           |
| 15/05/24 09:40                              | 118         | 27                       | 146                      | 2                        | 12.9       | 71        | 1.3         | 26        | 27           |
| 15/05/24 09:45                              | 98          | 33                       | 131                      | 2                        | 13.2       | 71        | 0.6         | 353       | 55           |
| 15/05/24 09:50                              | 92          | 32                       | 124                      | 2                        | 13.2       | 72        | 0.9         | 318       | 39           |
| 15/05/24 09:55                              | 76          | 31                       | 107                      | 2                        | 13.2       | 71        | 1.1         | 357       | 24           |
| 15/05/24 10:00                              | 76          | 29                       | 106                      | 2                        | 13.4       | 70        | 1.6         | 5         | 18           |
| 15/05/24 10:05                              | 74          | 30                       | 105                      | 2                        | 13.7       | 69        | 0.9         | 354       | 36           |
| 15/05/24 10:10                              | 78          | 31                       | 109                      | 2                        | 14.2       | 68        | 0.5         | 329       | 53           |
| 15/05/24 10:15                              | 75          | 30                       | 106                      | 2                        | 14.5       | 66        | 1.7         | 319       | 21           |
| 15/05/24 10:20                              | 62          | 29                       | 91                       | 2                        | 14.2       | 66        | 1.3         | 319       | 20           |
| 15/05/24 10:25                              | 65          | 28                       | 93                       | 3                        | 14.4       | 66        | 1.3         | 312       | 20           |
| 15/05/24 10:30                              | 60          | 28                       | 88                       | 2                        | 14.4       | 66        | 1.7         | 301       | 19           |
| 15/05/24 10:35                              | 47          | 34                       | 81                       | 2                        | 14.5       | 65        | 1.2         | 323       | 25           |
| 15/05/24 10:40                              | 43          | 26                       | 69                       | 2                        | 14.8       | 63        | 1.5         | 335       | 22           |
| 15/05/24 10:45                              | 42          | 26                       | 68                       | 3                        | 15.0       | 63        | 1.2         | 338       | 27           |
| 15/05/24 10:50                              | 42          | 27                       | 69                       | 3                        | 15.4       | 61        | 0.8         | 351       | 60           |
| 15/05/24 10:55                              | 42          | 27                       | 70                       | 3                        | 15.4       | 63        | 1.2         | 275       | 20           |
| 15/05/24 11:00                              | 40          | 22                       | 62                       | 3                        | 15.4       | 62        | 1.0         | 288       | 36           |
| 15/05/24 11:05                              | 35          | 22                       | 57                       | 3                        | 15.6       | 60        | 1.4         | 295       | 19           |
| 15/05/24 11:10                              | 32          | 24                       | 56                       | 3                        | 15.6       | 59        | 1.0         | 330       | 39           |
| 15/05/24 11:15                              | 32          | 23                       | 55                       | 3                        | 15.8       | 59        | 1.6         | 274       | 25           |
| 15/05/24 11:20                              | 28          | 24                       | 52                       | 3                        | 15.7       | 60        | 1.6         | 257       | 23           |
| 15/05/24 11:25                              | 20          | 20                       | 40                       | 3                        | 15.7       | 61        | 1.9         | 258       | 18           |
| 15/05/24 11:30                              | 19          | 19                       | 38                       | 2                        | 15.8       | 60        | 2.3         | 254       | 10           |
| 15/05/24 11:35                              | 20          | 20                       | 40                       | 2                        | 15.8       | 60        | 2.3         | 257       | 11           |
| 15/05/24 11:40                              | 16          | 14                       | 30                       | 2                        | 15.9       | 61        | 3.5         | 272       | 10           |
| 15/05/24 11:45                              | 10          | 12                       | 21                       | 2                        | 16.1       | 61        | 3.3         | 255       | 18           |
| 15/05/24 11:50                              | 3           | 5                        | 9                        | 2                        | 16.1       | 58        | 2.8         | 271       | 11           |
| 15/05/24 11:55                              | 2           | 6                        | 8                        | 1                        | 16.2       | 58        | 1.9         | 291       | 22           |
| 15/05/24 12:00                              | 2           | 6                        | 9                        | 1                        | 16.3       | 59        | 2.7         | 248       | 17           |
| 15/05/24 12:05                              | 2           | 6                        | 9                        | 1                        | 16.3       | 58        | 2.2         | 273       | 12           |
| 15/05/24 12:10                              | 2           | 6                        | 8                        | 1                        | 16.3       | 57        | 2.7         | 248       | 13           |
| 15/05/24 12:15                              | 2           | 6                        | 8                        | 1                        | 16.3       | 56        | 2.3         | 229       | 15           |
| 15/05/24 12:20                              | 2           | 6                        | 8                        | 1                        | 16.4       | 57        | 2.3         | 249       | 18           |
| 15/05/24 12:25                              | 12          | 2                        | 14                       | 1                        | 16.4       | 60        | 2.6         | 208       | 19           |
| 15/05/24 12:30                              | 9           | 13                       | 22                       | 1                        | 16.3       | 60        | 1.8         | 206       | 9            |
| 15/05/24 12:35                              | 19          | 15                       | 34                       | 1                        | 16.5       | 59        | 1.9         | 202       | 10           |
| 15/05/24 12:40                              | 8           | 8                        | 16                       | 1                        | 17.0       | 57        | 1.9         | 204       | 12           |
| 15/05/24 12:45                              | 16          | 14                       | 30                       | 1                        | 16.8       | 59        | 2.0         | 199       | 14           |
| 15/05/24 12:50                              | 13          | 15                       | 27                       | 1                        | 17.3       | 59        | 2.0         | 194       | 13           |
| 15/05/24 12:55                              | 12          | 12                       | 24                       | 1                        | 17.4       | 58        | 1.3         | 163       | 27           |
| 15/05/24 13:00                              | 6           | 10                       | 16                       | 1                        | 17.9       | 57        | 1.2         | 159       | 24           |
| 15/05/24 13:05                              | 6           | 10                       | 16                       | 1                        | 17.9       | 57        | 1.8         | 162       | 21           |
| 15/05/24 13:10                              | 6           | 11                       | 17                       | 1                        | 18.0       | 57        | 2.0         | 168       | 17           |
| 15/05/24 13:15                              | 7           | 11                       | 18                       | 1                        | 17.9       | 57        | 1.7         | 166       | 22           |
| 15/05/24 13:20                              | 10          | 23                       | 33                       | 1                        | 17.9       | 57        | 1.8         | 144       | 18           |
| 15/05/24 13:25                              | 14          | 18                       | 32                       | 1                        | 17.6       | 58        | 2.4         | 147       | 15           |
| 15/05/24 13:30                              | 16          | 17                       | 32                       | 1                        | 17.3       | 61        | 2.1         | 151       | 22           |
| 15/05/24 13:35                              | 22          | 19                       | 41                       | 1                        | 17.2       | 61        | 2.0         | 144       | 19           |
| 15/05/24 13:40                              | 19          | 19                       | 37                       | 1                        | 17.3       | 61        | 2.2         | 142       | 19           |
| 15/05/24 13:45                              | 13          | 16                       | 29                       | 1                        | 17.2       | 62        | 2.1         | 143       | 21           |
| 15/05/24 13:50                              | 14          | 16                       | 29                       | 1                        | 17.2       | 62        | 2.2         | 144       | 18           |
| 15/05/24 13:55                              | 15          | 15                       | 29                       | 1                        | 17.3       | 62        | 1.9         | 150       | 21           |
| 15/05/24 14:00                              | 6           | 9                        | 15                       | 1                        | 17.4       | 61        | 1.8         | 165       | 23           |
| 15/05/24 14:05                              | 4           | 10                       | 14                       | 1                        | 17.5       | 60        | 2.0         | 173       | 22           |
| 15/05/24 14:10                              | 5           | 10                       | 15                       | 1                        | 17.5       | 61        | 2.1         | 169       | 20           |
| 15/05/24 14:15                              | 5           | 11                       | 16                       | 1                        | 17.6       | 61        | 2.0         | 181       | 17           |
| 15/05/24 14:20                              | 6           | 12                       | 18                       | 1                        | 17.7       | 59        | 1.3         | 164       | 31           |
| 15/05/24 14:25                              | 6           | 11                       | 17                       | 1                        | 17.6       | 58        | 1.8         | 166       | 19           |
| 15/05/24 14:30                              | 7           | 13                       | 20                       | 1                        | 17.7       | 59        | 1.6         | 169       | 23           |
| 15/05/24 14:35                              | 6           | 8                        | 14                       | 1                        | 17.5       | 60        | 2.1         | 173       | 20           |
| 15/05/24 14:40                              | 8           | 13                       | 21                       | 1                        | 17.6       | 61        | 1.9         | 179       | 18           |
| 15/05/24 14:45                              | 6           | 9                        | 15                       | 1                        | 17.7       | 60        | 1.7         | 169       | 26           |
| 15/05/24 14:50                              | 7           | 10                       | 18                       | 1                        | 17.6       | 61        | 1.9         | 179       | 16           |
| 15/05/24 14:55                              | 8           | 10                       | 18                       | 1                        | 17.9       | 61        | 1.6         | 181       | 17           |
| 15/05/24 15:00                              | 7           | 9                        | 17                       | 1                        | 17.7       | 61        | 2.1         | 181       | 18           |
| 15/05/24 15:05                              | 8           | 12                       | 20                       | 1                        | 17.5       | 62        | 2.1         | 179       | 15           |
| 15/05/24 15:10                              | 7           | 10                       | 17                       | 1                        | 17.5       | 63        | 2.3         | 179       | 16           |
| 15/05/24 15:15                              | 4           | 9                        | 13                       | 1                        | 17.5       | 64        | 2.1         | 172       | 18           |
| 15/05/24 15:20                              | 3           | 7                        | 10                       | 1                        | 17.6       | 62        | 2.2         | 181       | 14           |
| 15/05/24 15:25                              | 3           | 7                        | 10                       | 1                        | 17.7       | 60        | 2.0         | 180       | 14           |
| 15/05/24 15:30                              | 3           | 7                        | 10                       | 1                        | 17.7       | 59        | 1.9         | 183       | 16           |
| 15/05/24 15:35                              | 4           | 12                       | 16                       | 1                        | 17.8       | 58        | 2.0         | 186       | 13           |
| 15/05/24 15:40                              | 3           | 5                        | 8                        | 1                        | 17.8       | 58        | 1.9         | 179       | 16           |
| 15/05/24 15:45                              | 3           | 6                        | 9                        | 1                        | 18.1       | 57        | 1.9         | 180       | 15           |
| 15/05/24 15:50                              | 3           | 5                        | 8                        | 1                        | 18.1       | 57        | 1.9         | 179       | 16           |
| 15/05/24 15:55                              | 3           | 6                        | 8                        | 1                        | 17.9       | 58        | 2.2         | 182       | 14           |
| 15/05/24 16:00                              | 3           | 5                        | 8                        | 1                        | 17.9       | 58        | 2.0         | 178       | 13           |
| 15/05/24 16:05                              | 5           | 14                       | 20                       | 1                        | 17.9       | 59        | 2.0         | 177       | 17           |
| 15/05/24 16:10                              | 5           | 7                        | 12                       | 1                        | 17.9       | 59        | 1.7         | 172       | 21           |
| 15/05/24 16:15                              | 1           | 4                        | 5                        | 1                        | 17.7       | 61        | 1.2         | 176       | 26           |
| 15/05/24 16:20                              | 1           | 4                        | 5                        | 1                        | 17.7       | 59        | 1.5         | 151       | 25           |
| 15/05/24 16:25                              | 6           | 11                       | 17                       | 1                        | 17.5       | 59        | 1.2         | 145       | 21           |
| 15/05/24 16:30                              | 2           | 6                        | 8                        | 1                        | 17.8       | 60        | 1.3         | 131       | 15           |
| 15/05/24 16:35                              | 1           | 4                        | 5                        | 1                        | 17.7       | 59        | 1.3         | 121       | 13           |
| 15/05/24 16:40                              | 1           | 2                        | 3                        | 1                        | 17.5       | 61        | 1.8         | 118       | 8            |
| 15/05/24 16:45                              | 1           | 2                        | 3                        | 1                        | 17.2       | 61        | 1.1         | 124       | 15           |
| 15/05/24 16:50                              | 0           | 2                        | 3                        | 1                        | 17.2       | 62        | 1.4         | 118       | 11           |
| 15/05/24 16:55                              | 0           | 2                        | 3                        | 1                        | 16.9       | 63        | 1.6         | 120       | 9            |
| 15/05/24 17:00                              | 0           | 2                        | 3                        | 1                        | 16.7       | 64        | 1.2         | 122       | 11           |
| 15/05/24 17:05                              | 0           | 2                        | 2                        | 1                        | 16.4       | 66        | 1.1         | 124       | 15           |
| 15/05/24 17:10                              | 0           | 2                        | 2                        | 1                        | 16.3       | 67        | 1.2         | 136       | 12           |
| 15/05/24 17:15                              | 0           | 3                        | 2                        | 1                        | 16.1       | 66        | 1.3         | 143       | 15           |
| 15/05/24 17:20                              | 0           | 2                        | 2                        | 1                        | 16.1       | 69        | 1.7         | 149       | 21           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 15/05/24 17:25 | 0           | 3                        | 3                        | 0                        | 15.9       | 72        | 1.9         | 143       | 20           |
| 15/05/24 17:30 | 0           | 2                        | 3                        | 0                        | 15.8       | 71        | 1.6         | 139       | 15           |
| 15/05/24 17:35 | 0           | 3                        | 2                        | 0                        | 15.8       | 71        | 1.5         | 137       | 19           |
| 15/05/24 17:40 | 0           | 3                        | 3                        | 0                        | 15.7       | 70        | 1.6         | 138       | 13           |
| 15/05/24 17:45 | 0           | 3                        | 3                        | 0                        | 15.7       | 73        | 1.6         | 137       | 16           |
| 15/05/24 17:50 | 0           | 4                        | 4                        | 0                        | 15.7       | 73        | 1.4         | 125       | 22           |
| 15/05/24 17:55 | 0           | 6                        | 6                        | 0                        | 15.7       | 73        | 1.7         | 134       | 15           |
| 15/05/24 18:00 | 0           | 8                        | 9                        | 0                        | 15.7       | 71        | 2.2         | 131       | 15           |
| 15/05/24 18:05 | 0           | 10                       | 11                       | 0                        | 15.5       | 69        | 2.0         | 127       | 13           |
| 15/05/24 18:10 | 0           | 12                       | 12                       | 0                        | 15.5       | 69        | 1.3         | 124       | 22           |
| 15/05/24 18:15 | 0           | 13                       | 13                       | 0                        | 15.5       | 71        | 1.9         | 116       | 12           |
| 15/05/24 18:20 | 0           | 14                       | 14                       | 0                        | 15.4       | 69        | 2.8         | 104       | 5            |
| 15/05/24 18:25 | 0           | 15                       | 16                       | 0                        | 15.2       | 67        | 2.7         | 100       | 6            |
| 15/05/24 18:30 | 1           | 20                       | 20                       | 0                        | 15.1       | 67        | 2.2         | 92        | 9            |
| 15/05/24 18:35 | 1           | 21                       | 22                       | 0                        | 15.0       | 67        | 2.2         | 90        | 11           |
| 15/05/24 18:40 | 1           | 21                       | 22                       | 0                        | 15.1       | 67        | 2.1         | 75        | 11           |
| 15/05/24 18:45 | 1           | 22                       | 23                       | 0                        | 15.0       | 67        | 2.0         | 70        | 10           |
| 15/05/24 18:50 | 1           | 23                       | 24                       | 0                        | 15.0       | 68        | 1.6         | 80        | 13           |
| 15/05/24 18:55 | 1           | 23                       | 25                       | 0                        | 15.0       | 68        | 1.6         | 85        | 11           |
| 15/05/24 19:00 | 2           | 24                       | 26                       | 0                        | 14.8       | 68        | 1.4         | 79        | 14           |
| 15/05/24 19:05 | 2           | 25                       | 27                       | 0                        | 14.7       | 68        | 1.5         | 69        | 12           |
| 15/05/24 19:10 | 2           | 25                       | 28                       | 0                        | 14.7       | 68        | 1.8         | 54        | 9            |
| 15/05/24 19:15 | 2           | 26                       | 29                       | 0                        | 14.6       | 69        | 1.7         | 61        | 9            |
| 15/05/24 19:20 | 3           | 28                       | 31                       | 0                        | 14.5       | 69        | 1.6         | 60        | 8            |
| 15/05/24 19:25 | 4           | 29                       | 32                       | 1                        | 14.5       | 69        | 1.6         | 58        | 9            |
| 15/05/24 19:30 | 5           | 30                       | 35                       | 1                        | 14.3       | 70        | 1.9         | 49        | 5            |
| 15/05/24 19:35 | 6           | 33                       | 38                       | 1                        | 14.3       | 70        | 1.7         | 53        | 5            |
| 15/05/24 19:40 | 7           | 36                       | 43                       | 1                        | 14.2       | 70        | 1.8         | 58        | 8            |
| 15/05/24 19:45 | 10          | 36                       | 46                       | 1                        | 14.3       | 70        | 1.9         | 53        | 6            |
| 15/05/24 19:50 | 14          | 33                       | 47                       | 1                        | 14.3       | 70        | 1.9         | 62        | 10           |
| 15/05/24 19:55 | 13          | 33                       | 46                       | 1                        | 14.3       | 70        | 2.0         | 61        | 8            |
| 15/05/24 20:00 | 11          | 33                       | 44                       | 1                        | 14.4       | 70        | 1.7         | 59        | 13           |
| 15/05/24 20:05 | 10          | 33                       | 44                       | 0                        | 14.2       | 70        | 1.5         | 55        | 8            |
| 15/05/24 20:10 | 11          | 33                       | 44                       | 1                        | 14.1       | 70        | 1.5         | 58        | 8            |
| 15/05/24 20:15 | 11          | 33                       | 44                       | 1                        | 14.2       | 70        | 1.5         | 55        | 6            |
| 15/05/24 20:20 | 11          | 33                       | 43                       | 1                        | 14.2       | 70        | 1.7         | 49        | 5            |
| 15/05/24 20:25 | 10          | 33                       | 43                       | 1                        | 14.1       | 70        | 1.7         | 48        | 4            |
| 15/05/24 20:30 | 10          | 33                       | 42                       | 0                        | 14.0       | 71        | 1.8         | 44        | 5            |
| 15/05/24 20:35 | 11          | 33                       | 43                       | 0                        | 13.8       | 72        | 1.5         | 42        | 6            |
| 15/05/24 20:40 | 22          | 26                       | 48                       | 1                        | 13.5       | 73        | 1.5         | 44        | 6            |
| 15/05/24 20:45 | 20          | 34                       | 54                       | 1                        | 13.4       | 74        | 1.5         | 45        | 6            |
| 15/05/24 20:50 | 26          | 32                       | 57                       | 1                        | 13.2       | 74        | 1.1         | 31        | 7            |
| 15/05/24 20:55 | 30          | 31                       | 61                       | 0                        | 13.2       | 75        | 0.8         | 11        | 14           |
| 15/05/24 21:00 | 25          | 37                       | 61                       | 0                        | 13.3       | 74        | 0.7         | 338       | 10           |
| 15/05/24 21:05 | 53          | 33                       | 86                       | 1                        | 13.5       | 74        | 0.9         | 317       | 10           |
| 15/05/24 21:10 | 73          | 37                       | 110                      | 1                        | 13.8       | 73        | 1.0         | 324       | 10           |
| 15/05/24 21:15 | 76          | 37                       | 113                      | 1                        | 13.8       | 73        | 1.1         | 335       | 8            |
| 15/05/24 21:20 | 78          | 38                       | 115                      | 1                        | 13.8       | 74        | 1.2         | 338       | 10           |
| 15/05/24 21:25 | 78          | 37                       | 115                      | 1                        | 13.8       | 74        | 0.8         | 332       | 10           |
| 15/05/24 21:30 | 78          | 37                       | 115                      | 1                        | 13.7       | 74        | 1.2         | 336       | 13           |
| 15/05/24 21:35 | 77          | 37                       | 114                      | 1                        | 13.6       | 74        | 1.5         | 337       | 16           |
| 15/05/24 21:40 | 76          | 36                       | 112                      | 1                        | 13.5       | 74        | 0.9         | 335       | 28           |
| 15/05/24 21:45 | 75          | 35                       | 110                      | 1                        | 13.4       | 75        | 1.2         | 334       | 16           |
| 15/05/24 21:50 | 75          | 36                       | 111                      | 1                        | 13.5       | 75        | 1.3         | 330       | 14           |
| 15/05/24 21:55 | 75          | 36                       | 111                      | 1                        | 13.4       | 75        | 1.2         | 322       | 16           |
| 15/05/24 22:00 | 79          | 33                       | 112                      | 1                        | 13.4       | 75        | 1.1         | 328       | 18           |
| 15/05/24 22:05 | 79          | 33                       | 113                      | 1                        | 13.4       | 76        | 1.3         | 319       | 18           |
| 15/05/24 22:10 | 79          | 34                       | 114                      | 1                        | 13.3       | 76        | 1.2         | 327       | 13           |
| 15/05/24 22:15 | 83          | 33                       | 116                      | 1                        | 13.2       | 77        | 1.1         | 322       | 20           |
| 15/05/24 22:20 | 91          | 29                       | 120                      | 2                        | 13.1       | 77        | 1.1         | 323       | 17           |
| 15/05/24 22:25 | 99          | 32                       | 131                      | 2                        | 12.9       | 78        | 1.4         | 327       | 17           |
| 15/05/24 22:30 | 102         | 38                       | 139                      | 2                        | 12.9       | 78        | 0.9         | 317       | 17           |
| 15/05/24 22:35 | 104         | 36                       | 141                      | 2                        | 12.7       | 79        | 0.8         | 318       | 18           |
| 15/05/24 22:40 | 107         | 36                       | 143                      | 2                        | 12.6       | 79        | 1.0         | 334       | 23           |
| 15/05/24 22:45 | 110         | 36                       | 146                      | 2                        | 12.4       | 80        | 0.8         | 340       | 24           |
| 15/05/24 22:50 | 117         | 34                       | 151                      | 2                        | 12.3       | 80        | 1.2         | 339       | 12           |
| 15/05/24 22:55 | 122         | 36                       | 159                      | 2                        | 12.3       | 80        | 1.4         | 339       | 15           |
| 15/05/24 23:00 | 124         | 37                       | 161                      | 2                        | 12.2       | 80        | 1.0         | 341       | 23           |
| 15/05/24 23:05 | 124         | 37                       | 160                      | 2                        | 12.1       | 81        | 1.0         | 348       | 16           |
| 15/05/24 23:10 | 124         | 37                       | 161                      | 2                        | 11.9       | 81        | 0.6         | 339       | 29           |
| 15/05/24 23:15 | 123         | 35                       | 158                      | 2                        | 12.0       | 82        | 0.6         | 337       | 34           |
| 15/05/24 23:20 | 122         | 33                       | 155                      | 2                        | 11.8       | 82        | 0.6         | 323       | 28           |
| 15/05/24 23:25 | 115         | 32                       | 146                      | 1                        | 11.8       | 82        | 0.8         | 341       | 19           |
| 15/05/24 23:30 | 105         | 32                       | 137                      | 1                        | 11.8       | 82        | 0.6         | 328       | 29           |
| 15/05/24 23:35 | 109         | 30                       | 139                      | 1                        | 11.7       | 82        | 1.0         | 341       | 15           |
| 15/05/24 23:40 | 122         | 33                       | 155                      | 2                        | 11.7       | 82        | 0.8         | 343       | 20           |
| 15/05/24 23:45 | 127         | 34                       | 161                      | 2                        | 11.7       | 82        | 1.1         | 341       | 16           |
| 15/05/24 23:50 | 125         | 29                       | 154                      |                          | 11.6       | 82        | 1.2         | 341       | 14           |
| 15/05/24 23:55 | 122         | 28                       | 150                      |                          | 11.5       | 82        | 1.5         | 352       | 11           |
| 16/05/24 00:00 | 123         | 33                       | 156                      | 2                        | 11.5       | 82        | 1.4         | 352       | 15           |
| 16/05/24 00:05 | 109         | 32                       | 141                      | 2                        | 11.4       | 82        | 1.7         | 350       | 10           |
| 16/05/24 00:10 | 107         | 31                       | 138                      | 2                        | 11.4       | 83        | 1.7         | 345       | 10           |
| 16/05/24 00:15 | 102         | 33                       | 134                      | 2                        | 11.4       | 83        | 1.4         | 355       | 16           |
| 16/05/24 00:20 | 98          | 32                       | 130                      | 1                        | 11.3       | 83        | 1.6         | 354       | 17           |
| 16/05/24 00:25 | 96          | 30                       | 126                      | 1                        | 11.2       | 83        | 1.7         | 357       | 11           |
| 16/05/24 00:30 | 94          | 27                       | 121                      | 1                        | 11.1       | 83        | 1.8         | 355       | 9            |
| 16/05/24 00:35 | 92          | 26                       | 119                      | 2                        | 10.9       | 84        | 2.2         | 3         | 5            |
| 16/05/24 00:40 | 90          | 28                       | 118                      | 2                        | 10.8       | 84        | 2.4         | 7         | 2            |
| 16/05/24 00:45 | 90          | 28                       | 118                      | 1                        | 10.7       | 84        | 1.7         | 7         | 9            |
| 16/05/24 00:50 | 89          | 28                       | 117                      | 1                        | 10.6       | 85        | 2.1         | 7         | 6            |
| 16/05/24 00:55 | 82          | 25                       | 107                      | 1                        | 10.5       | 85        | 2.0         | 4         | 7            |
| 16/05/24 01:00 | 73          | 25                       | 98                       | 1                        | 10.5       | 85        | 1.9         | 3         | 4            |
| 16/05/24 01:05 |             |                          |                          |                          | 10.5       | 85        | 1.9         | 1         | 7            |
| 16/05/24 01:10 |             |                          |                          |                          | 10.7       | 85        | 1.7         | 356       | 24           |
| 16/05/24 01:15 |             |                          |                          |                          | 10.8       | 84        | 1.8         | 355       | 17           |
| 16/05/24 01:20 |             |                          |                          |                          | 10.8       | 84        | 1.9         | 357       | 13           |
| 16/05/24 01:25 |             |                          |                          |                          | 10.6       | 84        | 1.9         | 359       | 11           |
| 16/05/24 01:30 |             |                          |                          |                          | 10.5       | 84        | 2.1         | 359       | 10           |
| 16/05/24 01:35 |             |                          |                          |                          | 10.4       | 85        | 1.8         | 360       | 11           |
| 16/05/24 01:40 |             |                          |                          |                          | 10.5       | 85        | 1.9         | 359       | 11           |
| 16/05/24 01:45 |             |                          |                          |                          | 10.5       | 84        | 1.6         | 0         | 12           |
| 16/05/24 01:50 |             |                          |                          |                          | 10.4       | 85        | 1.7         | 358       | 9            |
| 16/05/24 01:55 |             |                          |                          |                          | 10.4       | 84        | 1.8         | 358       | 10           |
| 16/05/24 02:00 |             |                          |                          |                          | 10.4       | 84        | 1.7         | 3         | 9            |
| 16/05/24 02:05 | 27          | 25                       | 52                       | 1                        | 10.4       | 85        | 1.4         | 351       | 17           |
| 16/05/24 02:10 | 24          | 24                       | 48                       | 1                        | 10.6       | 84        | 1.4         | 337       | 21           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 16/05/24 02:15                              | 25          | 24                       | 48                       | 1                        | 10.7       | 84        | 1.6         | 343       | 18           |
| 16/05/24 02:20                              | 25          | 23                       | 49                       | 1                        | 10.6       | 84        | 1.5         | 340       | 21           |
| 16/05/24 02:25                              | 25          | 23                       | 48                       | 1                        | 10.6       | 84        | 1.6         | 349       | 18           |
| 16/05/24 02:30                              | 26          | 23                       | 49                       | 1                        | 10.6       | 84        | 2.1         | 0         | 11           |
| 16/05/24 02:35                              | 28          | 23                       | 50                       | 1                        | 10.5       | 84        | 2.1         | 357       | 9            |
| 16/05/24 02:40                              | 29          | 23                       | 52                       | 1                        | 10.5       | 84        | 2.0         | 358       | 14           |
| 16/05/24 02:45                              | 31          | 23                       | 54                       | 1                        | 10.5       | 84        | 1.8         | 354       | 15           |
| 16/05/24 02:50                              | 34          | 22                       | 56                       | 1                        | 10.5       | 84        | 1.9         | 357       | 13           |
| 16/05/24 02:55                              | 36          | 22                       | 58                       | 0                        | 10.4       | 84        | 2.0         | 2         | 12           |
| 16/05/24 03:00                              | 36          | 23                       | 59                       | 0                        | 10.2       | 85        | 1.8         | 355       | 12           |
| 16/05/24 03:05                              | 34          | 22                       | 56                       | 0                        | 10.3       | 85        | 1.5         | 347       | 18           |
| 16/05/24 03:10                              | 33          | 22                       | 55                       | 0                        | 10.3       | 85        | 1.7         | 353       | 17           |
| 16/05/24 03:15                              | 32          | 23                       | 54                       | 1                        | 10.3       | 85        | 1.4         | 347       | 14           |
| 16/05/24 03:20                              | 32          | 22                       | 54                       | 1                        | 10.3       | 85        | 1.6         | 353       | 17           |
| 16/05/24 03:25                              | 32          | 23                       | 54                       | 1                        | 10.3       | 85        | 1.7         | 352       | 17           |
| 16/05/24 03:30                              | 32          | 23                       | 55                       | 1                        | 10.3       | 85        | 1.9         | 3         | 8            |
| 16/05/24 03:35                              | 33          | 23                       | 56                       | 1                        | 10.1       | 85        | 1.9         | 3         | 7            |
| 16/05/24 03:40                              | 35          | 23                       | 58                       | 1                        | 10.0       | 86        | 1.8         | 3         | 8            |
| 16/05/24 03:45                              | 41          | 21                       | 62                       | 1                        | 10.0       | 86        | 2.0         | 3         | 17           |
| 16/05/24 03:50                              | 43          | 22                       | 65                       | 1                        | 9.9        | 86        | 1.8         | 2         | 11           |
| 16/05/24 03:55                              | 43          | 23                       | 66                       | 1                        | 9.8        | 87        | 1.5         | 7         | 9            |
| 16/05/24 04:00                              | 38          | 15                       | 53                       | 1                        | 9.8        | 87        | 1.6         | 353       | 17           |
| 16/05/24 04:05                              | 23          | 23                       | 46                       | 1                        | 10.0       | 87        | 1.4         | 357       | 21           |
| 16/05/24 04:10                              | 24          | 23                       | 46                       | 1                        | 10.0       | 86        | 1.6         | 355       | 18           |
| 16/05/24 04:15                              | 26          | 25                       | 51                       | 1                        | 10.1       | 86        | 1.6         | 356       | 19           |
| 16/05/24 04:20                              | 32          | 23                       | 55                       | 1                        | 10.1       | 86        | 1.2         | 352       | 22           |
| 16/05/24 04:25                              | 34          | 22                       | 56                       | 1                        | 10.1       | 87        | 1.2         | 344       | 29           |
| 16/05/24 04:30                              | 33          | 22                       | 55                       | 1                        | 10.1       | 86        | 1.5         | 326       | 23           |
| 16/05/24 04:35                              | 32          | 23                       | 54                       | 1                        | 10.1       | 86        | 1.1         | 344       | 22           |
| 16/05/24 04:40                              | 32          | 22                       | 54                       | 1                        | 10.1       | 87        | 1.3         | 336       | 26           |
| 16/05/24 04:45                              | 33          | 22                       | 55                       | 0                        | 10.0       | 86        | 1.6         | 334       | 24           |
| 16/05/24 04:50                              | 33          | 23                       | 56                       | 0                        | 10.0       | 87        | 1.7         | 332       | 25           |
| 16/05/24 04:55                              | 34          | 23                       | 56                       | 0                        | 9.9        | 87        | 1.6         | 328       | 23           |
| 16/05/24 05:00                              | 35          | 22                       | 57                       | 0                        | 9.8        | 87        | 1.5         | 334       | 22           |
| 16/05/24 05:05                              | 37          | 22                       | 59                       | 0                        | 9.7        | 87        | 1.7         | 341       | 26           |
| 16/05/24 05:10                              | 43          | 21                       | 64                       | 0                        | 9.7        | 87        | 0.9         | 350       | 25           |
| 16/05/24 05:15                              | 50          | 20                       | 70                       | 1                        | 9.6        | 87        | 1.3         | 2         | 22           |
| 16/05/24 05:20                              | 53          | 22                       | 74                       | 1                        | 9.6        | 88        | 1.6         | 359       | 22           |
| 16/05/24 05:25                              | 54          | 21                       | 75                       | 1                        | 9.5        | 88        | 1.8         | 2         | 22           |
| 16/05/24 05:30                              | 54          | 22                       | 77                       | 1                        | 9.5        | 88        | 2.0         | 2         | 16           |
| 16/05/24 05:35                              | 57          | 22                       | 79                       | 1                        | 9.4        | 88        | 1.5         | 12        | 12           |
| 16/05/24 05:40                              | 65          | 20                       | 85                       | 1                        | 9.3        | 89        | 1.8         | 10        | 12           |
| 16/05/24 05:45                              | 66          | 21                       | 87                       | 1                        | 9.3        | 89        | 1.9         | 8         | 14           |
| 16/05/24 05:50                              | 64          | 22                       | 86                       | 1                        | 9.2        | 89        | 1.9         | 4         | 14           |
| 16/05/24 05:55                              | 61          | 23                       | 84                       | 1                        | 9.3        | 89        | 1.9         | 6         | 12           |
| 16/05/24 06:00                              | 60          | 23                       | 83                       | 1                        | 9.3        | 89        | 1.8         | 11        | 10           |
| 16/05/24 06:05                              | 58          | 23                       | 81                       | 1                        | 9.3        | 89        | 2.4         | 7         | 7            |
| 16/05/24 06:10                              | 46          | 23                       | 69                       | 1                        | 9.3        | 89        | 1.9         | 3         | 12           |
| 16/05/24 06:15                              | 42          | 22                       | 64                       | 1                        | 9.3        | 89        | 1.9         | 2         | 12           |
| 16/05/24 06:20                              | 40          | 22                       | 62                       | 1                        | 9.4        | 88        | 1.9         | 1         | 11           |
| 16/05/24 06:25                              | 38          | 22                       | 60                       | 1                        | 9.6        | 88        | 1.3         | 8         | 18           |
| 16/05/24 06:30                              | 39          | 22                       | 61                       | 1                        | 9.5        | 88        | 0.2         | 54        | 55           |
| 16/05/24 06:35                              | 40          | 21                       | 62                       | 1                        | 9.3        | 89        | 0.6         | 39        | 16           |
| 16/05/24 06:40                              | 42          | 22                       | 64                       | 1                        | 9.1        | 90        | 0.7         | 25        | 10           |
| 16/05/24 06:45                              | 50          | 24                       | 74                       | 1                        | 9.0        | 90        | 0.7         | 47        | 11           |
| 16/05/24 06:50                              | 62          | 21                       | 83                       | 1                        | 8.7        | 89        | 1.1         | 44        | 13           |
| 16/05/24 06:55                              | 62          | 21                       | 82                       | 1                        | 8.6        | 89        | 0.9         | 57        | 10           |
| 16/05/24 07:00                              | 62          | 20                       | 82                       | 1                        | 8.5        | 89        | 0.5         | 69        | 13           |
| 16/05/24 07:05                              | 64          | 19                       | 83                       | 1                        | 8.4        | 90        | 0.3         | 134       | 22           |
| 16/05/24 07:10                              | 65          | 19                       | 84                       | 1                        | 8.4        | 90        | 0.2         | 216       | 37           |
| 16/05/24 07:15                              | 64          | 19                       | 84                       | 1                        | 8.5        | 91        | 0.5         | 262       | 15           |
| 16/05/24 07:20                              | 64          | 20                       | 84                       | 1                        | 8.7        | 92        | 0.5         | 287       | 15           |
| 16/05/24 07:25                              | 65          | 20                       | 85                       | 1                        | 9.2        | 92        | 0.7         | 283       | 12           |
| 16/05/24 07:30                              | 70          | 20                       | 90                       | 1                        | 9.5        | 91        | 0.9         | 283       | 14           |
| 16/05/24 07:35                              | 114         | 26                       | 140                      | 1                        | 9.7        | 90        | 1.0         | 298       | 7            |
| 16/05/24 07:40                              | 120         | 28                       | 148                      | 1                        | 9.6        | 89        | 0.8         | 292       | 12           |
| 16/05/24 07:45                              | 119         | 28                       | 147                      | 1                        | 9.7        | 88        | 0.9         | 305       | 7            |
| 16/05/24 07:50                              | 120         | 28                       | 148                      | 1                        | 9.7        | 87        | 0.7         | 311       | 10           |
| 16/05/24 07:55                              | 112         | 28                       | 140                      | 1                        | 9.8        | 86        | 1.0         | 308       | 11           |
| 16/05/24 08:00                              | 114         | 28                       | 142                      | 1                        | 9.9        | 85        | 0.6         | 315       | 18           |
| 16/05/24 08:05                              | 129         | 27                       | 156                      | 1                        | 10.2       | 84        | 0.4         | 298       | 21           |
| 16/05/24 08:10                              | 132         | 27                       | 159                      | 1                        | 10.3       | 83        | 0.4         | 312       | 23           |
| 16/05/24 08:15                              | 136         | 29                       | 166                      | 2                        | 10.5       | 81        | 0.4         | 308       | 33           |
| 16/05/24 08:20                              | 143         | 30                       | 173                      | 2                        | 10.8       | 79        | 0.7         | 15        | 26           |
| 16/05/24 08:25                              | 153         | 29                       | 182                      | 2                        | 10.9       | 78        | 0.7         | 38        | 13           |
| 16/05/24 08:30                              | 150         | 30                       | 180                      | 2                        | 10.9       | 78        | 1.0         | 35        | 12           |
| 16/05/24 08:35                              | 144         | 31                       | 174                      | 2                        | 11.0       | 77        | 1.0         | 43        | 11           |
| 16/05/24 08:40                              | 126         | 28                       | 154                      | 2                        | 11.2       | 76        | 0.8         | 57        | 19           |
| 16/05/24 08:45                              | 123         | 27                       | 150                      | 2                        | 11.4       | 75        | 0.6         | 58        | 26           |
| 16/05/24 08:50                              | 127         | 26                       | 153                      | 2                        | 11.7       | 74        | 0.7         | 55        | 15           |
| 16/05/24 08:55                              | 128         | 26                       | 154                      | 2                        | 11.8       | 74        | 0.4         | 87        | 29           |
| 16/05/24 09:00                              | 132         | 28                       | 160                      | 2                        | 12.4       | 73        | 0.2         | 286       | 70           |
| 16/05/24 09:05                              | 129         | 28                       | 157                      | 2                        | 12.7       | 71        | 0.3         | 319       | 50           |
| 16/05/24 09:10                              | 76          | 27                       | 103                      | 2                        | 12.9       | 71        | 0.3         | 311       | 42           |
| 16/05/24 09:15                              | 63          | 27                       | 90                       | 2                        | 12.8       | 71        | 0.5         | 265       | 31           |
| 16/05/24 09:20                              | 63          | 27                       | 91                       | 2                        | 12.6       | 74        | 0.6         | 296       | 27           |
| 16/05/24 09:25                              | 64          | 27                       | 91                       | 2                        | 12.8       | 73        | 0.4         | 36        | 44           |
| 16/05/24 09:30                              | 81          | 29                       | 110                      | 1                        | 13.2       | 70        | 0.6         | 104       | 20           |
| 16/05/24 09:35                              | 102         | 31                       | 132                      | 2                        | 13.5       | 70        | 0.4         | 130       | 31           |
| 16/05/24 09:40                              | 101         | 30                       | 131                      | 2                        | 14.0       | 68        | 0.3         | 127       | 42           |
| 16/05/24 09:45                              | 101         | 27                       | 129                      | 2                        | 14.5       | 67        | 0.4         | 179       | 45           |
| 16/05/24 09:50                              | 100         | 27                       | 127                      | 2                        | 14.8       | 66        | 0.4         | 210       | 26           |
| 16/05/24 09:55                              | 100         | 29                       | 129                      | 2                        | 14.9       | 65        | 0.6         | 176       | 23           |
| 16/05/24 10:00                              | 100         | 30                       | 130                      | 2                        | 14.9       | 66        | 0.7         | 210       | 17           |
| 16/05/24 10:05                              | 99          | 30                       | 128                      | 2                        | 14.2       | 69        | 0.9         | 193       | 17           |
| 16/05/24 10:10                              | 99          | 30                       | 129                      | 2                        | 14.5       | 68        | 0.5         | 152       | 34           |
| 16/05/24 10:15                              | 100         | 30                       | 130                      | 2                        | 15.0       | 67        | 0.9         | 189       | 20           |
| 16/05/24 10:20                              | 101         | 30                       | 132                      | 2                        | 15.2       | 66        | 0.8         | 188       | 21           |
| 16/05/24 10:25                              | 103         | 31                       | 134                      | 2                        | 14.6       | 67        | 0.9         | 210       | 13           |
| 16/05/24 10:30                              | 116         | 22                       | 139                      | 2                        | 14.5       | 69        | 0.5         | 187       | 30           |
| 16/05/24 10:35                              | 112         | 31                       | 142                      | 2                        | 15.0       | 69        | 0.8         | 208       | 12           |
| 16/05/24 10:40                              | 108         | 30                       | 138                      | 2                        | 14.5       | 68        | 0.5         | 212       | 23           |
| 16/05/24 10:45                              | 105         | 33                       | 138                      | 2                        | 14.8       | 68        | 1.1         | 198       | 8            |
| 16/05/24 10:50                              | 103         | 34                       | 137                      | 2                        | 14.6       | 69        | 0.8         | 208       | 14           |
| 16/05/24 10:55                              | 103         | 35                       | 137                      | 2                        | 14.9       | 68        | 0.7         | 202       | 12           |
| 16/05/24 11:00                              | 104         | 35                       | 139                      | 2                        | 15.2       | 67        | 0.8         | 184       | 19           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 16/05/24 11:05 | 104         | 35                       | 139                      | 2                        | 15.8       | 66        | 1.1         | 201       | 24           |
| 16/05/24 11:10 | 101         | 36                       | 137                      | 2                        | 15.2       | 67        | 1.1         | 218       | 11           |
| 16/05/24 11:15 | 100         | 37                       | 137                      | 2                        | 15.1       | 68        | 1.2         | 203       | 5            |
| 16/05/24 11:20 | 102         | 37                       | 139                      | 2                        | 15.0       | 68        | 1.1         | 195       | 6            |
| 16/05/24 11:25 | 103         | 37                       | 140                      | 2                        | 15.3       | 68        | 1.1         | 206       | 6            |
| 16/05/24 11:30 | 104         | 37                       | 141                      | 2                        | 15.5       | 66        | 0.9         | 194       | 13           |
| 16/05/24 11:35 | 104         | 37                       | 142                      | 3                        | 16.1       | 65        | 0.7         | 162       | 30           |
| 16/05/24 11:40 | 103         | 38                       | 140                      | 3                        | 16.8       | 62        | 0.8         | 144       | 26           |
| 16/05/24 11:45 | 102         | 38                       | 140                      | 3                        | 17.1       | 60        | 0.8         | 150       | 23           |
| 16/05/24 11:50 | 100         | 39                       | 139                      | 3                        | 17.4       | 60        | 0.8         | 147       | 24           |
| 16/05/24 11:55 | 97          | 40                       | 137                      | 3                        | 17.6       | 59        | 0.8         | 158       | 30           |
| 16/05/24 12:00 | 92          | 42                       | 134                      | 3                        | 17.6       | 59        | 1.0         | 144       | 26           |
| 16/05/24 12:05 | 85          | 44                       | 129                      | 3                        | 17.7       | 59        | 0.7         | 162       | 37           |
| 16/05/24 12:10 | 82          | 38                       | 120                      | 3                        | 17.7       | 60        | 1.0         | 159       | 31           |
| 16/05/24 12:15 | 80          | 36                       | 116                      | 3                        | 17.6       | 61        | 1.0         | 153       | 29           |
| 16/05/24 12:20 | 80          | 36                       | 116                      | 3                        | 17.5       | 61        | 1.1         | 167       | 27           |
| 16/05/24 12:25 | 81          | 37                       | 118                      | 3                        | 17.6       | 60        | 1.2         | 152       | 27           |
| 16/05/24 12:30 | 81          | 38                       | 119                      | 3                        | 17.5       | 61        | 1.1         | 168       | 31           |
| 16/05/24 12:35 | 81          | 38                       | 119                      | 3                        | 17.6       | 60        | 1.4         | 162       | 23           |
| 16/05/24 12:40 | 81          | 39                       | 120                      | 3                        | 17.3       | 61        | 1.1         | 154       | 26           |
| 16/05/24 12:45 | 80          | 39                       | 119                      | 3                        | 17.5       | 62        | 1.1         | 161       | 30           |
| 16/05/24 12:50 | 76          | 38                       | 114                      | 3                        | 17.5       | 62        | 1.1         | 152       | 29           |
| 16/05/24 12:55 | 66          | 34                       | 99                       | 3                        | 17.6       | 63        | 0.9         | 156       | 39           |
| 16/05/24 13:00 | 53          | 34                       | 87                       | 3                        | 17.8       | 62        | 0.7         | 159       | 42           |
| 16/05/24 13:05 | 44          | 32                       | 76                       | 3                        | 18.1       | 61        | 0.8         | 172       | 29           |
| 16/05/24 13:10 | 42          | 32                       | 74                       | 3                        | 18.0       | 61        | 1.2         | 155       | 26           |
| 16/05/24 13:15 | 41          | 32                       | 73                       | 2                        | 17.9       | 63        | 1.0         | 157       | 32           |
| 16/05/24 13:20 | 40          | 31                       | 72                       | 2                        | 18.1       | 62        | 0.9         | 163       | 30           |
| 16/05/24 13:25 | 39          | 31                       | 70                       | 2                        | 18.1       | 63        | 0.8         | 163       | 43           |
| 16/05/24 13:30 | 34          | 32                       | 66                       | 2                        | 17.9       | 63        | 0.8         | 165       | 39           |
| 16/05/24 13:35 | 26          | 26                       | 52                       | 2                        | 18.1       | 63        | 1.0         | 171       | 31           |
| 16/05/24 13:40 | 23          | 24                       | 48                       | 2                        | 18.1       | 63        | 1.0         | 160       | 32           |
| 16/05/24 13:45 | 20          | 23                       | 43                       | 2                        | 18.1       | 64        | 1.1         | 170       | 30           |
| 16/05/24 13:50 | 17          | 18                       | 34                       | 2                        | 17.9       | 64        | 1.4         | 163       | 27           |
| 16/05/24 13:55 | 13          | 17                       | 30                       | 2                        | 17.7       | 66        | 1.9         | 169       | 20           |
| 16/05/24 14:00 | 12          | 17                       | 29                       | 2                        | 17.7       | 66        | 1.6         | 169       | 23           |
| 16/05/24 14:05 | 11          | 16                       | 27                       | 1                        | 17.8       | 65        | 1.7         | 171       | 22           |
| 16/05/24 14:10 | 11          | 16                       | 27                       | 1                        | 17.9       | 65        | 1.8         | 179       | 17           |
| 16/05/24 14:15 | 11          | 17                       | 29                       | 1                        | 17.8       | 66        | 2.0         | 180       | 17           |
| 16/05/24 14:20 | 12          | 19                       | 31                       | 1                        | 18.0       | 66        | 1.9         | 179       | 17           |
| 16/05/24 14:25 | 13          | 19                       | 32                       | 1                        | 17.9       | 66        | 1.8         | 181       | 16           |
| 16/05/24 14:30 | 13          | 19                       | 31                       | 1                        | 17.9       | 66        | 1.8         | 177       | 16           |
| 16/05/24 14:35 | 12          | 18                       | 30                       | 1                        | 18.1       | 66        | 1.5         | 165       | 24           |
| 16/05/24 14:40 | 12          | 16                       | 27                       | 1                        | 18.0       | 66        | 1.1         | 163       | 32           |
| 16/05/24 14:45 | 10          | 12                       | 22                       | 1                        | 17.9       | 66        | 1.0         | 169       | 39           |
| 16/05/24 14:50 | 7           | 12                       | 19                       | 1                        | 18.1       | 66        | 0.9         | 159       | 35           |
| 16/05/24 14:55 | 5           | 12                       | 17                       | 1                        | 18.3       | 64        | 1.1         | 161       | 31           |
| 16/05/24 15:00 | 5           | 11                       | 16                       | 1                        | 18.3       | 65        | 1.0         | 168       | 32           |
| 16/05/24 15:05 | 4           | 11                       | 15                       | 1                        | 18.2       | 65        | 0.9         | 165       | 42           |
| 16/05/24 15:10 | 4           | 10                       | 14                       | 1                        | 18.4       | 65        | 0.8         | 161       | 40           |
| 16/05/24 15:15 | 4           | 10                       | 14                       | 1                        | 18.3       | 64        | 1.2         | 158       | 28           |
| 16/05/24 15:20 | 3           | 9                        | 13                       | 1                        | 18.1       | 65        | 1.6         | 150       | 18           |
| 16/05/24 15:25 | 3           | 9                        | 12                       | 1                        | 18.0       | 66        | 1.5         | 151       | 20           |
| 16/05/24 15:30 | 3           | 8                        | 10                       | 1                        | 18.0       | 65        | 1.4         | 153       | 24           |
| 16/05/24 15:35 | 2           | 7                        | 9                        | 1                        | 18.0       | 65        | 1.1         | 162       | 24           |
| 16/05/24 15:40 | 2           | 6                        | 9                        | 1                        | 18.0       | 65        | 1.2         | 149       | 23           |
| 16/05/24 15:45 | 2           | 6                        | 8                        | 0                        | 17.9       | 64        | 1.5         | 155       | 20           |
| 16/05/24 15:50 | 2           | 6                        | 8                        | 1                        | 17.9       | 65        | 1.3         | 148       | 17           |
| 16/05/24 15:55 | 2           | 5                        | 7                        | 1                        | 17.9       | 65        | 1.3         | 145       | 18           |
| 16/05/24 16:00 | 1           | 5                        | 7                        | 1                        | 17.9       | 64        | 1.5         | 145       | 14           |
| 16/05/24 16:05 | 1           | 5                        | 6                        | 1                        | 18.0       | 65        | 1.3         | 150       | 14           |
| 16/05/24 16:10 | 1           | 5                        | 6                        | 1                        | 18.0       | 65        | 0.9         | 157       | 27           |
| 16/05/24 16:15 | 1           | 4                        | 5                        | 1                        | 18.0       | 65        | 1.1         | 154       | 23           |
| 16/05/24 16:20 | 1           | 4                        | 5                        | 1                        | 18.0       | 65        | 1.0         | 167       | 28           |
| 16/05/24 16:25 | 1           | 4                        | 4                        | 0                        | 17.9       | 66        | 0.8         | 170       | 37           |
| 16/05/24 16:30 | 1           | 4                        | 4                        | 0                        | 17.8       | 66        | 0.8         | 174       | 34           |
| 16/05/24 16:35 | 1           | 4                        | 4                        | 0                        | 17.7       | 66        | 0.9         | 166       | 31           |
| 16/05/24 16:40 | 1           | 3                        | 4                        | 0                        | 17.6       | 67        | 1.2         | 158       | 23           |
| 16/05/24 16:45 | 0           | 3                        | 4                        | 0                        | 17.3       | 68        | 1.4         | 145       | 17           |
| 16/05/24 16:50 | 0           | 3                        | 3                        | 0                        | 17.2       | 69        | 1.0         | 146       | 22           |
| 16/05/24 16:55 | 0           | 3                        | 3                        | 0                        | 17.1       | 69        | 1.2         | 135       | 20           |
| 16/05/24 17:00 | 0           | 3                        | 3                        | 0                        | 17.0       | 70        | 1.2         | 140       | 15           |
| 16/05/24 17:05 | 0           | 2                        | 3                        | 0                        | 16.8       | 71        | 1.3         | 145       | 17           |
| 16/05/24 17:10 | 0           | 2                        | 2                        | 0                        | 16.6       | 72        | 1.1         | 140       | 18           |
| 16/05/24 17:15 | 0           | 2                        | 2                        | 0                        | 16.5       | 73        | 1.1         | 137       | 19           |
| 16/05/24 17:20 | 0           | 2                        | 2                        | 0                        | 16.3       | 73        | 1.3         | 142       | 16           |
| 16/05/24 17:25 | 0           | 2                        | 2                        | 0                        | 16.1       | 73        | 1.1         | 141       | 18           |
| 16/05/24 17:30 | 0           | 1                        | 1                        | 0                        | 16.0       | 74        | 1.4         | 141       | 12           |
| 16/05/24 17:35 | 0           | 1                        | 2                        | 0                        | 16.0       | 74        | 1.3         | 141       | 15           |
| 16/05/24 17:40 | 0           | 2                        | 2                        | 0                        | 16.0       | 75        | 1.3         | 142       | 14           |
| 16/05/24 17:45 | 0           | 2                        | 2                        | 0                        | 15.9       | 75        | 1.3         | 148       | 17           |
| 16/05/24 17:50 | 0           | 2                        | 3                        | 0                        | 15.9       | 76        | 0.9         | 132       | 19           |
| 16/05/24 17:55 | 0           | 3                        | 3                        | 0                        | 16.0       | 78        | 1.0         | 116       | 15           |
| 16/05/24 18:00 | 0           | 4                        | 4                        | 0                        | 15.6       | 79        | 1.2         | 101       | 8            |
| 16/05/24 18:05 | 0           | 6                        | 7                        | 0                        | 15.5       | 80        | 1.1         | 107       | 6            |
| 16/05/24 18:10 | 0           | 13                       | 13                       | 0                        | 15.4       | 80        | 1.2         | 111       | 5            |
| 16/05/24 18:15 | 1           | 20                       | 21                       | 0                        | 15.3       | 79        | 1.1         | 106       | 6            |
| 16/05/24 18:20 | 4           | 31                       | 35                       | 0                        | 15.1       | 77        | 1.3         | 90        | 8            |
| 16/05/24 18:25 | 9           | 30                       | 39                       | 0                        | 15.0       | 75        | 1.1         | 86        | 7            |
| 16/05/24 18:30 | 10          | 29                       | 39                       | 1                        | 15.1       | 73        | 1.2         | 77        | 11           |
| 16/05/24 18:35 | 12          | 29                       | 40                       | 0                        | 15.2       | 73        | 1.5         | 60        | 10           |
| 16/05/24 18:40 | 22          | 35                       | 57                       | 0                        | 15.1       | 74        | 1.2         | 56        | 9            |
| 16/05/24 18:45 | 31          | 34                       | 65                       | 0                        | 15.0       | 74        | 1.2         | 64        | 11           |
| 16/05/24 18:50 | 28          | 32                       | 60                       | 1                        | 15.0       | 74        | 1.5         | 55        | 8            |
| 16/05/24 18:55 | 41          | 32                       | 73                       | 1                        | 14.9       | 75        | 1.4         | 52        | 7            |
| 16/05/24 19:00 | 45          | 33                       | 78                       | 1                        | 14.7       | 76        | 1.3         | 49        | 7            |
| 16/05/24 19:05 | 46          | 34                       | 80                       | 1                        | 14.6       | 75        | 1.1         | 63        | 12           |
| 16/05/24 19:10 | 38          | 37                       | 74                       | 1                        | 14.8       | 74        | 1.2         | 62        | 14           |
| 16/05/24 19:15 | 35          | 35                       | 70                       | 1                        | 14.9       | 73        | 1.2         | 61        | 12           |
| 16/05/24 19:20 | 34          | 35                       | 69                       | 1                        | 14.9       | 73        | 1.4         | 55        | 8            |
| 16/05/24 19:25 | 35          | 35                       | 70                       | 1                        | 14.9       | 72        | 1.5         | 63        | 14           |
| 16/05/24 19:30 | 40          | 33                       | 73                       | 1                        | 14.9       | 73        | 1.3         | 47        | 9            |
| 16/05/24 19:35 | 51          | 30                       | 81                       | 1                        | 14.5       | 74        | 1.1         | 29        | 8            |
| 16/05/24 19:40 | 54          | 33                       | 87                       | 1                        | 14.5       | 75        | 1.3         | 25        | 6            |
| 16/05/24 19:45 | 61          | 36                       | 97                       | 1                        | 14.4       | 75        | 1.1         | 31        | 5            |
| 16/05/24 19:50 | 65          | 35                       | 101                      | 1                        | 14.3       | 76        | 1.1         | 29        | 7            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 16/05/24 19:55 | 65          | 35                       | 101                      | 1                        | 14.1       | 76        | 1.0         | 22        | 10           |
| 16/05/24 20:00 | 76          | 39                       | 114                      | 1                        | 14.4       | 75        | 0.8         | 355       | 9            |
| 16/05/24 20:05 | 132         | 39                       | 170                      | 1                        | 14.4       | 75        | 1.2         | 349       | 7            |
| 16/05/24 20:10 | 149         | 41                       | 190                      | 2                        | 14.5       | 74        | 1.3         | 343       | 9            |
| 16/05/24 20:15 | 153         | 42                       | 195                      | 2                        | 14.5       | 75        | 1.3         | 338       | 8            |
| 16/05/24 20:20 | 161         | 41                       | 202                      | 2                        | 14.4       | 75        | 1.3         | 338       | 9            |
| 16/05/24 20:25 | 161         | 42                       | 203                      | 2                        | 14.5       | 75        | 1.1         | 332       | 8            |
| 16/05/24 20:30 | 156         | 41                       | 197                      | 2                        | 14.4       | 76        | 1.3         | 339       | 8            |
| 16/05/24 20:35 | 141         | 46                       | 187                      | 2                        | 14.4       | 75        | 1.8         | 339       | 10           |
| 16/05/24 20:40 | 132         | 40                       | 172                      | 2                        | 14.5       | 75        | 1.8         | 335       | 10           |
| 16/05/24 20:45 | 120         | 39                       | 159                      | 2                        | 14.4       | 74        | 1.9         | 334       | 10           |
| 16/05/24 20:50 | 109         | 38                       | 147                      | 2                        | 14.5       | 74        | 1.7         | 332       | 12           |
| 16/05/24 20:55 | 101         | 37                       | 138                      | 2                        | 14.5       | 75        | 1.6         | 331       | 16           |
| 16/05/24 21:00 | 95          | 37                       | 132                      | 1                        | 14.5       | 75        | 1.6         | 329       | 15           |
| 16/05/24 21:05 | 93          | 35                       | 127                      | 1                        | 14.4       | 75        | 1.4         | 332       | 16           |
| 16/05/24 21:10 | 89          | 33                       | 123                      | 1                        | 14.5       | 75        | 1.2         | 322       | 13           |
| 16/05/24 21:15 | 84          | 33                       | 117                      | 1                        | 14.4       | 75        | 1.4         | 326       | 15           |
| 16/05/24 21:20 | 79          | 34                       | 114                      | 1                        | 14.3       | 76        | 1.4         | 327       | 18           |
| 16/05/24 21:25 | 81          | 34                       | 115                      | 2                        | 14.2       | 76        | 1.4         | 322       | 17           |
| 16/05/24 21:30 | 84          | 34                       | 118                      | 2                        | 14.3       | 76        | 1.7         | 320       | 18           |
| 16/05/24 21:35 | 84          | 34                       | 118                      | 1                        | 14.2       | 76        | 1.5         | 321       | 15           |
| 16/05/24 21:40 | 94          | 35                       | 129                      | 2                        | 14.0       | 76        | 1.4         | 323       | 14           |
| 16/05/24 21:45 | 113         | 35                       | 148                      | 2                        | 13.9       | 77        | 0.8         | 320       | 26           |
| 16/05/24 21:50 | 113         | 34                       | 147                      | 2                        | 13.8       | 77        | 1.1         | 353       | 33           |
| 16/05/24 21:55 | 108         | 35                       | 143                      | 2                        | 13.7       | 78        | 1.0         | 344       | 30           |
| 16/05/24 22:00 | 98          | 41                       | 139                      | 2                        | 13.6       | 78        | 1.3         | 349       | 29           |
| 16/05/24 22:05 | 100         | 39                       | 139                      | 2                        | 13.5       | 78        | 0.9         | 344       | 36           |
| 16/05/24 22:10 | 104         | 37                       | 141                      | 2                        | 13.4       | 79        | 0.7         | 346       | 36           |
| 16/05/24 22:15 | 107         | 36                       | 142                      | 2                        | 13.3       | 79        | 1.1         | 344       | 23           |
| 16/05/24 22:20 | 105         | 36                       | 141                      | 2                        | 13.3       | 79        | 0.8         | 352       | 31           |
| 16/05/24 22:25 | 99          | 39                       | 138                      | 2                        | 13.3       | 79        | 0.7         | 341       | 34           |
| 16/05/24 22:30 | 96          | 39                       | 135                      | 2                        | 13.3       | 79        | 0.8         | 341       | 26           |
| 16/05/24 22:35 | 93          | 36                       | 129                      | 2                        | 13.4       | 79        | 1.0         | 344       | 20           |
| 16/05/24 22:40 | 91          | 34                       | 125                      | 2                        | 13.3       | 79        | 0.9         | 318       | 23           |
| 16/05/24 22:45 | 91          | 34                       | 125                      | 2                        | 13.3       | 79        | 0.6         | 342       | 28           |
| 16/05/24 22:50 | 92          | 34                       | 126                      | 2                        | 13.1       | 80        | 0.7         | 332       | 32           |
| 16/05/24 22:55 | 94          | 35                       | 129                      | 2                        | 12.9       | 80        | 0.6         | 313       | 29           |
| 16/05/24 23:00 | 98          | 37                       | 135                      | 2                        | 12.9       | 81        | 1.1         | 315       | 19           |
| 16/05/24 23:05 | 110         | 36                       | 146                      | 2                        | 13.1       | 81        | 1.0         | 322       | 24           |
| 16/05/24 23:10 | 114         | 36                       | 150                      | 2                        | 13.1       | 81        | 0.9         | 316       | 21           |
| 16/05/24 23:15 | 113         | 37                       | 150                      | 2                        | 13.0       | 81        | 1.2         | 317       | 21           |
| 16/05/24 23:20 | 112         | 37                       | 150                      | 2                        | 13.0       | 81        | 1.2         | 317       | 20           |
| 16/05/24 23:25 | 126         | 38                       | 164                      | 2                        | 13.1       | 81        | 1.1         | 309       | 15           |
| 16/05/24 23:30 | 123         | 34                       | 157                      | 2                        | 12.8       | 81        | 1.0         | 324       | 27           |
| 16/05/24 23:35 | 115         | 35                       | 151                      | 2                        | 12.7       | 81        | 0.7         | 319       | 31           |
| 16/05/24 23:40 | 109         | 32                       | 141                      | 2                        | 12.6       | 82        | 0.6         | 349       | 46           |
| 16/05/24 23:45 | 107         | 34                       | 141                      | 1                        | 12.4       | 82        | 0.9         | 358       | 27           |
| 16/05/24 23:50 | 116         | 31                       | 147                      |                          | 12.0       | 83        | 0.8         | 24        | 22           |
| 16/05/24 23:55 | 121         | 33                       | 154                      |                          | 11.7       | 85        | 1.0         | 34        | 9            |
| 17/05/24 00:00 | 122         | 32                       | 155                      | 1                        | 11.7       | 86        | 0.8         | 21        | 13           |
| 17/05/24 00:05 | 118         | 34                       | 152                      | 2                        | 11.6       | 87        | 0.6         | 13        | 30           |
| 17/05/24 00:10 | 99          | 30                       | 129                      | 2                        | 11.6       | 87        | 0.5         | 49        | 22           |
| 17/05/24 00:15 | 85          | 26                       | 111                      | 1                        | 11.4       | 88        | 0.4         | 21        | 36           |
| 17/05/24 00:20 | 97          | 26                       | 124                      | 1                        | 11.4       | 88        | 0.2         | 1         | 27           |
| 17/05/24 00:25 | 99          | 28                       | 127                      | 1                        | 11.3       | 88        | 0.4         | 328       | 15           |
| 17/05/24 00:30 | 99          | 29                       | 128                      | 1                        | 11.3       | 88        | 0.6         | 354       | 17           |
| 17/05/24 00:35 | 98          | 29                       | 127                      | 2                        | 11.3       | 88        | 0.8         | 14        | 10           |
| 17/05/24 00:40 | 100         | 28                       | 128                      | 1                        | 11.3       | 88        | 0.4         | 357       | 20           |
| 17/05/24 00:45 | 101         | 28                       | 129                      | 1                        | 11.3       | 89        | 0.6         | 324       | 13           |
| 17/05/24 00:50 | 100         | 28                       | 128                      | 2                        | 11.5       | 89        | 0.7         | 309       | 12           |
| 17/05/24 00:55 | 99          | 28                       | 127                      | 2                        | 11.5       | 87        | 0.9         | 352       | 17           |
| 17/05/24 01:00 | 94          | 28                       | 122                      | 1                        | 11.3       | 87        | 1.2         | 11        | 11           |
| 17/05/24 01:05 |             |                          |                          |                          | 11.1       | 88        | 1.0         | 13        | 18           |
| 17/05/24 01:10 |             |                          |                          |                          | 11.0       | 88        | 0.6         | 32        | 17           |
| 17/05/24 01:15 |             |                          |                          |                          | 10.8       | 89        | 0.5         | 336       | 43           |
| 17/05/24 01:20 |             |                          |                          |                          | 10.7       | 89        | 0.5         | 286       | 34           |
| 17/05/24 01:25 |             |                          |                          |                          | 10.7       | 91        | 0.6         | 282       | 22           |
| 17/05/24 01:30 |             |                          |                          |                          | 11.2       | 92        | 0.9         | 291       | 19           |
| 17/05/24 01:35 |             |                          |                          |                          | 11.3       | 89        | 0.9         | 309       | 24           |
| 17/05/24 01:40 |             |                          |                          |                          | 11.3       | 88        | 1.0         | 320       | 28           |
| 17/05/24 01:45 |             |                          |                          |                          | 11.2       | 87        | 1.1         | 329       | 17           |
| 17/05/24 01:50 |             |                          |                          |                          | 11.1       | 86        | 1.9         | 353       | 17           |
| 17/05/24 01:55 |             |                          |                          |                          | 10.6       | 87        | 1.7         | 4         | 19           |
| 17/05/24 02:00 |             |                          |                          |                          | 10.5       | 89        | 1.4         | 344       | 16           |
| 17/05/24 02:05 | 57          | 27                       | 84                       | 1                        | 10.8       | 88        | 1.6         | 318       | 17           |
| 17/05/24 02:10 | 53          | 25                       | 78                       | 1                        | 11.4       | 86        | 1.8         | 309       | 7            |
| 17/05/24 02:15 | 62          | 26                       | 87                       | 1                        | 11.5       | 86        | 1.7         | 303       | 8            |
| 17/05/24 02:20 | 62          | 26                       | 88                       | 1                        | 11.5       | 85        | 1.7         | 306       | 13           |
| 17/05/24 02:25 | 64          | 25                       | 88                       | 1                        | 11.4       | 85        | 1.7         | 305       | 8            |
| 17/05/24 02:30 | 64          | 23                       | 88                       | 1                        | 11.3       | 85        | 1.6         | 305       | 15           |
| 17/05/24 02:35 | 72          | 23                       | 95                       | 1                        | 11.4       | 85        | 1.8         | 306       | 9            |
| 17/05/24 02:40 | 74          | 21                       | 95                       | 1                        | 11.3       | 85        | 1.6         | 313       | 13           |
| 17/05/24 02:45 | 52          | 22                       | 75                       | 1                        | 11.4       | 85        | 2.0         | 308       | 13           |
| 17/05/24 02:50 | 46          | 21                       | 67                       | 1                        | 11.6       | 84        | 2.1         | 312       | 10           |
| 17/05/24 02:55 | 54          | 21                       | 75                       | 1                        | 11.5       | 85        | 1.6         | 317       | 12           |
| 17/05/24 03:00 | 60          | 23                       | 83                       | 1                        | 11.4       | 85        | 1.5         | 322       | 13           |
| 17/05/24 03:05 | 72          | 22                       | 94                       | 1                        | 11.1       | 85        | 1.2         | 344       | 22           |
| 17/05/24 03:10 | 82          | 24                       | 106                      | 1                        | 10.9       | 86        | 1.3         | 336       | 18           |
| 17/05/24 03:15 | 71          | 27                       | 98                       | 1                        | 10.9       | 88        | 1.3         | 306       | 16           |
| 17/05/24 03:20 | 52          | 23                       | 75                       | 1                        | 11.3       | 88        | 1.6         | 291       | 12           |
| 17/05/24 03:25 | 41          | 21                       | 62                       | 1                        | 11.6       | 87        | 1.8         | 299       | 13           |
| 17/05/24 03:30 | 32          | 22                       | 54                       | 1                        | 11.5       | 86        | 1.9         | 304       | 13           |
| 17/05/24 03:35 | 44          | 21                       | 65                       | 1                        | 11.3       | 87        | 1.4         | 323       | 18           |
| 17/05/24 03:40 | 90          | 24                       | 114                      | 1                        | 10.9       | 86        | 1.7         | 359       | 20           |
| 17/05/24 03:45 | 94          | 26                       | 120                      | 1                        | 10.5       | 87        | 2.3         | 1         | 9            |
| 17/05/24 03:50 | 84          | 25                       | 108                      | 1                        | 10.4       | 88        | 1.9         | 2         | 18           |
| 17/05/24 03:55 | 76          | 21                       | 97                       | 1                        | 10.5       | 88        | 2.5         | 357       | 13           |
| 17/05/24 04:00 | 67          | 19                       | 85                       | 1                        | 10.5       | 89        | 1.4         | 343       | 24           |
| 17/05/24 04:05 | 62          | 19                       | 81                       | 1                        | 10.6       | 89        | 2.4         | 359       | 12           |
| 17/05/24 04:10 | 69          | 20                       | 89                       | 1                        | 10.4       | 88        | 2.9         | 4         | 5            |
| 17/05/24 04:15 | 73          | 20                       | 93                       | 2                        | 10.4       | 89        | 2.7         | 360       | 7            |
| 17/05/24 04:20 | 67          | 18                       | 85                       | 2                        | 10.5       | 89        | 2.3         | 350       | 12           |
| 17/05/24 04:25 | 51          | 22                       | 72                       | 1                        | 10.5       | 88        | 2.5         | 346       | 11           |
| 17/05/24 04:30 | 45          | 20                       | 65                       | 1                        | 10.6       | 88        | 2.2         | 348       | 12           |
| 17/05/24 04:35 | 62          | 20                       | 82                       | 1                        | 10.5       | 88        | 1.6         | 346       | 11           |
| 17/05/24 04:40 | 69          | 19                       | 88                       | 1                        | 10.4       | 88        | 1.4         | 355       | 24           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 17/05/24 04:45 | 72          | 20                       | 93                       | 1                        | 10.2       | 88        | 2.1         | 8         | 10           |
| 17/05/24 04:50 | 76          | 19                       | 96                       | 1                        | 10.1       | 89        | 2.6         | 2         | 7            |
| 17/05/24 04:55 | 64          | 20                       | 85                       | 1                        | 10.2       | 89        | 2.5         | 4         | 3            |
| 17/05/24 05:00 | 62          | 20                       | 82                       | 1                        | 10.2       | 89        | 3.0         | 5         | 5            |
| 17/05/24 05:05 | 57          | 19                       | 76                       | 1                        | 10.4       | 90        | 2.5         | 353       | 12           |
| 17/05/24 05:10 | 50          | 20                       | 71                       | 1                        | 10.5       | 89        | 1.7         | 354       | 15           |
| 17/05/24 05:15 | 54          | 21                       | 75                       | 1                        | 10.6       | 89        | 1.8         | 359       | 19           |
| 17/05/24 05:20 | 45          | 26                       | 71                       | 1                        | 10.6       | 91        | 2.6         | 349       | 12           |
| 17/05/24 05:25 | 39          | 22                       | 61                       | 1                        | 10.8       | 90        | 2.4         | 347       | 16           |
| 17/05/24 05:30 | 36          | 21                       | 58                       | 1                        | 10.8       | 90        | 2.2         | 343       | 17           |
| 17/05/24 05:35 | 32          | 23                       | 55                       | 1                        | 10.9       | 90        | 2.6         | 351       | 13           |
| 17/05/24 05:40 | 29          | 23                       | 53                       | 1                        | 10.8       | 89        | 1.8         | 343       | 20           |
| 17/05/24 05:45 | 32          | 22                       | 54                       | 1                        | 10.9       | 90        | 1.9         | 354       | 23           |
| 17/05/24 05:50 | 48          | 16                       | 63                       | 1                        | 10.7       | 90        | 1.5         | 343       | 24           |
| 17/05/24 05:55 | 56          | 24                       | 80                       | 1                        | 10.7       | 90        | 1.7         | 353       | 18           |
| 17/05/24 06:00 | 56          | 24                       | 80                       | 1                        | 10.6       | 90        | 2.1         | 359       | 14           |
| 17/05/24 06:05 | 53          | 23                       | 77                       | 1                        | 10.6       | 90        | 1.8         | 355       | 17           |
| 17/05/24 06:10 | 48          | 20                       | 68                       | 1                        | 10.6       | 90        | 2.1         | 354       | 18           |
| 17/05/24 06:15 | 43          | 22                       | 65                       | 1                        | 10.7       | 90        | 1.9         | 350       | 19           |
| 17/05/24 06:20 | 42          | 22                       | 64                       | 1                        | 10.8       | 89        | 2.0         | 360       | 15           |
| 17/05/24 06:25 | 52          | 24                       | 77                       | 1                        | 10.8       | 90        | 1.7         | 351       | 17           |
| 17/05/24 06:30 | 64          | 25                       | 89                       | 1                        | 10.9       | 89        | 2.0         | 344       | 15           |
| 17/05/24 06:35 | 50          | 25                       | 75                       | 1                        | 11.0       | 89        | 2.1         | 345       | 16           |
| 17/05/24 06:40 | 47          | 25                       | 71                       | 1                        | 11.0       | 88        | 2.2         | 351       | 14           |
| 17/05/24 06:45 | 57          | 24                       | 81                       | 1                        | 11.0       | 88        | 2.4         | 350       | 17           |
| 17/05/24 06:50 | 65          | 24                       | 89                       | 1                        | 11.0       | 88        | 2.3         | 354       | 13           |
| 17/05/24 06:55 | 62          | 26                       | 87                       | 1                        | 11.1       | 88        | 1.9         | 346       | 15           |
| 17/05/24 07:00 | 76          | 26                       | 102                      | 1                        | 11.1       | 87        | 1.9         | 350       | 14           |
| 17/05/24 07:05 | 84          | 26                       | 110                      | 1                        | 11.2       | 87        | 2.4         | 341       | 12           |
| 17/05/24 07:10 | 105         | 26                       | 131                      | 1                        | 11.2       | 87        | 2.4         | 338       | 10           |
| 17/05/24 07:15 | 112         | 27                       | 139                      | 2                        | 11.3       | 86        | 2.7         | 334       | 14           |
| 17/05/24 07:20 | 123         | 28                       | 151                      | 2                        | 11.3       | 86        | 2.8         | 340       | 14           |
| 17/05/24 07:25 | 129         | 29                       | 159                      | 2                        | 11.1       | 86        | 3.0         | 336       | 11           |
| 17/05/24 07:30 | 141         | 29                       | 170                      | 2                        | 10.9       | 86        | 2.9         | 346       | 14           |
| 17/05/24 07:35 | 144         | 31                       | 175                      | 2                        | 10.8       | 86        | 2.8         | 347       | 13           |
| 17/05/24 07:40 | 144         | 30                       | 173                      | 2                        | 10.7       | 86        | 2.3         | 354       | 15           |
| 17/05/24 07:45 | 120         | 26                       | 147                      | 2                        | 10.7       | 86        | 2.4         | 355       | 14           |
| 17/05/24 07:50 | 107         | 27                       | 133                      | 2                        | 10.7       | 86        | 2.6         | 358       | 9            |
| 17/05/24 07:55 | 102         | 26                       | 129                      | 2                        | 10.7       | 86        | 3.0         | 359       | 15           |
| 17/05/24 08:00 | 101         | 26                       | 127                      | 2                        | 10.6       | 85        | 3.1         | 352       | 10           |
| 17/05/24 08:05 | 101         | 26                       | 127                      | 2                        | 10.7       | 85        | 2.7         | 353       | 12           |
| 17/05/24 08:10 | 104         | 27                       | 131                      | 2                        | 10.7       | 85        | 2.3         | 356       | 13           |
| 17/05/24 08:15 | 114         | 26                       | 140                      | 2                        | 10.8       | 85        | 2.7         | 4         | 7            |
| 17/05/24 08:20 | 124         | 29                       | 153                      | 2                        | 10.8       | 85        | 2.8         | 2         | 9            |
| 17/05/24 08:25 | 125         | 28                       | 154                      | 2                        | 10.9       | 84        | 2.5         | 352       | 15           |
| 17/05/24 08:30 | 126         | 27                       | 153                      | 2                        | 10.9       | 84        | 2.3         | 351       | 16           |
| 17/05/24 08:35 | 128         | 28                       | 155                      | 2                        | 11.1       | 84        | 2.0         | 351       | 18           |
| 17/05/24 08:40 | 128         | 28                       | 155                      | 2                        | 11.3       | 83        | 2.1         | 346       | 17           |
| 17/05/24 08:45 | 124         | 29                       | 152                      | 2                        | 11.4       | 83        | 1.7         | 354       | 19           |
| 17/05/24 08:50 | 107         | 33                       | 140                      | 2                        | 11.6       | 82        | 2.0         | 335       | 16           |
| 17/05/24 08:55 | 99          | 26                       | 125                      | 3                        | 11.8       | 82        | 2.1         | 335       | 18           |
| 17/05/24 09:00 | 98          | 29                       | 127                      | 2                        | 12.0       | 82        | 1.9         | 331       | 19           |
| 17/05/24 09:05 | 91          | 31                       | 122                      | 2                        | 12.2       | 82        | 1.8         | 325       | 19           |
| 17/05/24 09:10 | 87          | 26                       | 114                      | 2                        | 12.3       | 81        | 2.0         | 319       | 17           |
| 17/05/24 09:15 | 82          | 24                       | 106                      | 2                        | 12.5       | 81        | 2.1         | 324       | 19           |
| 17/05/24 09:20 | 79          | 26                       | 105                      | 3                        | 12.6       | 81        | 2.0         | 326       | 18           |
| 17/05/24 09:25 | 79          | 27                       | 105                      | 3                        | 12.7       | 81        | 1.9         | 332       | 25           |
| 17/05/24 09:30 | 77          | 26                       | 103                      | 3                        | 13.0       | 80        | 2.2         | 335       | 25           |
| 17/05/24 09:35 | 72          | 25                       | 97                       | 3                        | 13.6       | 78        | 2.2         | 335       | 26           |
| 17/05/24 09:40 | 51          | 25                       | 76                       | 3                        | 14.0       | 76        | 1.6         | 343       | 21           |
| 17/05/24 09:45 | 47          | 23                       | 70                       | 3                        | 14.3       | 76        | 1.6         | 336       | 32           |
| 17/05/24 09:50 | 37          | 22                       | 59                       | 3                        | 14.2       | 77        | 1.6         | 328       | 29           |
| 17/05/24 09:55 | 32          | 22                       | 54                       | 3                        | 14.2       | 77        | 1.3         | 320       | 30           |
| 17/05/24 10:00 | 29          | 23                       | 52                       | 3                        | 14.2       | 78        | 1.2         | 338       | 32           |
| 17/05/24 10:05 | 26          | 23                       | 49                       | 3                        | 14.3       | 77        | 1.6         | 320       | 22           |
| 17/05/24 10:10 | 26          | 22                       | 48                       | 3                        | 14.6       | 76        | 1.7         | 315       | 13           |
| 17/05/24 10:15 | 27          | 22                       | 49                       | 3                        | 15.2       | 74        | 1.3         | 338       | 41           |
| 17/05/24 10:20 | 26          | 21                       | 47                       | 3                        | 15.5       | 73        | 1.3         | 318       | 27           |
| 17/05/24 10:25 | 23          | 17                       | 40                       | 3                        | 15.6       | 72        | 1.8         | 302       | 20           |
| 17/05/24 10:30 | 11          | 14                       | 25                       | 3                        | 15.7       | 71        | 1.5         | 313       | 24           |
| 17/05/24 10:35 | 6           | 14                       | 20                       | 3                        | 15.9       | 71        | 1.9         | 297       | 20           |
| 17/05/24 10:40 | 5           | 13                       | 18                       | 3                        | 15.8       | 71        | 1.7         | 296       | 21           |
| 17/05/24 10:45 | 5           | 11                       | 15                       | 2                        | 15.8       | 70        | 1.4         | 283       | 23           |
| 17/05/24 10:50 | 4           | 11                       | 15                       | 2                        | 15.7       | 71        | 2.1         | 270       | 15           |
| 17/05/24 10:55 | 5           | 14                       | 19                       | 2                        | 15.9       | 72        | 2.7         | 275       | 14           |
| 17/05/24 11:00 | 5           | 13                       | 18                       | 2                        | 15.9       | 73        | 3.0         | 255       | 7            |
| 17/05/24 11:05 | 5           | 18                       | 23                       | 2                        | 15.9       | 73        | 3.2         | 256       | 8            |
| 17/05/24 11:10 | 5           | 13                       | 17                       | 2                        | 15.9       | 72        | 3.6         | 258       | 5            |
| 17/05/24 11:15 | 4           | 13                       | 17                       | 2                        | 15.9       | 73        | 3.4         | 256       | 7            |
| 17/05/24 11:20 | 4           | 13                       | 17                       | 2                        | 15.9       | 73        | 3.6         | 259       | 8            |
| 17/05/24 11:25 | 5           | 15                       | 20                       | 2                        | 16.0       | 74        | 3.7         | 257       | 7            |
| 17/05/24 11:30 | 5           | 12                       | 17                       | 2                        | 16.0       | 73        | 2.6         | 248       | 14           |
| 17/05/24 11:35 | 6           | 16                       | 22                       | 2                        | 16.0       | 74        | 3.0         | 230       | 9            |
| 17/05/24 11:40 | 6           | 7                        | 13                       | 2                        | 16.0       | 74        | 3.6         | 231       | 5            |
| 17/05/24 11:45 | 5           | 4                        | 9                        | 2                        | 16.0       | 77        | 4.1         | 227       | 5            |
| 17/05/24 11:50 | 3           | 4                        | 7                        | 2                        | 16.1       | 76        | 5.1         | 227       | 4            |
| 17/05/24 11:55 | 2           | 4                        | 6                        | 2                        | 16.0       | 77        | 5.8         | 230       | 5            |
| 17/05/24 12:00 | 1           | 4                        | 5                        | 1                        | 15.8       | 78        | 5.2         | 229       | 8            |
| 17/05/24 12:05 | 1           | 4                        | 5                        | 1                        | 15.7       | 80        | 5.0         | 220       | 3            |
| 17/05/24 12:10 | 1           | 4                        | 5                        | 1                        | 15.7       | 82        | 4.7         | 221       | 4            |
| 17/05/24 12:15 | 1           | 4                        | 5                        | 1                        | 15.6       | 83        | 4.8         | 222       | 3            |
| 17/05/24 12:20 | 1           | 4                        | 4                        | 1                        | 15.5       | 84        | 4.3         | 225       | 5            |
| 17/05/24 12:25 | 1           | 4                        | 4                        | 1                        | 15.5       | 85        | 4.1         | 216       | 6            |
| 17/05/24 12:30 | 1           | 4                        | 5                        | 1                        | 15.3       | 85        | 4.2         | 218       | 4            |
| 17/05/24 12:35 | 1           | 4                        | 5                        | 1                        | 15.3       | 85        | 3.6         | 219       | 5            |
| 17/05/24 12:40 | 1           | 5                        | 5                        | 1                        | 15.4       | 86        | 3.1         | 223       | 8            |
| 17/05/24 12:45 | 1           | 5                        | 6                        | 1                        | 15.4       | 86        | 3.4         | 225       | 6            |
| 17/05/24 12:50 | 1           | 4                        | 5                        | 1                        | 15.5       | 84        | 4.1         | 233       | 6            |
| 17/05/24 12:55 | 1           | 4                        | 5                        | 1                        | 15.6       | 83        | 3.4         | 235       | 6            |
| 17/05/24 13:00 | 1           | 4                        | 5                        | 1                        | 15.7       | 83        | 3.5         | 229       | 4            |
| 17/05/24 13:05 | 1           | 4                        | 5                        | 1                        | 15.8       | 81        | 4.1         | 244       | 8            |
| 17/05/24 13:10 | 1           | 5                        | 6                        | 1                        | 16.0       | 77        | 5.4         | 235       | 5            |
| 17/05/24 13:15 | 1           | 5                        | 6                        | 1                        | 15.9       | 77        | 5.1         | 239       | 7            |
| 17/05/24 13:20 | 1           | 4                        | 5                        | 1                        | 16.1       | 76        | 5.2         | 241       | 6            |
| 17/05/24 13:25 | 1           | 4                        | 5                        | 1                        | 16.0       | 76        | 5.2         | 240       | 7            |
| 17/05/24 13:30 | 1           | 3                        | 4                        | 1                        | 16.1       | 79        | 5.3         | 226       | 6            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 17/05/24 13:35                              | 1           | 3                        | 4                        | 1                        | 16.0       | 78        | 6.2         | 217       | 6            |
| 17/05/24 13:40                              | 0           | 3                        | 3                        | 1                        | 15.9       | 79        | 5.7         | 223       | 4            |
| 17/05/24 13:45                              | 0           | 3                        | 3                        | 1                        | 15.8       | 80        | 4.8         | 221       | 6            |
| 17/05/24 13:50                              | 0           | 3                        | 3                        | 1                        | 15.7       | 80        | 5.3         | 222       | 5            |
| 17/05/24 13:55                              | 1           | 3                        | 5                        | 1                        | 15.8       | 81        | 4.4         | 226       | 6            |
| 17/05/24 14:00                              | 1           | 4                        | 6                        | 2                        | 15.8       | 81        | 4.9         | 227       | 5            |
| 17/05/24 14:05                              | 1           | 3                        | 4                        | 1                        | 15.8       | 81        | 5.7         | 225       | 5            |
| 17/05/24 14:10                              | 1           | 2                        | 2                        | 1                        | 15.9       | 78        | 6.6         | 221       | 5            |
| 17/05/24 14:15                              | 0           | 2                        | 2                        | 1                        | 15.3       | 85        | 9.6         | 205       | 5            |
| 17/05/24 14:20                              | 0           | 2                        | 2                        | 1                        | 14.4       | 90        | 9.8         | 207       | 4            |
| 17/05/24 14:25                              | 0           | 2                        | 2                        | 1                        | 14.0       | 91        | 10.5        | 203       | 5            |
| 17/05/24 14:30                              | 0           | 2                        | 2                        | 1                        | 13.8       | 91        | 9.8         | 206       | 5            |
| 17/05/24 14:35                              | 1           | 7                        | 7                        | 1                        | 13.7       | 90        | 8.6         | 210       | 5            |
| 17/05/24 14:40                              | 1           | 2                        | 3                        | 1                        | 14.0       | 87        | 7.7         | 220       | 4            |
| 17/05/24 14:45                              | 1           | 1                        | 2                        | 1                        | 14.2       | 84        | 7.5         | 219       | 5            |
| 17/05/24 14:50                              | 1           | 1                        | 2                        | 1                        | 14.4       | 87        | 6.8         | 211       | 4            |
| 17/05/24 14:55                              | 1           | 2                        | 2                        | 1                        | 14.3       | 87        | 8.2         | 202       | 7            |
| 17/05/24 15:00                              | 1           | 2                        | 2                        | 1                        | 13.9       | 90        | 7.3         | 199       | 7            |
| 17/05/24 15:05                              | 1           | 2                        | 3                        | 1                        | 13.7       | 92        | 8.1         | 198       | 6            |
| 17/05/24 15:10                              | 1           | 0                        | 1                        | 1                        | 13.6       | 92        | 8.8         | 207       | 5            |
| 17/05/24 15:15                              | 0           | 0                        | 1                        | 1                        | 14.0       | 88        | 8.9         | 205       | 4            |
| 17/05/24 15:20                              | 0           | 1                        | 1                        | 1                        | 14.1       | 87        | 7.7         | 208       | 5            |
| 17/05/24 15:25                              | 0           | 1                        | 1                        | 1                        | 14.2       | 86        | 6.8         | 201       | 8            |
| 17/05/24 15:30                              | 0           | 1                        | 1                        | 1                        | 14.3       | 85        | 6.9         | 203       | 6            |
| 17/05/24 15:35                              | 0           | 1                        | 1                        | 1                        | 14.4       | 84        | 5.5         | 199       | 7            |
| 17/05/24 15:40                              | 0           | 1                        | 1                        | 1                        | 14.6       | 85        | 5.8         | 203       | 5            |
| 17/05/24 15:45                              | 0           | 1                        | 1                        | 1                        | 14.9       | 83        | 5.5         | 200       | 6            |
| 17/05/24 15:50                              | 0           | 1                        | 1                        | 1                        | 15.1       | 82        | 6.7         | 204       | 5            |
| 17/05/24 15:55                              | 0           | 1                        | 1                        | 1                        | 15.4       | 66        | 8.2         | 195       | 7            |
| 17/05/24 16:00                              | 0           | 1                        | 1                        | 1                        | 15.5       | 63        | 7.2         | 197       | 8            |
| 17/05/24 16:05                              | 0           | 2                        | 2                        | 1                        | 15.7       | 65        | 7.2         | 199       | 6            |
| 17/05/24 16:10                              | 0           | 1                        | 2                        | 1                        | 15.7       | 67        | 7.2         | 196       | 7            |
| 17/05/24 16:15                              | 0           | 1                        | 1                        | 1                        | 15.6       | 67        | 7.3         | 197       | 7            |
| 17/05/24 16:20                              | 0           | 1                        | 1                        | 1                        | 15.6       | 65        | 7.6         | 198       | 6            |
| 17/05/24 16:25                              | 0           | 1                        | 1                        | 1                        | 15.6       | 65        | 7.4         | 199       | 6            |
| 17/05/24 16:30                              | 0           | 1                        | 1                        | 1                        | 15.5       | 65        | 6.8         | 197       | 7            |
| 17/05/24 16:35                              | 0           | 1                        | 1                        | 1                        | 15.5       | 62        | 7.6         | 197       | 6            |
| 17/05/24 16:40                              | 0           | 1                        | 1                        | 1                        | 15.4       | 63        | 7.7         | 199       | 6            |
| 17/05/24 16:45                              | 0           | 1                        | 1                        | 1                        | 15.4       | 63        | 8.8         | 201       | 6            |
| 17/05/24 16:50                              | 0           | 1                        | 1                        | 1                        | 15.4       | 63        | 6.4         | 199       | 7            |
| 17/05/24 16:55                              | 0           | 1                        | 1                        | 1                        | 15.4       | 62        | 6.6         | 199       | 7            |
| 17/05/24 17:00                              | 0           | 1                        | 2                        | 1                        | 15.3       | 60        | 7.1         | 197       | 7            |
| 17/05/24 17:05                              | 0           | 1                        | 1                        | 1                        | 15.2       | 62        | 6.9         | 200       | 6            |
| 17/05/24 17:10                              | 0           | 1                        | 1                        | 1                        | 15.3       | 63        | 7.9         | 207       | 6            |
| 17/05/24 17:15                              | 0           | 1                        | 1                        | 1                        | 15.2       | 63        | 8.2         | 205       | 4            |
| 17/05/24 17:20                              | 0           | 1                        | 1                        | 1                        | 15.3       | 63        | 6.3         | 198       | 7            |
| 17/05/24 17:25                              | 0           | 1                        | 1                        | 1                        | 15.2       | 61        | 6.8         | 200       | 7            |
| 17/05/24 17:30                              | 0           | 1                        | 1                        | 1                        | 15.1       | 56        | 6.6         | 195       | 7            |
| 17/05/24 17:35                              | 0           | 1                        | 1                        | 1                        | 15.1       | 56        | 6.7         | 194       | 8            |
| 17/05/24 17:40                              | 0           | 1                        | 1                        | 1                        | 15.0       | 55        | 6.7         | 195       | 8            |
| 17/05/24 17:45                              | 0           | 1                        | 1                        | 1                        | 14.9       | 52        | 7.0         | 192       | 7            |
| 17/05/24 17:50                              | 0           | 1                        | 1                        | 1                        | 14.9       | 55        | 7.0         | 193       | 7            |
| 17/05/24 17:55                              | 0           | 1                        | 2                        | 1                        | 15.0       | 61        | 7.3         | 201       | 4            |
| 17/05/24 18:00                              | 0           | 1                        | 1                        | 1                        | 15.0       | 61        | 5.7         | 195       | 7            |
| 17/05/24 18:05                              | 0           | 1                        | 1                        | 1                        | 14.9       | 61        | 6.9         | 204       | 5            |
| 17/05/24 18:10                              | 0           | 1                        | 1                        | 1                        | 15.1       | 63        | 7.0         | 203       | 4            |
| 17/05/24 18:15                              | 0           | 1                        | 1                        | 1                        | 15.1       | 60        | 6.8         | 199       | 6            |
| 17/05/24 18:20                              | 0           | 1                        | 1                        | 1                        | 15.0       | 59        | 6.8         | 196       | 8            |
| 17/05/24 18:25                              | 0           | 4                        | 4                        | 1                        | 15.0       | 63        | 6.7         | 201       | 7            |
| 17/05/24 18:30                              | 0           | 1                        | 1                        | 1                        | 15.2       | 66        | 6.7         | 203       | 7            |
| 17/05/24 18:35                              | 0           | 1                        | 1                        | 1                        | 15.0       | 58        | 6.7         | 195       | 7            |
| 17/05/24 18:40                              | 0           | 1                        | 1                        | 1                        | 15.0       | 63        | 7.1         | 201       | 6            |
| 17/05/24 18:45                              | 0           | 1                        | 1                        | 1                        | 15.0       | 63        | 7.5         | 200       | 7            |
| 17/05/24 18:50                              | 0           | 1                        | 1                        | 1                        | 15.1       | 61        | 7.4         | 201       | 5            |
| 17/05/24 18:55                              | 0           | 1                        | 1                        | 1                        | 15.0       | 62        | 7.8         | 202       | 6            |
| 17/05/24 19:00                              | 0           | 1                        | 1                        | 1                        | 15.0       | 62        | 7.7         | 206       | 7            |
| 17/05/24 19:05                              | 0           | 1                        | 1                        | 1                        | 15.1       | 60        | 8.8         | 209       | 5            |
| 17/05/24 19:10                              | 0           | 1                        | 1                        | 1                        | 15.0       | 62        | 8.6         | 206       | 4            |
| 17/05/24 19:15                              | 0           | 1                        | 1                        | 1                        | 15.0       | 64        | 8.5         | 201       | 9            |
| 17/05/24 19:20                              | 0           | 1                        | 1                        | 1                        | 14.2       | 72        | 7.6         | 185       | 11           |
| 17/05/24 19:25                              | 0           | 1                        | 1                        | 1                        | 14.0       | 74        | 7.2         | 188       | 9            |
| 17/05/24 19:30                              | 0           | 2                        | 1                        | 0                        | 13.9       | 74        | 5.1         | 186       | 13           |
| 17/05/24 19:35                              | 0           | 1                        | 1                        | 0                        | 13.9       | 74        | 5.0         | 185       | 11           |
| 17/05/24 19:40                              | 0           | 1                        | 1                        | 0                        | 13.8       | 75        | 4.9         | 186       | 12           |
| 17/05/24 19:45                              | 0           | 1                        | 1                        | 0                        | 13.7       | 77        | 5.4         | 185       | 13           |
| 17/05/24 19:50                              | 0           | 1                        | 1                        | 0                        | 13.3       | 78        | 7.1         | 187       | 8            |
| 17/05/24 19:55                              | 0           | 1                        | 1                        | 1                        | 12.9       | 74        | 6.1         | 188       | 10           |
| 17/05/24 20:00                              | 0           | 1                        | 1                        | 1                        | 12.9       | 76        | 5.6         | 190       | 8            |
| 17/05/24 20:05                              | 0           | 1                        | 1                        | 0                        | 13.0       | 79        | 5.7         | 191       | 7            |
| 17/05/24 20:10                              | 0           | 1                        | 1                        | 1                        | 13.0       | 79        | 4.8         | 194       | 7            |
| 17/05/24 20:15                              | 0           | 1                        | 1                        | 1                        | 13.2       | 78        | 5.0         | 196       | 8            |
| 17/05/24 20:20                              | 0           | 1                        | 1                        | 1                        | 13.3       | 76        | 5.0         | 192       | 8            |
| 17/05/24 20:25                              | 0           | 1                        | 1                        | 1                        | 13.5       | 75        | 5.9         | 195       | 7            |
| 17/05/24 20:30                              | 0           | 1                        | 1                        | 0                        | 13.9       | 77        | 6.8         | 215       | 16           |
| 17/05/24 20:35                              | 0           | 1                        | 1                        | 1                        | 13.5       | 82        | 5.4         | 228       | 6            |
| 17/05/24 20:40                              | 0           | 1                        | 1                        | 0                        | 13.5       | 83        | 6.8         | 230       | 8            |
| 17/05/24 20:45                              | 0           | 1                        | 1                        | 0                        | 12.9       | 87        | 8.6         | 221       | 6            |
| 17/05/24 20:50                              | 0           | 1                        | 1                        | 0                        | 11.9       | 89        | 7.9         | 205       | 11           |
| 17/05/24 20:55                              | 0           | 1                        | 1                        | 0                        | 12.1       | 89        | 6.9         | 193       | 9            |
| 17/05/24 21:00                              | 0           | 1                        | 1                        | 0                        | 12.0       | 88        | 5.8         | 194       | 7            |
| 17/05/24 21:05                              | 0           | 1                        | 1                        | 0                        | 12.3       | 86        | 5.6         | 192       | 9            |
| 17/05/24 21:10                              | 0           | 1                        | 1                        | 0                        | 12.3       | 88        | 7.4         | 211       | 11           |
| 17/05/24 21:15                              | 0           | 1                        | 1                        | 0                        | 12.4       | 88        | 7.0         | 203       | 12           |
| 17/05/24 21:20                              | 0           | 1                        | 1                        | 0                        | 12.6       | 80        | 6.8         | 190       | 12           |
| 17/05/24 21:25                              | 0           | 1                        | 1                        | 0                        | 12.9       | 79        | 6.4         | 187       | 10           |
| 17/05/24 21:30                              | 0           | 1                        | 1                        | 0                        | 13.0       | 81        | 4.7         | 182       | 17           |
| 17/05/24 21:35                              | 0           | 1                        | 1                        | 1                        | 12.9       | 83        | 3.7         | 177       | 21           |
| 17/05/24 21:40                              | 0           | 1                        | 1                        | 1                        | 12.8       | 80        | 6.4         | 186       | 10           |
| 17/05/24 21:45                              | 0           | 1                        | 1                        | 1                        | 12.9       | 77        | 5.7         | 187       | 10           |
| 17/05/24 21:50                              | 0           | 1                        | 1                        | 1                        | 13.0       | 77        | 5.8         | 189       | 11           |
| 17/05/24 21:55                              | 0           | 1                        | 1                        | 1                        | 13.0       | 76        | 5.1         | 188       | 11           |
| 17/05/24 22:00                              | 0           | 1                        | 1                        | 0                        | 13.2       | 77        | 4.9         | 187       | 11           |
| 17/05/24 22:05                              | 0           | 1                        | 1                        | 0                        | 13.4       | 75        | 5.3         | 186       | 10           |
| 17/05/24 22:10                              | 0           | 1                        | 1                        | 0                        | 13.4       | 75        | 4.7         | 184       | 15           |
| 17/05/24 22:15                              | 0           | 1                        | 1                        | 0                        | 13.0       | 74        | 6.2         | 185       | 13           |
| 17/05/24 22:20                              | 0           | 1                        | 1                        | 0                        | 12.6       | 80        | 4.2         | 185       | 12           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 17/05/24 22:25 | 0           | 1                        | 1                        | 1                        | 12.8       | 79        | 5.9         | 186       | 14           |
| 17/05/24 22:30 | 0           | 1                        | 1                        | 1                        | 13.1       | 74        | 5.2         | 184       | 17           |
| 17/05/24 22:35 | 0           | 1                        | 1                        | 1                        | 13.3       | 74        | 5.5         | 180       | 17           |
| 17/05/24 22:40 | 0           | 1                        | 1                        | 1                        | 13.2       | 68        | 6.9         | 183       | 12           |
| 17/05/24 22:45 | 0           | 1                        | 1                        | 0                        | 13.5       | 68        | 6.0         | 182       | 12           |
| 17/05/24 22:50 | 0           | 1                        | 1                        | 0                        | 13.6       | 69        | 5.2         | 178       | 15           |
| 17/05/24 22:55 | 0           | 1                        | 1                        | 0                        | 13.5       | 68        | 6.5         | 184       | 11           |
| 17/05/24 23:00 | 0           | 1                        | 1                        | 0                        | 13.6       | 68        | 7.8         | 185       | 10           |
| 17/05/24 23:05 | 0           | 1                        | 1                        | 0                        | 13.5       | 70        | 5.4         | 184       | 12           |
| 17/05/24 23:10 | 0           | 1                        | 1                        | 0                        | 13.4       | 72        | 4.9         | 172       | 23           |
| 17/05/24 23:15 | 0           | 1                        | 1                        | 0                        | 13.4       | 72        | 4.6         | 171       | 19           |
| 17/05/24 23:20 | 0           | 1                        | 1                        | 0                        | 13.2       | 72        | 4.2         | 159       | 23           |
| 17/05/24 23:25 | 0           | 1                        | 1                        | 0                        | 13.2       | 74        | 4.1         | 178       | 19           |
| 17/05/24 23:30 | 0           | 1                        | 1                        | 0                        | 13.1       | 71        | 4.1         | 180       | 19           |
| 17/05/24 23:35 | 0           | 1                        | 1                        | 0                        | 13.2       | 68        | 5.2         | 182       | 15           |
| 17/05/24 23:40 | 0           | 1                        | 1                        | 1                        | 13.2       | 69        | 5.4         | 181       | 16           |
| 17/05/24 23:45 | 0           | 1                        | 1                        | 1                        | 13.0       | 69        | 4.9         | 185       | 12           |
| 17/05/24 23:50 | 0           | 1                        | 1                        |                          | 12.9       | 72        | 3.7         | 170       | 23           |
| 17/05/24 23:55 | 0           | 1                        | 1                        |                          | 12.9       | 72        | 3.3         | 172       | 27           |
| 18/05/24 00:00 | 0           | 1                        | 0                        | 1                        | 12.8       | 72        | 3.3         | 171       | 21           |
| 18/05/24 00:05 | 0           | 1                        | 0                        | 1                        | 12.7       | 73        | 3.5         | 165       | 28           |
| 18/05/24 00:10 | 0           | 1                        | 0                        | 1                        | 12.7       | 73        | 5.3         | 179       | 18           |
| 18/05/24 00:15 | 0           | 1                        | 1                        | 1                        | 12.4       | 72        | 8.0         | 185       | 11           |
| 18/05/24 00:20 | 0           | 1                        | 1                        | 1                        | 12.3       | 71        | 6.5         | 186       | 9            |
| 18/05/24 00:25 | 0           | 1                        | 1                        | 1                        | 12.3       | 71        | 5.7         | 187       | 10           |
| 18/05/24 00:30 | 0           | 1                        | 1                        | 2                        | 12.6       | 67        | 5.3         | 186       | 9            |
| 18/05/24 00:35 | 0           | 1                        | 1                        | 2                        | 12.8       | 68        | 5.1         | 183       | 12           |
| 18/05/24 00:40 | 0           | 1                        | 1                        | 2                        | 12.9       | 68        | 5.3         | 186       | 11           |
| 18/05/24 00:45 | 0           | 1                        | 1                        | 1                        | 13.1       | 65        | 5.8         | 182       | 13           |
| 18/05/24 00:50 | 0           | 1                        | 1                        | 2                        | 13.0       | 69        | 5.1         | 138       | 17           |
| 18/05/24 00:55 | 0           | 1                        | 1                        | 2                        | 12.8       | 70        | 4.0         | 124       | 18           |
| 18/05/24 01:00 | 0           | 1                        | 1                        | 2                        | 12.6       | 70        | 5.4         | 140       | 17           |
| 18/05/24 01:05 |             |                          |                          |                          | 12.6       | 67        | 4.9         | 147       | 18           |
| 18/05/24 01:10 |             |                          |                          |                          | 12.6       | 69        | 3.8         | 160       | 26           |
| 18/05/24 01:15 |             |                          |                          |                          | 12.5       | 68        | 3.6         | 169       | 26           |
| 18/05/24 01:20 |             |                          |                          |                          | 12.6       | 68        | 3.9         | 162       | 22           |
| 18/05/24 01:25 |             |                          |                          |                          | 12.5       | 66        | 3.7         | 159       | 23           |
| 18/05/24 01:30 |             |                          |                          |                          | 12.6       | 64        | 3.7         | 165       | 27           |
| 18/05/24 01:35 |             |                          |                          |                          | 12.5       | 66        | 3.3         | 170       | 25           |
| 18/05/24 01:40 |             |                          |                          |                          | 12.6       | 65        | 3.6         | 169       | 25           |
| 18/05/24 01:45 |             |                          |                          |                          | 12.7       | 63        | 4.5         | 171       | 20           |
| 18/05/24 01:50 |             |                          |                          |                          | 12.8       | 62        | 4.4         | 175       | 23           |
| 18/05/24 01:55 |             |                          |                          |                          | 12.8       | 59        | 4.3         | 174       | 23           |
| 18/05/24 02:00 |             |                          |                          |                          | 12.8       | 61        | 4.0         | 173       | 20           |
| 18/05/24 02:05 | 0           | 1                        | 1                        | 1                        | 12.8       | 58        | 5.1         | 148       | 21           |
| 18/05/24 02:10 | 0           | 1                        | 1                        | 1                        | 12.8       | 59        | 3.6         | 169       | 23           |
| 18/05/24 02:15 | 0           | 1                        | 1                        | 1                        | 12.9       | 59        | 3.4         | 164       | 31           |
| 18/05/24 02:20 | 0           | 1                        | 1                        | 1                        | 12.7       | 60        | 4.2         | 171       | 21           |
| 18/05/24 02:25 | 0           | 1                        | 1                        | 2                        | 12.7       | 63        | 4.2         | 170       | 18           |
| 18/05/24 02:30 | 0           | 1                        | 1                        | 1                        | 12.8       | 63        | 5.0         | 171       | 19           |
| 18/05/24 02:35 | 0           | 1                        | 1                        | 1                        | 12.7       | 61        | 3.9         | 175       | 21           |
| 18/05/24 02:40 | 0           | 1                        | 1                        | 2                        | 12.6       | 60        | 3.5         | 162       | 31           |
| 18/05/24 02:45 | 0           | 1                        | 1                        | 2                        | 12.7       | 62        | 3.5         | 173       | 23           |
| 18/05/24 02:50 | 0           | 1                        | 1                        | 1                        | 12.7       | 62        | 3.6         | 160       | 30           |
| 18/05/24 02:55 | 0           | 1                        | 1                        | 1                        | 12.7       | 61        | 4.1         | 168       | 26           |
| 18/05/24 03:00 | 0           | 1                        | 1                        | 2                        | 12.7       | 61        | 3.2         | 167       | 29           |
| 18/05/24 03:05 | 0           | 1                        | 1                        | 2                        | 12.7       | 60        | 4.2         | 169       | 22           |
| 18/05/24 03:10 | 0           | 1                        | 1                        | 1                        | 12.7       | 60        | 3.8         | 170       | 26           |
| 18/05/24 03:15 | 0           | 1                        | 1                        | 1                        | 12.7       | 60        | 4.4         | 165       | 25           |
| 18/05/24 03:20 | 0           | 1                        | 1                        | 1                        | 12.7       | 58        | 3.9         | 163       | 25           |
| 18/05/24 03:25 | 0           | 1                        | 1                        | 1                        | 12.7       | 57        | 4.0         | 181       | 16           |
| 18/05/24 03:30 | 0           | 1                        | 1                        | 1                        | 12.7       | 59        | 4.9         | 181       | 15           |
| 18/05/24 03:35 | 0           | 1                        | 1                        | 1                        | 12.7       | 56        | 4.7         | 179       | 15           |
| 18/05/24 03:40 | 0           | 1                        | 1                        | 2                        | 12.7       | 57        | 4.6         | 174       | 19           |
| 18/05/24 03:45 | 0           | 1                        | 1                        | 2                        | 12.5       | 56        | 4.2         | 170       | 21           |
| 18/05/24 03:50 | 0           | 1                        | 0                        | 1                        | 12.6       | 57        | 4.3         | 173       | 21           |
| 18/05/24 03:55 | 0           | 1                        | 0                        | 1                        | 12.5       | 58        | 4.3         | 178       | 19           |
| 18/05/24 04:00 | 0           | 1                        | 1                        | 1                        | 12.5       | 56        | 5.3         | 184       | 14           |
| 18/05/24 04:05 | 0           | 1                        | 1                        | 1                        | 12.5       | 58        | 4.2         | 168       | 23           |
| 18/05/24 04:10 | 0           | 1                        | 1                        | 1                        | 12.5       | 59        | 4.4         | 181       | 16           |
| 18/05/24 04:15 | 0           | 1                        | 1                        | 1                        | 12.4       | 59        | 4.4         | 181       | 17           |
| 18/05/24 04:20 | 0           | 1                        | 1                        | 2                        | 12.5       | 57        | 5.1         | 181       | 16           |
| 18/05/24 04:25 | 0           | 1                        | 1                        | 2                        | 12.4       | 56        | 4.6         | 175       | 17           |
| 18/05/24 04:30 | 0           | 1                        | 1                        | 2                        | 12.4       | 58        | 4.5         | 181       | 15           |
| 18/05/24 04:35 | 0           | 1                        | 1                        | 1                        | 12.3       | 55        | 3.8         | 167       | 26           |
| 18/05/24 04:40 | 0           | 1                        | 1                        | 1                        | 12.3       | 57        | 4.5         | 171       | 17           |
| 18/05/24 04:45 | 0           | 1                        | 1                        | 1                        | 12.4       | 57        | 4.5         | 176       | 23           |
| 18/05/24 04:50 | 0           | 1                        | 1                        | 1                        | 12.3       | 57        | 5.2         | 180       | 15           |
| 18/05/24 04:55 | 0           | 1                        | 1                        | 1                        | 12.3       | 58        | 3.5         | 172       | 25           |
| 18/05/24 05:00 | 0           | 1                        | 0                        | 1                        | 12.3       | 60        | 4.0         | 176       | 24           |
| 18/05/24 05:05 | 0           | 1                        | 0                        | 1                        | 12.3       | 59        | 3.9         | 175       | 20           |
| 18/05/24 05:10 | 0           | 1                        | 0                        | 1                        | 12.4       | 61        | 4.3         | 184       | 14           |
| 18/05/24 05:15 | 0           | 1                        | 1                        | 1                        | 12.3       | 58        | 4.3         | 172       | 22           |
| 18/05/24 05:20 | 0           | 1                        | 1                        | 1                        | 12.3       | 59        | 4.7         | 179       | 16           |
| 18/05/24 05:25 | 0           | 1                        | 1                        | 1                        | 12.3       | 57        | 3.3         | 160       | 29           |
| 18/05/24 05:30 | 0           | 1                        | 1                        | 1                        | 12.3       | 57        | 3.8         | 161       | 24           |
| 18/05/24 05:35 | 0           | 0                        | 1                        | 2                        | 12.3       | 57        | 4.2         | 173       | 22           |
| 18/05/24 05:40 | 0           | 0                        | 1                        | 2                        | 12.3       | 58        | 4.0         | 173       | 26           |
| 18/05/24 05:45 | 0           | 0                        | 1                        | 2                        | 12.3       | 57        | 5.3         | 146       | 13           |
| 18/05/24 05:50 | 0           | 1                        | 1                        | 2                        | 12.3       | 56        | 4.4         | 154       | 22           |
| 18/05/24 05:55 | 0           | 1                        | 1                        | 1                        | 12.3       | 57        | 2.9         | 160       | 29           |
| 18/05/24 06:00 | 0           | 1                        | 1                        | 1                        | 12.2       | 57        | 3.3         | 163       | 28           |
| 18/05/24 06:05 | 0           | 1                        | 0                        | 1                        | 12.2       | 57        | 3.8         | 177       | 21           |
| 18/05/24 06:10 | 0           | 1                        | 1                        | 1                        | 12.2       | 59        | 3.7         | 180       | 21           |
| 18/05/24 06:15 | 0           | 1                        | 1                        | 1                        | 12.2       | 60        | 3.7         | 179       | 17           |
| 18/05/24 06:20 | 0           | 1                        | 1                        | 1                        | 12.2       | 59        | 3.2         | 181       | 18           |
| 18/05/24 06:25 | 0           | 1                        | 1                        | 1                        | 12.1       | 57        | 3.3         | 160       | 24           |
| 18/05/24 06:30 | 0           | 1                        | 1                        | 1                        | 12.2       | 58        | 3.3         | 177       | 20           |
| 18/05/24 06:35 | 0           | 1                        | 0                        | 1                        | 12.2       | 57        | 3.1         | 162       | 27           |
| 18/05/24 06:40 | 0           | 1                        | 0                        | 1                        | 12.2       | 58        | 2.8         | 165       | 28           |
| 18/05/24 06:45 | 0           | 1                        | 1                        | 1                        | 12.2       | 58        | 3.5         | 150       | 22           |
| 18/05/24 06:50 | 0           | 1                        | 1                        | 1                        | 12.2       | 60        | 3.1         | 173       | 25           |
| 18/05/24 06:55 | 0           | 1                        | 1                        | 1                        | 12.2       | 60        | 3.3         | 157       | 25           |
| 18/05/24 07:00 | 0           | 1                        | 1                        | 1                        | 12.2       | 60        | 3.2         | 160       | 26           |
| 18/05/24 07:05 | 0           | 1                        | 1                        | 1                        | 12.2       | 58        | 2.7         | 167       | 27           |
| 18/05/24 07:10 | 0           | 1                        | 1                        | 2                        | 12.2       | 58        | 3.4         | 174       | 23           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 18/05/24 07:15 | 0           | 1                        | 1                        | 2                        | 12.3       | 59        | 3.3         | 159       | 26           |
| 18/05/24 07:20 | 0           | 1                        | 1                        | 2                        | 12.2       | 59        | 3.9         | 148       | 23           |
| 18/05/24 07:25 | 0           | 1                        | 1                        | 1                        | 12.3       | 62        | 3.2         | 125       | 18           |
| 18/05/24 07:30 | 0           | 1                        | 1                        | 1                        | 12.1       | 62        | 3.3         | 121       | 14           |
| 18/05/24 07:35 | 0           | 1                        | 1                        | 1                        | 11.8       | 63        | 2.5         | 119       | 14           |
| 18/05/24 07:40 | 0           | 1                        | 1                        | 1                        | 11.8       | 65        | 2.7         | 117       | 13           |
| 18/05/24 07:45 | 0           | 2                        | 2                        | 1                        | 11.6       | 65        | 3.1         | 109       | 11           |
| 18/05/24 07:50 | 0           | 4                        | 4                        | 1                        | 11.3       | 63        | 3.6         | 103       | 7            |
| 18/05/24 07:55 | 0           | 6                        | 7                        | 1                        | 11.1       | 65        | 3.0         | 110       | 9            |
| 18/05/24 08:00 | 0           | 8                        | 8                        | 1                        | 11.4       | 67        | 2.8         | 114       | 11           |
| 18/05/24 08:05 | 0           | 7                        | 7                        | 1                        | 11.6       | 65        | 2.5         | 113       | 15           |
| 18/05/24 08:10 | 0           | 6                        | 7                        | 1                        | 11.7       | 64        | 2.6         | 126       | 15           |
| 18/05/24 08:15 | 0           | 6                        | 7                        | 1                        | 11.8       | 64        | 2.9         | 127       | 12           |
| 18/05/24 08:20 | 0           | 6                        | 6                        | 1                        | 12.0       | 63        | 3.1         | 125       | 14           |
| 18/05/24 08:25 | 0           | 5                        | 6                        | 1                        | 12.2       | 63        | 2.7         | 121       | 18           |
| 18/05/24 08:30 | 0           | 5                        | 6                        | 1                        | 12.3       | 61        | 3.0         | 124       | 17           |
| 18/05/24 08:35 | 1           | 5                        | 6                        | 1                        | 12.3       | 59        | 2.9         | 122       | 17           |
| 18/05/24 08:40 | 1           | 5                        | 6                        | 1                        | 12.3       | 59        | 3.5         | 121       | 13           |
| 18/05/24 08:45 | 1           | 5                        | 6                        | 1                        | 12.3       | 59        | 3.8         | 113       | 9            |
| 18/05/24 08:50 | 1           | 5                        | 6                        | 1                        | 12.3       | 60        | 3.3         | 110       | 9            |
| 18/05/24 08:55 | 1           | 5                        | 6                        | 1                        | 12.3       | 58        | 4.1         | 113       | 8            |
| 18/05/24 09:00 | 1           | 5                        | 7                        | 1                        | 12.3       | 58        | 3.3         | 115       | 11           |
| 18/05/24 09:05 | 1           | 5                        | 7                        | 1                        | 12.3       | 57        | 3.9         | 108       | 10           |
| 18/05/24 09:10 | 2           | 5                        | 7                        | 1                        | 12.2       | 56        | 4.2         | 106       | 8            |
| 18/05/24 09:15 | 1           | 6                        | 7                        | 1                        | 12.3       | 58        | 3.5         | 109       | 7            |
| 18/05/24 09:20 | 2           | 6                        | 7                        | 1                        | 12.4       | 55        | 4.1         | 106       | 9            |
| 18/05/24 09:25 | 2           | 6                        | 8                        | 1                        | 12.3       | 56        | 4.0         | 108       | 7            |
| 18/05/24 09:30 | 2           | 6                        | 9                        | 1                        | 12.4       | 55        | 4.2         | 113       | 6            |
| 18/05/24 09:35 | 2           | 7                        | 9                        | 1                        | 12.5       | 56        | 3.4         | 112       | 8            |
| 18/05/24 09:40 | 3           | 7                        | 10                       | 1                        | 12.7       | 55        | 3.6         | 110       | 9            |
| 18/05/24 09:45 | 3           | 7                        | 10                       | 1                        | 12.8       | 55        | 2.8         | 113       | 12           |
| 18/05/24 09:50 | 3           | 7                        | 10                       | 1                        | 13.0       | 53        | 3.6         | 111       | 10           |
| 18/05/24 09:55 | 3           | 7                        | 10                       | 1                        | 13.1       | 51        | 2.6         | 123       | 16           |
| 18/05/24 10:00 | 3           | 7                        | 10                       | 2                        | 13.2       | 51        | 2.7         | 126       | 17           |
| 18/05/24 10:05 | 3           | 7                        | 10                       | 2                        | 13.4       | 52        | 2.5         | 119       | 18           |
| 18/05/24 10:10 | 3           | 7                        | 9                        | 2                        | 13.5       | 52        | 2.8         | 115       | 15           |
| 18/05/24 10:15 | 3           | 6                        | 9                        | 2                        | 13.5       | 51        | 3.1         | 123       | 15           |
| 18/05/24 10:20 | 2           | 6                        | 9                        | 2                        | 13.3       | 50        | 2.4         | 126       | 18           |
| 18/05/24 10:25 | 2           | 6                        | 8                        | 2                        | 13.5       | 51        | 2.5         | 133       | 21           |
| 18/05/24 10:30 | 2           | 6                        | 8                        | 1                        | 13.5       | 51        | 2.8         | 130       | 17           |
| 18/05/24 10:35 | 2           | 5                        | 7                        | 1                        | 13.6       | 51        | 2.5         | 136       | 19           |
| 18/05/24 10:40 | 2           | 5                        | 6                        | 1                        | 13.6       | 50        | 3.1         | 135       | 17           |
| 18/05/24 10:45 | 1           | 4                        | 5                        | 1                        | 13.5       | 49        | 3.4         | 131       | 17           |
| 18/05/24 10:50 | 1           | 4                        | 5                        | 1                        | 13.4       | 50        | 2.9         | 136       | 17           |
| 18/05/24 10:55 | 1           | 3                        | 4                        | 1                        | 13.6       | 50        | 2.8         | 127       | 19           |
| 18/05/24 11:00 | 1           | 3                        | 4                        | 1                        | 13.7       | 51        | 2.7         | 133       | 16           |
| 18/05/24 11:05 | 1           | 3                        | 4                        | 1                        | 13.8       | 49        | 2.6         | 132       | 16           |
| 18/05/24 11:10 | 1           | 3                        | 4                        | 1                        | 13.9       | 50        | 2.8         | 125       | 17           |
| 18/05/24 11:15 | 1           | 3                        | 4                        | 1                        | 13.9       | 49        | 3.2         | 131       | 19           |
| 18/05/24 11:20 | 1           | 3                        | 3                        | 1                        | 13.8       | 48        | 3.0         | 138       | 16           |
| 18/05/24 11:25 | 1           | 3                        | 3                        | 1                        | 13.9       | 51        | 2.6         | 130       | 20           |
| 18/05/24 11:30 | 1           | 2                        | 3                        | 1                        | 14.1       | 50        | 1.9         | 130       | 27           |
| 18/05/24 11:35 | 1           | 2                        | 3                        | 1                        | 14.2       | 47        | 2.1         | 142       | 23           |
| 18/05/24 11:40 | 1           | 2                        | 3                        | 1                        | 14.3       | 47        | 2.0         | 133       | 26           |
| 18/05/24 11:45 | 1           | 2                        | 3                        | 1                        | 14.2       | 48        | 2.2         | 123       | 18           |
| 18/05/24 11:50 | 1           | 2                        | 3                        | 1                        | 14.4       | 49        | 2.8         | 147       | 27           |
| 18/05/24 11:55 | 1           | 2                        | 3                        | 1                        | 14.3       | 48        | 2.0         | 159       | 28           |
| 18/05/24 12:00 | 1           | 2                        | 2                        | 2                        | 14.4       | 49        | 2.3         | 143       | 25           |
| 18/05/24 12:05 | 1           | 2                        | 2                        | 2                        | 14.4       | 48        | 2.4         | 158       | 28           |
| 18/05/24 12:10 | 1           | 2                        | 2                        | 2                        | 14.2       | 49        | 2.1         | 165       | 27           |
| 18/05/24 12:15 | 1           | 2                        | 2                        | 2                        | 14.1       | 50        | 2.5         | 172       | 21           |
| 18/05/24 12:20 | 0           | 1                        | 2                        | 2                        | 14.3       | 49        | 2.3         | 173       | 20           |
| 18/05/24 12:25 | 0           | 1                        | 2                        | 1                        | 14.1       | 50        | 2.6         | 182       | 17           |
| 18/05/24 12:30 | 0           | 1                        | 2                        | 1                        | 14.1       | 49        | 2.7         | 185       | 18           |
| 18/05/24 12:35 | 0           | 1                        | 2                        | 1                        | 14.1       | 51        | 2.4         | 186       | 17           |
| 18/05/24 12:40 | 0           | 1                        | 2                        | 1                        | 13.9       | 49        | 2.9         | 189       | 13           |
| 18/05/24 12:45 | 0           | 1                        | 2                        | 1                        | 14.1       | 51        | 2.5         | 184       | 16           |
| 18/05/24 12:50 | 0           | 1                        | 2                        | 1                        | 14.2       | 50        | 2.6         | 190       | 14           |
| 18/05/24 12:55 | 0           | 1                        | 2                        | 1                        | 14.4       | 50        | 2.5         | 184       | 15           |
| 18/05/24 13:00 | 0           | 1                        | 2                        | 1                        | 14.3       | 50        | 3.1         | 195       | 13           |
| 18/05/24 13:05 | 0           | 1                        | 1                        | 2                        | 14.1       | 51        | 3.7         | 192       | 11           |
| 18/05/24 13:10 | 0           | 1                        | 1                        | 2                        | 14.1       | 50        | 3.3         | 190       | 12           |
| 18/05/24 13:15 | 0           | 1                        | 1                        | 1                        | 14.2       | 48        | 3.9         | 188       | 10           |
| 18/05/24 13:20 | 0           | 1                        | 1                        | 1                        | 14.1       | 48        | 3.6         | 194       | 11           |
| 18/05/24 13:25 | 0           | 1                        | 1                        | 1                        | 14.2       | 48        | 3.8         | 192       | 10           |
| 18/05/24 13:30 | 0           | 1                        | 1                        | 1                        | 14.1       | 50        | 3.8         | 194       | 10           |
| 18/05/24 13:35 | 0           | 1                        | 1                        | 1                        | 14.2       | 51        | 3.2         | 193       | 11           |
| 18/05/24 13:40 | 0           | 1                        | 1                        | 1                        | 14.4       | 49        | 3.0         | 185       | 14           |
| 18/05/24 13:45 | 0           | 1                        | 1                        | 1                        | 14.4       | 49        | 2.8         | 187       | 13           |
| 18/05/24 13:50 | 0           | 1                        | 1                        | 1                        | 14.8       | 48        | 2.5         | 173       | 19           |
| 18/05/24 13:55 | 0           | 1                        | 1                        | 1                        | 14.8       | 47        | 3.3         | 185       | 13           |
| 18/05/24 14:00 | 0           | 1                        | 1                        | 1                        | 14.6       | 47        | 2.6         | 183       | 17           |
| 18/05/24 14:05 | 0           | 1                        | 1                        | 1                        | 14.6       | 49        | 2.9         | 190       | 15           |
| 18/05/24 14:10 | 0           | 1                        | 1                        | 1                        | 14.6       | 47        | 2.9         | 187       | 15           |
| 18/05/24 14:15 | 0           | 1                        | 1                        | 1                        | 14.5       | 47        | 2.9         | 190       | 16           |
| 18/05/24 14:20 | 0           | 1                        | 1                        | 1                        | 14.6       | 48        | 2.5         | 185       | 15           |
| 18/05/24 14:25 | 0           | 1                        | 1                        | 1                        | 14.8       | 47        | 2.7         | 189       | 16           |
| 18/05/24 14:30 | 0           | 1                        | 1                        | 1                        | 14.6       | 47        | 2.6         | 191       | 12           |
| 18/05/24 14:35 | 0           | 1                        | 1                        | 1                        | 14.7       | 48        | 2.8         | 196       | 11           |
| 18/05/24 14:40 | 0           | 1                        | 1                        | 1                        | 14.7       | 47        | 2.6         | 188       | 14           |
| 18/05/24 14:45 | 0           | 1                        | 1                        | 1                        | 14.7       | 48        | 2.6         | 192       | 12           |
| 18/05/24 14:50 | 0           | 1                        | 1                        | 1                        | 14.7       | 49        | 2.8         | 198       | 12           |
| 18/05/24 14:55 | 0           | 1                        | 1                        | 1                        | 14.4       | 51        | 3.2         | 198       | 8            |
| 18/05/24 15:00 | 0           | 1                        | 1                        | 1                        | 14.5       | 51        | 3.3         | 199       | 8            |
| 18/05/24 15:05 | 0           | 1                        | 1                        | 1                        | 14.2       | 49        | 3.5         | 204       | 8            |
| 18/05/24 15:10 | 0           | 1                        | 1                        | 1                        | 14.1       | 52        | 4.1         | 200       | 5            |
| 18/05/24 15:15 | 0           | 1                        | 1                        | 2                        | 14.0       | 54        | 4.7         | 206       | 5            |
| 18/05/24 15:20 | 0           | 1                        | 1                        | 2                        | 13.9       | 53        | 4.5         | 201       | 7            |
| 18/05/24 15:25 | 0           | 1                        | 1                        | 1                        | 14.1       | 53        | 4.3         | 204       | 7            |
| 18/05/24 15:30 | 0           | 1                        | 1                        | 2                        | 13.9       | 52        | 4.4         | 202       | 6            |
| 18/05/24 15:35 | 0           | 1                        | 1                        | 2                        | 13.7       | 52        | 4.2         | 211       | 6            |
| 18/05/24 15:40 | 0           | 1                        | 1                        | 1                        | 13.7       | 53        | 4.5         | 204       | 8            |
| 18/05/24 15:45 | 0           | 1                        | 1                        | 1                        | 13.9       | 52        | 4.3         | 203       | 8            |
| 18/05/24 15:50 | 0           | 1                        | 1                        | 1                        | 13.8       | 53        | 4.2         | 203       | 6            |
| 18/05/24 15:55 | 0           | 1                        | 1                        | 1                        | 13.9       | 56        | 4.4         | 211       | 8            |
| 18/05/24 16:00 | 0           | 1                        | 1                        | 1                        | 13.8       | 56        | 4.2         | 210       | 9            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 18/05/24 16:05 | 0           | 1                        | 1                        | 1                        | 13.7       | 56        | 4.1         | 211       | 5            |
| 18/05/24 16:10 | 0           | 1                        | 1                        | 1                        | 13.7       | 57        | 4.0         | 213       | 6            |
| 18/05/24 16:15 | 0           | 1                        | 1                        | 1                        | 13.6       | 55        | 3.5         | 213       | 7            |
| 18/05/24 16:20 | 0           | 1                        | 1                        | 1                        | 13.6       | 55        | 3.5         | 207       | 5            |
| 18/05/24 16:25 | 0           | 1                        | 1                        | 1                        | 13.7       | 52        | 3.4         | 207       | 4            |
| 18/05/24 16:30 | 0           | 1                        | 1                        | 1                        | 13.7       | 57        | 3.1         | 212       | 8            |
| 18/05/24 16:35 | 0           | 1                        | 1                        | 1                        | 13.7       | 55        | 4.3         | 204       | 6            |
| 18/05/24 16:40 | 0           | 1                        | 1                        | 1                        | 13.6       | 52        | 3.7         | 204       | 5            |
| 18/05/24 16:45 | 0           | 1                        | 1                        | 1                        | 13.7       | 55        | 4.4         | 203       | 6            |
| 18/05/24 16:50 | 0           | 1                        | 1                        | 1                        | 13.6       | 53        | 3.8         | 203       | 6            |
| 18/05/24 16:55 | 0           | 1                        | 1                        | 2                        | 13.5       | 57        | 4.0         | 215       | 5            |
| 18/05/24 17:00 | 0           | 1                        | 1                        | 2                        | 13.4       | 56        | 3.4         | 217       | 3            |
| 18/05/24 17:05 | 0           | 1                        | 1                        | 1                        | 13.4       | 57        | 4.0         | 212       | 10           |
| 18/05/24 17:10 | 0           | 1                        | 1                        | 1                        | 13.3       | 54        | 3.8         | 203       | 4            |
| 18/05/24 17:15 | 0           | 1                        | 1                        | 1                        | 13.3       | 55        | 3.7         | 213       | 5            |
| 18/05/24 17:20 | 0           | 1                        | 1                        | 1                        | 13.2       | 57        | 4.0         | 207       | 7            |
| 18/05/24 17:25 | 0           | 2                        | 2                        | 1                        | 13.3       | 57        | 3.7         | 212       | 6            |
| 18/05/24 17:30 | 1           | 1                        | 2                        | 2                        | 13.3       | 57        | 3.2         | 208       | 6            |
| 18/05/24 17:35 | 0           | 1                        | 2                        | 2                        | 13.3       | 58        | 4.0         | 210       | 6            |
| 18/05/24 17:40 | 0           | 2                        | 2                        | 2                        | 13.3       | 59        | 3.9         | 211       | 6            |
| 18/05/24 17:45 | 1           | 3                        | 4                        | 1                        | 13.3       | 57        | 3.8         | 210       | 8            |
| 18/05/24 17:50 | 1           | 2                        | 2                        | 1                        | 13.1       | 54        | 3.0         | 198       | 11           |
| 18/05/24 17:55 | 1           | 3                        | 3                        | 2                        | 13.0       | 57        | 3.4         | 219       | 5            |
| 18/05/24 18:00 | 0           | 1                        | 1                        | 2                        | 13.1       | 59        | 3.2         | 211       | 9            |
| 18/05/24 18:05 | 0           | 1                        | 2                        | 2                        | 13.0       | 56        | 2.7         | 204       | 14           |
| 18/05/24 18:10 | 1           | 3                        | 4                        | 1                        | 13.0       | 55        | 2.3         | 200       | 9            |
| 18/05/24 18:15 | 0           | 1                        | 1                        | 1                        | 12.9       | 55        | 2.1         | 197       | 9            |
| 18/05/24 18:20 | 0           | 1                        | 1                        | 1                        | 12.9       | 56        | 2.8         | 202       | 9            |
| 18/05/24 18:25 | 0           | 1                        | 1                        | 1                        | 13.0       | 57        | 3.5         | 209       | 6            |
| 18/05/24 18:30 | 0           | 1                        | 1                        | 1                        | 13.0       | 57        | 3.0         | 216       | 4            |
| 18/05/24 18:35 | 0           | 1                        | 1                        | 1                        | 13.1       | 57        | 2.3         | 203       | 9            |
| 18/05/24 18:40 | 0           | 1                        | 1                        | 1                        | 13.0       | 57        | 3.3         | 206       | 8            |
| 18/05/24 18:45 | 0           | 2                        | 1                        | 2                        | 13.1       | 59        | 3.5         | 205       | 9            |
| 18/05/24 18:50 | 0           | 2                        | 2                        | 2                        | 13.0       | 55        | 2.0         | 198       | 11           |
| 18/05/24 18:55 | 0           | 2                        | 1                        | 1                        | 12.8       | 56        | 2.0         | 196       | 15           |
| 18/05/24 19:00 | 0           | 2                        | 2                        | 1                        | 12.9       | 58        | 3.0         | 203       | 5            |
| 18/05/24 19:05 | 0           | 2                        | 2                        | 1                        | 12.9       | 55        | 2.5         | 194       | 8            |
| 18/05/24 19:10 | 0           | 2                        | 2                        | 1                        | 12.7       | 54        | 2.1         | 188       | 11           |
| 18/05/24 19:15 | 0           | 2                        | 2                        | 1                        | 12.7       | 57        | 1.6         | 184       | 21           |
| 18/05/24 19:20 | 0           | 1                        | 1                        | 1                        | 12.6       | 54        | 1.8         | 198       | 10           |
| 18/05/24 19:25 | 0           | 1                        | 1                        | 2                        | 12.6       | 55        | 1.9         | 199       | 14           |
| 18/05/24 19:30 | 0           | 1                        | 1                        | 1                        | 12.8       | 56        | 1.6         | 200       | 13           |
| 18/05/24 19:35 | 0           | 1                        | 1                        | 1                        | 12.7       | 57        | 1.9         | 187       | 16           |
| 18/05/24 19:40 | 0           | 1                        | 1                        | 1                        | 12.6       | 54        | 1.7         | 188       | 11           |
| 18/05/24 19:45 | 0           | 1                        | 1                        | 2                        | 12.7       | 54        | 1.7         | 187       | 15           |
| 18/05/24 19:50 | 0           | 1                        | 1                        | 1                        | 12.6       | 54        | 2.1         | 193       | 10           |
| 18/05/24 19:55 | 0           | 1                        | 1                        | 1                        | 12.5       | 54        | 1.7         | 189       | 15           |
| 18/05/24 20:00 | 0           | 1                        | 1                        | 1                        | 12.6       | 54        | 1.6         | 188       | 15           |
| 18/05/24 20:05 | 0           | 1                        | 1                        | 1                        | 12.5       | 53        | 1.9         | 189       | 8            |
| 18/05/24 20:10 | 0           | 1                        | 1                        | 1                        | 12.6       | 55        | 1.6         | 202       | 11           |
| 18/05/24 20:15 | 0           | 1                        | 1                        | 1                        | 12.4       | 55        | 2.3         | 193       | 8            |
| 18/05/24 20:20 | 0           | 1                        | 1                        | 1                        | 12.6       | 59        | 3.1         | 208       | 8            |
| 18/05/24 20:25 | 0           | 2                        | 2                        | 1                        | 12.8       | 56        | 2.3         | 211       | 10           |
| 18/05/24 20:30 | 0           | 4                        | 4                        | 2                        | 12.9       | 60        | 2.7         | 223       | 10           |
| 18/05/24 20:35 | 1           | 7                        | 9                        | 2                        | 12.9       | 60        | 2.6         | 219       | 17           |
| 18/05/24 20:40 | 2           | 23                       | 25                       | 2                        | 12.8       | 63        | 2.2         | 225       | 18           |
| 18/05/24 20:45 | 12          | 26                       | 38                       | 2                        | 12.5       | 65        | 1.1         | 258       | 32           |
| 18/05/24 20:50 | 12          | 27                       | 39                       | 2                        | 12.2       | 65        | 1.6         | 273       | 22           |
| 18/05/24 20:55 | 13          | 29                       | 42                       | 2                        | 11.9       | 65        | 1.7         | 291       | 11           |
| 18/05/24 21:00 | 14          | 29                       | 43                       | 2                        | 11.7       | 66        | 1.5         | 280       | 17           |
| 18/05/24 21:05 | 14          | 29                       | 43                       | 2                        | 11.6       | 67        | 1.8         | 278       | 13           |
| 18/05/24 21:10 | 13          | 29                       | 41                       | 2                        | 11.3       | 68        | 2.4         | 278       | 9            |
| 18/05/24 21:15 | 8           | 28                       | 36                       | 2                        | 11.2       | 70        | 2.1         | 283       | 11           |
| 18/05/24 21:20 | 6           | 27                       | 33                       | 2                        | 11.0       | 70        | 1.7         | 284       | 15           |
| 18/05/24 21:25 | 7           | 27                       | 34                       | 2                        | 11.0       | 71        | 2.0         | 283       | 12           |
| 18/05/24 21:30 | 8           | 28                       | 35                       | 2                        | 10.8       | 71        | 1.8         | 287       | 13           |
| 18/05/24 21:35 | 8           | 28                       | 36                       | 2                        | 10.9       | 71        | 1.8         | 285       | 12           |
| 18/05/24 21:40 | 9           | 28                       | 37                       | 2                        | 10.8       | 70        | 1.8         | 289       | 13           |
| 18/05/24 21:45 | 9           | 28                       | 37                       | 2                        | 10.7       | 70        | 1.9         | 291       | 13           |
| 18/05/24 21:50 | 8           | 28                       | 36                       | 2                        | 10.7       | 69        | 2.0         | 293       | 14           |
| 18/05/24 21:55 | 9           | 28                       | 37                       | 2                        | 10.4       | 69        | 2.1         | 298       | 12           |
| 18/05/24 22:00 | 14          | 25                       | 39                       | 2                        | 10.1       | 69        | 2.2         | 305       | 11           |
| 18/05/24 22:05 | 26          | 24                       | 50                       | 2                        | 9.8        | 71        | 1.9         | 301       | 12           |
| 18/05/24 22:10 | 27          | 28                       | 54                       | 2                        | 9.6        | 71        | 2.2         | 310       | 13           |
| 18/05/24 22:15 | 22          | 29                       | 51                       | 2                        | 9.4        | 71        | 1.6         | 317       | 20           |
| 18/05/24 22:20 | 17          | 27                       | 44                       | 2                        | 9.3        | 72        | 1.6         | 311       | 23           |
| 18/05/24 22:25 | 17          | 26                       | 43                       | 2                        | 9.2        | 72        | 1.9         | 304       | 12           |
| 18/05/24 22:30 | 16          | 26                       | 42                       | 2                        | 9.2        | 72        | 1.9         | 294       | 13           |
| 18/05/24 22:35 | 15          | 26                       | 40                       | 2                        | 9.3        | 73        | 2.3         | 295       | 14           |
| 18/05/24 22:40 | 13          | 26                       | 39                       | 2                        | 9.3        | 71        | 2.4         | 309       | 12           |
| 18/05/24 22:45 | 13          | 26                       | 39                       | 2                        | 9.1        | 72        | 2.3         | 301       | 12           |
| 18/05/24 22:50 | 12          | 26                       | 38                       | 2                        | 9.1        | 72        | 2.3         | 294       | 14           |
| 18/05/24 22:55 | 20          | 28                       | 48                       | 2                        | 9.3        | 72        | 2.4         | 294       | 10           |
| 18/05/24 23:00 | 15          | 25                       | 40                       | 2                        | 9.2        | 72        | 2.3         | 297       | 13           |
| 18/05/24 23:05 | 14          | 25                       | 39                       | 2                        | 9.2        | 71        | 2.2         | 305       | 11           |
| 18/05/24 23:10 | 14          | 25                       | 39                       | 2                        | 9.1        | 70        | 2.5         | 307       | 12           |
| 18/05/24 23:15 | 14          | 25                       | 39                       | 2                        | 9.1        | 71        | 1.6         | 324       | 18           |
| 18/05/24 23:20 | 14          | 24                       | 38                       | 2                        | 9.0        | 71        | 2.1         | 320       | 17           |
| 18/05/24 23:25 | 14          | 24                       | 37                       | 2                        | 8.9        | 71        | 1.8         | 322       | 27           |
| 18/05/24 23:30 | 13          | 23                       | 37                       | 2                        | 8.8        | 72        | 1.9         | 313       | 15           |
| 18/05/24 23:35 | 13          | 23                       | 36                       | 2                        | 8.7        | 73        | 2.2         | 310       | 15           |
| 18/05/24 23:40 | 12          | 23                       | 35                       | 2                        | 8.6        | 73        | 2.1         | 314       | 12           |
| 18/05/24 23:45 | 11          | 23                       | 34                       | 2                        | 8.6        | 73        | 2.2         | 313       | 16           |
| 18/05/24 23:50 | 10          | 22                       | 32                       |                          | 8.7        | 72        | 2.4         | 306       | 12           |
| 18/05/24 23:55 | 8           | 22                       | 30                       |                          | 8.7        | 73        | 2.4         | 311       | 11           |
| 19/05/24 00:00 | 7           | 23                       | 30                       | 2                        | 8.5        | 73        | 2.6         | 315       | 10           |
| 19/05/24 00:05 | 7           | 22                       | 29                       | 2                        | 8.4        | 73        | 2.1         | 316       | 13           |
| 19/05/24 00:10 | 7           | 22                       | 29                       | 2                        | 8.4        | 73        | 2.6         | 310       | 10           |
| 19/05/24 00:15 | 7           | 22                       | 29                       | 2                        | 8.5        | 72        | 2.7         | 308       | 9            |
| 19/05/24 00:20 | 7           | 22                       | 29                       | 2                        | 8.5        | 73        | 2.6         | 311       | 10           |
| 19/05/24 00:25 | 6           | 22                       | 28                       | 1                        | 8.3        | 73        | 2.3         | 316       | 12           |
| 19/05/24 00:30 | 6           | 22                       | 28                       | 2                        | 8.4        | 73        | 1.8         | 313       | 19           |
| 19/05/24 00:35 | 6           | 21                       | 27                       | 1                        | 8.4        | 73        | 3.0         | 314       | 7            |
| 19/05/24 00:40 | 5           | 21                       | 26                       | 1                        | 8.2        | 74        | 2.8         | 313       | 8            |
| 19/05/24 00:45 | 5           | 21                       | 25                       | 1                        | 8.2        | 73        | 3.1         | 313       | 7            |
| 19/05/24 00:50 | 4           | 20                       | 25                       | 1                        | 8.2        | 74        | 2.8         | 313       | 9            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 19/05/24 00:55 | 4           | 20                       | 24                       | 1                        | 8.2        | 74        | 2.4         | 305       | 9            |
| 19/05/24 01:00 | 4           | 20                       | 24                       | 1                        | 8.3        | 74        | 2.2         | 303       | 11           |
| 19/05/24 01:05 |             |                          |                          |                          | 8.4        | 74        | 2.5         | 304       | 9            |
| 19/05/24 01:10 |             |                          |                          |                          | 8.4        | 74        | 2.4         | 306       | 14           |
| 19/05/24 01:15 |             |                          |                          |                          | 8.5        | 72        | 2.9         | 312       | 11           |
| 19/05/24 01:20 |             |                          |                          |                          | 8.6        | 72        | 2.8         | 313       | 11           |
| 19/05/24 01:25 |             |                          |                          |                          | 8.6        | 73        | 2.6         | 311       | 10           |
| 19/05/24 01:30 |             |                          |                          |                          | 8.5        | 73        | 2.9         | 313       | 9            |
| 19/05/24 01:35 |             |                          |                          |                          | 8.5        | 73        | 2.4         | 317       | 15           |
| 19/05/24 01:40 |             |                          |                          |                          | 8.6        | 73        | 2.6         | 320       | 13           |
| 19/05/24 01:45 |             |                          |                          |                          | 8.6        | 73        | 2.8         | 311       | 12           |
| 19/05/24 01:50 |             |                          |                          |                          | 8.7        | 73        | 3.0         | 313       | 9            |
| 19/05/24 01:55 |             |                          |                          |                          | 8.8        | 72        | 3.1         | 317       | 11           |
| 19/05/24 02:00 |             |                          |                          |                          | 8.8        | 72        | 3.1         | 318       | 13           |
| 19/05/24 02:05 | 2           | 12                       | 15                       | 1                        | 8.9        | 73        | 2.9         | 315       | 11           |
| 19/05/24 02:10 | 2           | 10                       | 12                       | 1                        | 8.9        | 72        | 3.3         | 319       | 10           |
| 19/05/24 02:15 | 1           | 10                       | 11                       | 1                        | 9.1        | 72        | 3.1         | 313       | 15           |
| 19/05/24 02:20 | 1           | 10                       | 11                       | 1                        | 9.2        | 72        | 3.6         | 306       | 12           |
| 19/05/24 02:25 | 1           | 10                       | 11                       | 1                        | 9.3        | 72        | 3.4         | 315       | 11           |
| 19/05/24 02:30 | 1           | 10                       | 11                       | 1                        | 9.3        | 72        | 3.0         | 308       | 12           |
| 19/05/24 02:35 | 1           | 10                       | 11                       | 1                        | 9.5        | 73        | 2.5         | 293       | 16           |
| 19/05/24 02:40 | 0           | 9                        | 9                        | 1                        | 9.6        | 72        | 3.1         | 289       | 14           |
| 19/05/24 02:45 | 0           | 8                        | 9                        | 1                        | 9.8        | 71        | 3.2         | 299       | 10           |
| 19/05/24 02:50 | 0           | 8                        | 8                        | 1                        | 9.7        | 70        | 2.9         | 300       | 13           |
| 19/05/24 02:55 | 0           | 7                        | 7                        | 1                        | 9.7        | 70        | 2.7         | 302       | 16           |
| 19/05/24 03:00 | 0           | 6                        | 6                        | 1                        | 9.8        | 70        | 2.8         | 309       | 10           |
| 19/05/24 03:05 | 0           | 6                        | 6                        | 2                        | 9.8        | 70        | 2.2         | 299       | 16           |
| 19/05/24 03:10 | 0           | 6                        | 6                        | 1                        | 9.9        | 70        | 2.6         | 300       | 12           |
| 19/05/24 03:15 | 0           | 7                        | 7                        | 1                        | 9.9        | 70        | 3.3         | 298       | 13           |
| 19/05/24 03:20 | 0           | 7                        | 8                        | 1                        | 10.1       | 70        | 3.6         | 297       | 11           |
| 19/05/24 03:25 | 0           | 7                        | 8                        | 1                        | 10.1       | 69        | 3.8         | 299       | 13           |
| 19/05/24 03:30 | 0           | 7                        | 7                        | 1                        | 10.2       | 70        | 3.5         | 293       | 12           |
| 19/05/24 03:35 | 0           | 7                        | 7                        | 1                        | 10.2       | 70        | 3.7         | 299       | 9            |
| 19/05/24 03:40 | 0           | 6                        | 6                        | 1                        | 10.2       | 71        | 3.3         | 291       | 13           |
| 19/05/24 03:45 | 0           | 6                        | 6                        | 1                        | 10.3       | 71        | 4.1         | 291       | 10           |
| 19/05/24 03:50 | 0           | 7                        | 7                        | 1                        | 10.3       | 71        | 3.7         | 291       | 11           |
| 19/05/24 03:55 | 1           | 8                        | 9                        | 1                        | 10.3       | 71        | 3.5         | 292       | 12           |
| 19/05/24 04:00 | 1           | 8                        | 8                        | 1                        | 10.3       | 71        | 3.5         | 292       | 12           |
| 19/05/24 04:05 | 0           | 8                        | 8                        | 1                        | 10.3       | 71        | 3.2         | 295       | 11           |
| 19/05/24 04:10 | 0           | 7                        | 8                        | 1                        | 10.3       | 71        | 3.4         | 297       | 10           |
| 19/05/24 04:15 | 0           | 7                        | 8                        | 1                        | 10.3       | 71        | 3.3         | 298       | 11           |
| 19/05/24 04:20 | 0           | 7                        | 7                        | 1                        | 10.2       | 71        | 2.6         | 298       | 11           |
| 19/05/24 04:25 | 0           | 6                        | 7                        | 1                        | 10.2       | 71        | 2.6         | 316       | 10           |
| 19/05/24 04:30 | 0           | 6                        | 6                        | 1                        | 10.2       | 71        | 2.7         | 308       | 13           |
| 19/05/24 04:35 | 0           | 5                        | 6                        | 1                        | 10.2       | 72        | 2.6         | 305       | 12           |
| 19/05/24 04:40 | 0           | 6                        | 6                        | 1                        | 10.3       | 72        | 2.7         | 304       | 10           |
| 19/05/24 04:45 | 0           | 7                        | 7                        | 1                        | 10.4       | 72        | 2.6         | 298       | 12           |
| 19/05/24 04:50 | 0           | 7                        | 7                        | 1                        | 10.5       | 72        | 2.3         | 297       | 13           |
| 19/05/24 04:55 | 0           | 6                        | 7                        | 1                        | 10.5       | 72        | 2.2         | 299       | 12           |
| 19/05/24 05:00 | 0           | 6                        | 6                        | 1                        | 10.5       | 72        | 2.9         | 312       | 13           |
| 19/05/24 05:05 | 0           | 6                        | 6                        | 1                        | 10.4       | 72        | 2.5         | 307       | 12           |
| 19/05/24 05:10 | 0           | 6                        | 6                        | 1                        | 10.5       | 72        | 2.8         | 301       | 10           |
| 19/05/24 05:15 | 0           | 6                        | 6                        | 1                        | 10.5       | 72        | 2.3         | 303       | 14           |
| 19/05/24 05:20 | 0           | 6                        | 6                        | 1                        | 10.5       | 72        | 2.2         | 293       | 16           |
| 19/05/24 05:25 | 0           | 5                        | 6                        | 1                        | 10.5       | 72        | 2.0         | 298       | 16           |
| 19/05/24 05:30 | 0           | 5                        | 6                        | 1                        | 10.6       | 72        | 2.0         | 304       | 13           |
| 19/05/24 05:35 | 0           | 5                        | 6                        | 1                        | 10.6       | 72        | 2.3         | 295       | 12           |
| 19/05/24 05:40 | 0           | 6                        | 6                        | 1                        | 10.5       | 72        | 2.6         | 300       | 15           |
| 19/05/24 05:45 | 0           | 6                        | 7                        | 1                        | 10.6       | 72        | 2.5         | 296       | 11           |
| 19/05/24 05:50 | 0           | 7                        | 7                        | 1                        | 10.6       | 72        | 2.4         | 304       | 12           |
| 19/05/24 05:55 | 0           | 7                        | 8                        | 1                        | 10.6       | 72        | 2.6         | 309       | 13           |
| 19/05/24 06:00 | 0           | 7                        | 7                        | 1                        | 10.6       | 72        | 2.4         | 307       | 14           |
| 19/05/24 06:05 | 0           | 7                        | 7                        | 1                        | 10.6       | 73        | 2.6         | 304       | 12           |
| 19/05/24 06:10 | 0           | 6                        | 7                        | 1                        | 10.7       | 73        | 3.0         | 301       | 8            |
| 19/05/24 06:15 | 0           | 6                        | 6                        | 1                        | 10.6       | 73        | 2.8         | 297       | 8            |
| 19/05/24 06:20 | 0           | 6                        | 6                        | 1                        | 10.7       | 73        | 2.5         | 296       | 15           |
| 19/05/24 06:25 | 0           | 6                        | 6                        | 1                        | 10.7       | 74        | 2.9         | 298       | 11           |
| 19/05/24 06:30 | 0           | 6                        | 6                        | 1                        | 10.7       | 74        | 2.8         | 299       | 15           |
| 19/05/24 06:35 | 0           | 5                        | 6                        | 1                        | 10.7       | 73        | 2.8         | 304       | 10           |
| 19/05/24 06:40 | 0           | 5                        | 5                        | 1                        | 10.7       | 74        | 2.4         | 300       | 12           |
| 19/05/24 06:45 | 0           | 5                        | 6                        | 1                        | 10.7       | 75        | 2.4         | 301       | 14           |
| 19/05/24 06:50 | 0           | 5                        | 5                        | 1                        | 10.7       | 75        | 2.5         | 294       | 13           |
| 19/05/24 06:55 | 0           | 5                        | 5                        | 2                        | 10.8       | 75        | 2.6         | 295       | 15           |
| 19/05/24 07:00 | 0           | 5                        | 5                        | 2                        | 10.8       | 76        | 2.7         | 295       | 15           |
| 19/05/24 07:05 | 0           | 5                        | 5                        | 1                        | 10.8       | 76        | 2.6         | 296       | 16           |
| 19/05/24 07:10 | 0           | 5                        | 6                        | 1                        | 10.8       | 76        | 2.6         | 295       | 16           |
| 19/05/24 07:15 | 0           | 6                        | 6                        | 1                        | 10.9       | 77        | 2.2         | 292       | 16           |
| 19/05/24 07:20 | 0           | 7                        | 7                        | 1                        | 10.9       | 76        | 2.4         | 300       | 14           |
| 19/05/24 07:25 | 0           | 8                        | 8                        | 1                        | 10.8       | 76        | 2.3         | 296       | 14           |
| 19/05/24 07:30 | 0           | 8                        | 8                        | 1                        | 10.9       | 77        | 2.7         | 300       | 13           |
| 19/05/24 07:35 | 0           | 8                        | 8                        | 1                        | 10.9       | 77        | 2.8         | 297       | 10           |
| 19/05/24 07:40 | 0           | 8                        | 8                        | 1                        | 10.9       | 77        | 2.9         | 295       | 12           |
| 19/05/24 07:45 | 0           | 8                        | 8                        | 1                        | 11.0       | 77        | 2.9         | 291       | 17           |
| 19/05/24 07:50 | 0           | 9                        | 9                        | 1                        | 11.1       | 77        | 2.5         | 295       | 15           |
| 19/05/24 07:55 | 0           | 9                        | 10                       | 1                        | 11.2       | 78        | 2.5         | 295       | 15           |
| 19/05/24 08:00 | 1           | 10                       | 11                       | 1                        | 11.3       | 77        | 2.5         | 298       | 14           |
| 19/05/24 08:05 | 1           | 10                       | 11                       | 1                        | 11.3       | 77        | 2.7         | 297       | 12           |
| 19/05/24 08:10 | 1           | 10                       | 11                       | 1                        | 11.4       | 77        | 2.5         | 295       | 15           |
| 19/05/24 08:15 | 1           | 10                       | 11                       | 2                        | 11.4       | 77        | 2.4         | 299       | 15           |
| 19/05/24 08:20 | 1           | 11                       | 11                       | 2                        | 11.5       | 78        | 2.3         | 301       | 15           |
| 19/05/24 08:25 | 1           | 10                       | 11                       | 2                        | 11.6       | 77        | 2.1         | 300       | 16           |
| 19/05/24 08:30 | 1           | 10                       | 11                       | 2                        | 11.6       | 77        | 2.4         | 300       | 17           |
| 19/05/24 08:35 | 1           | 9                        | 10                       | 2                        | 11.7       | 77        | 2.2         | 308       | 13           |
| 19/05/24 08:40 | 1           | 8                        | 9                        | 1                        | 11.7       | 77        | 2.1         | 306       | 15           |
| 19/05/24 08:45 | 1           | 8                        | 9                        | 1                        | 11.9       | 77        | 2.0         | 299       | 18           |
| 19/05/24 08:50 | 1           | 8                        | 9                        | 2                        | 11.9       | 76        | 2.2         | 302       | 14           |
| 19/05/24 08:55 | 1           | 8                        | 9                        | 2                        | 11.9       | 76        | 2.6         | 310       | 12           |
| 19/05/24 09:00 | 1           | 8                        | 9                        | 2                        | 12.0       | 76        | 2.4         | 301       | 13           |
| 19/05/24 09:05 | 1           | 8                        | 9                        | 1                        | 12.0       | 76        | 2.0         | 304       | 19           |
| 19/05/24 09:10 | 1           | 8                        | 9                        | 1                        | 12.2       | 76        | 1.8         | 304       | 20           |
| 19/05/24 09:15 | 1           | 8                        | 10                       | 1                        | 12.2       | 76        | 2.4         | 306       | 13           |
| 19/05/24 09:20 | 1           | 8                        | 10                       | 1                        | 12.4       | 76        | 2.1         | 300       | 18           |
| 19/05/24 09:25 | 1           | 8                        | 10                       | 1                        | 12.4       | 75        | 2.3         | 307       | 15           |
| 19/05/24 09:30 | 2           | 8                        | 10                       | 1                        | 12.4       | 75        | 2.4         | 310       | 13           |
| 19/05/24 09:35 | 2           | 8                        | 10                       | 1                        | 12.5       | 75        | 2.6         | 303       | 12           |
| 19/05/24 09:40 | 2           | 8                        | 10                       | 1                        | 12.6       | 75        | 2.3         | 307       | 15           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 19/05/24 09:45                              | 2           | 9                        | 10                       | 1                        | 12.7       | 75        | 2.7         | 310       | 12           |
| 19/05/24 09:50                              | 2           | 9                        | 11                       | 1                        | 12.9       | 75        | 2.2         | 298       | 17           |
| 19/05/24 09:55                              | 2           | 10                       | 12                       | 2                        | 12.9       | 76        | 2.1         | 294       | 18           |
| 19/05/24 10:00                              | 2           | 10                       | 12                       | 2                        | 13.0       | 77        | 2.0         | 284       | 17           |
| 19/05/24 10:05                              | 2           | 9                        | 11                       | 1                        | 13.2       | 78        | 2.3         | 286       | 15           |
| 19/05/24 10:10                              | 1           | 8                        | 9                        | 2                        | 13.3       | 77        | 2.6         | 288       | 15           |
| 19/05/24 10:15                              | 1           | 7                        | 8                        | 2                        | 13.5       | 77        | 2.7         | 290       | 14           |
| 19/05/24 10:20                              | 2           | 7                        | 9                        | 2                        | 13.6       | 77        | 3.0         | 280       | 17           |
| 19/05/24 10:25                              | 2           | 4                        | 6                        | 1                        | 13.9       | 76        | 3.6         | 276       | 14           |
| 19/05/24 10:30                              | 2           | 3                        | 5                        | 1                        | 14.0       | 76        | 4.8         | 270       | 9            |
| 19/05/24 10:35                              | 1           | 3                        | 5                        | 1                        | 14.1       | 75        | 4.0         | 269       | 8            |
| 19/05/24 10:40                              | 1           | 3                        | 5                        | 1                        | 14.2       | 75        | 4.2         | 268       | 11           |
| 19/05/24 10:45                              | 1           | 4                        | 5                        | 1                        | 14.4       | 74        | 4.8         | 266       | 11           |
| 19/05/24 10:50                              | 1           | 4                        | 6                        | 1                        | 14.6       | 74        | 4.1         | 261       | 11           |
| 19/05/24 10:55                              | 1           | 5                        | 7                        | 1                        | 14.7       | 74        | 4.4         | 256       | 12           |
| 19/05/24 11:00                              | 2           | 5                        | 7                        | 2                        | 14.8       | 75        | 6.4         | 247       | 5            |
| 19/05/24 11:05                              | 1           | 6                        | 7                        | 2                        | 14.9       | 75        | 5.5         | 250       | 9            |
| 19/05/24 11:10                              | 2           | 9                        | 10                       | 2                        | 15.0       | 75        | 5.5         | 256       | 13           |
| 19/05/24 11:15                              | 2           | 9                        | 11                       | 2                        | 15.0       | 75        | 5.6         | 256       | 8            |
| 19/05/24 11:20                              | 2           | 9                        | 11                       | 2                        | 14.9       | 75        | 5.9         | 258       | 9            |
| 19/05/24 11:25                              | 2           | 10                       | 12                       | 2                        | 15.0       | 75        | 6.3         | 256       | 10           |
| 19/05/24 11:30                              | 3           | 7                        | 9                        | 2                        | 15.0       | 76        | 6.5         | 257       | 9            |
| 19/05/24 11:35                              | 3           | 5                        | 8                        | 2                        | 15.1       | 75        | 6.3         | 260       | 9            |
| 19/05/24 11:40                              | 2           | 6                        | 8                        | 2                        | 15.1       | 75        | 5.3         | 258       | 7            |
| 19/05/24 11:45                              | 2           | 8                        | 11                       | 2                        | 15.2       | 75        | 5.4         | 259       | 10           |
| 19/05/24 11:50                              | 2           | 8                        | 10                       | 2                        | 15.3       | 75        | 7.5         | 263       | 8            |
| 19/05/24 11:55                              | 2           | 6                        | 7                        | 2                        | 15.3       | 74        | 7.7         | 265       | 8            |
| 19/05/24 12:00                              | 2           | 5                        | 7                        | 2                        | 15.4       | 74        | 6.9         | 258       | 8            |
| 19/05/24 12:05                              | 2           | 6                        | 8                        | 2                        | 15.4       | 74        | 6.7         | 255       | 10           |
| 19/05/24 12:10                              | 2           | 6                        | 8                        | 2                        | 15.4       | 73        | 7.2         | 252       | 7            |
| 19/05/24 12:15                              | 2           | 5                        | 7                        | 2                        | 15.5       | 73        | 8.2         | 253       | 8            |
| 19/05/24 12:20                              | 2           | 5                        | 6                        | 2                        | 15.6       | 73        | 6.9         | 260       | 8            |
| 19/05/24 12:25                              | 2           | 6                        | 7                        | 2                        | 15.6       | 73        | 7.0         | 254       | 7            |
| 19/05/24 12:30                              | 2           | 6                        | 8                        | 2                        | 15.5       | 73        | 7.3         | 253       | 11           |
| 19/05/24 12:35                              | 2           | 6                        | 8                        | 2                        | 15.6       | 74        | 6.0         | 252       | 6            |
| 19/05/24 12:40                              | 2           | 6                        | 8                        | 2                        | 15.6       | 73        | 6.3         | 252       | 5            |
| 19/05/24 12:45                              | 2           | 6                        | 8                        | 2                        | 15.6       | 74        | 6.3         | 253       | 7            |
| 19/05/24 12:50                              | 2           | 6                        | 8                        | 2                        | 15.7       | 74        | 7.2         | 252       | 7            |
| 19/05/24 12:55                              | 2           | 5                        | 7                        | 2                        | 15.6       | 75        | 6.5         | 251       | 6            |
| 19/05/24 13:00                              | 2           | 5                        | 7                        | 2                        | 15.6       | 77        | 7.5         | 260       | 7            |
| 19/05/24 13:05                              | 2           | 6                        | 7                        | 2                        | 15.4       | 78        | 6.8         | 258       | 5            |
| 19/05/24 13:10                              | 2           | 6                        | 8                        | 2                        | 15.3       | 78        | 8.1         | 255       | 7            |
| 19/05/24 13:15                              | 2           | 6                        | 7                        | 2                        | 14.9       | 82        | 6.4         | 253       | 8            |
| 19/05/24 13:20                              | 2           | 6                        | 8                        | 2                        | 14.8       | 84        | 6.0         | 248       | 10           |
| 19/05/24 13:25                              | 2           | 5                        | 7                        | 2                        | 14.6       | 86        | 5.0         | 239       | 7            |
| 19/05/24 13:30                              | 1           | 1                        | 2                        | 2                        | 14.5       | 88        | 5.6         | 234       | 7            |
| 19/05/24 13:35                              | 1           | 2                        | 3                        | 2                        | 14.5       | 87        | 4.2         | 253       | 12           |
| 19/05/24 13:40                              | 1           | 5                        | 6                        | 2                        | 14.5       | 89        | 7.1         | 222       | 8            |
| 19/05/24 13:45                              | 1           | 1                        | 2                        | 2                        | 14.1       | 93        | 6.8         | 221       | 4            |
| 19/05/24 13:50                              | 1           | 1                        | 2                        | 2                        | 13.9       | 94        | 6.4         | 222       | 5            |
| 19/05/24 13:55                              | 1           | 1                        | 2                        | 2                        | 13.9       | 94        | 6.0         | 222       | 4            |
| 19/05/24 14:00                              | 1           | 1                        | 2                        | 2                        | 13.9       | 94        | 5.4         | 224       | 5            |
| 19/05/24 14:05                              | 1           | 1                        | 2                        | 2                        | 13.9       | 95        | 5.7         | 234       | 5            |
| 19/05/24 14:10                              | 0           | 1                        | 2                        | 2                        | 13.9       | 95        | 4.9         | 236       | 7            |
| 19/05/24 14:15                              | 0           | 1                        | 2                        | 2                        | 13.8       | 96        | 3.7         | 252       | 13           |
| 19/05/24 14:20                              | 1           | 2                        | 3                        | 2                        | 13.9       | 95        | 3.9         | 264       | 5            |
| 19/05/24 14:25                              | 2           | 5                        | 7                        | 2                        | 14.1       | 94        | 3.4         | 269       | 10           |
| 19/05/24 14:30                              | 2           | 6                        | 8                        | 2                        | 14.2       | 93        | 2.2         | 282       | 14           |
| 19/05/24 14:35                              | 2           | 6                        | 8                        | 2                        | 14.4       | 92        | 2.5         | 276       | 13           |
| 19/05/24 14:40                              | 2           | 6                        | 7                        | 2                        | 14.6       | 91        | 3.2         | 275       | 9            |
| 19/05/24 14:45                              | 2           | 6                        | 7                        | 2                        | 14.7       | 90        | 3.3         | 272       | 8            |
| 19/05/24 14:50                              | 1           | 6                        | 7                        | 2                        | 14.7       | 89        | 2.3         | 269       | 14           |
| 19/05/24 14:55                              | 1           | 6                        | 7                        | 2                        | 14.8       | 89        | 2.0         | 275       | 22           |
| 19/05/24 15:00                              | 1           | 6                        | 8                        | 2                        | 15.0       | 88        | 2.9         | 262       | 11           |
| 19/05/24 15:05                              | 2           | 8                        | 10                       | 2                        | 15.0       | 87        | 2.4         | 259       | 12           |
| 19/05/24 15:10                              | 2           | 12                       | 14                       | 2                        | 15.0       | 87        | 2.6         | 265       | 7            |
| 19/05/24 15:15                              | 3           | 13                       | 15                       | 2                        | 15.1       | 86        | 2.7         | 265       | 9            |
| 19/05/24 15:20                              | 3           | 12                       | 15                       | 2                        | 15.2       | 87        | 1.9         | 276       | 16           |
| 19/05/24 15:25                              | 3           | 12                       | 15                       | 2                        | 15.1       | 87        | 2.2         | 257       | 7            |
| 19/05/24 15:30                              | 3           | 13                       | 16                       | 2                        | 15.2       | 87        | 2.2         | 238       | 10           |
| 19/05/24 15:35                              | 3           | 12                       | 14                       | 2                        | 15.1       | 86        | 4.3         | 208       | 4            |
| 19/05/24 15:40                              |             |                          |                          | 2                        | 14.9       | 86        | 4.4         | 201       | 6            |
| 19/05/24 15:45                              |             |                          |                          | 2                        | 14.8       | 85        | 5.1         | 203       | 4            |
| 19/05/24 15:50                              | 1           | 0                        | 2                        | 2                        | 14.9       | 86        | 4.3         | 206       | 5            |
| 19/05/24 15:55                              | 1           | 0                        | 1                        | 2                        | 15.0       | 85        | 4.3         | 204       | 5            |
| 19/05/24 16:00                              | 1           | 0                        | 1                        | 2                        | 15.0       | 85        | 3.9         | 207       | 5            |
| 19/05/24 16:05                              | 0           | 1                        | 1                        | 2                        | 15.1       | 84        | 3.8         | 211       | 5            |
| 19/05/24 16:10                              | 0           | 1                        | 1                        | 2                        | 15.0       | 83        | 3.2         | 214       | 4            |
| 19/05/24 16:15                              | 0           | 1                        | 1                        | 2                        | 15.1       | 83        | 3.1         | 216       | 6            |
| 19/05/24 16:20                              | 0           | 1                        | 2                        | 2                        | 15.1       | 82        | 3.1         | 219       | 4            |
| 19/05/24 16:25                              | 0           | 2                        | 3                        | 2                        | 15.2       | 83        | 2.9         | 230       | 5            |
| 19/05/24 16:30                              | 1           | 9                        | 9                        | 2                        | 15.1       | 83        | 2.3         | 231       | 4            |
| 19/05/24 16:35                              | 1           | 12                       | 13                       | 2                        | 15.1       | 82        | 2.1         | 238       | 5            |
| 19/05/24 16:40                              | 1           | 3                        | 4                        | 2                        | 15.1       | 83        | 1.6         | 235       | 7            |
| 19/05/24 16:45                              | 1           | 3                        | 4                        | 2                        | 15.2       | 82        | 1.5         | 212       | 19           |
| 19/05/24 16:50                              | 0           | 2                        | 3                        | 2                        | 15.1       | 83        | 1.9         | 231       | 5            |
| 19/05/24 16:55                              | 0           | 2                        | 3                        | 2                        | 15.1       | 84        | 2.0         | 249       | 14           |
| 19/05/24 17:00                              | 0           | 3                        | 4                        | 2                        | 15.1       | 83        | 1.7         | 265       | 19           |
| 19/05/24 17:05                              | 1           | 7                        | 8                        | 2                        | 15.0       | 83        | 0.5         | 272       | 47           |
| 19/05/24 17:10                              | 1           | 9                        | 10                       | 2                        | 14.9       | 83        | 2.5         | 230       | 17           |
| 19/05/24 17:15                              | 0           | 4                        | 5                        | 2                        | 15.0       | 81        | 3.0         | 216       | 7            |
| 19/05/24 17:20                              | 0           | 1                        | 1                        | 2                        | 15.0       | 81        | 3.4         | 215       | 6            |
| 19/05/24 17:25                              | 0           | 1                        | 1                        | 2                        | 15.1       | 82        | 4.5         | 230       | 8            |
| 19/05/24 17:30                              | 0           | 1                        | 2                        | 2                        | 15.0       | 82        | 4.1         | 230       | 7            |
| 19/05/24 17:35                              | 0           | 1                        | 2                        | 2                        | 15.0       | 81        | 3.8         | 217       | 7            |
| 19/05/24 17:40                              | 0           | 1                        | 2                        | 2                        | 15.0       | 79        | 4.6         | 213       | 6            |
| 19/05/24 17:45                              | 0           | 1                        | 1                        | 2                        | 15.1       | 79        | 4.7         | 215       | 7            |
| 19/05/24 17:50                              | 0           | 1                        | 1                        | 2                        | 15.1       | 80        | 4.8         | 214       | 3            |
| 19/05/24 17:55                              | 0           | 1                        | 1                        | 2                        | 15.0       | 84        | 5.8         | 205       | 4            |
| 19/05/24 18:00                              | 0           | 2                        | 2                        | 2                        | 14.9       | 84        | 5.6         | 203       | 5            |
| 19/05/24 18:05                              | 0           | 2                        | 1                        | 2                        | 14.9       | 85        | 5.6         | 203       | 5            |
| 19/05/24 18:10                              | 0           | 1                        | 1                        | 2                        | 14.8       | 85        | 5.2         | 204       | 5            |
| 19/05/24 18:15                              | 0           | 1                        | 1                        | 2                        | 14.8       | 85        | 4.7         | 204       | 7            |
| 19/05/24 18:20                              | 0           | 1                        | 1                        | 2                        | 14.7       | 85        | 5.3         | 207       | 5            |
| 19/05/24 18:25                              | 0           | 1                        | 1                        | 2                        | 14.8       | 85        | 4.9         | 212       | 3            |
| 19/05/24 18:30                              | 0           | 1                        | 1                        | 2                        | 14.8       | 83        | 5.5         | 214       | 4            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 19/05/24 18:35 | 0           | 1                        | 1                        | 2                        | 14.8       | 82        | 5.7         | 213       | 4            |
| 19/05/24 18:40 | 0           | 3                        | 3                        | 2                        | 14.9       | 82        | 5.0         | 213       | 4            |
| 19/05/24 18:45 | 0           | 2                        | 3                        | 2                        | 14.8       | 83        | 4.3         | 214       | 5            |
| 19/05/24 18:50 | 0           | 2                        | 2                        | 2                        | 14.7       | 82        | 4.8         | 218       | 5            |
| 19/05/24 18:55 | 0           | 1                        | 2                        | 2                        | 14.7       | 82        | 4.6         | 219       | 5            |
| 19/05/24 19:00 | 0           | 1                        | 2                        | 2                        | 14.8       | 81        | 5.1         | 217       | 4            |
| 19/05/24 19:05 | 0           | 1                        | 2                        | 2                        | 14.7       | 81        | 4.4         | 221       | 4            |
| 19/05/24 19:10 | 0           | 2                        | 2                        | 2                        | 14.7       | 80        | 4.6         | 223       | 5            |
| 19/05/24 19:15 | 0           | 1                        | 1                        | 2                        | 14.8       | 81        | 4.7         | 221       | 5            |
| 19/05/24 19:20 | 0           | 1                        | 1                        | 2                        | 14.8       | 82        | 4.4         | 222       | 7            |
| 19/05/24 19:25 | 0           | 1                        | 1                        | 2                        | 14.8       | 80        | 5.7         | 220       | 6            |
| 19/05/24 19:30 | 0           | 1                        | 1                        | 2                        | 14.7       | 80        | 5.1         | 223       | 5            |
| 19/05/24 19:35 | 0           | 1                        | 1                        | 2                        | 14.7       | 79        | 5.6         | 223       | 5            |
| 19/05/24 19:40 | 0           | 1                        | 1                        | 2                        | 14.8       | 79        | 5.3         | 219       | 4            |
| 19/05/24 19:45 | 0           | 1                        | 1                        | 2                        | 14.8       | 79        | 5.8         | 223       | 6            |
| 19/05/24 19:50 | 0           | 1                        | 1                        | 2                        | 14.8       | 80        | 4.8         | 233       | 13           |
| 19/05/24 19:55 | 0           | 8                        | 8                        | 2                        | 14.7       | 81        | 4.0         | 255       | 7            |
| 19/05/24 20:00 | 0           | 9                        | 9                        | 1                        | 14.5       | 81        | 4.8         | 248       | 9            |
| 19/05/24 20:05 | 0           | 8                        | 8                        | 1                        | 14.4       | 82        | 4.1         | 264       | 8            |
| 19/05/24 20:10 | 0           | 13                       | 13                       | 1                        | 14.2       | 83        | 3.8         | 268       | 6            |
| 19/05/24 20:15 | 0           | 14                       | 14                       | 1                        | 14.2       | 83        | 3.9         | 260       | 8            |
| 19/05/24 20:20 | 1           | 14                       | 15                       | 2                        | 14.2       | 83        | 4.0         | 254       | 9            |
| 19/05/24 20:25 | 1           | 15                       | 16                       | 2                        | 14.1       | 82        | 4.4         | 252       | 7            |
| 19/05/24 20:30 | 1           | 14                       | 15                       | 2                        | 14.1       | 83        | 3.8         | 254       | 9            |
| 19/05/24 20:35 | 1           | 14                       | 15                       | 2                        | 14.1       | 83        | 3.9         | 258       | 7            |
| 19/05/24 20:40 | 1           | 14                       | 15                       | 2                        | 14.1       | 84        | 4.3         | 260       | 6            |
| 19/05/24 20:45 | 1           | 14                       | 16                       | 2                        | 14.1       | 84        | 3.7         | 264       | 5            |
| 19/05/24 20:50 | 1           | 14                       | 15                       | 2                        | 14.1       | 84        | 3.2         | 266       | 7            |
| 19/05/24 20:55 | 1           | 14                       | 15                       | 2                        | 14.1       | 84        | 3.2         | 263       | 7            |
| 19/05/24 21:00 | 1           | 15                       | 16                       | 2                        | 14.0       | 83        | 3.2         | 267       | 4            |
| 19/05/24 21:05 | 1           | 15                       | 16                       | 3                        | 14.0       | 84        | 3.1         | 270       | 7            |
| 19/05/24 21:10 | 1           | 16                       | 18                       | 2                        | 14.0       | 83        | 3.5         | 261       | 6            |
| 19/05/24 21:15 | 2           | 17                       | 18                       | 2                        | 14.0       | 82        | 3.9         | 261       | 5            |
| 19/05/24 21:20 | 2           | 17                       | 19                       | 2                        | 13.9       | 82        | 3.7         | 261       | 5            |
| 19/05/24 21:25 | 2           | 18                       | 20                       | 2                        | 13.8       | 80        | 3.9         | 258       | 5            |
| 19/05/24 21:30 | 2           | 18                       | 20                       | 3                        | 13.7       | 80        | 3.7         | 247       | 10           |
| 19/05/24 21:35 | 2           | 17                       | 19                       | 3                        | 13.8       | 79        | 3.8         | 247       | 9            |
| 19/05/24 21:40 | 2           | 15                       | 17                       | 3                        | 13.6       | 80        | 4.2         | 242       | 8            |
| 19/05/24 21:45 | 1           | 11                       | 12                       | 3                        | 13.6       | 80        | 4.2         | 248       | 9            |
| 19/05/24 21:50 | 1           | 11                       | 12                       | 3                        | 13.6       | 80        | 4.0         | 254       | 8            |
| 19/05/24 21:55 | 1           | 12                       | 13                       | 3                        | 13.5       | 80        | 4.3         | 263       | 7            |
| 19/05/24 22:00 | 1           | 13                       | 14                       | 3                        | 13.5       | 80        | 4.7         | 256       | 8            |
| 19/05/24 22:05 | 2           | 14                       | 15                       | 3                        | 13.6       | 80        | 4.7         | 249       | 7            |
| 19/05/24 22:10 | 1           | 11                       | 12                       | 3                        | 13.5       | 79        | 5.3         | 250       | 10           |
| 19/05/24 22:15 | 1           | 9                        | 10                       | 3                        | 13.5       | 80        | 5.0         | 248       | 8            |
| 19/05/24 22:20 | 1           | 9                        | 10                       | 3                        | 13.4       | 80        | 5.2         | 246       | 8            |
| 19/05/24 22:25 | 1           | 9                        | 10                       | 3                        | 13.5       | 80        | 5.0         | 251       | 8            |
| 19/05/24 22:30 | 1           | 9                        | 9                        | 3                        | 13.3       | 80        | 4.6         | 252       | 8            |
| 19/05/24 22:35 | 1           | 9                        | 10                       | 3                        | 13.3       | 81        | 4.1         | 246       | 11           |
| 19/05/24 22:40 | 1           | 9                        | 10                       | 3                        | 13.3       | 81        | 3.3         | 248       | 9            |
| 19/05/24 22:45 | 1           | 10                       | 11                       | 3                        | 13.3       | 81        | 3.3         | 256       | 7            |
| 19/05/24 22:50 | 1           | 10                       | 11                       | 3                        | 13.4       | 81        | 3.0         | 260       | 5            |
| 19/05/24 22:55 | 1           | 11                       | 12                       | 3                        | 13.3       | 80        | 3.5         | 260       | 7            |
| 19/05/24 23:00 | 1           | 12                       | 13                       | 3                        | 13.3       | 80        | 3.4         | 259       | 7            |
| 19/05/24 23:05 | 1           | 13                       | 14                       | 3                        | 13.3       | 80        | 3.4         | 262       | 7            |
| 19/05/24 23:10 | 1           | 13                       | 14                       | 3                        | 13.2       | 79        | 3.7         | 260       | 8            |
| 19/05/24 23:15 | 1           | 13                       | 14                       | 4                        | 13.2       | 79        | 3.5         | 260       | 6            |
| 19/05/24 23:20 | 1           | 13                       | 15                       | 4                        | 13.3       | 79        | 4.1         | 260       | 5            |
| 19/05/24 23:25 | 1           | 14                       | 15                       | 4                        | 13.2       | 80        | 4.8         | 262       | 6            |
| 19/05/24 23:30 | 2           | 14                       | 16                       | 4                        | 13.3       | 80        | 4.5         | 255       | 7            |
| 19/05/24 23:35 | 2           | 14                       | 16                       | 5                        | 13.3       | 79        | 4.4         | 254       | 7            |
| 19/05/24 23:40 | 2           | 14                       | 15                       | 5                        | 13.3       | 79        | 4.5         | 251       | 11           |
| 19/05/24 23:45 | 1           | 13                       | 14                       | 5                        | 13.3       | 78        | 6.0         | 246       | 7            |
| 19/05/24 23:50 | 1           | 12                       | 13                       |                          | 13.2       | 79        | 5.8         | 240       | 7            |
| 19/05/24 23:55 | 1           | 10                       | 11                       |                          | 13.2       | 80        | 6.0         | 235       | 6            |
| 20/05/24 00:00 | 1           | 4                        | 4                        | 5                        | 13.2       | 84        | 6.5         | 227       | 7            |
| 20/05/24 00:05 | 1           | 2                        | 2                        | 4                        | 12.8       | 85        | 5.3         | 230       | 7            |
| 20/05/24 00:10 | 1           | 2                        | 2                        | 4                        | 13.1       | 84        | 5.8         | 226       | 5            |
| 20/05/24 00:15 | 1           | 2                        | 2                        | 3                        | 12.9       | 84        | 4.8         | 232       | 5            |
| 20/05/24 00:20 | 1           | 2                        | 2                        | 3                        | 13.1       | 83        | 5.1         | 232       | 6            |
| 20/05/24 00:25 | 0           | 2                        | 2                        | 3                        | 13.1       | 81        | 4.7         | 239       | 5            |
| 20/05/24 00:30 | 0           | 2                        | 2                        | 2                        | 13.1       | 81        | 4.6         | 242       | 8            |
| 20/05/24 00:35 | 0           | 2                        | 2                        | 2                        | 13.2       | 82        | 5.0         | 241       | 7            |
| 20/05/24 00:40 | 0           | 2                        | 3                        | 2                        | 13.1       | 86        | 7.9         | 232       | 6            |
| 20/05/24 00:45 | 0           | 2                        | 2                        | 2                        | 12.5       | 90        | 7.0         | 238       | 6            |
| 20/05/24 00:50 | 0           | 2                        | 2                        | 2                        | 12.1       | 93        | 6.0         | 245       | 6            |
| 20/05/24 00:55 | 0           | 3                        | 3                        | 2                        | 12.0       | 92        | 5.3         | 252       | 7            |
| 20/05/24 01:00 | 0           | 4                        | 4                        | 2                        | 12.1       | 91        | 4.5         | 259       | 7            |
| 20/05/24 01:05 |             |                          |                          |                          | 12.1       | 90        | 4.2         | 260       | 7            |
| 20/05/24 01:10 |             |                          |                          |                          | 12.1       | 89        | 4.5         | 259       | 6            |
| 20/05/24 01:15 |             |                          |                          |                          | 12.1       | 87        | 4.0         | 260       | 6            |
| 20/05/24 01:20 |             |                          |                          |                          | 12.2       | 86        | 4.8         | 265       | 5            |
| 20/05/24 01:25 |             |                          |                          |                          | 12.3       | 86        | 4.2         | 265       | 6            |
| 20/05/24 01:30 |             |                          |                          |                          | 12.3       | 86        | 2.6         | 274       | 14           |
| 20/05/24 01:35 |             |                          |                          |                          | 12.2       | 86        | 3.2         | 261       | 12           |
| 20/05/24 01:40 |             |                          |                          |                          | 12.3       | 86        | 3.5         | 248       | 12           |
| 20/05/24 01:45 |             |                          |                          |                          | 12.3       | 84        | 4.3         | 246       | 8            |
| 20/05/24 01:50 |             |                          |                          |                          | 12.4       | 85        | 4.3         | 241       | 6            |
| 20/05/24 01:55 |             |                          |                          |                          | 12.4       | 85        | 3.9         | 247       | 8            |
| 20/05/24 02:00 |             |                          |                          |                          | 12.5       | 85        | 3.4         | 248       | 8            |
| 20/05/24 02:05 | 0           | 8                        | 9                        | 2                        | 12.5       | 84        | 4.0         | 250       | 11           |
| 20/05/24 02:10 | 0           | 10                       | 10                       | 2                        | 12.6       | 84        | 4.1         | 254       | 9            |
| 20/05/24 02:15 | 0           | 9                        | 10                       | 2                        | 12.5       | 84        | 5.0         | 248       | 10           |
| 20/05/24 02:20 | 0           | 8                        | 9                        | 2                        | 12.2       | 86        | 4.7         | 240       | 7            |
| 20/05/24 02:25 | 0           | 7                        | 8                        | 2                        | 12.1       | 88        | 4.6         | 248       | 9            |
| 20/05/24 02:30 | 0           | 7                        | 7                        | 2                        | 12.0       | 90        | 4.2         | 251       | 7            |
| 20/05/24 02:35 | 0           | 7                        | 8                        | 2                        | 12.0       | 91        | 4.4         | 253       | 7            |
| 20/05/24 02:40 | 0           | 8                        | 8                        | 2                        | 11.9       | 91        | 4.3         | 255       | 7            |
| 20/05/24 02:45 | 1           | 8                        | 9                        | 2                        | 11.9       | 91        | 3.8         | 257       | 6            |
| 20/05/24 02:50 | 1           | 9                        | 10                       | 2                        | 12.0       | 90        | 3.6         | 249       | 8            |
| 20/05/24 02:55 | 1           | 10                       | 11                       | 2                        | 12.0       | 90        | 3.8         | 251       | 10           |
| 20/05/24 03:00 | 1           | 10                       | 11                       | 2                        | 12.1       | 90        | 4.9         | 244       | 9            |
| 20/05/24 03:05 | 1           | 8                        | 9                        | 2                        | 12.1       | 91        | 4.7         | 243       | 9            |
| 20/05/24 03:10 | 1           | 7                        | 8                        | 2                        | 11.9       | 91        | 4.4         | 244       | 8            |
| 20/05/24 03:15 | 1           | 8                        | 8                        | 1                        | 11.8       | 91        | 4.4         | 252       | 6            |
| 20/05/24 03:20 | 1           | 8                        | 8                        | 1                        | 11.8       | 91        | 4.3         | 252       | 8            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 20/05/24 03:25                              | 1           | 8                        | 8                        | 2                        | 11.9       | 92        | 4.1         | 247       | 8            |
| 20/05/24 03:30                              | 0           | 7                        | 8                        | 2                        | 12.0       | 92        | 5.0         | 240       | 9            |
| 20/05/24 03:35                              | 0           | 5                        | 6                        | 2                        | 12.1       | 92        | 6.1         | 237       | 7            |
| 20/05/24 03:40                              | 0           | 3                        | 4                        | 2                        | 11.9       | 94        | 6.0         | 241       | 6            |
| 20/05/24 03:45                              | 0           | 2                        | 3                        | 1                        | 11.8       | 95        | 5.7         | 240       | 7            |
| 20/05/24 03:50                              | 0           | 2                        | 3                        | 1                        | 11.7       | 95        | 5.4         | 242       | 9            |
| 20/05/24 03:55                              | 0           | 3                        | 3                        | 1                        | 11.7       | 95        | 5.6         | 242       | 8            |
| 20/05/24 04:00                              | 0           | 2                        | 3                        | 1                        | 11.7       | 95        | 5.8         | 242       | 7            |
| 20/05/24 04:05                              | 0           | 2                        | 3                        | 1                        | 11.7       | 96        | 5.6         | 238       | 9            |
| 20/05/24 04:10                              | 0           | 3                        | 3                        | 1                        | 11.6       | 96        | 4.4         | 243       | 8            |
| 20/05/24 04:15                              | 0           | 4                        | 4                        | 1                        | 11.6       | 96        | 4.7         | 244       | 8            |
| 20/05/24 04:20                              | 0           | 4                        | 4                        | 1                        | 11.7       | 97        | 4.9         | 248       | 7            |
| 20/05/24 04:25                              | 0           | 4                        | 5                        | 1                        | 11.7       | 97        | 4.8         | 248       | 5            |
| 20/05/24 04:30                              | 0           | 5                        | 5                        | 1                        | 11.7       | 97        | 4.5         | 246       | 9            |
| 20/05/24 04:35                              | 0           | 5                        | 6                        | 1                        | 11.6       | 96        | 4.4         | 247       | 9            |
| 20/05/24 04:40                              | 0           | 6                        | 7                        | 1                        | 11.7       | 96        | 5.2         | 245       | 7            |
| 20/05/24 04:45                              | 1           | 7                        | 8                        | 1                        | 11.7       | 96        | 5.1         | 243       | 9            |
| 20/05/24 04:50                              | 1           | 7                        | 8                        | 1                        | 11.8       | 96        | 5.2         | 247       | 6            |
| 20/05/24 04:55                              | 1           | 7                        | 7                        | 1                        | 11.8       | 96        | 4.6         | 246       | 7            |
| 20/05/24 05:00                              | 1           | 7                        | 7                        | 1                        | 11.7       | 96        | 4.7         | 248       | 7            |
| 20/05/24 05:05                              | 1           | 7                        | 8                        | 1                        | 11.6       | 96        | 5.3         | 246       | 6            |
| 20/05/24 05:10                              | 1           | 7                        | 8                        | 1                        | 11.7       | 96        | 4.8         | 247       | 7            |
| 20/05/24 05:15                              | 1           | 8                        | 8                        | 1                        | 11.7       | 96        | 4.8         | 245       | 8            |
| 20/05/24 05:20                              | 1           | 8                        | 9                        | 1                        | 11.7       | 96        | 4.4         | 248       | 8            |
| 20/05/24 05:25                              | 1           | 9                        | 10                       | 1                        | 11.8       | 96        | 4.7         | 250       | 8            |
| 20/05/24 05:30                              | 1           | 9                        | 10                       | 1                        | 11.8       | 95        | 5.0         | 251       | 6            |
| 20/05/24 05:35                              | 1           | 9                        | 10                       | 1                        | 11.9       | 95        | 5.2         | 248       | 9            |
| 20/05/24 05:40                              | 1           | 9                        | 10                       | 1                        | 11.8       | 94        | 4.8         | 250       | 7            |
| 20/05/24 05:45                              | 1           | 9                        | 10                       | 1                        | 11.9       | 95        | 4.6         | 249       | 7            |
| 20/05/24 05:50                              | 1           | 9                        | 10                       | 1                        | 11.9       | 95        | 4.7         | 250       | 8            |
| 20/05/24 05:55                              | 1           | 9                        | 10                       | 1                        | 11.9       | 94        | 5.2         | 243       | 6            |
| 20/05/24 06:00                              | 1           | 9                        | 10                       | 1                        | 11.8       | 94        | 5.6         | 248       | 7            |
| 20/05/24 06:05                              | 1           | 9                        | 10                       | 1                        | 11.8       | 94        | 5.5         | 250       | 6            |
| 20/05/24 06:10                              | 1           | 9                        | 11                       | 1                        | 11.7       | 94        | 5.1         | 247       | 7            |
| 20/05/24 06:15                              | 2           | 10                       | 11                       | 1                        | 11.8       | 95        | 4.7         | 247       | 9            |
| 20/05/24 06:20                              | 2           | 11                       | 13                       | 1                        | 11.7       | 94        | 4.6         | 252       | 6            |
| 20/05/24 06:25                              | 2           | 11                       | 14                       | 1                        | 11.7       | 95        | 4.4         | 256       | 6            |
| 20/05/24 06:30                              | 3           | 12                       | 15                       | 1                        | 11.5       | 95        | 5.0         | 261       | 6            |
| 20/05/24 06:35                              | 3           | 13                       | 16                       | 1                        | 11.5       | 95        | 5.0         | 258       | 6            |
| 20/05/24 06:40                              | 4           | 14                       | 18                       | 1                        | 11.4       | 95        | 4.3         | 262       | 7            |
| 20/05/24 06:45                              | 6           | 19                       | 24                       | 1                        | 11.3       | 95        | 4.3         | 265       | 6            |
| 20/05/24 06:50                              | 8           | 23                       | 31                       | 1                        | 11.4       | 95        | 4.5         | 258       | 6            |
| 20/05/24 06:55                              | 10          | 21                       | 31                       | 2                        | 11.4       | 95        | 4.5         | 258       | 8            |
| 20/05/24 07:00                              | 9           | 20                       | 29                       | 2                        | 11.5       | 95        | 5.3         | 252       | 8            |
| 20/05/24 07:05                              | 8           | 19                       | 26                       | 2                        | 11.4       | 94        | 5.1         | 253       | 6            |
| 20/05/24 07:10                              | 7           | 18                       | 24                       | 2                        | 11.3       | 94        | 4.9         | 254       | 8            |
| 20/05/24 07:15                              | 6           | 17                       | 23                       | 2                        | 11.4       | 94        | 5.0         | 250       | 7            |
| 20/05/24 07:20                              | 4           | 17                       | 21                       | 3                        | 11.4       | 94        | 4.7         | 247       | 8            |
| 20/05/24 07:25                              | 4           | 16                       | 20                       | 3                        | 11.3       | 94        | 5.2         | 245       | 7            |
| 20/05/24 07:30                              | 4           | 16                       | 20                       | 2                        | 11.2       | 95        | 4.7         | 246       | 10           |
| 20/05/24 07:35                              | 4           | 17                       | 21                       | 2                        | 11.3       | 95        | 4.9         | 252       | 6            |
| 20/05/24 07:40                              | 5           | 17                       | 22                       | 2                        | 11.2       | 95        | 4.6         | 254       | 7            |
| 20/05/24 07:45                              | 6           | 17                       | 23                       | 2                        | 11.4       | 95        | 4.9         | 252       | 7            |
| 20/05/24 07:50                              | 6           | 17                       | 23                       | 2                        | 11.4       | 95        | 5.5         | 246       | 9            |
| 20/05/24 07:55                              | 5           | 16                       | 21                       | 2                        | 11.3       | 95        | 5.4         | 243       | 6            |
| 20/05/24 08:00                              | 4           | 12                       | 16                       | 2                        | 11.4       | 95        | 5.2         | 245       | 6            |
| 20/05/24 08:05                              | 4           | 10                       | 14                       | 2                        | 11.3       | 95        | 5.1         | 246       | 7            |
| 20/05/24 08:10                              | 4           | 12                       | 16                       | 2                        | 11.5       | 95        | 4.5         | 251       | 8            |
| 20/05/24 08:15                              | 4           | 12                       | 17                       | 2                        | 11.5       | 94        | 5.4         | 244       | 8            |
| 20/05/24 08:20                              | 4           | 12                       | 16                       | 2                        | 11.5       | 94        | 4.5         | 249       | 8            |
| 20/05/24 08:25                              | 4           | 12                       | 17                       | 2                        | 11.5       | 94        | 4.2         | 254       | 7            |
| 20/05/24 08:30                              | 5           | 13                       | 17                       | 1                        | 11.5       | 95        | 4.3         | 247       | 8            |
| 20/05/24 08:35                              | 5           | 13                       | 17                       | 2                        | 11.6       | 95        | 4.0         | 247       | 6            |
| 20/05/24 08:40                              | 5           | 10                       | 15                       | 1                        | 11.8       | 95        | 4.9         | 241       | 7            |
| 20/05/24 08:45                              | 4           | 8                        | 12                       | 1                        | 11.9       | 95        | 4.9         | 242       | 6            |
| 20/05/24 08:50                              | 3           | 5                        | 8                        | 1                        | 12.1       | 96        | 5.5         | 237       | 6            |
| 20/05/24 08:55                              | 3           | 3                        | 5                        | 1                        | 12.3       | 96        | 5.2         | 236       | 8            |
| 20/05/24 09:00                              | 2           | 3                        | 5                        | 1                        | 12.4       | 95        | 5.7         | 236       | 6            |
| 20/05/24 09:05                              | 2           | 4                        | 5                        | 1                        | 12.3       | 94        | 5.8         | 236       | 5            |
| 20/05/24 09:10                              | 2           | 4                        | 6                        | 1                        | 12.3       | 94        | 4.6         | 247       | 6            |
| 20/05/24 09:15                              | 2           | 5                        | 6                        | 1                        | 12.1       | 94        | 4.4         | 242       | 7            |
| 20/05/24 09:20                              | 2           | 5                        | 7                        | 1                        | 12.2       | 94        | 4.4         | 241       | 6            |
| 20/05/24 09:25                              | 2           | 6                        | 8                        | 1                        | 12.1       | 94        | 4.6         | 242       | 7            |
| 20/05/24 09:30                              | 3           | 6                        | 9                        | 1                        | 12.4       | 95        | 4.4         | 250       | 6            |
| 20/05/24 09:35                              | 3           | 6                        | 10                       | 2                        | 12.5       | 94        | 4.5         | 240       | 8            |
| 20/05/24 09:40                              | 3           | 6                        | 9                        | 1                        | 12.6       | 93        | 5.2         | 238       | 5            |
| 20/05/24 09:45                              | 3           | 6                        | 9                        | 1                        | 12.6       | 94        | 5.6         | 236       | 5            |
| 20/05/24 09:50                              | 2           | 6                        | 9                        | 1                        | 12.5       | 94        | 4.9         | 238       | 8            |
| 20/05/24 09:55                              | 3           | 6                        | 9                        | 1                        | 12.7       | 95        | 5.0         | 231       | 4            |
| 20/05/24 10:00                              | 2           | 6                        | 8                        | 1                        | 12.7       | 95        | 4.6         | 229       | 5            |
| 20/05/24 10:05                              | 2           | 6                        | 8                        | 1                        | 12.8       | 95        | 4.4         | 229       | 6            |
| 20/05/24 10:10                              | 2           | 6                        | 8                        | 1                        | 12.9       | 94        | 4.8         | 230       | 5            |
| 20/05/24 10:15                              | 2           | 6                        | 7                        | 1                        | 12.8       | 94        | 3.8         | 232       | 6            |
| 20/05/24 10:20                              | 2           | 5                        | 7                        | 1                        | 13.0       | 94        | 3.5         | 233       | 9            |
| 20/05/24 10:25                              | 2           | 5                        | 7                        | 1                        | 13.0       | 93        | 3.0         | 238       | 12           |
| 20/05/24 10:30                              | 1           | 5                        | 6                        | 1                        | 13.1       | 92        | 2.8         | 236       | 16           |
| 20/05/24 10:35                              | 1           | 5                        | 6                        | 1                        | 13.2       | 92        | 1.6         | 242       | 13           |
| 20/05/24 10:40                              | 1           | 5                        | 6                        | 1                        | 13.4       | 90        | 0.9         | 172       | 36           |
| 20/05/24 10:45                              | 2           | 5                        | 7                        | 1                        | 14.0       | 84        | 1.1         | 172       | 32           |
| 20/05/24 10:50                              | 2           | 1                        | 3                        | 1                        | 14.5       | 81        | 1.6         | 166       | 27           |
| 20/05/24 10:55                              | 2           | 7                        | 9                        | 1                        | 14.7       | 77        | 2.0         | 152       | 21           |
| 20/05/24 11:00                              | 5           | 10                       | 15                       | 1                        | 14.9       | 77        | 1.6         | 161       | 30           |
| 20/05/24 11:05                              | 2           | 2                        | 4                        | 1                        | 14.8       | 79        | 3.2         | 207       | 22           |
| 20/05/24 11:10                              | 1           | 3                        | 4                        | 2                        | 13.8       | 86        | 3.8         | 210       | 10           |
| 20/05/24 11:15                              | 1           | 3                        | 4                        | 1                        | 13.7       | 89        | 5.1         | 230       | 8            |
| 20/05/24 11:20                              | 1           | 4                        | 4                        | 1                        | 13.5       | 90        | 5.9         | 231       | 4            |
| 20/05/24 11:25                              | 1           | 4                        | 4                        | 1                        | 13.3       | 90        | 4.9         | 227       | 4            |
| 20/05/24 11:30                              | 1           | 4                        | 4                        | 1                        | 13.4       | 90        | 4.1         | 226       | 5            |
| 20/05/24 11:35                              | 1           | 4                        | 4                        | 1                        | 13.5       | 89        | 5.0         | 230       | 5            |
| 20/05/24 11:40                              | 1           | 4                        | 4                        | 1                        | 13.5       | 89        | 4.3         | 228       | 6            |
| 20/05/24 11:45                              | 1           | 4                        | 5                        | 1                        | 13.7       | 88        | 4.6         | 225       | 6            |
| 20/05/24 11:50                              | 5           | 20                       | 25                       | 1                        | 13.8       | 86        | 3.2         | 218       | 6            |
| 20/05/24 11:55                              | 6           | 8                        | 13                       | 1                        | 14.0       | 84        | 3.1         | 215       | 7            |
| 20/05/24 12:00                              | 1           | 2                        | 2                        | 1                        | 14.3       | 80        | 3.0         | 203       | 10           |
| 20/05/24 12:05                              | 1           | 2                        | 3                        | 2                        | 14.6       | 79        | 3.1         | 198       | 11           |
| 20/05/24 12:10                              | 1           | 2                        | 3                        | 2                        | 14.7       | 77        | 5.6         | 212       | 12           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 20/05/24 12:15                              | 1           | 3                        | 3                        | 2                        | 14.0       | 86        | 6.9         | 224       | 4            |
| 20/05/24 12:20                              | 1           | 3                        | 4                        | 2                        | 13.8       | 86        | 5.2         | 223       | 10           |
| 20/05/24 12:25                              | 1           | 3                        | 4                        | 2                        | 13.7       | 86        | 4.4         | 227       | 7            |
| 20/05/24 12:30                              | 1           | 3                        | 4                        | 1                        | 13.9       | 82        | 4.4         | 216       | 8            |
| 20/05/24 12:35                              | 0           | 3                        | 3                        | 1                        | 14.1       | 82        | 5.4         | 227       | 6            |
| 20/05/24 12:40                              | 1           | 3                        | 4                        | 1                        | 13.9       | 85        | 4.7         | 236       | 5            |
| 20/05/24 12:45                              | 1           | 3                        | 4                        | 1                        | 13.9       | 85        | 4.0         | 232       | 6            |
| 20/05/24 12:50                              | 1           | 3                        | 4                        | 1                        | 14.2       | 82        | 3.9         | 225       | 6            |
| 20/05/24 12:55                              | 1           | 3                        | 4                        | 1                        | 14.4       | 81        | 3.9         | 210       | 8            |
| 20/05/24 13:00                              | 1           | 3                        | 4                        | 1                        | 14.6       | 79        | 6.0         | 199       | 5            |
| 20/05/24 13:05                              | 1           | 2                        | 3                        | 1                        | 14.6       | 78        | 5.4         | 200       | 6            |
| 20/05/24 13:10                              | 0           | 2                        | 3                        | 1                        | 14.5       | 78        | 5.1         | 201       | 6            |
| 20/05/24 13:15                              | 0           | 2                        | 2                        | 1                        | 14.4       | 79        | 4.9         | 200       | 5            |
| 20/05/24 13:20                              | 1           | 4                        | 4                        | 1                        | 14.5       | 78        | 5.6         | 201       | 5            |
| 20/05/24 13:25                              | 1           | 6                        | 8                        | 1                        | 14.4       | 76        | 5.0         | 206       | 5            |
| 20/05/24 13:30                              | 1           | 2                        | 3                        | 1                        | 14.5       | 77        | 3.9         | 207       | 5            |
| 20/05/24 13:35                              | 1           | 1                        | 2                        | 1                        | 14.5       | 74        | 3.6         | 201       | 5            |
| 20/05/24 13:40                              | 1           | 1                        | 2                        | 1                        | 14.7       | 75        | 4.0         | 201       | 4            |
| 20/05/24 13:45                              | 1           | 2                        | 2                        | 1                        | 14.7       | 73        | 4.1         | 198       | 6            |
| 20/05/24 13:50                              | 1           | 2                        | 2                        | 1                        | 14.7       | 74        | 4.8         | 203       | 5            |
| 20/05/24 13:55                              | 1           | 2                        | 2                        | 1                        | 14.7       | 75        | 4.8         | 209       | 5            |
| 20/05/24 14:00                              | 0           | 2                        | 2                        | 1                        | 14.6       | 77        | 5.3         | 212       | 5            |
| 20/05/24 14:05                              | 0           | 2                        | 2                        | 1                        | 14.6       | 80        | 5.4         | 209       | 4            |
| 20/05/24 14:10                              | 0           | 1                        | 2                        | 1                        | 14.4       | 80        | 5.4         | 213       | 5            |
| 20/05/24 14:15                              | 0           | 1                        | 2                        | 1                        | 14.4       | 78        | 4.9         | 204       | 4            |
| 20/05/24 14:20                              | 0           | 1                        | 1                        | 1                        | 14.4       | 79        | 5.1         | 208       | 5            |
| 20/05/24 14:25                              | 0           | 1                        | 1                        | 1                        | 14.5       | 78        | 5.0         | 205       | 4            |
| 20/05/24 14:30                              | 0           | 1                        | 1                        | 1                        | 14.5       | 79        | 4.9         | 206       | 4            |
| 20/05/24 14:35                              | 0           | 1                        | 1                        | 1                        | 14.5       | 80        | 5.2         | 205       | 4            |
| 20/05/24 14:40                              | 0           | 1                        | 1                        | 1                        | 14.5       | 80        | 5.7         | 202       | 4            |
| 20/05/24 14:45                              | 0           | 1                        | 1                        | 1                        | 14.4       | 79        | 5.2         | 205       | 4            |
| 20/05/24 14:50                              | 0           | 1                        | 1                        | 1                        | 14.3       | 82        | 6.8         | 210       | 3            |
| 20/05/24 14:55                              | 0           | 1                        | 1                        | 1                        | 14.1       | 82        | 6.0         | 216       | 4            |
| 20/05/24 15:00                              | 0           | 1                        | 1                        | 1                        | 14.2       | 82        | 6.1         | 215       | 4            |
| 20/05/24 15:05                              | 0           | 1                        | 1                        | 1                        | 14.2       | 80        | 6.1         | 211       | 3            |
| 20/05/24 15:10                              | 0           | 1                        | 1                        | 1                        | 14.3       | 80        | 5.6         | 216       | 3            |
| 20/05/24 15:15                              | 0           | 1                        | 1                        | 1                        | 14.4       | 78        | 5.6         | 211       | 4            |
| 20/05/24 15:20                              | 0           | 1                        | 1                        | 1                        | 14.4       | 78        | 5.9         | 210       | 4            |
| 20/05/24 15:25                              | 0           | 1                        | 1                        | 1                        | 14.4       | 79        | 5.8         | 208       | 4            |
| 20/05/24 15:30                              | 0           | 1                        | 1                        | 1                        | 14.6       | 81        | 6.6         | 206       | 3            |
| 20/05/24 15:35                              | 0           | 1                        | 1                        | 1                        | 14.5       | 79        | 6.1         | 204       | 3            |
| 20/05/24 15:40                              | 0           | 1                        | 1                        | 1                        | 14.5       | 79        | 5.8         | 206       | 5            |
| 20/05/24 15:45                              | 0           | 1                        | 1                        | 1                        | 14.5       | 78        | 4.7         | 201       | 5            |
| 20/05/24 15:50                              | 0           | 1                        | 1                        | 1                        | 14.5       | 75        | 4.7         | 198       | 7            |
| 20/05/24 15:55                              | 0           | 1                        | 1                        | 1                        | 14.6       | 76        | 4.6         | 203       | 6            |
| 20/05/24 16:00                              | 0           | 1                        | 1                        | 1                        | 14.5       | 76        | 5.3         | 207       | 4            |
| 20/05/24 16:05                              | 0           | 1                        | 1                        | 1                        | 14.5       | 75        | 5.5         | 212       | 7            |
| 20/05/24 16:10                              | 0           | 1                        | 1                        | 1                        | 14.1       | 83        | 6.2         | 232       | 5            |
| 20/05/24 16:15                              | 0           | 1                        | 1                        | 1                        | 13.9       | 87        | 5.4         | 229       | 4            |
| 20/05/24 16:20                              | 0           | 1                        | 1                        | 1                        | 13.9       | 86        | 5.8         | 223       | 4            |
| 20/05/24 16:25                              | 0           | 1                        | 1                        | 1                        | 13.9       | 86        | 6.8         | 209       | 8            |
| 20/05/24 16:30                              | 0           | 1                        | 1                        | 1                        | 13.8       | 86        | 7.0         | 204       | 5            |
| 20/05/24 16:35                              | 0           | 1                        | 1                        | 1                        | 13.8       | 84        | 6.2         | 198       | 6            |
| 20/05/24 16:40                              | 1           | 1                        | 2                        | 1                        | 13.7       | 84        | 6.6         | 207       | 6            |
| 20/05/24 16:45                              | 1           | 2                        | 2                        | 1                        | 13.7       | 82        | 5.6         | 217       | 4            |
| 20/05/24 16:50                              | 1           | 3                        | 4                        | 1                        | 13.8       | 79        | 4.9         | 219       | 3            |
| 20/05/24 16:55                              | 1           | 1                        | 2                        | 1                        | 14.0       | 78        | 4.2         | 214       | 6            |
| 20/05/24 17:00                              | 0           | 1                        | 1                        | 1                        | 14.2       | 77        | 4.5         | 213       | 3            |
| 20/05/24 17:05                              | 0           | 1                        | 1                        | 1                        | 14.1       | 79        | 4.2         | 209       | 6            |
| 20/05/24 17:10                              | 0           | 1                        | 1                        | 1                        | 13.9       | 81        | 4.4         | 209       | 8            |
| 20/05/24 17:15                              | 0           | 1                        | 1                        | 1                        | 13.9       | 83        | 4.7         | 187       | 9            |
| 20/05/24 17:20                              | 0           | 1                        | 1                        | 1                        | 13.5       | 85        | 3.0         | 182       | 17           |
| 20/05/24 17:25                              | 0           | 1                        | 1                        | 1                        | 13.4       | 86        | 2.2         | 173       | 25           |
| 20/05/24 17:30                              | 0           | 1                        | 1                        | 1                        | 13.4       | 85        | 2.4         | 174       | 24           |
| 20/05/24 17:35                              | 0           | 1                        | 1                        | 1                        | 13.4       | 83        | 2.5         | 186       | 24           |
| 20/05/24 17:40                              | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 4.0         | 194       | 8            |
| 20/05/24 17:45                              | 0           | 1                        | 1                        | 1                        | 13.9       | 81        | 4.0         | 194       | 8            |
| 20/05/24 17:50                              | 0           | 1                        | 1                        | 1                        | 13.8       | 79        | 3.8         | 194       | 6            |
| 20/05/24 17:55                              | 1           | 11                       | 12                       | 0                        | 13.9       | 77        | 3.4         | 193       | 8            |
| 20/05/24 18:00                              | 5           | 24                       | 28                       | 1                        | 13.9       | 78        | 3.0         | 194       | 8            |
| 20/05/24 18:05                              | 7           | 23                       | 29                       | 1                        | 13.9       | 76        | 3.5         | 189       | 9            |
| 20/05/24 18:10                              | 3           | 6                        | 9                        | 1                        | 13.9       | 83        | 5.4         | 195       | 6            |
| 20/05/24 18:15                              | 0           | 2                        | 2                        | 1                        | 13.6       | 84        | 5.6         | 195       | 7            |
| 20/05/24 18:20                              | 0           | 1                        | 1                        | 1                        | 13.4       | 84        | 5.9         | 195       | 7            |
| 20/05/24 18:25                              | 0           | 1                        | 1                        | 1                        | 13.4       | 83        | 6.1         | 198       | 7            |
| 20/05/24 18:30                              | 0           | 1                        | 1                        | 1                        | 13.3       | 82        | 6.7         | 198       | 6            |
| 20/05/24 18:35                              | 0           | 1                        | 1                        | 1                        | 13.3       | 83        | 7.1         | 202       | 7            |
| 20/05/24 18:40                              | 0           | 1                        | 1                        | 1                        | 13.6       | 80        | 6.5         | 216       | 4            |
| 20/05/24 18:45                              | 0           | 1                        | 0                        | 1                        | 13.7       | 79        | 5.4         | 211       | 6            |
| 20/05/24 18:50                              | 0           | 1                        | 0                        | 1                        | 13.9       | 74        | 5.3         | 200       | 6            |
| 20/05/24 18:55                              | 0           | 1                        | 1                        | 1                        | 13.8       | 74        | 3.7         | 194       | 8            |
| 20/05/24 19:00                              | 0           | 1                        | 1                        | 1                        | 13.7       | 77        | 4.8         | 187       | 10           |
| 20/05/24 19:05                              | 0           | 2                        | 2                        | 1                        | 13.6       | 77        | 4.2         | 186       | 9            |
| 20/05/24 19:10                              | 0           | 1                        | 1                        | 1                        | 13.6       | 78        | 2.1         | 184       | 16           |
| 20/05/24 19:15                              | 0           | 1                        | 1                        | 1                        | 13.6       | 78        | 1.8         | 181       | 20           |
| 20/05/24 19:20                              | 0           | 1                        | 1                        | 1                        | 13.5       | 77        | 1.4         | 168       | 20           |
| 20/05/24 19:25                              | 0           | 1                        | 1                        | 1                        | 13.5       | 78        | 1.4         | 163       | 27           |
| 20/05/24 19:30                              | 0           | 1                        | 1                        | 0                        | 13.5       | 79        | 1.7         | 152       | 21           |
| 20/05/24 19:35                              | 0           | 1                        | 1                        | 1                        | 13.5       | 76        | 2.3         | 153       | 24           |
| 20/05/24 19:40                              | 0           | 1                        | 1                        | 1                        | 13.6       | 78        | 1.9         | 158       | 28           |
| 20/05/24 19:45                              | 0           | 1                        | 1                        | 1                        | 13.6       | 79        | 1.9         | 162       | 30           |
| 20/05/24 19:50                              | 0           | 1                        | 1                        | 1                        | 13.6       | 81        | 1.3         | 170       | 35           |
| 20/05/24 19:55                              | 0           | 1                        | 1                        | 1                        | 13.5       | 81        | 2.8         | 150       | 20           |
| 20/05/24 20:00                              | 0           | 1                        | 1                        | 1                        | 13.5       | 80        | 2.2         | 160       | 26           |
| 20/05/24 20:05                              | 0           | 1                        | 1                        | 1                        | 13.4       | 81        | 1.3         | 161       | 29           |
| 20/05/24 20:10                              | 0           | 1                        | 1                        | 0                        | 13.4       | 82        | 1.8         | 182       | 18           |
| 20/05/24 20:15                              | 0           | 1                        | 1                        | 1                        | 13.3       | 81        | 1.7         | 183       | 16           |
| 20/05/24 20:20                              | 0           | 1                        | 1                        | 1                        | 13.3       | 81        | 2.0         | 186       | 13           |
| 20/05/24 20:25                              | 0           | 1                        | 1                        | 1                        | 13.4       | 81        | 2.0         | 181       | 12           |
| 20/05/24 20:30                              | 0           | 1                        | 1                        | 1                        | 13.4       | 82        | 2.0         | 185       | 12           |
| 20/05/24 20:35                              | 0           | 1                        | 1                        | 1                        | 13.4       | 82        | 2.3         | 187       | 10           |
| 20/05/24 20:40                              | 0           | 1                        | 1                        | 1                        | 13.5       | 82        | 1.9         | 184       | 15           |
| 20/05/24 20:45                              | 0           | 1                        | 1                        | 1                        | 13.4       | 81        | 2.3         | 186       | 12           |
| 20/05/24 20:50                              | 0           | 1                        | 1                        | 1                        | 13.6       | 83        | 1.8         | 180       | 16           |
| 20/05/24 20:55                              | 0           | 1                        | 1                        | 1                        | 13.6       | 82        | 2.5         | 189       | 9            |
| 20/05/24 21:00                              | 0           | 1                        | 1                        | 1                        | 13.6       | 81        | 2.4         | 192       | 9            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 20/05/24 21:05                              | 0           | 1                        | 1                        | 1                        | 13.7       | 82        | 2.3         | 186       | 13           |
| 20/05/24 21:10                              | 0           | 2                        | 2                        | 0                        | 13.7       | 83        | 2.1         | 162       | 23           |
| 20/05/24 21:15                              | 0           | 1                        | 1                        | 0                        | 13.7       | 82        | 3.2         | 144       | 14           |
| 20/05/24 21:20                              | 0           | 1                        | 1                        | 0                        | 13.7       | 80        | 2.6         | 149       | 20           |
| 20/05/24 21:25                              | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 1.5         | 168       | 34           |
| 20/05/24 21:30                              | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 1.7         | 151       | 26           |
| 20/05/24 21:35                              | 0           | 1                        | 1                        | 0                        | 13.7       | 82        | 2.2         | 161       | 25           |
| 20/05/24 21:40                              | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 1.9         | 171       | 29           |
| 20/05/24 21:45                              | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 1.9         | 170       | 24           |
| 20/05/24 21:50                              | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 2.0         | 167       | 24           |
| 20/05/24 21:55                              | 0           | 1                        | 1                        | 1                        | 13.7       | 80        | 2.0         | 164       | 29           |
| 20/05/24 22:00                              | 0           | 1                        | 1                        | 1                        | 13.7       | 78        | 1.7         | 165       | 28           |
| 20/05/24 22:05                              | 0           | 1                        | 1                        | 1                        | 13.7       | 78        | 1.9         | 173       | 29           |
| 20/05/24 22:10                              | 0           | 1                        | 1                        | 1                        | 13.7       | 76        | 1.7         | 170       | 30           |
| 20/05/24 22:15                              | 0           | 1                        | 1                        | 1                        | 13.7       | 76        | 1.7         | 152       | 27           |
| 20/05/24 22:20                              | 0           | 1                        | 1                        | 1                        | 13.7       | 75        | 1.7         | 151       | 21           |
| 20/05/24 22:25                              | 0           | 1                        | 1                        | 1                        | 13.8       | 78        | 1.6         | 150       | 28           |
| 20/05/24 22:30                              | 0           | 1                        | 1                        | 0                        | 13.6       | 82        | 2.1         | 141       | 15           |
| 20/05/24 22:35                              | 0           | 1                        | 1                        | 0                        | 13.6       | 82        | 2.1         | 129       | 15           |
| 20/05/24 22:40                              | 0           | 1                        | 1                        | 1                        | 13.5       | 83        | 2.2         | 114       | 10           |
| 20/05/24 22:45                              | 0           | 2                        | 1                        | 1                        | 13.4       | 84        | 2.0         | 116       | 12           |
| 20/05/24 22:50                              | 0           | 2                        | 2                        | 1                        | 13.4       | 84        | 2.2         | 114       | 9            |
| 20/05/24 22:55                              | 0           | 2                        | 2                        | 0                        | 13.3       | 84        | 1.8         | 115       | 11           |
| 20/05/24 23:00                              | 0           | 3                        | 3                        | 0                        | 13.2       | 85        | 1.9         | 111       | 9            |
| 20/05/24 23:05                              | 0           | 3                        | 3                        | 0                        | 13.1       | 84        | 1.8         | 97        | 10           |
| 20/05/24 23:10                              | 0           | 4                        | 4                        | 1                        | 12.9       | 83        | 1.8         | 94        | 11           |
| 20/05/24 23:15                              | 0           | 5                        | 5                        | 1                        | 12.7       | 83        | 2.4         | 95        | 7            |
| 20/05/24 23:20                              | 0           | 5                        | 5                        | 1                        | 12.8       | 84        | 1.7         | 97        | 10           |
| 20/05/24 23:25                              | 0           | 6                        | 6                        | 1                        | 12.6       | 86        | 1.9         | 93        | 8            |
| 20/05/24 23:30                              | 0           | 6                        | 6                        | 1                        | 12.4       | 86        | 1.7         | 70        | 12           |
| 20/05/24 23:35                              | 0           | 6                        | 6                        | 1                        | 12.4       | 87        | 1.3         | 77        | 12           |
| 20/05/24 23:40                              | 0           | 6                        | 7                        | 0                        | 12.4       | 88        | 0.8         | 76        | 18           |
| 20/05/24 23:45                              | 0           | 7                        | 7                        | 0                        | 12.3       | 88        | 0.7         | 78        | 17           |
| 20/05/24 23:50                              | 0           | 6                        | 7                        |                          | 12.3       | 88        | 0.3         | 100       | 43           |
| 20/05/24 23:55                              | 0           | 7                        | 7                        |                          | 12.2       | 88        | 0.2         | 64        | 32           |
| 21/05/24 00:00                              | 0           | 6                        | 6                        | 1                        | 12.2       | 88        | 0.2         | 346       | 53           |
| 21/05/24 00:05                              | 0           | 7                        | 7                        | 1                        | 12.3       | 89        | 0.5         | 294       | 26           |
| 21/05/24 00:10                              | 0           | 7                        | 7                        | 1                        | 12.3       | 89        | 0.3         | 308       | 59           |
| 21/05/24 00:15                              | 0           | 7                        | 7                        | 1                        | 12.2       | 89        | 0.4         | 352       | 15           |
| 21/05/24 00:20                              | 0           | 8                        | 8                        | 1                        | 12.1       | 90        | 0.4         | 330       | 17           |
| 21/05/24 00:25                              | 0           | 8                        | 8                        | 1                        | 12.2       | 90        | 0.4         | 353       | 23           |
| 21/05/24 00:30                              | 0           | 8                        | 8                        | 1                        | 12.2       | 89        | 0.1         | 277       | 87           |
| 21/05/24 00:35                              | 0           | 8                        | 8                        | 1                        | 12.2       | 89        | 0.3         | 344       | 59           |
| 21/05/24 00:40                              | 0           | 8                        | 8                        | 1                        | 12.3       | 90        | 1.7         | 134       | 17           |
| 21/05/24 00:45                              | 0           | 7                        | 7                        | 2                        | 12.4       | 90        | 1.4         | 119       | 18           |
| 21/05/24 00:50                              | 0           | 7                        | 7                        | 2                        | 12.4       | 90        | 0.9         | 71        | 20           |
| 21/05/24 00:55                              | 0           | 6                        | 6                        | 2                        | 12.3       | 90        | 0.7         | 39        | 10           |
| 21/05/24 01:00                              | 0           | 6                        | 7                        | 2                        | 12.3       | 91        | 1.0         | 37        | 10           |
| 21/05/24 01:05                              |             |                          |                          |                          | 12.1       | 91        | 1.2         | 43        | 5            |
| 21/05/24 01:10                              |             |                          |                          |                          | 12.0       | 91        | 1.2         | 46        | 11           |
| 21/05/24 01:15                              |             |                          |                          |                          | 12.0       | 91        | 1.3         | 72        | 13           |
| 21/05/24 01:20                              |             |                          |                          |                          | 12.0       | 90        | 1.3         | 88        | 13           |
| 21/05/24 01:25                              |             |                          |                          |                          | 12.1       | 89        | 1.1         | 80        | 12           |
| 21/05/24 01:30                              |             |                          |                          |                          | 12.2       | 89        | 1.4         | 80        | 10           |
| 21/05/24 01:35                              |             |                          |                          |                          | 12.2       | 88        | 1.1         | 80        | 13           |
| 21/05/24 01:40                              |             |                          |                          |                          | 12.3       | 89        | 1.0         | 82        | 12           |
| 21/05/24 01:45                              |             |                          |                          |                          | 12.2       | 88        | 1.1         | 97        | 14           |
| 21/05/24 01:50                              |             |                          |                          |                          | 12.2       | 88        | 1.1         | 112       | 15           |
| 21/05/24 01:55                              |             |                          |                          |                          | 12.2       | 89        | 0.1         | 72        | 80           |
| 21/05/24 02:00                              |             |                          |                          |                          | 12.2       | 89        | 0.8         | 271       | 15           |
| 21/05/24 02:05                              | 0           | 9                        | 9                        | 2                        | 12.4       | 91        | 1.8         | 263       | 6            |
| 21/05/24 02:10                              | 0           | 13                       | 13                       | 2                        | 12.4       | 93        | 1.9         | 280       | 10           |
| 21/05/24 02:15                              | 0           | 12                       | 12                       | 2                        | 12.3       | 93        | 1.2         | 288       | 18           |
| 21/05/24 02:20                              | 0           | 12                       | 12                       | 2                        | 12.2       | 93        | 0.6         | 27        | 50           |
| 21/05/24 02:25                              | 0           | 11                       | 11                       | 2                        | 12.0       | 92        | 0.9         | 69        | 23           |
| 21/05/24 02:30                              | 0           | 10                       | 10                       | 2                        | 12.0       | 92        | 0.5         | 65        | 16           |
| 21/05/24 02:35                              | 0           | 8                        | 9                        | 2                        | 11.9       | 92        | 0.9         | 70        | 11           |
| 21/05/24 02:40                              | 0           | 7                        | 7                        | 2                        | 11.9       | 91        | 1.1         | 56        | 16           |
| 21/05/24 02:45                              | 0           | 6                        | 6                        | 2                        | 11.9       | 92        | 1.1         | 52        | 8            |
| 21/05/24 02:50                              | 0           | 6                        | 6                        | 2                        | 12.0       | 92        | 0.6         | 45        | 19           |
| 21/05/24 02:55                              | 0           | 6                        | 6                        | 2                        | 11.8       | 92        | 0.5         | 247       | 17           |
| 21/05/24 03:00                              | 0           | 6                        | 6                        | 2                        | 12.0       | 91        | 1.0         | 265       | 8            |
| 21/05/24 03:05                              | 0           | 5                        | 5                        | 2                        | 12.1       | 90        | 0.8         | 258       | 17           |
| 21/05/24 03:10                              | 0           | 16                       | 16                       | 2                        | 12.2       | 91        | 1.0         | 302       | 8            |
| 21/05/24 03:15                              | 0           | 17                       | 17                       | 2                        | 12.2       | 92        | 0.9         | 283       | 20           |
| 21/05/24 03:20                              | 0           | 17                       | 17                       | 2                        | 12.2       | 91        | 1.2         | 261       | 12           |
| 21/05/24 03:25                              | 1           | 22                       | 23                       | 2                        | 12.3       | 91        | 1.1         | 271       | 20           |
| 21/05/24 03:30                              | 2           | 25                       | 27                       | 2                        | 12.4       | 91        | 0.9         | 294       | 14           |
| 21/05/24 03:35                              | 2           | 24                       | 26                       | 2                        | 12.3       | 91        | 0.8         | 314       | 15           |
| 21/05/24 03:40                              | 2           | 22                       | 24                       | 2                        | 12.2       | 91        | 0.3         | 350       | 36           |
| 21/05/24 03:45                              | 1           | 21                       | 23                       | 2                        | 12.2       | 91        | 1.1         | 304       | 8            |
| 21/05/24 03:50                              | 1           | 21                       | 22                       | 2                        | 12.3       | 92        | 1.1         | 301       | 7            |
| 21/05/24 03:55                              | 1           | 21                       | 22                       | 2                        | 12.2       | 91        | 0.9         | 293       | 15           |
| 21/05/24 04:00                              | 1           | 21                       | 22                       | 2                        | 12.3       | 92        | 1.1         | 308       | 18           |
| 21/05/24 04:05                              | 1           | 20                       | 21                       | 2                        | 12.2       | 91        | 1.5         | 300       | 20           |
| 21/05/24 04:10                              | 1           | 18                       | 19                       | 2                        | 12.3       | 92        | 1.7         | 288       | 13           |
| 21/05/24 04:15                              | 1           | 13                       | 13                       | 2                        | 12.2       | 92        | 1.7         | 288       | 13           |
| 21/05/24 04:20                              | 0           | 9                        | 9                        | 2                        | 12.1       | 91        | 1.6         | 298       | 11           |
| 21/05/24 04:25                              | 0           | 8                        | 9                        | 2                        | 12.1       | 92        | 1.5         | 280       | 17           |
| 21/05/24 04:30                              | 0           | 9                        | 9                        | 2                        | 12.1       | 92        | 1.2         | 281       | 20           |
| 21/05/24 04:35                              | 0           | 10                       | 10                       | 2                        | 12.1       | 92        | 1.8         | 286       | 13           |
| 21/05/24 04:40                              | 0           | 10                       | 10                       | 2                        | 12.1       | 93        | 1.5         | 287       | 16           |
| 21/05/24 04:45                              | 0           | 10                       | 10                       | 2                        | 11.9       | 92        | 1.7         | 287       | 17           |
| 21/05/24 04:50                              | 0           | 11                       | 11                       | 2                        | 12.0       | 92        | 2.7         | 298       | 9            |
| 21/05/24 04:55                              | 1           | 12                       | 13                       | 2                        | 11.8       | 93        | 2.1         | 285       | 23           |
| 21/05/24 05:00                              | 1           | 14                       | 16                       | 2                        | 11.8       | 92        | 1.7         | 280       | 14           |
| 21/05/24 05:05                              | 1           | 15                       | 17                       | 2                        | 11.6       | 92        | 1.9         | 304       | 9            |
| 21/05/24 05:10                              | 2           | 16                       | 17                       | 2                        | 11.6       | 92        | 2.4         | 301       | 7            |
| 21/05/24 05:15                              | 1           | 15                       | 17                       | 2                        | 11.5       | 92        | 1.7         | 291       | 16           |
| 21/05/24 05:20                              | 1           | 13                       | 14                       | 2                        | 11.5       | 91        | 1.9         | 290       | 11           |
| 21/05/24 05:25                              | 1           | 14                       | 15                       | 2                        | 11.5       | 91        | 1.7         | 297       | 10           |
| 21/05/24 05:30                              | 3           | 24                       | 26                       | 2                        | 11.5       | 91        | 1.6         | 286       | 22           |
| 21/05/24 05:35                              | 6           | 20                       | 26                       | 2                        | 11.5       | 91        | 2.0         | 272       | 13           |
| 21/05/24 05:40                              | 3           | 15                       | 17                       | 2                        | 11.5       | 90        | 1.9         | 289       | 14           |
| 21/05/24 05:45                              | 3           | 16                       | 19                       | 2                        | 11.5       | 89        | 1.9         | 291       | 12           |
| 21/05/24 05:50                              | 2           | 15                       | 18                       | 2                        | 11.4       | 89        | 1.5         | 292       | 14           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 21/05/24 05:55                              | 2           | 16                       | 18                       | 2                        | 11.4       | 89        | 1.0         | 294       | 21           |
| 21/05/24 06:00                              | 4           | 17                       | 20                       | 2                        | 11.3       | 87        | 1.1         | 279       | 13           |
| 21/05/24 06:05                              | 6           | 21                       | 27                       | 2                        | 11.3       | 87        | 1.2         | 299       | 15           |
| 21/05/24 06:10                              | 8           | 22                       | 30                       | 2                        | 11.3       | 87        | 1.6         | 302       | 9            |
| 21/05/24 06:15                              | 20          | 25                       | 45                       | 2                        | 11.2       | 85        | 1.9         | 305       | 7            |
| 21/05/24 06:20                              | 15          | 22                       | 37                       | 2                        | 11.2       | 86        | 1.7         | 298       | 9            |
| 21/05/24 06:25                              | 21          | 21                       | 42                       | 2                        | 11.2       | 85        | 1.1         | 303       | 22           |
| 21/05/24 06:30                              | 27          | 21                       | 48                       | 2                        | 11.2       | 87        | 1.4         | 291       | 16           |
| 21/05/24 06:35                              | 23          | 22                       | 45                       | 2                        | 11.2       | 87        | 0.6         | 271       | 25           |
| 21/05/24 06:40                              | 17          | 21                       | 38                       | 2                        | 11.3       | 87        | 1.1         | 285       | 19           |
| 21/05/24 06:45                              | 14          | 21                       | 35                       | 2                        | 11.2       | 87        | 1.3         | 295       | 16           |
| 21/05/24 06:50                              | 17          | 22                       | 39                       | 2                        | 11.2       | 87        | 1.3         | 306       | 19           |
| 21/05/24 06:55                              | 17          | 22                       | 40                       | 2                        | 11.0       | 86        | 1.4         | 324       | 12           |
| 21/05/24 07:00                              | 15          | 23                       | 37                       | 2                        | 10.9       | 87        | 1.0         | 4         | 24           |
| 21/05/24 07:05                              | 14          | 23                       | 37                       | 2                        | 10.9       | 87        | 0.3         | 67        | 49           |
| 21/05/24 07:10                              | 14          | 23                       | 37                       | 2                        | 11.0       | 88        | 1.1         | 270       | 24           |
| 21/05/24 07:15                              | 15          | 23                       | 38                       | 2                        | 11.2       | 88        | 1.0         | 288       | 30           |
| 21/05/24 07:20                              | 17          | 22                       | 39                       | 2                        | 11.1       | 88        | 1.1         | 356       | 19           |
| 21/05/24 07:25                              | 23          | 19                       | 43                       | 2                        | 11.0       | 89        | 1.2         | 322       | 19           |
| 21/05/24 07:30                              | 24          | 23                       | 46                       | 2                        | 11.0       | 90        | 1.2         | 301       | 20           |
| 21/05/24 07:35                              | 21          | 22                       | 43                       | 2                        | 11.3       | 92        | 1.3         | 284       | 15           |
| 21/05/24 07:40                              | 13          | 21                       | 35                       | 2                        | 11.4       | 91        | 1.4         | 292       | 14           |
| 21/05/24 07:45                              | 11          | 22                       | 34                       | 2                        | 11.4       | 92        | 1.1         | 289       | 18           |
| 21/05/24 07:50                              | 14          | 22                       | 35                       | 2                        | 11.3       | 91        | 1.1         | 290       | 16           |
| 21/05/24 07:55                              | 24          | 22                       | 46                       | 2                        | 11.4       | 91        | 1.4         | 281       | 15           |
| 21/05/24 08:00                              | 38          | 25                       | 63                       | 2                        | 11.4       | 91        | 1.2         | 285       | 12           |
| 21/05/24 08:05                              | 57          | 19                       | 76                       | 2                        | 11.4       | 92        | 1.7         | 288       | 11           |
| 21/05/24 08:10                              | 56          | 23                       | 79                       | 2                        | 11.5       | 92        | 1.7         | 290       | 12           |
| 21/05/24 08:15                              | 50          | 26                       | 76                       | 2                        | 11.6       | 92        | 1.7         | 282       | 15           |
| 21/05/24 08:20                              | 27          | 30                       | 57                       | 2                        | 11.6       | 93        | 1.8         | 278       | 12           |
| 21/05/24 08:25                              | 23          | 23                       | 46                       | 2                        | 11.5       | 93        | 2.9         | 268       | 8            |
| 21/05/24 08:30                              | 23          | 23                       | 46                       | 2                        | 11.5       | 94        | 2.1         | 273       | 14           |
| 21/05/24 08:35                              | 21          | 25                       | 46                       | 2                        | 11.4       | 95        | 2.6         | 267       | 7            |
| 21/05/24 08:40                              | 18          | 26                       | 44                       | 2                        | 11.6       | 96        | 2.3         | 266       | 10           |
| 21/05/24 08:45                              | 19          | 25                       | 44                       | 2                        | 11.6       | 96        | 2.0         | 276       | 11           |
| 21/05/24 08:50                              | 18          | 25                       | 43                       | 2                        | 11.7       | 96        | 2.1         | 283       | 11           |
| 21/05/24 08:55                              | 19          | 24                       | 43                       | 2                        | 11.7       | 97        | 2.1         | 271       | 11           |
| 21/05/24 09:00                              | 15          | 22                       | 38                       | 2                        | 11.7       | 96        | 2.9         | 261       | 7            |
| 21/05/24 09:05                              | 18          | 23                       | 41                       | 2                        | 11.6       | 96        | 2.0         | 271       | 12           |
| 21/05/24 09:10                              | 14          | 21                       | 35                       | 2                        | 11.7       | 96        | 1.9         | 279       | 11           |
| 21/05/24 09:15                              | 4           | 17                       | 20                       | 2                        | 11.5       | 96        | 2.0         | 276       | 11           |
| 21/05/24 09:20                              | 4           | 17                       | 21                       | 2                        | 11.6       | 96        | 1.9         | 298       | 10           |
| 21/05/24 09:25                              | 4           | 16                       | 20                       | 2                        | 11.4       | 95        | 1.4         | 287       | 13           |
| 21/05/24 09:30                              | 5           | 22                       | 26                       | 2                        | 11.4       | 95        | 1.3         | 311       | 14           |
| 21/05/24 09:35                              | 5           | 22                       | 28                       | 2                        | 11.3       | 94        | 1.0         | 312       | 13           |
| 21/05/24 09:40                              | 5           | 21                       | 27                       | 2                        | 11.3       | 93        | 0.9         | 325       | 13           |
| 21/05/24 09:45                              | 6           | 26                       | 31                       | 2                        | 11.4       | 93        | 0.8         | 322       | 16           |
| 21/05/24 09:50                              | 7           | 26                       | 33                       | 2                        | 11.4       | 93        | 0.3         | 77        | 61           |
| 21/05/24 09:55                              | 6           | 22                       | 29                       | 2                        | 11.4       | 93        | 0.4         | 10        | 36           |
| 21/05/24 10:00                              | 6           | 18                       | 24                       | 2                        | 11.3       | 92        | 0.8         | 344       | 16           |
| 21/05/24 10:05                              | 5           | 17                       | 23                       | 2                        | 11.4       | 92        | 0.7         | 16        | 12           |
| 21/05/24 10:10                              | 5           | 17                       | 22                       | 2                        | 11.5       | 92        | 0.8         | 28        | 13           |
| 21/05/24 10:15                              | 5           | 16                       | 21                       | 2                        | 11.6       | 92        | 0.6         | 8         | 26           |
| 21/05/24 10:20                              | 5           | 15                       | 20                       | 2                        | 11.7       | 91        | 0.7         | 20        | 19           |
| 21/05/24 10:25                              | 5           | 15                       | 20                       | 2                        | 11.9       | 91        | 0.8         | 306       | 15           |
| 21/05/24 10:30                              | 5           | 15                       | 20                       | 2                        | 11.9       | 91        | 0.9         | 290       | 12           |
| 21/05/24 10:35                              | 6           | 15                       | 21                       | 2                        | 12.0       | 90        | 1.1         | 294       | 13           |
| 21/05/24 10:40                              | 23          | 28                       | 51                       | 2                        | 12.2       | 91        | 1.2         | 281       | 11           |
| 21/05/24 10:45                              | 45          | 28                       | 73                       | 2                        | 12.4       | 90        | 0.8         | 299       | 18           |
| 21/05/24 10:50                              | 43          | 28                       | 71                       | 2                        | 12.3       | 90        | 0.6         | 332       | 33           |
| 21/05/24 10:55                              | 35          | 21                       | 56                       | 2                        | 12.5       | 87        | 1.1         | 264       | 19           |
| 21/05/24 11:00                              | 26          | 21                       | 47                       | 2                        | 12.6       | 86        | 1.6         | 252       | 8            |
| 21/05/24 11:05                              | 25          | 24                       | 49                       | 2                        | 12.7       | 85        | 1.4         | 249       | 5            |
| 21/05/24 11:10                              | 23          | 24                       | 47                       | 2                        | 12.7       | 84        | 1.2         | 255       | 11           |
| 21/05/24 11:15                              | 23          | 22                       | 45                       | 2                        | 12.9       | 84        | 1.7         | 240       | 11           |
| 21/05/24 11:20                              | 7           | 9                        | 16                       | 2                        | 12.9       | 83        | 2.3         | 226       | 9            |
| 21/05/24 11:25                              | 2           | 10                       | 12                       | 2                        | 13.0       | 81        | 1.8         | 242       | 12           |
| 21/05/24 11:30                              | 2           | 9                        | 11                       | 2                        | 13.0       | 81        | 1.5         | 259       | 12           |
| 21/05/24 11:35                              | 2           | 8                        | 11                       | 2                        | 13.1       | 79        | 1.3         | 253       | 8            |
| 21/05/24 11:40                              | 2           | 6                        | 8                        | 2                        | 13.2       | 77        | 1.2         | 241       | 12           |
| 21/05/24 11:45                              | 2           | 5                        | 6                        | 2                        | 13.4       | 75        | 1.6         | 231       | 6            |
| 21/05/24 11:50                              | 2           | 4                        | 5                        | 2                        | 13.4       | 74        | 1.7         | 229       | 8            |
| 21/05/24 11:55                              | 2           | 4                        | 6                        | 2                        | 13.4       | 74        | 1.0         | 224       | 10           |
| 21/05/24 12:00                              | 1           | 4                        | 6                        | 2                        | 13.5       | 75        | 0.8         | 215       | 15           |
| 21/05/24 12:05                              | 1           | 4                        | 6                        | 2                        | 13.7       | 75        | 1.9         | 223       | 10           |
| 21/05/24 12:10                              | 1           | 4                        | 6                        | 2                        | 13.6       | 76        | 1.9         | 236       | 5            |
| 21/05/24 12:15                              | 1           | 4                        | 6                        | 2                        | 13.5       | 76        | 2.0         | 225       | 8            |
| 21/05/24 12:20                              | 1           | 4                        | 5                        | 2                        | 13.5       | 74        | 2.1         | 224       | 5            |
| 21/05/24 12:25                              | 1           | 4                        | 5                        | 2                        | 13.6       | 73        | 2.4         | 229       | 7            |
| 21/05/24 12:30                              | 1           | 3                        | 4                        | 2                        | 13.7       | 74        | 2.4         | 222       | 4            |
| 21/05/24 12:35                              | 1           | 3                        | 4                        | 2                        | 13.6       | 74        | 2.4         | 221       | 5            |
| 21/05/24 12:40                              | 1           | 3                        | 4                        | 2                        | 13.6       | 72        | 2.4         | 216       | 7            |
| 21/05/24 12:45                              | 1           | 3                        | 4                        | 2                        | 13.8       | 73        | 2.5         | 223       | 6            |
| 21/05/24 12:50                              | 1           | 3                        | 4                        | 2                        | 13.7       | 73        | 2.4         | 221       | 4            |
| 21/05/24 12:55                              | 1           | 3                        | 4                        | 2                        | 13.7       | 73        | 2.6         | 216       | 6            |
| 21/05/24 13:00                              | 1           | 3                        | 3                        | 2                        | 13.7       | 73        | 2.1         | 222       | 8            |
| 21/05/24 13:05                              | 1           | 3                        | 3                        | 2                        | 13.7       | 74        | 2.5         | 225       | 5            |
| 21/05/24 13:10                              | 1           | 3                        | 3                        | 2                        | 13.7       | 75        | 3.1         | 236       | 7            |
| 21/05/24 13:15                              | 1           | 3                        | 3                        | 2                        | 13.6       | 76        | 3.0         | 234       | 9            |
| 21/05/24 13:20                              | 1           | 3                        | 4                        | 2                        | 13.6       | 76        | 2.9         | 233       | 12           |
| 21/05/24 13:25                              | 1           | 3                        | 4                        | 2                        | 13.6       | 74        | 2.6         | 242       | 6            |
| 21/05/24 13:30                              | 1           | 3                        | 4                        | 2                        | 13.6       | 74        | 2.5         | 246       | 7            |
| 21/05/24 13:35                              | 1           | 3                        | 4                        | 2                        | 13.6       | 75        | 2.5         | 238       | 8            |
| 21/05/24 13:40                              | 1           | 3                        | 4                        | 2                        | 13.8       | 74        | 2.7         | 227       | 5            |
| 21/05/24 13:45                              | 1           | 3                        | 4                        | 2                        | 13.7       | 74        | 2.2         | 223       | 6            |
| 21/05/24 13:50                              | 1           | 3                        | 4                        | 2                        | 13.8       | 72        | 2.1         | 233       | 4            |
| 21/05/24 13:55                              | 1           | 3                        | 4                        | 2                        | 13.9       | 72        | 2.0         | 216       | 7            |
| 21/05/24 14:00                              | 1           | 3                        | 3                        | 2                        | 14.0       | 70        | 2.6         | 208       | 7            |
| 21/05/24 14:05                              | 1           | 3                        | 3                        | 2                        | 14.0       | 69        | 2.7         | 212       | 6            |
| 21/05/24 14:10                              | 1           | 3                        | 3                        | 2                        | 14.0       | 71        | 2.8         | 211       | 6            |
| 21/05/24 14:15                              | 1           | 2                        | 3                        | 2                        | 14.1       | 71        | 2.4         | 216       | 8            |
| 21/05/24 14:20                              | 1           | 2                        | 3                        | 2                        | 14.3       | 71        | 3.0         | 222       | 8            |
| 21/05/24 14:25                              | 3           | 6                        | 9                        | 2                        | 14.5       | 70        | 3.5         | 203       | 6            |
| 21/05/24 14:30                              | 1           | 3                        | 3                        | 2                        | 14.6       | 68        | 3.3         | 212       | 5            |
| 21/05/24 14:35                              | 1           | 2                        | 3                        | 2                        | 14.6       | 68        | 3.3         | 213       | 6            |
| 21/05/24 14:40                              | 0           | 2                        | 2                        | 2                        | 14.6       | 67        | 3.5         | 204       | 5            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 21/05/24 14:45                              | 0           | 2                        | 2                        | 2                        | 14.7       | 67        | 3.2         | 209       | 5            |
| 21/05/24 14:50                              | 0           | 2                        | 2                        | 2                        | 14.5       | 69        | 3.4         | 205       | 5            |
| 21/05/24 14:55                              | 0           | 2                        | 2                        | 2                        | 14.3       | 69        | 3.1         | 210       | 5            |
| 21/05/24 15:00                              | 0           | 2                        | 2                        | 2                        | 14.3       | 70        | 4.1         | 207       | 5            |
| 21/05/24 15:05                              | 0           | 2                        | 2                        | 2                        | 14.3       | 71        | 4.2         | 207       | 5            |
| 21/05/24 15:10                              | 0           | 2                        | 2                        | 2                        | 14.2       | 72        | 4.2         | 216       | 7            |
| 21/05/24 15:15                              | 0           | 2                        | 2                        | 2                        | 14.2       | 72        | 4.0         | 214       | 5            |
| 21/05/24 15:20                              | 0           | 2                        | 2                        | 2                        | 14.2       | 71        | 3.8         | 210       | 7            |
| 21/05/24 15:25                              | 0           | 2                        | 2                        | 2                        | 14.3       | 72        | 3.6         | 206       | 5            |
| 21/05/24 15:30                              | 3           | 22                       | 24                       | 2                        | 14.3       | 70        | 3.3         | 200       | 6            |
| 21/05/24 15:35                              | 13          | 14                       | 27                       | 2                        | 14.4       | 69        | 3.5         | 202       | 7            |
| 21/05/24 15:40                              | 2           | 2                        | 5                        | 2                        | 14.4       | 71        | 3.5         | 204       | 6            |
| 21/05/24 15:45                              | 18          | 14                       | 32                       | 2                        | 14.3       | 69        | 3.7         | 202       | 7            |
| 21/05/24 15:50                              | 11          | 10                       | 21                       | 2                        | 14.4       | 71        | 3.8         | 204       | 7            |
| 21/05/24 15:55                              | 5           | 6                        | 11                       | 2                        | 14.4       | 71        | 4.6         | 201       | 5            |
| 21/05/24 16:00                              | 30          | 25                       | 55                       | 2                        | 14.4       | 69        | 3.8         | 196       | 8            |
| 21/05/24 16:05                              | 9           | 12                       | 21                       | 2                        | 14.4       | 68        | 4.5         | 200       | 7            |
| 21/05/24 16:10                              | 20          | 16                       | 36                       | 2                        | 14.5       | 68        | 4.4         | 201       | 5            |
| 21/05/24 16:15                              | 14          | 11                       | 25                       | 2                        | 14.5       | 69        | 4.4         | 204       | 7            |
| 21/05/24 16:20                              | 4           | 7                        | 10                       | 2                        | 14.5       | 67        | 4.5         | 202       | 4            |
| 21/05/24 16:25                              | 26          | 20                       | 46                       | 2                        | 14.6       | 67        | 4.0         | 199       | 6            |
| 21/05/24 16:30                              | 20          | 15                       | 35                       | 2                        | 14.5       | 69        | 4.7         | 206       | 6            |
| 21/05/24 16:35                              | 1           | 3                        | 4                        | 2                        | 14.4       | 69        | 5.0         | 212       | 4            |
| 21/05/24 16:40                              | 0           | 2                        | 2                        | 2                        | 14.4       | 70        | 5.0         | 214       | 3            |
| 21/05/24 16:45                              | 0           | 8                        | 9                        | 2                        | 14.3       | 68        | 4.4         | 216       | 4            |
| 21/05/24 16:50                              | 0           | 3                        | 3                        | 2                        | 14.3       | 68        | 4.3         | 215       | 3            |
| 21/05/24 16:55                              | 0           | 1                        | 2                        | 2                        | 14.2       | 68        | 4.4         | 214       | 6            |
| 21/05/24 17:00                              | 0           | 1                        | 2                        | 2                        | 14.4       | 67        | 4.5         | 216       | 5            |
| 21/05/24 17:05                              | 0           | 2                        | 2                        | 2                        | 14.3       | 69        | 4.3         | 212       | 4            |
| 21/05/24 17:10                              | 0           | 1                        | 2                        | 2                        | 14.2       | 68        | 4.4         | 214       | 4            |
| 21/05/24 17:15                              | 0           | 1                        | 1                        | 2                        | 14.3       | 70        | 4.4         | 211       | 3            |
| 21/05/24 17:20                              | 0           | 1                        | 2                        | 2                        | 14.2       | 72        | 4.5         | 203       | 6            |
| 21/05/24 17:25                              | 0           | 1                        | 2                        | 2                        | 14.1       | 70        | 4.3         | 204       | 6            |
| 21/05/24 17:30                              | 0           | 1                        | 1                        | 2                        | 14.1       | 70        | 3.8         | 199       | 8            |
| 21/05/24 17:35                              | 0           | 1                        | 1                        | 2                        | 14.0       | 68        | 3.7         | 199       | 8            |
| 21/05/24 17:40                              | 0           | 1                        | 1                        | 2                        | 14.0       | 73        | 4.3         | 209       | 5            |
| 21/05/24 17:45                              | 0           | 1                        | 1                        | 2                        | 14.0       | 70        | 4.1         | 203       | 9            |
| 21/05/24 17:50                              | 0           | 1                        | 1                        | 2                        | 14.0       | 70        | 4.0         | 200       | 6            |
| 21/05/24 17:55                              | 0           | 1                        | 1                        | 2                        | 13.7       | 69        | 3.6         | 198       | 8            |
| 21/05/24 18:00                              | 1           | 2                        | 2                        | 2                        | 13.9       | 71        | 4.4         | 201       | 5            |
| 21/05/24 18:05                              | 1           | 2                        | 2                        | 2                        | 13.9       | 71        | 4.4         | 202       | 6            |
| 21/05/24 18:10                              | 0           | 1                        | 2                        | 2                        | 13.9       | 69        | 4.6         | 203       | 5            |
| 21/05/24 18:15                              | 1           | 3                        | 4                        | 2                        | 13.9       | 70        | 4.0         | 204       | 4            |
| 21/05/24 18:20                              | 0           | 2                        | 2                        | 2                        | 13.9       | 70        | 3.4         | 203       | 7            |
| 21/05/24 18:25                              | 0           | 2                        | 2                        | 2                        | 13.7       | 68        | 3.0         | 196       | 8            |
| 21/05/24 18:30                              | 0           | 1                        | 1                        | 2                        | 13.7       | 67        | 2.9         | 195       | 10           |
| 21/05/24 18:35                              | 0           | 1                        | 1                        | 2                        | 13.6       | 67        | 2.8         | 195       | 10           |
| 21/05/24 18:40                              | 0           | 1                        | 1                        | 2                        | 13.6       | 67        | 3.1         | 192       | 6            |
| 21/05/24 18:45                              | 0           | 1                        | 1                        | 2                        | 13.6       | 69        | 3.0         | 195       | 8            |
| 21/05/24 18:50                              | 0           | 2                        | 2                        | 2                        | 13.6       | 70        | 3.2         | 192       | 7            |
| 21/05/24 18:55                              | 0           | 2                        | 2                        | 2                        | 13.6       | 72        | 3.3         | 194       | 7            |
| 21/05/24 19:00                              | 0           | 2                        | 2                        | 2                        | 13.6       | 74        | 3.2         | 200       | 7            |
| 21/05/24 19:05                              | 0           | 1                        | 1                        | 2                        | 13.8       | 74        | 3.0         | 199       | 9            |
| 21/05/24 19:10                              | 0           | 1                        | 1                        | 2                        | 13.7       | 72        | 2.9         | 191       | 9            |
| 21/05/24 19:15                              | 0           | 1                        | 1                        | 2                        | 13.6       | 74        | 2.4         | 195       | 9            |
| 21/05/24 19:20                              | 0           | 1                        | 1                        | 2                        | 13.7       | 74        | 3.2         | 193       | 7            |
| 21/05/24 19:25                              | 0           | 1                        | 1                        | 2                        | 13.7       | 77        | 3.4         | 209       | 10           |
| 21/05/24 19:30                              | 0           | 1                        | 1                        | 2                        | 14.0       | 79        | 3.8         | 216       | 4            |
| 21/05/24 19:35                              | 0           | 6                        | 6                        | 2                        | 14.0       | 77        | 3.5         | 221       | 10           |
| 21/05/24 19:40                              | 1           | 5                        | 6                        | 2                        | 13.9       | 75        | 3.2         | 189       | 8            |
| 21/05/24 19:45                              | 1           | 5                        | 5                        | 2                        | 13.9       | 73        | 2.6         | 184       | 10           |
| 21/05/24 19:50                              | 1           | 7                        | 7                        | 2                        | 13.8       | 70        | 2.7         | 191       | 9            |
| 21/05/24 19:55                              | 0           | 3                        | 3                        | 2                        | 13.9       | 69        | 2.7         | 192       | 7            |
| 21/05/24 20:00                              | 0           | 2                        | 2                        | 2                        | 13.8       | 69        | 2.6         | 190       | 9            |
| 21/05/24 20:05                              | 0           | 3                        | 3                        | 2                        | 13.7       | 69        | 2.5         | 189       | 7            |
| 21/05/24 20:10                              | 0           | 2                        | 3                        | 2                        | 13.8       | 70        | 2.6         | 191       | 7            |
| 21/05/24 20:15                              | 0           | 2                        | 3                        | 2                        | 13.9       | 72        | 2.6         | 188       | 9            |
| 21/05/24 20:20                              | 0           | 2                        | 2                        | 2                        | 13.9       | 75        | 3.0         | 193       | 8            |
| 21/05/24 20:25                              | 0           | 2                        | 2                        | 2                        | 14.0       | 76        | 3.2         | 196       | 9            |
| 21/05/24 20:30                              | 0           | 2                        | 2                        | 2                        | 13.9       | 77        | 3.6         | 197       | 9            |
| 21/05/24 20:35                              | 0           | 1                        | 2                        | 2                        | 14.0       | 75        | 3.7         | 195       | 7            |
| 21/05/24 20:40                              | 0           | 2                        | 2                        | 2                        | 14.0       | 77        | 4.3         | 201       | 8            |
| 21/05/24 20:45                              | 0           | 2                        | 2                        | 2                        | 14.0       | 79        | 4.1         | 203       | 9            |
| 21/05/24 20:50                              | 0           | 2                        | 2                        | 2                        | 14.1       | 78        | 3.4         | 196       | 7            |
| 21/05/24 20:55                              | 0           | 2                        | 2                        | 2                        | 14.1       | 78        | 3.6         | 201       | 7            |
| 21/05/24 21:00                              | 0           | 2                        | 2                        | 2                        | 14.1       | 78        | 3.8         | 207       | 6            |
| 21/05/24 21:05                              | 0           | 2                        | 2                        | 2                        | 14.2       | 80        | 3.5         | 209       | 6            |
| 21/05/24 21:10                              | 0           | 2                        | 2                        | 2                        | 14.2       | 75        | 3.5         | 195       | 8            |
| 21/05/24 21:15                              | 0           | 3                        | 4                        | 2                        | 14.1       | 74        | 1.7         | 116       | 27           |
| 21/05/24 21:20                              | 0           | 10                       | 11                       | 2                        | 13.8       | 74        | 1.8         | 101       | 9            |
| 21/05/24 21:25                              | 0           | 14                       | 14                       | 2                        | 13.5       | 75        | 1.5         | 95        | 7            |
| 21/05/24 21:30                              | 0           | 16                       | 16                       | 2                        | 13.4       | 74        | 1.4         | 94        | 8            |
| 21/05/24 21:35                              | 1           | 17                       | 18                       | 2                        | 13.1       | 74        | 1.4         | 95        | 8            |
| 21/05/24 21:40                              | 1           | 19                       | 20                       | 2                        | 13.0       | 74        | 1.4         | 91        | 7            |
| 21/05/24 21:45                              | 1           | 20                       | 21                       | 2                        | 12.8       | 74        | 1.5         | 91        | 6            |
| 21/05/24 21:50                              | 2           | 22                       | 24                       | 2                        | 12.8       | 75        | 1.3         | 87        | 7            |
| 21/05/24 21:55                              | 2           | 23                       | 25                       | 2                        | 12.7       | 75        | 1.4         | 85        | 10           |
| 21/05/24 22:00                              | 2           | 23                       | 25                       | 2                        | 12.6       | 75        | 1.3         | 94        | 10           |
| 21/05/24 22:05                              | 3           | 24                       | 27                       | 2                        | 12.7       | 75        | 1.4         | 93        | 5            |
| 21/05/24 22:10                              | 4           | 25                       | 30                       | 2                        | 12.7       | 75        | 1.4         | 83        | 8            |
| 21/05/24 22:15                              | 6           | 27                       | 33                       | 2                        | 12.7       | 75        | 1.2         | 83        | 11           |
| 21/05/24 22:20                              | 7           | 28                       | 35                       | 2                        | 12.6       | 75        | 1.1         | 78        | 12           |
| 21/05/24 22:25                              | 10          | 26                       | 35                       | 2                        | 12.5       | 76        | 1.0         | 81        | 12           |
| 21/05/24 22:30                              | 11          | 25                       | 36                       | 2                        | 12.5       | 76        | 1.0         | 74        | 19           |
| 21/05/24 22:35                              | 11          | 25                       | 37                       | 2                        | 12.5       | 76        | 1.0         | 46        | 10           |
| 21/05/24 22:40                              | 13          | 25                       | 38                       | 2                        | 12.4       | 77        | 1.3         | 54        | 10           |
| 21/05/24 22:45                              | 14          | 25                       | 39                       | 2                        | 12.3       | 77        | 1.5         | 48        | 9            |
| 21/05/24 22:50                              | 17          | 25                       | 41                       | 2                        | 12.2       | 78        | 1.3         | 44        | 7            |
| 21/05/24 22:55                              | 17          | 26                       | 43                       | 2                        | 12.0       | 78        | 1.5         | 41        | 7            |
| 21/05/24 23:00                              | 19          | 25                       | 44                       | 2                        | 12.0       | 79        | 1.4         | 31        | 7            |
| 21/05/24 23:05                              | 18          | 28                       | 46                       | 2                        | 11.8       | 80        | 1.5         | 38        | 6            |
| 21/05/24 23:10                              | 29          | 26                       | 54                       | 2                        | 11.7       | 81        | 1.6         | 6         | 13           |
| 21/05/24 23:15                              | 66          | 31                       | 96                       | 2                        | 11.8       | 82        | 1.8         | 353       | 11           |
| 21/05/24 23:20                              | 77          | 28                       | 104                      | 2                        | 12.0       | 82        | 1.6         | 343       | 13           |
| 21/05/24 23:25                              | 102         | 31                       | 133                      | 2                        | 11.8       | 82        | 2.0         | 348       | 13           |
| 21/05/24 23:30                              | 89          | 33                       | 122                      | 2                        | 11.8       | 82        | 1.9         | 348       | 14           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 21/05/24 23:35 | 71          | 28                       | 99                       | 3                        | 11.8       | 82        | 1.7         | 347       | 12           |
| 21/05/24 23:40 | 58          | 28                       | 86                       | 2                        | 11.7       | 82        | 1.4         | 339       | 13           |
| 21/05/24 23:45 | 56          | 28                       | 85                       | 3                        | 11.6       | 82        | 1.2         | 341       | 18           |
| 21/05/24 23:50 | 61          | 28                       | 89                       |                          | 11.4       | 83        | 0.9         | 348       | 19           |
| 21/05/24 23:55 | 67          | 26                       | 93                       |                          | 11.4       | 84        | 1.4         | 344       | 14           |
| 22/05/24 00:00 | 73          | 28                       | 101                      | 3                        | 11.4       | 85        | 1.5         | 298       | 17           |
| 22/05/24 00:05 | 76          | 29                       | 105                      | 2                        | 11.5       | 86        | 1.7         | 288       | 15           |
| 22/05/24 00:10 | 56          | 29                       | 85                       | 2                        | 11.5       | 84        | 1.3         | 298       | 16           |
| 22/05/24 00:15 | 54          | 27                       | 80                       | 2                        | 11.5       | 83        | 1.1         | 313       | 9            |
| 22/05/24 00:20 | 52          | 27                       | 79                       | 2                        | 11.4       | 83        | 1.0         | 325       | 17           |
| 22/05/24 00:25 | 53          | 25                       | 78                       | 2                        | 11.3       | 83        | 0.9         | 3         | 21           |
| 22/05/24 00:30 | 64          | 22                       | 86                       | 2                        | 11.1       | 85        | 1.4         | 9         | 10           |
| 22/05/24 00:35 | 57          | 26                       | 83                       | 1                        | 10.9       | 85        | 1.3         | 355       | 11           |
| 22/05/24 00:40 | 50          | 26                       | 76                       | 1                        | 10.8       | 85        | 1.0         | 335       | 12           |
| 22/05/24 00:45 | 44          | 26                       | 71                       | 1                        | 10.9       | 84        | 1.3         | 351       | 19           |
| 22/05/24 00:50 | 45          | 26                       | 71                       | 2                        | 10.9       | 84        | 1.5         | 8         | 11           |
| 22/05/24 00:55 | 58          | 20                       | 78                       | 1                        | 10.7       | 86        | 1.2         | 29        | 10           |
| 22/05/24 01:00 | 67          | 24                       | 91                       | 1                        | 10.5       | 87        | 1.4         | 23        | 11           |
| 22/05/24 01:05 |             |                          |                          |                          | 10.3       | 88        | 1.9         | 3         | 5            |
| 22/05/24 01:10 |             |                          |                          |                          | 10.2       | 88        | 1.5         | 1         | 10           |
| 22/05/24 01:15 |             |                          |                          |                          | 10.4       | 87        | 1.4         | 359       | 13           |
| 22/05/24 01:20 |             |                          |                          |                          | 10.1       | 88        | 1.7         | 1         | 9            |
| 22/05/24 01:25 |             |                          |                          |                          | 10.2       | 88        | 1.5         | 334       | 16           |
| 22/05/24 01:30 |             |                          |                          |                          | 10.3       | 87        | 1.5         | 354       | 18           |
| 22/05/24 01:35 |             |                          |                          |                          | 10.1       | 88        | 1.4         | 12        | 13           |
| 22/05/24 01:40 |             |                          |                          |                          | 9.8        | 89        | 1.5         | 8         | 14           |
| 22/05/24 01:45 |             |                          |                          |                          | 9.7        | 89        | 1.4         | 4         | 12           |
| 22/05/24 01:50 |             |                          |                          |                          | 9.7        | 89        | 1.3         | 359       | 15           |
| 22/05/24 01:55 |             |                          |                          |                          | 9.6        | 89        | 1.0         | 16        | 21           |
| 22/05/24 02:00 |             |                          |                          |                          | 9.4        | 90        | 1.2         | 60        | 11           |
| 22/05/24 02:05 | 67          | 18                       | 86                       | 2                        | 9.0        | 90        | 1.3         | 59        | 6            |
| 22/05/24 02:10 | 64          | 16                       | 80                       | 2                        | 8.9        | 89        | 1.5         | 54        | 7            |
| 22/05/24 02:15 | 61          | 17                       | 78                       | 1                        | 8.8        | 89        | 1.2         | 37        | 9            |
| 22/05/24 02:20 | 60          | 18                       | 78                       | 1                        | 8.7        | 90        | 1.1         | 36        | 11           |
| 22/05/24 02:25 | 60          | 18                       | 79                       | 1                        | 8.7        | 90        | 0.8         | 22        | 13           |
| 22/05/24 02:30 | 59          | 19                       | 78                       | 2                        | 8.6        | 91        | 1.2         | 352       | 15           |
| 22/05/24 02:35 | 57          | 19                       | 77                       | 1                        | 8.9        | 91        | 1.2         | 346       | 19           |
| 22/05/24 02:40 | 56          | 20                       | 76                       | 1                        | 9.0        | 90        | 1.2         | 4         | 19           |
| 22/05/24 02:45 | 57          | 19                       | 76                       | 1                        | 8.9        | 90        | 0.8         | 22        | 16           |
| 22/05/24 02:50 | 59          | 18                       | 77                       | 1                        | 8.7        | 91        | 1.0         | 4         | 13           |
| 22/05/24 02:55 | 59          | 19                       | 78                       | 2                        | 8.6        | 92        | 1.0         | 352       | 20           |
| 22/05/24 03:00 | 59          | 19                       | 78                       | 2                        | 8.7        | 91        | 0.8         | 23        | 19           |
| 22/05/24 03:05 | 59          | 19                       | 78                       | 2                        | 8.5        | 91        | 0.8         | 42        | 9            |
| 22/05/24 03:10 | 58          | 19                       | 77                       | 1                        | 8.3        | 91        | 1.1         | 45        | 6            |
| 22/05/24 03:15 | 54          | 19                       | 73                       | 1                        | 8.1        | 91        | 1.2         | 38        | 8            |
| 22/05/24 03:20 | 47          | 20                       | 68                       | 1                        | 8.2        | 91        | 1.2         | 35        | 9            |
| 22/05/24 03:25 | 46          | 18                       | 64                       | 1                        | 8.1        | 91        | 1.5         | 31        | 6            |
| 22/05/24 03:30 | 46          | 17                       | 63                       | 1                        | 8.1        | 91        | 1.0         | 33        | 8            |
| 22/05/24 03:35 | 45          | 17                       | 62                       | 1                        | 8.1        | 91        | 1.3         | 32        | 7            |
| 22/05/24 03:40 | 45          | 17                       | 62                       | 1                        | 8.1        | 91        | 1.0         | 20        | 13           |
| 22/05/24 03:45 | 45          | 17                       | 62                       | 1                        | 8.1        | 91        | 1.3         | 18        | 10           |
| 22/05/24 03:50 | 45          | 17                       | 61                       | 1                        | 8.1        | 92        | 1.2         | 352       | 11           |
| 22/05/24 03:55 | 44          | 17                       | 61                       | 1                        | 8.1        | 91        | 1.3         | 13        | 15           |
| 22/05/24 04:00 | 44          | 17                       | 61                       | 1                        | 8.0        | 91        | 1.4         | 17        | 7            |
| 22/05/24 04:05 | 43          | 17                       | 60                       | 1                        | 7.9        | 91        | 1.6         | 35        | 8            |
| 22/05/24 04:10 | 40          | 17                       | 57                       | 1                        | 7.8        | 91        | 1.5         | 39        | 7            |
| 22/05/24 04:15 | 35          | 17                       | 51                       | 1                        | 7.9        | 91        | 1.8         | 37        | 5            |
| 22/05/24 04:20 | 31          | 15                       | 46                       | 1                        | 7.8        | 91        | 1.9         | 36        | 6            |
| 22/05/24 04:25 | 27          | 15                       | 42                       | 1                        | 7.7        | 91        | 1.9         | 37        | 5            |
| 22/05/24 04:30 | 27          | 14                       | 41                       | 1                        | 7.6        | 91        | 1.7         | 40        | 6            |
| 22/05/24 04:35 | 27          | 15                       | 42                       | 1                        | 7.5        | 92        | 1.7         | 36        | 7            |
| 22/05/24 04:40 | 27          | 15                       | 41                       | 1                        | 7.6        | 91        | 1.8         | 35        | 6            |
| 22/05/24 04:45 | 26          | 14                       | 40                       | 1                        | 7.6        | 91        | 1.9         | 36        | 6            |
| 22/05/24 04:50 | 27          | 15                       | 42                       | 1                        | 7.6        | 91        | 1.8         | 41        | 6            |
| 22/05/24 04:55 | 27          | 14                       | 41                       | 1                        | 7.5        | 91        | 1.8         | 36        | 7            |
| 22/05/24 05:00 | 23          | 14                       | 36                       | 1                        | 7.6        | 91        | 2.0         | 33        | 5            |
| 22/05/24 05:05 | 23          | 13                       | 36                       | 1                        | 7.6        | 91        | 2.0         | 35        | 6            |
| 22/05/24 05:10 | 23          | 13                       | 37                       | 1                        | 7.6        | 91        | 1.9         | 29        | 6            |
| 22/05/24 05:15 | 24          | 13                       | 37                       | 1                        | 7.6        | 91        | 1.6         | 26        | 7            |
| 22/05/24 05:20 | 24          | 13                       | 38                       | 1                        | 7.6        | 91        | 1.8         | 31        | 5            |
| 22/05/24 05:25 | 25          | 14                       | 39                       | 1                        | 7.6        | 91        | 1.9         | 32        | 6            |
| 22/05/24 05:30 | 26          | 14                       | 40                       | 1                        | 7.6        | 91        | 2.0         | 33        | 6            |
| 22/05/24 05:35 | 27          | 14                       | 41                       | 1                        | 7.5        | 91        | 1.9         | 33        | 6            |
| 22/05/24 05:40 | 28          | 14                       | 42                       | 1                        | 7.5        | 91        | 1.8         | 39        | 6            |
| 22/05/24 05:45 | 28          | 14                       | 43                       | 1                        | 7.4        | 91        | 1.9         | 44        | 6            |
| 22/05/24 05:50 | 28          | 14                       | 42                       | 1                        | 7.4        | 91        | 1.7         | 43        | 6            |
| 22/05/24 05:55 | 28          | 15                       | 42                       | 1                        | 7.4        | 91        | 1.1         | 36        | 12           |
| 22/05/24 06:00 | 27          | 15                       | 42                       | 1                        | 7.4        | 91        | 1.1         | 26        | 16           |
| 22/05/24 06:05 | 26          | 15                       | 41                       | 1                        | 7.4        | 91        | 1.6         | 29        | 6            |
| 22/05/24 06:10 | 25          | 15                       | 39                       | 1                        | 7.4        | 91        | 1.3         | 23        | 9            |
| 22/05/24 06:15 | 25          | 15                       | 40                       | 1                        | 7.3        | 91        | 1.1         | 21        | 12           |
| 22/05/24 06:20 | 50          | 23                       | 74                       | 1                        | 7.3        | 92        | 1.5         | 349       | 20           |
| 22/05/24 06:25 | 78          | 21                       | 99                       | 1                        | 7.5        | 92        | 1.2         | 349       | 22           |
| 22/05/24 06:30 | 67          | 23                       | 90                       | 1                        | 7.4        | 91        | 1.3         | 359       | 15           |
| 22/05/24 06:35 | 77          | 20                       | 97                       | 1                        | 7.3        | 92        | 1.3         | 21        | 12           |
| 22/05/24 06:40 | 84          | 23                       | 107                      | 2                        | 7.1        | 92        | 1.3         | 33        | 8            |
| 22/05/24 06:45 | 85          | 24                       | 108                      | 2                        | 7.2        | 93        | 1.5         | 33        | 6            |
| 22/05/24 06:50 | 78          | 22                       | 100                      | 2                        | 7.2        | 93        | 1.6         | 24        | 7            |
| 22/05/24 06:55 | 75          | 21                       | 96                       | 2                        | 7.3        | 92        | 1.4         | 32        | 8            |
| 22/05/24 07:00 | 77          | 21                       | 98                       | 2                        | 7.4        | 92        | 1.6         | 29        | 8            |
| 22/05/24 07:05 | 82          | 22                       | 104                      | 2                        | 7.4        | 91        | 1.6         | 32        | 8            |
| 22/05/24 07:10 | 87          | 21                       | 108                      | 2                        | 7.4        | 91        | 1.5         | 35        | 8            |
| 22/05/24 07:15 | 88          | 21                       | 110                      | 2                        | 7.4        | 91        | 1.4         | 43        | 6            |
| 22/05/24 07:20 | 82          | 22                       | 105                      | 2                        | 7.4        | 91        | 1.4         | 39        | 9            |
| 22/05/24 07:25 | 81          | 21                       | 102                      | 2                        | 7.6        | 91        | 1.3         | 27        | 10           |
| 22/05/24 07:30 | 84          | 20                       | 105                      | 2                        | 7.6        | 90        | 1.5         | 35        | 6            |
| 22/05/24 07:35 | 91          | 21                       | 111                      | 2                        | 7.6        | 90        | 1.1         | 27        | 10           |
| 22/05/24 07:40 | 92          | 22                       | 114                      | 2                        | 7.7        | 90        | 1.1         | 13        | 16           |
| 22/05/24 07:45 | 102         | 26                       | 128                      | 2                        | 7.9        | 90        | 1.3         | 30        | 7            |
| 22/05/24 07:50 | 113         | 26                       | 139                      | 2                        | 7.8        | 90        | 1.4         | 31        | 6            |
| 22/05/24 07:55 | 118         | 24                       | 142                      | 2                        | 7.9        | 89        | 1.3         | 41        | 6            |
| 22/05/24 08:00 | 98          | 27                       | 124                      | 2                        | 8.0        | 89        | 1.7         | 54        | 8            |
| 22/05/24 08:05 | 93          | 21                       | 114                      | 2                        | 8.2        | 88        | 0.6         | 70        | 18           |
| 22/05/24 08:10 | 87          | 20                       | 107                      | 2                        | 8.4        | 86        | 1.1         | 45        | 7            |
| 22/05/24 08:15 | 74          | 20                       | 94                       | 2                        | 8.5        | 84        | 1.4         | 41        | 10           |
| 22/05/24 08:20 | 77          | 18                       | 95                       | 2                        | 8.6        | 83        | 1.3         | 35        | 9            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 22/05/24 08:25 | 90          | 17                       | 107                      | 2                        | 8.7        | 83        | 1.0         | 29        | 15           |
| 22/05/24 08:30 | 104         | 25                       | 128                      | 2                        | 9.1        | 81        | 1.4         | 38        | 6            |
| 22/05/24 08:35 | 105         | 23                       | 128                      | 2                        | 9.2        | 81        | 1.5         | 44        | 9            |
| 22/05/24 08:40 | 114         | 18                       | 132                      | 2                        | 9.4        | 80        | 1.7         | 44        | 10           |
| 22/05/24 08:45 | 119         | 19                       | 138                      | 2                        | 9.5        | 79        | 1.7         | 51        | 10           |
| 22/05/24 08:50 | 113         | 20                       | 133                      | 2                        | 9.6        | 78        | 1.8         | 53        | 13           |
| 22/05/24 08:55 | 105         | 21                       | 126                      | 2                        | 9.8        | 78        | 1.7         | 51        | 11           |
| 22/05/24 09:00 | 105         | 22                       | 127                      | 2                        | 9.9        | 77        | 1.4         | 47        | 14           |
| 22/05/24 09:05 | 110         | 23                       | 133                      | 2                        | 10.4       | 76        | 1.1         | 34        | 15           |
| 22/05/24 09:10 | 120         | 28                       | 147                      | 2                        | 10.7       | 75        | 1.1         | 39        | 10           |
| 22/05/24 09:15 | 119         | 27                       | 145                      | 2                        | 11.0       | 74        | 1.0         | 45        | 13           |
| 22/05/24 09:20 | 117         | 27                       | 144                      | 2                        | 11.3       | 73        | 0.9         | 24        | 26           |
| 22/05/24 09:25 | 113         | 26                       | 139                      | 2                        | 11.7       | 75        | 1.2         | 22        | 24           |
| 22/05/24 09:30 | 95          | 25                       | 119                      | 2                        | 12.0       | 75        | 0.7         | 13        | 36           |
| 22/05/24 09:35 | 96          | 26                       | 122                      | 2                        | 12.1       | 73        | 0.9         | 11        | 29           |
| 22/05/24 09:40 | 103         | 28                       | 130                      | 2                        | 12.2       | 74        | 0.8         | 328       | 46           |
| 22/05/24 09:45 | 98          | 27                       | 126                      | 2                        | 12.0       | 76        | 1.2         | 337       | 21           |
| 22/05/24 09:50 | 87          | 30                       | 117                      | 2                        | 12.1       | 75        | 1.2         | 332       | 18           |
| 22/05/24 09:55 | 82          | 30                       | 112                      | 2                        | 12.0       | 76        | 1.3         | 349       | 23           |
| 22/05/24 10:00 | 84          | 29                       | 113                      | 2                        | 12.4       | 75        | 1.2         | 15        | 19           |
| 22/05/24 10:05 | 87          | 25                       | 111                      | 2                        | 12.7       | 74        | 0.8         | 352       | 39           |
| 22/05/24 10:10 | 73          | 25                       | 99                       | 2                        | 13.0       | 74        | 0.7         | 5         | 39           |
| 22/05/24 10:15 | 57          | 26                       | 83                       | 2                        | 13.1       | 73        | 1.2         | 325       | 23           |
| 22/05/24 10:20 | 56          | 25                       | 81                       | 2                        | 13.2       | 73        | 0.9         | 348       | 21           |
| 22/05/24 10:25 | 61          | 27                       | 88                       | 2                        | 13.6       | 72        | 0.4         | 285       | 69           |
| 22/05/24 10:30 | 55          | 28                       | 83                       | 2                        | 13.5       | 73        | 1.4         | 272       | 18           |
| 22/05/24 10:35 | 42          | 26                       | 68                       | 2                        | 13.3       | 75        | 1.3         | 286       | 16           |
| 22/05/24 10:40 | 54          | 26                       | 80                       | 2                        | 13.1       | 75        | 0.9         | 261       | 22           |
| 22/05/24 10:45 | 67          | 32                       | 99                       | 2                        | 13.2       | 74        | 1.2         | 224       | 10           |
| 22/05/24 10:50 | 80          | 30                       | 111                      | 2                        | 13.3       | 73        | 1.1         | 218       | 8            |
| 22/05/24 10:55 | 82          | 33                       | 115                      | 2                        | 13.7       | 72        | 0.8         | 208       | 8            |
| 22/05/24 11:00 | 82          | 32                       | 115                      | 2                        | 14.2       | 69        | 0.9         | 208       | 11           |
| 22/05/24 11:05 | 83          | 33                       | 116                      | 2                        | 14.1       | 70        | 1.1         | 198       | 7            |
| 22/05/24 11:10 | 84          | 33                       | 118                      | 2                        | 14.2       | 70        | 0.8         | 201       | 11           |
| 22/05/24 11:15 | 85          | 33                       | 119                      | 2                        | 14.9       | 69        | 0.4         | 138       | 45           |
| 22/05/24 11:20 | 85          | 33                       | 118                      | 2                        | 15.4       | 67        | 0.7         | 142       | 22           |
| 22/05/24 11:25 | 84          | 33                       | 117                      | 2                        | 15.4       | 67        | 1.0         | 122       | 17           |
| 22/05/24 11:30 | 81          | 32                       | 114                      | 2                        | 14.8       | 69        | 0.8         | 137       | 13           |
| 22/05/24 11:35 | 79          | 32                       | 112                      | 3                        | 15.3       | 68        | 0.8         | 147       | 19           |
| 22/05/24 11:40 | 76          | 33                       | 109                      | 3                        | 15.7       | 66        | 0.8         | 155       | 21           |
| 22/05/24 11:45 | 75          | 32                       | 108                      | 3                        | 15.8       | 66        | 0.9         | 158       | 23           |
| 22/05/24 11:50 | 75          | 33                       | 108                      | 3                        | 15.9       | 66        | 0.9         | 153       | 28           |
| 22/05/24 11:55 | 75          | 33                       | 107                      | 3                        | 16.0       | 66        | 1.0         | 153       | 26           |
| 22/05/24 12:00 | 73          | 33                       | 106                      | 3                        | 15.7       | 67        | 1.2         | 145       | 18           |
| 22/05/24 12:05 | 72          | 32                       | 104                      | 3                        | 15.1       | 70        | 1.1         | 133       | 18           |
| 22/05/24 12:10 | 68          | 35                       | 103                      | 2                        | 14.7       | 73        | 1.0         | 124       | 15           |
| 22/05/24 12:15 | 65          | 36                       | 101                      | 3                        | 14.7       | 74        | 0.7         | 137       | 26           |
| 22/05/24 12:20 | 64          | 35                       | 99                       | 2                        | 15.2       | 71        | 1.1         | 150       | 18           |
| 22/05/24 12:25 | 62          | 33                       | 95                       | 2                        | 15.1       | 71        | 1.0         | 149       | 19           |
| 22/05/24 12:30 | 66          | 34                       | 100                      | 2                        | 14.7       | 72        | 1.1         | 147       | 14           |
| 22/05/24 12:35 | 61          | 32                       | 93                       | 2                        | 14.7       | 73        | 1.0         | 138       | 18           |
| 22/05/24 12:40 | 66          | 35                       | 100                      | 2                        | 14.6       | 74        | 0.9         | 139       | 18           |
| 22/05/24 12:45 | 56          | 32                       | 87                       | 2                        | 14.8       | 75        | 0.9         | 140       | 24           |
| 22/05/24 12:50 | 58          | 32                       | 90                       | 2                        | 15.4       | 73        | 0.8         | 143       | 21           |
| 22/05/24 12:55 | 74          | 33                       | 107                      | 2                        | 15.8       | 71        | 0.7         | 145       | 33           |
| 22/05/24 13:00 | 63          | 36                       | 99                       | 3                        | 16.1       | 70        | 1.1         | 159       | 20           |
| 22/05/24 13:05 | 59          | 32                       | 91                       | 3                        | 16.0       | 71        | 1.6         | 163       | 17           |
| 22/05/24 13:10 | 59          | 31                       | 90                       | 3                        | 15.9       | 71        | 1.6         | 162       | 17           |
| 22/05/24 13:15 | 61          | 31                       | 92                       | 3                        | 16.1       | 70        | 1.7         | 162       | 19           |
| 22/05/24 13:20 | 61          | 32                       | 93                       | 2                        | 16.3       | 69        | 1.4         | 162       | 23           |
| 22/05/24 13:25 | 60          | 32                       | 93                       | 2                        | 16.4       | 68        | 0.8         | 168       | 37           |
| 22/05/24 13:30 | 54          | 36                       | 90                       | 2                        | 16.8       | 67        | 0.9         | 164       | 31           |
| 22/05/24 13:35 | 42          | 35                       | 77                       | 3                        | 17.0       | 66        | 1.2         | 166       | 30           |
| 22/05/24 13:40 | 42          | 28                       | 71                       | 3                        | 17.2       | 65        | 1.1         | 166       | 33           |
| 22/05/24 13:45 | 43          | 31                       | 73                       | 2                        | 17.4       | 64        | 1.0         | 158       | 37           |
| 22/05/24 13:50 | 45          | 25                       | 71                       | 3                        | 17.4       | 64        | 1.1         | 152       | 32           |
| 22/05/24 13:55 | 42          | 29                       | 71                       | 3                        | 17.4       | 66        | 1.4         | 156       | 27           |
| 22/05/24 14:00 | 29          | 25                       | 54                       | 3                        | 17.2       | 66        | 1.3         | 168       | 25           |
| 22/05/24 14:05 | 23          | 22                       | 45                       | 3                        | 17.2       | 67        | 1.4         | 164       | 25           |
| 22/05/24 14:10 | 31          | 23                       | 55                       | 3                        | 17.2       | 66        | 0.9         | 162       | 34           |
| 22/05/24 14:15 | 39          | 27                       | 67                       | 3                        | 17.4       | 65        | 1.2         | 161       | 25           |
| 22/05/24 14:20 | 33          | 24                       | 57                       | 3                        | 17.4       | 65        | 1.3         | 161       | 27           |
| 22/05/24 14:25 | 26          | 21                       | 47                       | 3                        | 17.4       | 65        | 0.7         | 172       | 33           |
| 22/05/24 14:30 | 30          | 21                       | 51                       | 3                        | 17.7       | 64        | 1.0         | 166       | 24           |
| 22/05/24 14:35 | 25          | 21                       | 46                       | 3                        | 17.9       | 64        | 0.9         | 165       | 30           |
| 22/05/24 14:40 | 18          | 19                       | 38                       | 3                        | 18.0       | 63        | 1.2         | 168       | 22           |
| 22/05/24 14:45 | 8           | 12                       | 21                       | 3                        | 17.7       | 65        | 1.2         | 161       | 22           |
| 22/05/24 14:50 | 8           | 11                       | 19                       | 3                        | 18.0       | 64        | 0.7         | 161       | 34           |
| 22/05/24 14:55 | 7           | 12                       | 19                       | 3                        | 18.3       | 64        | 0.6         | 148       | 27           |
| 22/05/24 15:00 | 7           | 11                       | 18                       | 3                        | 18.2       | 63        | 1.0         | 164       | 26           |
| 22/05/24 15:05 | 3           | 6                        | 10                       | 2                        | 18.1       | 63        | 0.9         | 156       | 30           |
| 22/05/24 15:10 | 4           | 10                       | 14                       | 2                        | 18.3       | 62        | 1.0         | 154       | 24           |
| 22/05/24 15:15 | 4           | 10                       | 14                       | 2                        | 18.3       | 62        | 0.9         | 153       | 27           |
| 22/05/24 15:20 | 4           | 8                        | 12                       | 2                        | 18.1       | 63        | 1.3         | 167       | 20           |
| 22/05/24 15:25 | 3           | 7                        | 11                       | 2                        | 17.7       | 64        | 1.0         | 163       | 31           |
| 22/05/24 15:30 | 4           | 8                        | 12                       | 2                        | 17.8       | 65        | 1.1         | 162       | 26           |
| 22/05/24 15:35 | 4           | 9                        | 12                       | 2                        | 17.4       | 65        | 1.4         | 166       | 20           |
| 22/05/24 15:40 | 3           | 8                        | 12                       | 2                        | 17.4       | 66        | 1.0         | 165       | 24           |
| 22/05/24 15:45 | 3           | 8                        | 11                       | 2                        | 17.3       | 66        | 1.5         | 166       | 16           |
| 22/05/24 15:50 | 3           | 8                        | 11                       | 2                        | 17.3       | 67        | 1.0         | 159       | 26           |
| 22/05/24 15:55 | 6           | 14                       | 20                       | 2                        | 17.3       | 67        | 1.2         | 149       | 20           |
| 22/05/24 16:00 | 5           | 11                       | 16                       | 2                        | 17.5       | 67        | 1.0         | 152       | 28           |
| 22/05/24 16:05 | 4           | 11                       | 14                       | 2                        | 17.5       | 67        | 0.9         | 166       | 27           |
| 22/05/24 16:10 | 3           | 10                       | 13                       | 2                        | 17.4       | 67        | 0.9         | 169       | 26           |
| 22/05/24 16:15 | 2           | 9                        | 12                       | 2                        | 17.2       | 68        | 1.0         | 160       | 27           |
| 22/05/24 16:20 | 2           | 9                        | 11                       | 1                        | 16.9       | 70        | 1.3         | 196       | 16           |
| 22/05/24 16:25 | 2           | 10                       | 11                       | 2                        | 16.4       | 72        | 1.2         | 179       | 16           |
| 22/05/24 16:30 | 2           | 9                        | 11                       | 1                        | 16.0       | 74        | 0.9         | 190       | 17           |
| 22/05/24 16:35 | 2           | 10                       | 11                       | 1                        | 15.3       | 79        | 1.6         | 211       | 11           |
| 22/05/24 16:40 | 2           | 13                       | 15                       | 1                        | 15.0       | 82        | 1.5         | 216       | 11           |
| 22/05/24 16:45 | 2           | 19                       | 21                       | 1                        | 14.8       | 83        | 1.6         | 220       | 8            |
| 22/05/24 16:50 | 2           | 10                       | 12                       | 1                        | 14.8       | 84        | 2.0         | 231       | 7            |
| 22/05/24 16:55 | 2           | 8                        | 10                       | 1                        | 14.7       | 85        | 2.1         | 232       | 7            |
| 22/05/24 17:00 | 1           | 7                        | 8                        | 1                        | 14.7       | 86        | 2.3         | 235       | 6            |
| 22/05/24 17:05 | 2           | 12                       | 13                       | 1                        | 14.7       | 86        | 2.2         | 231       | 6            |
| 22/05/24 17:10 | 2           | 4                        | 5                        | 1                        | 14.6       | 87        | 2.3         | 232       | 4            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 22/05/24 17:15 | 1           | 4                        | 6                        | 1                        | 14.7       | 86        | 2.0         | 232       | 6            |
| 22/05/24 17:20 | 1           | 3                        | 4                        | 1                        | 14.6       | 86        | 2.1         | 226       | 4            |
| 22/05/24 17:25 | 1           | 3                        | 4                        | 1                        | 14.5       | 86        | 2.3         | 225       | 4            |
| 22/05/24 17:30 | 1           | 6                        | 7                        | 1                        | 14.5       | 86        | 3.1         | 222       | 6            |
| 22/05/24 17:35 | 1           | 4                        | 5                        | 1                        | 14.7       | 87        | 3.4         | 218       | 6            |
| 22/05/24 17:40 | 1           | 3                        | 3                        | 1                        | 14.6       | 88        | 3.1         | 217       | 5            |
| 22/05/24 17:45 | 0           | 3                        | 3                        | 1                        | 14.6       | 88        | 2.9         | 220       | 5            |
| 22/05/24 17:50 | 0           | 3                        | 3                        | 1                        | 14.7       | 86        | 3.3         | 216       | 4            |
| 22/05/24 17:55 | 0           | 3                        | 3                        | 1                        | 14.6       | 86        | 3.2         | 217       | 4            |
| 22/05/24 18:00 | 0           | 3                        | 3                        | 1                        | 14.7       | 86        | 3.2         | 216       | 3            |
| 22/05/24 18:05 | 0           | 3                        | 3                        | 1                        | 14.7       | 85        | 2.6         | 218       | 4            |
| 22/05/24 18:10 | 1           | 16                       | 17                       | 1                        | 14.7       | 85        | 2.3         | 217       | 6            |
| 22/05/24 18:15 | 5           | 20                       | 25                       | 1                        | 14.7       | 85        | 1.8         | 225       | 7            |
| 22/05/24 18:20 | 0           | 8                        | 8                        | 1                        | 14.7       | 85        | 1.8         | 215       | 5            |
| 22/05/24 18:25 | 1           | 15                       | 16                       | 1                        | 14.7       | 85        | 1.9         | 212       | 5            |
| 22/05/24 18:30 | 3           | 16                       | 19                       | 1                        | 14.7       | 85        | 1.7         | 216       | 8            |
| 22/05/24 18:35 | 0           | 4                        | 4                        | 1                        | 14.7       | 85        | 1.8         | 224       | 6            |
| 22/05/24 18:40 | 0           | 5                        | 5                        | 1                        | 14.7       | 85        | 1.7         | 223       | 7            |
| 22/05/24 18:45 | 0           | 5                        | 5                        | 1                        | 14.6       | 85        | 1.8         | 233       | 6            |
| 22/05/24 18:50 | 0           | 5                        | 5                        | 1                        | 14.7       | 85        | 1.9         | 223       | 10           |
| 22/05/24 18:55 | 0           | 6                        | 6                        | 1                        | 14.7       | 86        | 2.1         | 231       | 11           |
| 22/05/24 19:00 | 0           | 6                        | 6                        | 1                        | 14.7       | 86        | 2.1         | 232       | 8            |
| 22/05/24 19:05 | 0           | 6                        | 6                        | 1                        | 14.7       | 86        | 2.8         | 233       | 6            |
| 22/05/24 19:10 | 0           | 6                        | 6                        | 1                        | 14.7       | 86        | 2.7         | 237       | 7            |
| 22/05/24 19:15 | 0           | 6                        | 6                        | 1                        | 14.7       | 86        | 2.4         | 231       | 11           |
| 22/05/24 19:20 | 0           | 5                        | 5                        | 1                        | 14.7       | 86        | 2.1         | 231       | 9            |
| 22/05/24 19:25 | 0           | 6                        | 6                        | 1                        | 14.7       | 86        | 2.1         | 227       | 7            |
| 22/05/24 19:30 | 0           | 5                        | 5                        | 1                        | 14.8       | 84        | 2.2         | 216       | 8            |
| 22/05/24 19:35 | 0           | 4                        | 4                        | 1                        | 14.7       | 83        | 1.8         | 209       | 11           |
| 22/05/24 19:40 | 0           | 3                        | 4                        | 1                        | 14.8       | 84        | 2.2         | 205       | 9            |
| 22/05/24 19:45 | 0           | 3                        | 3                        | 1                        | 14.9       | 84        | 3.7         | 203       | 8            |
| 22/05/24 19:50 | 0           | 4                        | 4                        | 1                        | 14.9       | 85        | 3.8         | 217       | 7            |
| 22/05/24 19:55 | 0           | 4                        | 5                        | 1                        | 14.8       | 85        | 4.9         | 226       | 5            |
| 22/05/24 20:00 | 0           | 2                        | 2                        | 1                        | 14.6       | 85        | 5.6         | 229       | 4            |
| 22/05/24 20:05 | 0           | 2                        | 2                        | 1                        | 14.5       | 87        | 5.6         | 228       | 4            |
| 22/05/24 20:10 | 0           | 2                        | 2                        | 1                        | 14.5       | 89        | 5.1         | 226       | 6            |
| 22/05/24 20:15 | 0           | 1                        | 1                        | 1                        | 14.3       | 89        | 6.0         | 230       | 4            |
| 22/05/24 20:20 | 0           | 1                        | 1                        | 1                        | 14.2       | 90        | 5.9         | 228       | 5            |
| 22/05/24 20:25 | 0           | 1                        | 1                        | 1                        | 14.3       | 91        | 5.5         | 232       | 4            |
| 22/05/24 20:30 | 0           | 1                        | 1                        | 1                        | 14.3       | 90        | 5.0         | 227       | 4            |
| 22/05/24 20:35 | 0           | 1                        | 1                        | 1                        | 14.3       | 90        | 4.5         | 222       | 5            |
| 22/05/24 20:40 | 0           | 1                        | 1                        | 1                        | 14.4       | 89        | 4.5         | 226       | 4            |
| 22/05/24 20:45 | 0           | 1                        | 1                        | 1                        | 14.5       | 89        | 4.1         | 226       | 4            |
| 22/05/24 20:50 | 0           | 1                        | 1                        | 1                        | 14.5       | 88        | 4.1         | 226       | 5            |
| 22/05/24 20:55 | 0           | 3                        | 3                        | 1                        | 14.5       | 86        | 3.6         | 229       | 5            |
| 22/05/24 21:00 | 0           | 2                        | 2                        | 1                        | 14.5       | 85        | 2.9         | 225       | 6            |
| 22/05/24 21:05 | 0           | 2                        | 2                        | 1                        | 14.5       | 86        | 2.7         | 223       | 5            |
| 22/05/24 21:10 | 0           | 2                        | 2                        | 1                        | 14.6       | 85        | 2.5         | 216       | 6            |
| 22/05/24 21:15 | 0           | 1                        | 2                        | 1                        | 14.6       | 84        | 3.0         | 211       | 5            |
| 22/05/24 21:20 | 0           | 1                        | 1                        | 1                        | 14.7       | 84        | 3.5         | 214       | 4            |
| 22/05/24 21:25 | 0           | 1                        | 1                        | 1                        | 14.5       | 85        | 3.0         | 217       | 5            |
| 22/05/24 21:30 | 0           | 1                        | 1                        | 1                        | 14.6       | 86        | 2.1         | 216       | 7            |
| 22/05/24 21:35 | 0           | 1                        | 1                        | 1                        | 14.4       | 84        | 2.4         | 214       | 6            |
| 22/05/24 21:40 | 0           | 1                        | 1                        | 1                        | 14.6       | 84        | 1.6         | 200       | 6            |
| 22/05/24 21:45 | 0           | 1                        | 1                        | 1                        | 14.6       | 86        | 1.4         | 204       | 10           |
| 22/05/24 21:50 | 0           | 1                        | 1                        | 1                        | 14.6       | 86        | 1.6         | 198       | 10           |
| 22/05/24 21:55 | 0           | 1                        | 1                        | 1                        | 14.5       | 86        | 1.4         | 211       | 10           |
| 22/05/24 22:00 | 0           | 1                        | 1                        | 1                        | 14.5       | 86        | 1.7         | 206       | 8            |
| 22/05/24 22:05 | 0           | 1                        | 1                        | 1                        | 14.5       | 84        | 1.8         | 208       | 8            |
| 22/05/24 22:10 | 0           | 1                        | 1                        | 1                        | 14.5       | 84        | 1.8         | 197       | 10           |
| 22/05/24 22:15 | 0           | 1                        | 1                        | 1                        | 14.5       | 85        | 1.8         | 201       | 7            |
| 22/05/24 22:20 | 0           | 1                        | 1                        | 1                        | 14.5       | 86        | 1.4         | 199       | 10           |
| 22/05/24 22:25 | 0           | 1                        | 1                        | 1                        | 14.4       | 86        | 1.1         | 196       | 8            |
| 22/05/24 22:30 | 0           | 1                        | 1                        | 1                        | 14.5       | 87        | 1.2         | 191       | 9            |
| 22/05/24 22:35 | 0           | 1                        | 1                        | 1                        | 14.4       | 88        | 1.2         | 195       | 13           |
| 22/05/24 22:40 | 0           | 5                        | 5                        | 1                        | 14.4       | 88        | 1.0         | 198       | 16           |
| 22/05/24 22:45 | 0           | 11                       | 11                       | 1                        | 14.4       | 89        | 1.0         | 216       | 8            |
| 22/05/24 22:50 | 0           | 11                       | 11                       | 1                        | 14.4       | 90        | 0.9         | 205       | 13           |
| 22/05/24 22:55 | 0           | 9                        | 10                       | 1                        | 14.3       | 90        | 1.1         | 219       | 10           |
| 22/05/24 23:00 | 0           | 2                        | 3                        | 1                        | 14.4       | 90        | 1.3         | 229       | 6            |
| 22/05/24 23:05 | 0           | 2                        | 2                        | 1                        | 14.4       | 91        | 1.5         | 231       | 7            |
| 22/05/24 23:10 | 0           | 1                        | 1                        | 1                        | 14.3       | 90        | 1.4         | 230       | 6            |
| 22/05/24 23:15 | 0           | 1                        | 1                        | 1                        | 14.3       | 90        | 1.5         | 239       | 6            |
| 22/05/24 23:20 | 0           | 1                        | 1                        | 1                        | 14.3       | 90        | 1.5         | 248       | 7            |
| 22/05/24 23:25 | 0           | 1                        | 1                        | 1                        | 14.3       | 90        | 1.3         | 267       | 20           |
| 22/05/24 23:30 | 0           | 5                        | 5                        | 1                        | 14.3       | 91        | 1.3         | 289       | 11           |
| 22/05/24 23:35 | 0           | 13                       | 13                       | 1                        | 14.1       | 91        | 1.3         | 288       | 15           |
| 22/05/24 23:40 | 0           | 15                       | 15                       | 1                        | 14.0       | 91        | 1.2         | 282       | 11           |
| 22/05/24 23:45 | 0           | 18                       | 18                       | 1                        | 14.0       | 92        | 1.2         | 280       | 13           |
| 22/05/24 23:50 | 0           | 18                       | 19                       |                          | 13.8       | 92        | 1.2         | 277       | 14           |
| 22/05/24 23:55 | 0           | 18                       | 19                       |                          | 13.9       | 92        | 1.2         | 283       | 13           |
| 23/05/24 00:00 | 0           | 18                       | 18                       | 1                        | 13.9       | 92        | 1.6         | 271       | 10           |
| 23/05/24 00:05 | 0           | 18                       | 19                       | 1                        | 13.9       | 92        | 1.2         | 277       | 11           |
| 23/05/24 00:10 | 0           | 19                       | 19                       | 1                        | 13.9       | 92        | 1.3         | 284       | 11           |
| 23/05/24 00:15 | 1           | 20                       | 20                       | 1                        | 13.8       | 92        | 1.9         | 279       | 11           |
| 23/05/24 00:20 | 3           | 31                       | 34                       | 1                        | 13.8       | 92        | 2.6         | 267       | 5            |
| 23/05/24 00:25 | 12          | 28                       | 39                       | 1                        | 13.8       | 91        | 2.5         | 269       | 8            |
| 23/05/24 00:30 | 14          | 26                       | 40                       | 1                        | 13.8       | 91        | 3.2         | 264       | 5            |
| 23/05/24 00:35 | 10          | 27                       | 38                       | 1                        | 13.8       | 91        | 3.6         | 258       | 6            |
| 23/05/24 00:40 | 5           | 23                       | 29                       | 1                        | 13.8       | 91        | 3.4         | 257       | 6            |
| 23/05/24 00:45 | 4           | 20                       | 24                       | 1                        | 13.7       | 91        | 3.4         | 262       | 6            |
| 23/05/24 00:50 | 4           | 20                       | 25                       | 1                        | 13.8       | 91        | 3.4         | 254       | 6            |
| 23/05/24 00:55 | 4           | 19                       | 23                       | 1                        | 13.8       | 91        | 4.1         | 257       | 9            |
| 23/05/24 01:00 | 3           | 17                       | 20                       | 1                        | 13.7       | 90        | 4.0         | 253       | 7            |
| 23/05/24 01:05 |             |                          |                          |                          | 13.6       | 90        | 3.7         | 255       | 7            |
| 23/05/24 01:10 |             |                          |                          |                          | 13.7       | 90        | 3.4         | 255       | 7            |
| 23/05/24 01:15 |             |                          |                          |                          | 13.6       | 91        | 3.0         | 252       | 8            |
| 23/05/24 01:20 |             |                          |                          |                          | 13.6       | 91        | 3.4         | 251       | 9            |
| 23/05/24 01:25 |             |                          |                          |                          | 13.6       | 91        | 3.2         | 252       | 8            |
| 23/05/24 01:30 |             |                          |                          |                          | 13.5       | 92        | 3.2         | 253       | 10           |
| 23/05/24 01:35 |             |                          |                          |                          | 13.4       | 92        | 3.5         | 257       | 6            |
| 23/05/24 01:40 |             |                          |                          |                          | 13.5       | 92        | 3.6         | 252       | 7            |
| 23/05/24 01:45 |             |                          |                          |                          | 13.5       | 92        | 4.2         | 244       | 9            |
| 23/05/24 01:50 |             |                          |                          |                          | 13.4       | 92        | 4.0         | 244       | 8            |
| 23/05/24 01:55 |             |                          |                          |                          | 13.4       | 93        | 3.7         | 250       | 7            |
| 23/05/24 02:00 |             |                          |                          |                          | 13.4       | 93        | 3.5         | 250       | 9            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 23/05/24 02:05 | 3           | 13                       | 15                       | 1                        | 13.3       | 93        | 3.4         | 252       | 7            |
| 23/05/24 02:10 | 3           | 13                       | 15                       | 1                        | 13.2       | 93        | 3.3         | 251       | 7            |
| 23/05/24 02:15 | 3           | 13                       | 16                       | 1                        | 13.3       | 94        | 3.5         | 254       | 7            |
| 23/05/24 02:20 | 3           | 14                       | 17                       | 1                        | 13.3       | 94        | 3.3         | 246       | 8            |
| 23/05/24 02:25 | 4           | 21                       | 26                       | 1                        | 13.2       | 93        | 3.2         | 249       | 7            |
| 23/05/24 02:30 | 6           | 21                       | 27                       | 1                        | 13.3       | 94        | 3.4         | 252       | 11           |
| 23/05/24 02:35 | 4           | 15                       | 19                       | 1                        | 13.3       | 94        | 3.4         | 249       | 11           |
| 23/05/24 02:40 | 3           | 15                       | 18                       | 1                        | 13.4       | 94        | 3.3         | 251       | 9            |
| 23/05/24 02:45 | 3           | 15                       | 18                       | 1                        | 13.3       | 94        | 2.9         | 245       | 7            |
| 23/05/24 02:50 | 2           | 14                       | 16                       | 1                        | 13.2       | 94        | 2.9         | 243       | 9            |
| 23/05/24 02:55 | 2           | 14                       | 16                       | 1                        | 13.2       | 94        | 2.8         | 244       | 11           |
| 23/05/24 03:00 | 2           | 12                       | 13                       | 1                        | 13.2       | 94        | 3.0         | 244       | 9            |
| 23/05/24 03:05 | 1           | 8                        | 10                       | 1                        | 13.2       | 94        | 3.0         | 247       | 8            |
| 23/05/24 03:10 | 1           | 9                        | 10                       | 1                        | 13.1       | 94        | 3.4         | 251       | 9            |
| 23/05/24 03:15 | 2           | 12                       | 13                       | 1                        | 13.2       | 93        | 3.5         | 252       | 9            |
| 23/05/24 03:20 | 2           | 16                       | 18                       | 1                        | 13.2       | 93        | 3.2         | 252       | 8            |
| 23/05/24 03:25 | 3           | 16                       | 18                       | 1                        | 13.1       | 93        | 3.2         | 249       | 9            |
| 23/05/24 03:30 | 3           | 15                       | 17                       | 1                        | 13.1       | 93        | 2.8         | 252       | 13           |
| 23/05/24 03:35 | 3           | 14                       | 16                       | 1                        | 13.1       | 93        | 3.2         | 263       | 8            |
| 23/05/24 03:40 | 3           | 14                       | 17                       | 1                        | 13.0       | 93        | 3.4         | 255       | 7            |
| 23/05/24 03:45 | 3           | 14                       | 16                       | 1                        | 13.0       | 93        | 3.3         | 258       | 7            |
| 23/05/24 03:50 | 3           | 13                       | 16                       | 1                        | 13.0       | 93        | 3.3         | 261       | 7            |
| 23/05/24 03:55 | 2           | 12                       | 14                       | 1                        | 12.9       | 94        | 3.3         | 265       | 8            |
| 23/05/24 04:00 | 2           | 10                       | 12                       | 1                        | 12.9       | 94        | 3.5         | 265       | 6            |
| 23/05/24 04:05 | 2           | 10                       | 12                       | 1                        | 13.0       | 94        | 3.1         | 270       | 7            |
| 23/05/24 04:10 | 1           | 11                       | 12                       | 1                        | 12.8       | 95        | 2.6         | 270       | 9            |
| 23/05/24 04:15 | 1           | 11                       | 12                       | 1                        | 13.0       | 95        | 1.9         | 276       | 11           |
| 23/05/24 04:20 | 1           | 10                       | 11                       | 1                        | 12.9       | 94        | 2.1         | 276       | 11           |
| 23/05/24 04:25 | 1           | 10                       | 11                       | 1                        | 12.9       | 94        | 2.5         | 272       | 11           |
| 23/05/24 04:30 | 1           | 10                       | 11                       | 1                        | 12.9       | 93        | 1.5         | 291       | 16           |
| 23/05/24 04:35 | 1           | 11                       | 12                       | 1                        | 12.9       | 93        | 1.3         | 287       | 19           |
| 23/05/24 04:40 | 1           | 11                       | 12                       | 1                        | 12.9       | 93        | 1.6         | 299       | 8            |
| 23/05/24 04:45 | 0           | 11                       | 12                       | 1                        | 12.9       | 93        | 1.0         | 302       | 15           |
| 23/05/24 04:50 | 0           | 12                       | 12                       | 1                        | 12.8       | 93        | 1.3         | 304       | 8            |
| 23/05/24 04:55 | 0           | 12                       | 12                       | 1                        | 12.7       | 93        | 0.8         | 316       | 21           |
| 23/05/24 05:00 | 0           | 13                       | 13                       | 1                        | 12.8       | 93        | 0.7         | 333       | 28           |
| 23/05/24 05:05 | 0           | 13                       | 14                       | 1                        | 12.7       | 93        | 0.9         | 327       | 17           |
| 23/05/24 05:10 | 1           | 15                       | 15                       | 1                        | 12.8       | 93        | 1.0         | 319       | 16           |
| 23/05/24 05:15 | 1           | 16                       | 17                       | 1                        | 12.6       | 93        | 0.7         | 340       | 21           |
| 23/05/24 05:20 | 1           | 17                       | 18                       | 1                        | 12.8       | 93        | 0.6         | 326       | 26           |
| 23/05/24 05:25 | 1           | 17                       | 18                       | 1                        | 12.7       | 93        | 0.6         | 343       | 24           |
| 23/05/24 05:30 | 1           | 16                       | 17                       | 1                        | 12.6       | 93        | 0.6         | 319       | 33           |
| 23/05/24 05:35 | 1           | 16                       | 17                       | 1                        | 12.7       | 93        | 0.7         | 310       | 14           |
| 23/05/24 05:40 | 1           | 16                       | 17                       | 1                        | 12.8       | 93        | 0.8         | 314       | 16           |
| 23/05/24 05:45 | 1           | 16                       | 17                       | 1                        | 12.8       | 92        | 1.0         | 302       | 12           |
| 23/05/24 05:50 | 1           | 17                       | 18                       | 1                        | 12.8       | 92        | 0.9         | 292       | 18           |
| 23/05/24 05:55 | 2           | 18                       | 20                       | 1                        | 12.8       | 92        | 0.8         | 287       | 14           |
| 23/05/24 06:00 | 3           | 25                       | 27                       | 1                        | 12.9       | 92        | 1.0         | 293       | 17           |
| 23/05/24 06:05 | 4           | 25                       | 28                       | 1                        | 12.9       | 91        | 1.1         | 286       | 18           |
| 23/05/24 06:10 | 5           | 25                       | 30                       | 1                        | 12.9       | 91        | 0.8         | 297       | 39           |
| 23/05/24 06:15 | 9           | 23                       | 32                       | 1                        | 12.9       | 90        | 0.5         | 284       | 40           |
| 23/05/24 06:20 | 11          | 21                       | 33                       | 1                        | 13.0       | 91        | 0.8         | 296       | 28           |
| 23/05/24 06:25 | 14          | 20                       | 34                       | 1                        | 13.0       | 90        | 0.4         | 263       | 34           |
| 23/05/24 06:30 | 14          | 21                       | 35                       | 1                        | 12.9       | 89        | 0.3         | 319       | 46           |
| 23/05/24 06:35 | 15          | 21                       | 36                       | 1                        | 12.9       | 90        | 0.2         | 313       | 59           |
| 23/05/24 06:40 | 14          | 21                       | 36                       | 1                        | 12.9       | 89        | 0.7         | 349       | 27           |
| 23/05/24 06:45 | 13          | 22                       | 35                       | 1                        | 12.9       | 89        | 1.1         | 291       | 27           |
| 23/05/24 06:50 | 13          | 22                       | 34                       | 1                        | 12.9       | 89        | 1.3         | 264       | 24           |
| 23/05/24 06:55 | 12          | 22                       | 34                       | 1                        | 12.9       | 88        | 0.9         | 251       | 17           |
| 23/05/24 07:00 | 12          | 22                       | 34                       | 1                        | 12.9       | 89        | 1.0         | 247       | 16           |
| 23/05/24 07:05 | 13          | 22                       | 35                       | 2                        | 12.9       | 88        | 0.9         | 272       | 27           |
| 23/05/24 07:10 | 14          | 22                       | 36                       | 2                        | 12.9       | 88        | 1.0         | 263       | 11           |
| 23/05/24 07:15 | 14          | 22                       | 37                       | 2                        | 13.0       | 88        | 1.4         | 258       | 17           |
| 23/05/24 07:20 | 13          | 22                       | 36                       | 1                        | 12.9       | 88        | 2.2         | 262       | 10           |
| 23/05/24 07:25 | 11          | 21                       | 32                       | 1                        | 12.9       | 87        | 2.3         | 259       | 8            |
| 23/05/24 07:30 | 7           | 20                       | 28                       | 1                        | 13.0       | 88        | 1.8         | 235       | 15           |
| 23/05/24 07:35 | 8           | 22                       | 30                       | 1                        | 13.0       | 88        | 1.5         | 268       | 13           |
| 23/05/24 07:40 | 18          | 22                       | 40                       | 1                        | 13.0       | 88        | 1.9         | 267       | 11           |
| 23/05/24 07:45 | 31          | 22                       | 53                       | 1                        | 12.9       | 88        | 1.8         | 270       | 10           |
| 23/05/24 07:50 | 40          | 24                       | 63                       | 1                        | 13.0       | 89        | 1.6         | 278       | 12           |
| 23/05/24 07:55 | 24          | 17                       | 42                       | 1                        | 13.0       | 88        | 2.0         | 281       | 10           |
| 23/05/24 08:00 | 10          | 21                       | 31                       | 1                        | 12.9       | 87        | 1.6         | 292       | 10           |
| 23/05/24 08:05 | 13          | 20                       | 33                       | 1                        | 12.9       | 87        | 1.5         | 288       | 13           |
| 23/05/24 08:10 | 24          | 22                       | 46                       | 1                        | 12.9       | 88        | 1.5         | 289       | 12           |
| 23/05/24 08:15 | 26          | 22                       | 47                       | 1                        | 12.8       | 88        | 1.1         | 285       | 16           |
| 23/05/24 08:20 | 14          | 18                       | 32                       | 1                        | 12.8       | 88        | 1.3         | 288       | 15           |
| 23/05/24 08:25 | 8           | 18                       | 26                       | 1                        | 12.8       | 88        | 1.3         | 285       | 16           |
| 23/05/24 08:30 | 8           | 18                       | 26                       | 1                        | 12.6       | 87        | 1.0         | 278       | 17           |
| 23/05/24 08:35 | 20          | 13                       | 33                       | 1                        | 12.7       | 88        | 1.3         | 271       | 18           |
| 23/05/24 08:40 | 23          | 26                       | 50                       | 1                        | 12.8       | 87        | 1.4         | 285       | 21           |
| 23/05/24 08:45 | 27          | 24                       | 51                       | 1                        | 12.9       | 87        | 1.3         | 284       | 11           |
| 23/05/24 08:50 | 32          | 21                       | 53                       | 1                        | 12.8       | 86        | 1.5         | 290       | 16           |
| 23/05/24 08:55 | 45          | 18                       | 63                       | 1                        | 13.0       | 87        | 1.4         | 276       | 16           |
| 23/05/24 09:00 | 12          | 18                       | 30                       | 1                        | 12.9       | 85        | 2.2         | 255       | 8            |
| 23/05/24 09:05 | 10          | 17                       | 27                       | 1                        | 12.8       | 85        | 2.2         | 270       | 11           |
| 23/05/24 09:10 | 13          | 19                       | 32                       | 1                        | 12.7       | 86        | 1.8         | 266       | 13           |
| 23/05/24 09:15 | 13          | 19                       | 32                       | 1                        | 12.6       | 85        | 2.1         | 261       | 13           |
| 23/05/24 09:20 | 12          | 18                       | 30                       | 1                        | 12.6       | 85        | 2.0         | 251       | 14           |
| 23/05/24 09:25 | 12          | 18                       | 30                       | 1                        | 12.6       | 85        | 1.6         | 235       | 8            |
| 23/05/24 09:30 | 17          | 22                       | 38                       | 1                        | 12.8       | 84        | 1.4         | 231       | 10           |
| 23/05/24 09:35 | 17          | 20                       | 37                       | 1                        | 12.9       | 83        | 0.9         | 215       | 9            |
| 23/05/24 09:40 | 17          | 18                       | 35                       | 1                        | 13.0       | 83        | 1.1         | 230       | 8            |
| 23/05/24 09:45 | 18          | 19                       | 37                       | 1                        | 13.1       | 82        | 0.9         | 226       | 16           |
| 23/05/24 09:50 | 16          | 17                       | 32                       | 1                        | 13.3       | 80        | 1.7         | 232       | 9            |
| 23/05/24 09:55 | 18          | 19                       | 37                       | 1                        | 13.5       | 80        | 2.1         | 232       | 7            |
| 23/05/24 10:00 | 16          | 17                       | 33                       | 1                        | 13.5       | 80        | 1.6         | 216       | 8            |
| 23/05/24 10:05 | 14          | 16                       | 30                       | 1                        | 13.6       | 79        | 1.5         | 212       | 9            |
| 23/05/24 10:10 | 14          | 17                       | 31                       | 1                        | 13.8       | 79        | 0.9         | 201       | 11           |
| 23/05/24 10:15 | 18          | 20                       | 38                       | 1                        | 14.0       | 78        | 1.2         | 210       | 9            |
| 23/05/24 10:20 | 20          | 20                       | 40                       | 1                        | 14.3       | 77        | 1.0         | 196       | 14           |
| 23/05/24 10:25 | 27          | 19                       | 45                       | 1                        | 14.9       | 74        | 0.7         | 191       | 13           |
| 23/05/24 10:30 | 27          | 22                       | 50                       | 1                        | 15.3       | 72        | 0.7         | 189       | 24           |
| 23/05/24 10:35 | 20          | 20                       | 40                       | 1                        | 15.3       | 72        | 0.6         | 171       | 45           |
| 23/05/24 10:40 | 15          | 18                       | 33                       | 1                        | 15.2       | 72        | 0.9         | 180       | 24           |
| 23/05/24 10:45 | 13          | 17                       | 30                       | 1                        | 15.5       | 71        | 1.0         | 161       | 19           |
| 23/05/24 10:50 | 18          | 23                       | 40                       | 1                        | 15.7       | 71        | 0.7         | 145       | 35           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 23/05/24 10:55 | 19          | 19                       | 38                       | 1                        | 16.0       | 69        | 0.8         | 149       | 30           |
| 23/05/24 11:00 | 33          | 27                       | 60                       | 2                        | 15.7       | 70        | 1.2         | 158       | 26           |
| 23/05/24 11:05 | 23          | 21                       | 44                       | 2                        | 15.3       | 72        | 0.8         | 160       | 36           |
| 23/05/24 11:10 | 17          | 17                       | 34                       | 2                        | 15.3       | 73        | 1.0         | 160       | 24           |
| 23/05/24 11:15 | 37          | 21                       | 57                       | 2                        | 15.5       | 72        | 1.3         | 144       | 20           |
| 23/05/24 11:20 | 14          | 15                       | 29                       | 2                        | 15.6       | 71        | 0.9         | 153       | 31           |
| 23/05/24 11:25 | 7           | 12                       | 19                       | 1                        | 15.6       | 71        | 1.0         | 170       | 27           |
| 23/05/24 11:30 | 8           | 8                        | 16                       | 1                        | 15.6       | 71        | 1.0         | 161       | 25           |
| 23/05/24 11:35 | 8           | 10                       | 18                       | 1                        | 15.7       | 71        | 0.8         | 170       | 36           |
| 23/05/24 11:40 | 8           | 11                       | 18                       | 1                        | 15.8       | 71        | 0.8         | 159       | 34           |
| 23/05/24 11:45 | 7           | 11                       | 17                       | 1                        | 15.8       | 70        | 1.1         | 146       | 23           |
| 23/05/24 11:50 | 11          | 14                       | 26                       | 1                        | 16.2       | 69        | 1.0         | 133       | 28           |
| 23/05/24 11:55 | 10          | 12                       | 22                       | 1                        | 16.2       | 68        | 1.3         | 143       | 22           |
| 23/05/24 12:00 | 11          | 13                       | 24                       | 1                        | 16.2       | 68        | 1.4         | 150       | 21           |
| 23/05/24 12:05 | 8           | 9                        | 17                       | 1                        | 16.1       | 68        | 1.1         | 155       | 28           |
| 23/05/24 12:10 | 6           | 10                       | 15                       | 1                        | 15.9       | 70        | 1.1         | 163       | 33           |
| 23/05/24 12:15 | 7           | 11                       | 19                       | 1                        | 15.8       | 71        | 1.0         | 153       | 30           |
| 23/05/24 12:20 | 7           | 9                        | 15                       | 1                        | 15.8       | 71        | 1.2         | 161       | 29           |
| 23/05/24 12:25 | 5           | 8                        | 13                       | 1                        | 16.0       | 71        | 1.3         | 164       | 24           |
| 23/05/24 12:30 | 4           | 6                        | 10                       | 1                        | 16.1       | 71        | 1.2         | 164       | 26           |
| 23/05/24 12:35 | 5           | 7                        | 11                       | 1                        | 16.1       | 72        | 1.2         | 161       | 29           |
| 23/05/24 12:40 | 5           | 5                        | 10                       | 1                        | 16.3       | 71        | 1.0         | 170       | 34           |
| 23/05/24 12:45 | 4           | 4                        | 8                        | 1                        | 16.5       | 70        | 1.2         | 162       | 27           |
| 23/05/24 12:50 | 5           | 8                        | 13                       | 1                        | 16.6       | 70        | 1.4         | 166       | 24           |
| 23/05/24 12:55 | 5           | 7                        | 12                       | 1                        | 16.5       | 70        | 1.6         | 162       | 24           |
| 23/05/24 13:00 | 3           | 4                        | 8                        | 1                        | 16.3       | 71        | 1.6         | 160       | 28           |
| 23/05/24 13:05 | 2           | 4                        | 6                        | 1                        | 16.1       | 72        | 1.6         | 169       | 23           |
| 23/05/24 13:10 | 2           | 4                        | 6                        | 1                        | 16.0       | 73        | 1.4         | 162       | 25           |
| 23/05/24 13:15 | 4           | 25                       | 29                       | 1                        | 16.0       | 73        | 1.6         | 152       | 21           |
| 23/05/24 13:20 | 29          | 27                       | 56                       | 1                        | 16.0       | 73        | 1.5         | 152       | 25           |
| 23/05/24 13:25 | 10          | 9                        | 19                       | 1                        | 16.0       | 73        | 1.4         | 160       | 27           |
| 23/05/24 13:30 | 3           | 6                        | 9                        | 1                        | 16.1       | 72        | 1.3         | 171       | 23           |
| 23/05/24 13:35 | 3           | 5                        | 8                        | 1                        | 16.2       | 70        | 1.4         | 164       | 25           |
| 23/05/24 13:40 | 3           | 6                        | 9                        | 1                        | 16.3       | 69        | 1.3         | 164       | 23           |
| 23/05/24 13:45 | 3           | 4                        | 7                        | 1                        | 16.5       | 68        | 1.9         | 164       | 17           |
| 23/05/24 13:50 | 4           | 9                        | 13                       | 1                        | 16.6       | 68        | 1.2         | 154       | 30           |
| 23/05/24 13:55 | 11          | 13                       | 24                       | 1                        | 16.7       | 68        | 1.4         | 157       | 27           |
| 23/05/24 14:00 | 7           | 9                        | 17                       | 1                        | 16.8       | 67        | 1.3         | 165       | 22           |
| 23/05/24 14:05 | 4           | 6                        | 10                       | 1                        | 16.9       | 67        | 1.6         | 162       | 22           |
| 23/05/24 14:10 | 2           | 3                        | 5                        | 1                        | 16.9       | 65        | 1.7         | 170       | 19           |
| 23/05/24 14:15 | 2           | 5                        | 7                        | 1                        | 16.8       | 65        | 1.6         | 181       | 18           |
| 23/05/24 14:20 | 1           | 5                        | 6                        | 1                        | 16.6       | 66        | 1.5         | 184       | 17           |
| 23/05/24 14:25 | 1           | 4                        | 5                        | 1                        | 16.6       | 66        | 1.6         | 188       | 14           |
| 23/05/24 14:30 | 1           | 4                        | 5                        | 1                        | 16.7       | 66        | 1.4         | 180       | 18           |
| 23/05/24 14:35 | 2           | 4                        | 6                        | 1                        | 16.6       | 66        | 1.8         | 186       | 13           |
| 23/05/24 14:40 | 2           | 4                        | 6                        | 1                        | 16.3       | 66        | 2.0         | 189       | 10           |
| 23/05/24 14:45 | 1           | 4                        | 5                        | 1                        | 15.8       | 68        | 2.4         | 194       | 9            |
| 23/05/24 14:50 | 1           | 4                        | 5                        | 1                        | 15.6       | 69        | 2.4         | 192       | 10           |
| 23/05/24 14:55 | 1           | 3                        | 4                        | 1                        | 15.6       | 68        | 2.5         | 197       | 9            |
| 23/05/24 15:00 | 1           | 3                        | 4                        | 1                        | 15.7       | 68        | 2.4         | 192       | 12           |
| 23/05/24 15:05 | 1           | 3                        | 4                        | 1                        | 16.0       | 66        | 2.1         | 192       | 14           |
| 23/05/24 15:10 | 1           | 4                        | 5                        | 1                        | 16.2       | 66        | 1.9         | 194       | 13           |
| 23/05/24 15:15 | 1           | 4                        | 5                        | 1                        | 16.5       | 65        | 1.8         | 192       | 12           |
| 23/05/24 15:20 | 1           | 4                        | 5                        | 1                        | 16.5       | 64        | 2.3         | 197       | 11           |
| 23/05/24 15:25 | 1           | 3                        | 4                        | 1                        | 16.2       | 65        | 2.2         | 194       | 10           |
| 23/05/24 15:30 | 1           | 3                        | 4                        | 1                        | 16.5       | 63        | 1.4         | 185       | 16           |
| 23/05/24 15:35 | 1           | 3                        | 4                        | 1                        | 16.7       | 61        | 1.4         | 181       | 18           |
| 23/05/24 15:40 | 1           | 3                        | 4                        | 1                        | 16.6       | 61        | 1.9         | 191       | 13           |
| 23/05/24 15:45 | 1           | 4                        | 5                        | 1                        | 16.3       | 64        | 2.2         | 195       | 11           |
| 23/05/24 15:50 | 1           | 4                        | 6                        | 1                        | 16.2       | 63        | 1.6         | 183       | 15           |
| 23/05/24 15:55 | 1           | 5                        | 7                        | 1                        | 16.5       | 60        | 1.9         | 191       | 12           |
| 23/05/24 16:00 | 2           | 5                        | 7                        | 1                        | 16.4       | 60        | 1.6         | 189       | 13           |
| 23/05/24 16:05 | 2           | 5                        | 7                        | 1                        | 16.6       | 60        | 1.2         | 177       | 20           |
| 23/05/24 16:10 | 1           | 3                        | 4                        | 1                        | 16.6       | 58        | 1.3         | 182       | 16           |
| 23/05/24 16:15 | 1           | 1                        | 2                        | 1                        | 16.7       | 57        | 1.3         | 180       | 19           |
| 23/05/24 16:20 | 1           | 1                        | 2                        | 1                        | 16.4       | 58        | 1.3         | 184       | 14           |
| 23/05/24 16:25 | 0           | 2                        | 2                        | 1                        | 16.2       | 59        | 1.4         | 182       | 16           |
| 23/05/24 16:30 | 1           | 2                        | 2                        | 1                        | 16.0       | 60        | 1.0         | 183       | 14           |
| 23/05/24 16:35 | 0           | 2                        | 2                        | 1                        | 15.8       | 60        | 1.2         | 172       | 15           |
| 23/05/24 16:40 | 1           | 2                        | 2                        | 1                        | 15.5       | 63        | 0.9         | 170       | 24           |
| 23/05/24 16:45 | 0           | 2                        | 2                        | 1                        | 15.1       | 64        | 1.1         | 152       | 20           |
| 23/05/24 16:50 | 0           | 1                        | 2                        | 1                        | 15.1       | 65        | 0.9         | 170       | 22           |
| 23/05/24 16:55 | 0           | 1                        | 2                        | 1                        | 15.0       | 63        | 1.1         | 137       | 15           |
| 23/05/24 17:00 | 0           | 1                        | 1                        | 1                        | 15.1       | 65        | 1.3         | 134       | 15           |
| 23/05/24 17:05 | 0           | 1                        | 1                        | 1                        | 15.0       | 69        | 0.9         | 148       | 33           |
| 23/05/24 17:10 | 0           | 1                        | 1                        | 1                        | 14.9       | 66        | 1.2         | 141       | 18           |
| 23/05/24 17:15 | 0           | 2                        | 2                        | 1                        | 14.8       | 70        | 1.0         | 141       | 17           |
| 23/05/24 17:20 | 0           | 2                        | 2                        | 1                        | 14.8       | 69        | 1.0         | 141       | 18           |
| 23/05/24 17:25 | 0           | 2                        | 2                        | 1                        | 14.7       | 71        | 1.3         | 134       | 17           |
| 23/05/24 17:30 | 0           | 2                        | 2                        | 1                        | 14.8       | 72        | 1.3         | 136       | 20           |
| 23/05/24 17:35 | 0           | 2                        | 2                        | 1                        | 14.7       | 74        | 1.5         | 132       | 16           |
| 23/05/24 17:40 | 0           | 2                        | 2                        | 1                        | 14.7       | 73        | 1.4         | 143       | 17           |
| 23/05/24 17:45 | 0           | 2                        | 2                        | 1                        | 14.6       | 72        | 1.2         | 145       | 16           |
| 23/05/24 17:50 | 0           | 2                        | 2                        | 1                        | 14.6       | 70        | 1.2         | 142       | 17           |
| 23/05/24 17:55 | 0           | 2                        | 2                        | 1                        | 14.5       | 70        | 1.3         | 143       | 17           |
| 23/05/24 18:00 | 0           | 2                        | 2                        | 1                        | 14.5       | 69        | 1.1         | 158       | 20           |
| 23/05/24 18:05 | 0           | 2                        | 2                        | 1                        | 14.5       | 69        | 1.0         | 149       | 24           |
| 23/05/24 18:10 | 0           | 2                        | 2                        | 1                        | 14.4       | 69        | 1.1         | 127       | 18           |
| 23/05/24 18:15 | 0           | 2                        | 2                        | 0                        | 14.5       | 71        | 1.3         | 112       | 7            |
| 23/05/24 18:20 | 0           | 3                        | 3                        | 1                        | 14.3       | 70        | 1.1         | 92        | 12           |
| 23/05/24 18:25 | 0           | 4                        | 4                        | 1                        | 14.0       | 70        | 1.0         | 84        | 10           |
| 23/05/24 18:30 | 0           | 8                        | 8                        | 1                        | 13.9       | 70        | 0.9         | 71        | 12           |
| 23/05/24 18:35 | 0           | 17                       | 17                       | 1                        | 13.9       | 70        | 0.7         | 74        | 13           |
| 23/05/24 18:40 | 0           | 20                       | 20                       | 1                        | 13.7       | 70        | 0.5         | 87        | 13           |
| 23/05/24 18:45 | 1           | 21                       | 22                       | 1                        | 13.6       | 70        | 0.6         | 65        | 11           |
| 23/05/24 18:50 | 1           | 26                       | 28                       | 1                        | 13.5       | 72        | 0.8         | 39        | 11           |
| 23/05/24 18:55 | 5           | 37                       | 42                       | 1                        | 13.4       | 73        | 0.8         | 45        | 7            |
| 23/05/24 19:00 | 12          | 30                       | 42                       | 1                        | 13.2       | 74        | 0.8         | 63        | 8            |
| 23/05/24 19:05 | 12          | 29                       | 41                       | 1                        | 13.1       | 74        | 0.7         | 89        | 16           |
| 23/05/24 19:10 | 11          | 29                       | 40                       | 1                        | 13.0       | 74        | 0.6         | 126       | 9            |
| 23/05/24 19:15 | 10          | 30                       | 40                       | 1                        | 13.1       | 73        | 0.5         | 141       | 19           |
| 23/05/24 19:20 | 8           | 31                       | 39                       | 1                        | 13.2       | 74        | 0.5         | 155       | 18           |
| 23/05/24 19:25 | 7           | 31                       | 38                       | 0                        | 13.4       | 74        | 0.2         | 94        | 44           |
| 23/05/24 19:30 | 8           | 30                       | 38                       | 1                        | 13.4       | 73        | 0.7         | 97        | 11           |
| 23/05/24 19:35 | 9           | 30                       | 38                       | 1                        | 13.5       | 74        | 0.7         | 105       | 11           |
| 23/05/24 19:40 | 10          | 29                       | 39                       | 1                        | 13.4       | 74        | 0.7         | 118       | 17           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 23/05/24 19:45 | 9           | 17                       | 26                       | 1                        | 13.5       | 74        | 1.2         | 113       | 12           |
| 23/05/24 19:50 | 6           | 22                       | 28                       | 1                        | 13.3       | 74        | 1.6         | 97        | 5            |
| 23/05/24 19:55 | 5           | 25                       | 30                       | 1                        | 13.4       | 73        | 1.8         | 97        | 5            |
| 23/05/24 20:00 | 4           | 25                       | 29                       | 1                        | 13.4       | 72        | 1.6         | 102       | 5            |
| 23/05/24 20:05 | 3           | 25                       | 28                       | 1                        | 13.3       | 71        | 1.7         | 100       | 4            |
| 23/05/24 20:10 | 3           | 25                       | 27                       | 1                        | 13.3       | 70        | 1.4         | 100       | 5            |
| 23/05/24 20:15 | 2           | 25                       | 27                       | 1                        | 13.2       | 70        | 1.1         | 92        | 7            |
| 23/05/24 20:20 | 2           | 25                       | 27                       | 1                        | 13.1       | 71        | 0.8         | 77        | 10           |
| 23/05/24 20:25 | 2           | 25                       | 28                       | 1                        | 13.0       | 71        | 0.8         | 79        | 8            |
| 23/05/24 20:30 | 3           | 26                       | 29                       | 1                        | 13.0       | 73        | 0.9         | 74        | 7            |
| 23/05/24 20:35 | 4           | 26                       | 29                       | 1                        | 12.8       | 74        | 0.8         | 62        | 10           |
| 23/05/24 20:40 | 4           | 26                       | 30                       | 1                        | 12.8       | 73        | 0.9         | 40        | 10           |
| 23/05/24 20:45 | 6           | 27                       | 34                       | 0                        | 12.7       | 74        | 1.0         | 51        | 5            |
| 23/05/24 20:50 | 25          | 31                       | 56                       | 0                        | 12.4       | 75        | 1.0         | 61        | 5            |
| 23/05/24 20:55 | 25          | 31                       | 56                       | 1                        | 12.3       | 76        | 1.0         | 65        | 5            |
| 23/05/24 21:00 | 24          | 31                       | 56                       | 1                        | 12.2       | 76        | 0.9         | 60        | 6            |
| 23/05/24 21:05 | 25          | 31                       | 56                       | 1                        | 12.3       | 76        | 1.2         | 49        | 4            |
| 23/05/24 21:10 | 26          | 31                       | 57                       | 1                        | 12.2       | 76        | 1.0         | 49        | 4            |
| 23/05/24 21:15 | 28          | 31                       | 59                       | 1                        | 12.4       | 76        | 1.0         | 51        | 4            |
| 23/05/24 21:20 | 29          | 31                       | 60                       | 1                        | 12.3       | 76        | 0.7         | 69        | 8            |
| 23/05/24 21:25 | 28          | 32                       | 59                       | 1                        | 12.2       | 75        | 0.5         | 77        | 7            |
| 23/05/24 21:30 | 16          | 31                       | 47                       | 1                        | 12.3       | 73        | 0.5         | 37        | 17           |
| 23/05/24 21:35 | 16          | 32                       | 47                       | 1                        | 12.5       | 73        | 0.6         | 24        | 6            |
| 23/05/24 21:40 | 20          | 30                       | 50                       | 1                        | 12.3       | 74        | 1.1         | 6         | 12           |
| 23/05/24 21:45 | 47          | 28                       | 75                       | 1                        | 12.2       | 75        | 0.9         | 341       | 12           |
| 23/05/24 21:50 | 63          | 34                       | 97                       | 1                        | 12.2       | 76        | 0.9         | 347       | 10           |
| 23/05/24 21:55 | 106         | 33                       | 139                      | 1                        | 12.0       | 77        | 1.2         | 343       | 15           |
| 23/05/24 22:00 | 139         | 36                       | 175                      | 1                        | 12.2       | 78        | 1.7         | 338       | 13           |
| 23/05/24 22:05 | 138         | 36                       | 174                      | 1                        | 12.3       | 78        | 1.2         | 329       | 15           |
| 23/05/24 22:10 | 136         | 35                       | 170                      | 2                        | 12.0       | 79        | 1.5         | 358       | 15           |
| 23/05/24 22:15 | 136         | 35                       | 171                      | 2                        | 11.6       | 81        | 1.4         | 347       | 24           |
| 23/05/24 22:20 | 140         | 35                       | 174                      | 2                        | 11.7       | 83        | 1.4         | 346       | 15           |
| 23/05/24 22:25 | 149         | 36                       | 185                      | 2                        | 11.6       | 83        | 1.5         | 342       | 14           |
| 23/05/24 22:30 | 150         | 39                       | 189                      | 2                        | 11.7       | 83        | 1.4         | 337       | 15           |
| 23/05/24 22:35 | 138         | 36                       | 174                      | 2                        | 11.7       | 83        | 1.6         | 342       | 14           |
| 23/05/24 22:40 | 137         | 36                       | 173                      | 2                        | 11.7       | 83        | 1.4         | 330       | 13           |
| 23/05/24 22:45 | 136         | 36                       | 172                      | 2                        | 11.6       | 83        | 1.3         | 336       | 15           |
| 23/05/24 22:50 | 136         | 36                       | 172                      | 2                        | 11.5       | 84        | 1.0         | 317       | 12           |
| 23/05/24 22:55 | 137         | 35                       | 172                      | 2                        | 11.4       | 84        | 1.4         | 309       | 12           |
| 23/05/24 23:00 | 138         | 36                       | 174                      | 2                        | 11.5       | 83        | 1.7         | 314       | 8            |
| 23/05/24 23:05 | 135         | 36                       | 171                      | 2                        | 11.6       | 83        | 1.3         | 315       | 11           |
| 23/05/24 23:10 | 127         | 37                       | 165                      | 2                        | 11.5       | 83        | 1.0         | 326       | 15           |
| 23/05/24 23:15 | 101         | 33                       | 135                      | 2                        | 11.4       | 83        | 1.2         | 321       | 14           |
| 23/05/24 23:20 | 88          | 29                       | 117                      | 2                        | 11.3       | 83        | 1.5         | 317       | 11           |
| 23/05/24 23:25 | 73          | 28                       | 101                      | 2                        | 11.3       | 82        | 1.3         | 322       | 11           |
| 23/05/24 23:30 | 70          | 28                       | 99                       | 2                        | 11.1       | 82        | 1.5         | 320       | 11           |
| 23/05/24 23:35 | 74          | 26                       | 100                      | 2                        | 11.1       | 82        | 1.5         | 321       | 10           |
| 23/05/24 23:40 | 74          | 26                       | 101                      | 2                        | 11.0       | 83        | 1.0         | 332       | 12           |
| 23/05/24 23:45 | 72          | 28                       | 100                      | 2                        | 10.9       | 83        | 1.1         | 342       | 16           |
| 23/05/24 23:50 | 72          | 27                       | 99                       |                          | 10.8       | 83        | 1.1         | 338       | 17           |
| 23/05/24 23:55 | 69          | 29                       | 98                       |                          | 10.8       | 83        | 1.1         | 349       | 13           |
| 24/05/24 00:00 | 68          | 28                       | 97                       | 2                        | 10.6       | 83        | 0.7         | 342       | 21           |
| 24/05/24 00:05 | 68          | 28                       | 96                       | 2                        | 10.5       | 84        | 0.9         | 342       | 14           |
| 24/05/24 00:10 | 66          | 28                       | 94                       | 2                        | 10.4       | 83        | 0.6         | 337       | 29           |
| 24/05/24 00:15 | 64          | 28                       | 92                       | 1                        | 10.3       | 84        | 0.9         | 349       | 15           |
| 24/05/24 00:20 | 57          | 29                       | 86                       | 1                        | 10.3       | 83        | 1.1         | 347       | 10           |
| 24/05/24 00:25 | 50          | 26                       | 76                       | 1                        | 10.3       | 83        | 1.4         | 350       | 9            |
| 24/05/24 00:30 | 49          | 26                       | 74                       | 1                        | 10.3       | 82        | 1.8         | 357       | 8            |
| 24/05/24 00:35 | 50          | 25                       | 75                       | 1                        | 10.3       | 82        | 1.6         | 356       | 8            |
| 24/05/24 00:40 | 47          | 26                       | 73                       | 1                        | 10.4       | 82        | 1.2         | 349       | 11           |
| 24/05/24 00:45 | 52          | 24                       | 76                       | 1                        | 10.4       | 82        | 1.2         | 359       | 9            |
| 24/05/24 00:50 | 70          | 30                       | 100                      | 1                        | 10.4       | 83        | 1.5         | 0         | 6            |
| 24/05/24 00:55 | 78          | 29                       | 107                      | 1                        | 10.4       | 83        | 1.6         | 353       | 10           |
| 24/05/24 01:00 | 80          | 28                       | 107                      | 1                        | 10.4       | 83        | 1.1         | 354       | 17           |
| 24/05/24 01:05 |             |                          |                          |                          | 10.3       | 83        | 1.2         | 357       | 18           |
| 24/05/24 01:10 |             |                          |                          |                          | 10.2       | 84        | 1.8         | 358       | 13           |
| 24/05/24 01:15 |             |                          |                          |                          | 10.2       | 83        | 1.6         | 360       | 15           |
| 24/05/24 01:20 |             |                          |                          |                          | 10.0       | 84        | 1.1         | 344       | 23           |
| 24/05/24 01:25 |             |                          |                          |                          | 10.0       | 84        | 1.3         | 352       | 19           |
| 24/05/24 01:30 |             |                          |                          |                          | 10.0       | 84        | 1.8         | 358       | 10           |
| 24/05/24 01:35 |             |                          |                          |                          | 10.0       | 84        | 1.5         | 338       | 13           |
| 24/05/24 01:40 |             |                          |                          |                          | 9.9        | 84        | 1.4         | 346       | 20           |
| 24/05/24 01:45 |             |                          |                          |                          | 9.8        | 84        | 1.2         | 342       | 28           |
| 24/05/24 01:50 |             |                          |                          |                          | 9.8        | 84        | 1.8         | 339       | 16           |
| 24/05/24 01:55 |             |                          |                          |                          | 9.8        | 84        | 1.6         | 337       | 21           |
| 24/05/24 02:00 |             |                          |                          |                          | 9.7        | 85        | 1.5         | 340       | 22           |
| 24/05/24 02:05 | 45          | 21                       | 66                       | 1                        | 9.6        | 85        | 1.4         | 341       | 19           |
| 24/05/24 02:10 | 40          | 20                       | 60                       | 1                        | 9.5        | 85        | 1.9         | 338       | 17           |
| 24/05/24 02:15 | 37          | 21                       | 58                       | 1                        | 9.5        | 85        | 1.3         | 331       | 22           |
| 24/05/24 02:20 | 37          | 21                       | 58                       | 1                        | 9.5        | 84        | 1.1         | 338       | 20           |
| 24/05/24 02:25 | 38          | 21                       | 59                       | 1                        | 9.5        | 85        | 1.2         | 330       | 21           |
| 24/05/24 02:30 | 37          | 21                       | 58                       | 1                        | 9.4        | 84        | 1.8         | 351       | 14           |
| 24/05/24 02:35 | 37          | 20                       | 58                       | 1                        | 9.3        | 85        | 1.8         | 356       | 18           |
| 24/05/24 02:40 | 37          | 20                       | 58                       | 1                        | 9.2        | 85        | 1.5         | 7         | 12           |
| 24/05/24 02:45 | 38          | 20                       | 58                       | 1                        | 9.1        | 86        | 1.5         | 18        | 12           |
| 24/05/24 02:50 | 38          | 20                       | 58                       | 1                        | 9.0        | 86        | 1.9         | 13        | 9            |
| 24/05/24 02:55 | 37          | 20                       | 57                       | 1                        | 8.9        | 86        | 1.6         | 6         | 12           |
| 24/05/24 03:00 | 35          | 20                       | 55                       | 1                        | 9.0        | 86        | 1.6         | 11        | 7            |
| 24/05/24 03:05 | 33          | 20                       | 53                       | 1                        | 8.8        | 86        | 1.7         | 3         | 6            |
| 24/05/24 03:10 | 31          | 21                       | 51                       | 1                        | 8.8        | 86        | 1.5         | 5         | 6            |
| 24/05/24 03:15 | 29          | 20                       | 49                       | 1                        | 8.8        | 86        | 1.1         | 10        | 19           |
| 24/05/24 03:20 | 29          | 20                       | 49                       | 1                        | 8.7        | 87        | 0.9         | 24        | 11           |
| 24/05/24 03:25 | 30          | 20                       | 51                       | 1                        | 8.7        | 87        | 0.8         | 15        | 11           |
| 24/05/24 03:30 | 30          | 21                       | 50                       | 1                        | 8.6        | 87        | 1.1         | 13        | 7            |
| 24/05/24 03:35 | 27          | 19                       | 46                       | 1                        | 8.7        | 87        | 1.4         | 12        | 7            |
| 24/05/24 03:40 | 25          | 18                       | 43                       | 1                        | 8.8        | 86        | 1.9         | 5         | 6            |
| 24/05/24 03:45 | 26          | 19                       | 44                       | 1                        | 8.9        | 86        | 1.7         | 6         | 11           |
| 24/05/24 03:50 | 22          | 20                       | 41                       | 1                        | 8.9        | 86        | 1.4         | 5         | 17           |
| 24/05/24 03:55 | 20          | 20                       | 40                       | 1                        | 8.9        | 85        | 1.0         | 16        | 13           |
| 24/05/24 04:00 | 19          | 21                       | 39                       | 1                        | 8.9        | 85        | 1.2         | 357       | 12           |
| 24/05/24 04:05 | 19          | 21                       | 40                       | 1                        | 8.9        | 85        | 1.3         | 12        | 7            |
| 24/05/24 04:10 | 19          | 20                       | 40                       | 1                        | 8.7        | 85        | 1.3         | 4         | 9            |
| 24/05/24 04:15 | 18          | 21                       | 39                       | 1                        | 8.8        | 85        | 1.0         | 345       | 20           |
| 24/05/24 04:20 | 18          | 21                       | 39                       | 1                        | 8.8        | 85        | 1.3         | 358       | 17           |
| 24/05/24 04:25 | 23          | 17                       | 41                       | 1                        | 8.7        | 86        | 1.5         | 9         | 13           |
| 24/05/24 04:30 | 24          | 17                       | 42                       | 1                        | 8.5        | 87        | 1.5         | 355       | 9            |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 24/05/24 04:35                              | 24          | 19                       | 43                       | 1                        | 8.6        | 86        | 1.2         | 357       | 15           |
| 24/05/24 04:40                              | 26          | 19                       | 45                       | 1                        | 8.7        | 86        | 1.2         | 359       | 16           |
| 24/05/24 04:45                              | 46          | 20                       | 65                       | 1                        | 8.7        | 86        | 1.0         | 352       | 20           |
| 24/05/24 04:50                              | 59          | 23                       | 82                       | 1                        | 8.6        | 86        | 1.2         | 344       | 16           |
| 24/05/24 04:55                              | 67          | 20                       | 87                       | 1                        | 8.7        | 87        | 1.1         | 344       | 24           |
| 24/05/24 05:00                              | 69          | 20                       | 88                       | 1                        | 8.7        | 87        | 1.7         | 338       | 17           |
| 24/05/24 05:05                              | 69          | 20                       | 89                       | 1                        | 8.7        | 86        | 2.0         | 340       | 17           |
| 24/05/24 05:10                              | 67          | 19                       | 87                       | 1                        | 8.8        | 86        | 1.8         | 349       | 22           |
| 24/05/24 05:15                              | 65          | 19                       | 84                       | 1                        | 8.7        | 86        | 1.8         | 1         | 21           |
| 24/05/24 05:20                              | 64          | 19                       | 83                       | 1                        | 8.7        | 86        | 1.6         | 330       | 22           |
| 24/05/24 05:25                              | 63          | 19                       | 83                       | 1                        | 8.6        | 86        | 1.7         | 332       | 21           |
| 24/05/24 05:30                              | 64          | 20                       | 84                       | 1                        | 8.7        | 86        | 1.3         | 349       | 27           |
| 24/05/24 05:35                              | 64          | 20                       | 84                       | 1                        | 8.5        | 86        | 1.2         | 350       | 21           |
| 24/05/24 05:40                              | 65          | 20                       | 85                       | 1                        | 8.4        | 87        | 1.4         | 352       | 20           |
| 24/05/24 05:45                              | 66          | 20                       | 86                       | 1                        | 8.4        | 86        | 1.5         | 357       | 19           |
| 24/05/24 05:50                              | 68          | 20                       | 88                       | 1                        | 8.4        | 87        | 1.5         | 359       | 19           |
| 24/05/24 05:55                              | 70          | 20                       | 91                       | 1                        | 8.4        | 86        | 1.7         | 5         | 20           |
| 24/05/24 06:00                              | 77          | 26                       | 104                      | 1                        | 8.4        | 86        | 0.9         | 19        | 24           |
| 24/05/24 06:05                              | 93          | 20                       | 113                      | 1                        | 8.3        | 86        | 0.7         | 65        | 18           |
| 24/05/24 06:10                              | 93          | 20                       | 114                      | 1                        | 8.3        | 87        | 0.9         | 43        | 13           |
| 24/05/24 06:15                              | 89          | 21                       | 111                      | 1                        | 8.3        | 87        | 0.2         | 3         | 47           |
| 24/05/24 06:20                              | 83          | 22                       | 105                      | 1                        | 8.3        | 87        | 0.4         | 65        | 31           |
| 24/05/24 06:25                              | 72          | 25                       | 97                       | 1                        | 8.5        | 87        | 0.9         | 52        | 7            |
| 24/05/24 06:30                              | 73          | 24                       | 97                       | 1                        | 8.6        | 87        | 1.1         | 49        | 6            |
| 24/05/24 06:35                              | 75          | 22                       | 97                       | 1                        | 8.6        | 87        | 1.0         | 56        | 10           |
| 24/05/24 06:40                              | 75          | 20                       | 95                       | 1                        | 8.6        | 87        | 1.0         | 56        | 12           |
| 24/05/24 06:45                              | 70          | 21                       | 91                       | 1                        | 8.7        | 86        | 0.6         | 49        | 19           |
| 24/05/24 06:50                              | 63          | 20                       | 83                       | 1                        | 8.7        | 86        | 1.3         | 54        | 12           |
| 24/05/24 06:55                              | 60          | 20                       | 80                       | 1                        | 8.8        | 85        | 1.1         | 56        | 11           |
| 24/05/24 07:00                              | 61          | 20                       | 81                       | 1                        | 8.8        | 85        | 1.4         | 47        | 10           |
| 24/05/24 07:05                              | 60          | 19                       | 79                       | 1                        | 8.8        | 85        | 1.2         | 44        | 8            |
| 24/05/24 07:10                              | 61          | 19                       | 79                       | 1                        | 8.7        | 85        | 1.2         | 39        | 11           |
| 24/05/24 07:15                              | 63          | 18                       | 81                       | 1                        | 8.7        | 85        | 1.3         | 49        | 10           |
| 24/05/24 07:20                              | 77          | 15                       | 93                       | 1                        | 8.7        | 85        | 1.0         | 43        | 15           |
| 24/05/24 07:25                              | 84          | 21                       | 105                      | 1                        | 8.8        | 85        | 0.9         | 45        | 13           |
| 24/05/24 07:30                              | 92          | 22                       | 114                      | 2                        | 8.9        | 85        | 0.7         | 44        | 19           |
| 24/05/24 07:35                              | 95          | 22                       | 117                      | 2                        | 9.0        | 85        | 0.5         | 36        | 17           |
| 24/05/24 07:40                              | 94          | 21                       | 115                      | 2                        | 9.0        | 85        | 0.6         | 349       | 32           |
| 24/05/24 07:45                              | 82          | 21                       | 103                      | 2                        | 9.3        | 84        | 0.6         | 325       | 40           |
| 24/05/24 07:50                              | 84          | 22                       | 105                      | 2                        | 9.5        | 83        | 1.3         | 356       | 24           |
| 24/05/24 07:55                              | 95          | 24                       | 118                      | 2                        | 9.5        | 83        | 1.3         | 0         | 18           |
| 24/05/24 08:00                              | 94          | 23                       | 117                      | 2                        | 9.5        | 83        | 1.2         | 344       | 29           |
| 24/05/24 08:05                              | 90          | 23                       | 113                      | 2                        | 9.5        | 83        | 1.3         | 347       | 26           |
| 24/05/24 08:10                              | 91          | 23                       | 114                      | 1                        | 9.6        | 82        | 1.3         | 348       | 25           |
| 24/05/24 08:15                              | 93          | 23                       | 116                      | 1                        | 9.5        | 82        | 1.8         | 0         | 15           |
| 24/05/24 08:20                              | 93          | 23                       | 116                      | 1                        | 9.7        | 82        | 1.8         | 4         | 14           |
| 24/05/24 08:25                              | 91          | 23                       | 114                      | 1                        | 9.8        | 82        | 1.6         | 1         | 18           |
| 24/05/24 08:30                              | 82          | 26                       | 107                      | 2                        | 9.8        | 81        | 1.9         | 5         | 15           |
| 24/05/24 08:35                              | 72          | 26                       | 98                       | 2                        | 10.0       | 80        | 1.8         | 3         | 15           |
| 24/05/24 08:40                              | 72          | 26                       | 97                       | 1                        | 10.1       | 80        | 1.2         | 2         | 20           |
| 24/05/24 08:45                              | 71          | 26                       | 97                       | 1                        | 10.3       | 79        | 1.4         | 342       | 24           |
| 24/05/24 08:50                              | 72          | 25                       | 97                       | 1                        | 10.2       | 79        | 1.6         | 6         | 18           |
| 24/05/24 08:55                              | 75          | 24                       | 99                       | 2                        | 10.2       | 79        | 1.3         | 12        | 19           |
| 24/05/24 09:00                              | 74          | 25                       | 99                       | 2                        | 10.2       | 79        | 1.3         | 360       | 18           |
| 24/05/24 09:05                              | 76          | 26                       | 102                      | 2                        | 10.4       | 79        | 1.5         | 1         | 13           |
| 24/05/24 09:10                              | 85          | 28                       | 112                      | 2                        | 10.4       | 79        | 1.2         | 2         | 14           |
| 24/05/24 09:15                              | 95          | 28                       | 123                      | 2                        | 10.5       | 79        | 1.4         | 1         | 11           |
| 24/05/24 09:20                              | 99          | 26                       | 125                      | 2                        | 10.6       | 79        | 1.5         | 344       | 19           |
| 24/05/24 09:25                              | 102         | 25                       | 126                      | 2                        | 10.7       | 79        | 1.1         | 355       | 32           |
| 24/05/24 09:30                              | 103         | 26                       | 129                      | 2                        | 10.8       | 78        | 0.8         | 347       | 38           |
| 24/05/24 09:35                              | 106         | 27                       | 133                      | 2                        | 10.9       | 78        | 1.1         | 348       | 26           |
| 24/05/24 09:40                              | 113         | 31                       | 144                      | 2                        | 11.1       | 78        | 1.7         | 358       | 19           |
| 24/05/24 09:45                              | 114         | 31                       | 145                      | 2                        | 11.1       | 77        | 1.6         | 8         | 18           |
| 24/05/24 09:50                              | 108         | 32                       | 140                      | 2                        | 11.2       | 77        | 1.5         | 13        | 19           |
| 24/05/24 09:55                              | 100         | 30                       | 130                      | 2                        | 11.3       | 77        | 1.0         | 360       | 24           |
| 24/05/24 10:00                              | 98          | 29                       | 128                      | 2                        | 11.4       | 76        | 1.0         | 19        | 22           |
| 24/05/24 10:05                              | 97          | 29                       | 127                      | 2                        | 11.5       | 76        | 1.1         | 357       | 26           |
| 24/05/24 10:10                              | 97          | 29                       | 127                      | 2                        | 11.8       | 75        | 0.8         | 13        | 42           |
| 24/05/24 10:15                              | 96          | 29                       | 126                      | 2                        | 11.9       | 75        | 0.7         | 25        | 26           |
| 24/05/24 10:20                              | 95          | 29                       | 124                      | 2                        | 12.2       | 74        | 0.5         | 53        | 24           |
| 24/05/24 10:25                              | 93          | 29                       | 123                      | 2                        | 12.3       | 74        | 0.6         | 56        | 22           |
| 24/05/24 10:30                              | 92          | 30                       | 121                      | 2                        | 12.5       | 74        | 0.6         | 356       | 39           |
| 24/05/24 10:35                              | 90          | 30                       | 120                      | 2                        | 12.7       | 74        | 0.1         | 290       | 82           |
| 24/05/24 10:40                              | 84          | 31                       | 115                      | 2                        | 13.0       | 73        | 0.5         | 24        | 36           |
| 24/05/24 10:45                              | 68          | 30                       | 99                       | 2                        | 13.0       | 74        | 0.6         | 23        | 26           |
| 24/05/24 10:50                              | 63          | 27                       | 90                       | 2                        | 13.2       | 76        | 0.5         | 212       | 49           |
| 24/05/24 10:55                              | 60          | 30                       | 89                       | 2                        | 13.4       | 75        | 0.5         | 161       | 47           |
| 24/05/24 11:00                              | 48          | 27                       | 75                       | 2                        | 13.5       | 75        | 0.6         | 199       | 18           |
| 24/05/24 11:05                              | 49          | 28                       | 77                       | 2                        | 13.6       | 75        | 0.9         | 173       | 27           |
| 24/05/24 11:10                              | 51          | 29                       | 80                       | 2                        | 13.7       | 74        | 0.7         | 207       | 24           |
| 24/05/24 11:15                              | 52          | 30                       | 82                       | 2                        | 13.6       | 75        | 0.7         | 156       | 32           |
| 24/05/24 11:20                              | 53          | 31                       | 84                       | 2                        | 14.0       | 74        | 0.7         | 162       | 31           |
| 24/05/24 11:25                              | 53          | 29                       | 82                       | 2                        | 14.1       | 73        | 0.8         | 174       | 25           |
| 24/05/24 11:30                              | 49          | 25                       | 74                       | 2                        | 13.9       | 73        | 0.4         | 190       | 50           |
| 24/05/24 11:35                              | 43          | 29                       | 72                       | 2                        | 13.9       | 74        | 1.0         | 202       | 21           |
| 24/05/24 11:40                              | 42          | 30                       | 72                       | 2                        | 13.5       | 75        | 1.0         | 209       | 7            |
| 24/05/24 11:45                              | 41          | 30                       | 71                       | 2                        | 13.3       | 76        | 0.7         | 236       | 15           |
| 24/05/24 11:50                              | 40          | 30                       | 70                       | 2                        | 13.2       | 77        | 0.8         | 229       | 13           |
| 24/05/24 11:55                              | 39          | 31                       | 70                       | 2                        | 13.2       | 77        | 0.4         | 241       | 29           |
| 24/05/24 12:00                              | 38          | 30                       | 67                       | 2                        | 13.6       | 76        | 0.7         | 198       | 14           |
| 24/05/24 12:05                              | 33          | 29                       | 62                       | 2                        | 13.9       | 75        | 0.7         | 203       | 15           |
| 24/05/24 12:10                              | 41          | 31                       | 71                       | 2                        | 14.0       | 75        | 0.9         | 197       | 10           |
| 24/05/24 12:15                              | 23          | 21                       | 44                       | 2                        | 14.0       | 76        | 1.0         | 209       | 13           |
| 24/05/24 12:20                              | 23          | 21                       | 44                       | 2                        | 14.0       | 77        | 1.1         | 179       | 23           |
| 24/05/24 12:25                              | 32          | 24                       | 56                       | 2                        | 14.6       | 74        | 0.7         | 169       | 31           |
| 24/05/24 12:30                              | 24          | 23                       | 47                       | 2                        | 14.7       | 74        | 1.3         | 213       | 11           |
| 24/05/24 12:35                              | 23          | 25                       | 49                       | 2                        | 14.1       | 77        | 1.3         | 181       | 29           |
| 24/05/24 12:40                              | 26          | 26                       | 52                       | 2                        | 14.3       | 77        | 1.2         | 128       | 18           |
| 24/05/24 12:45                              | 11          | 20                       | 32                       | 2                        | 14.4       | 78        | 1.4         | 123       | 16           |
| 24/05/24 12:50                              | 18          | 22                       | 39                       | 2                        | 14.4       | 79        | 0.7         | 179       | 38           |
| 24/05/24 12:55                              | 10          | 15                       | 25                       | 2                        | 14.5       | 79        | 1.0         | 173       | 25           |
| 24/05/24 13:00                              | 13          | 19                       | 33                       | 2                        | 14.6       | 78        | 0.9         | 167       | 33           |
| 24/05/24 13:05                              | 17          | 18                       | 35                       | 2                        | 14.6       | 78        | 1.3         | 159       | 28           |
| 24/05/24 13:10                              | 11          | 17                       | 28                       | 2                        | 14.4       | 78        | 1.4         | 168       | 22           |
| 24/05/24 13:15                              | 10          | 17                       | 27                       | 1                        | 14.3       | 79        | 1.2         | 165       | 22           |
| 24/05/24 13:20                              | 16          | 21                       | 37                       | 1                        | 14.3       | 80        | 1.2         | 155       | 26           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 24/05/24 13:25                              | 17          | 19                       | 36                       | 1                        | 14.4       | 80        | 1.0         | 152       | 20           |
| 24/05/24 13:30                              | 11          | 17                       | 28                       | 1                        | 14.5       | 79        | 0.9         | 160       | 27           |
| 24/05/24 13:35                              | 11          | 14                       | 26                       | 1                        | 14.7       | 79        | 0.8         | 154       | 31           |
| 24/05/24 13:40                              | 6           | 15                       | 22                       | 1                        | 14.6       | 80        | 1.5         | 206       | 15           |
| 24/05/24 13:45                              | 5           | 11                       | 16                       | 1                        | 14.2       | 82        | 1.3         | 194       | 18           |
| 24/05/24 13:50                              | 5           | 11                       | 15                       | 1                        | 14.4       | 81        | 1.1         | 162       | 22           |
| 24/05/24 13:55                              | 5           | 11                       | 16                       | 1                        | 14.5       | 80        | 1.1         | 153       | 15           |
| 24/05/24 14:00                              | 5           | 10                       | 15                       | 1                        | 14.5       | 80        | 0.8         | 135       | 30           |
| 24/05/24 14:05                              | 5           | 10                       | 15                       | 1                        | 14.6       | 80        | 0.8         | 156       | 28           |
| 24/05/24 14:10                              | 5           | 9                        | 14                       | 1                        | 14.8       | 80        | 0.8         | 150       | 31           |
| 24/05/24 14:15                              | 4           | 10                       | 14                       | 1                        | 14.8       | 80        | 0.7         | 152       | 30           |
| 24/05/24 14:20                              | 2           | 9                        | 11                       | 1                        | 14.7       | 79        | 0.8         | 152       | 29           |
| 24/05/24 14:25                              | 3           | 9                        | 12                       | 1                        | 14.7       | 80        | 0.9         | 159       | 28           |
| 24/05/24 14:30                              | 3           | 9                        | 12                       | 1                        | 14.7       | 80        | 1.0         | 212       | 26           |
| 24/05/24 14:35                              | 2           | 6                        | 9                        | 1                        | 14.1       | 83        | 1.4         | 214       | 11           |
| 24/05/24 14:40                              | 2           | 6                        | 8                        | 1                        | 14.1       | 84        | 1.0         | 197       | 21           |
| 24/05/24 14:45                              | 2           | 8                        | 10                       | 1                        | 14.1       | 84        | 1.1         | 117       | 14           |
| 24/05/24 14:50                              | 3           | 8                        | 11                       | 1                        | 14.1       | 84        | 1.0         | 134       | 22           |
| 24/05/24 14:55                              | 4           | 9                        | 12                       | 1                        | 14.2       | 84        | 0.9         | 134       | 23           |
| 24/05/24 15:00                              | 4           | 11                       | 15                       | 1                        | 14.2       | 84        | 1.0         | 126       | 24           |
| 24/05/24 15:05                              | 4           | 15                       | 19                       | 1                        | 14.3       | 84        | 0.9         | 134       | 23           |
| 24/05/24 15:10                              | 5           | 16                       | 21                       | 1                        | 14.3       | 84        | 1.0         | 140       | 18           |
| 24/05/24 15:15                              | 6           | 17                       | 23                       | 1                        | 14.4       | 84        | 1.1         | 130       | 23           |
| 24/05/24 15:20                              | 6           | 13                       | 19                       | 1                        | 14.2       | 84        | 1.1         | 144       | 28           |
| 24/05/24 15:25                              | 9           | 21                       | 30                       | 1                        | 14.2       | 85        | 0.9         | 148       | 28           |
| 24/05/24 15:30                              | 8           | 16                       | 24                       | 1                        | 14.2       | 85        | 1.1         | 124       | 24           |
| 24/05/24 15:35                              | 5           | 12                       | 18                       | 1                        | 14.2       | 85        | 1.3         | 143       | 18           |
| 24/05/24 15:40                              | 7           | 13                       | 20                       | 1                        | 14.2       | 85        | 0.7         | 150       | 33           |
| 24/05/24 15:45                              | 6           | 14                       | 20                       | 1                        | 14.2       | 85        | 0.8         | 143       | 29           |
| 24/05/24 15:50                              | 7           | 14                       | 22                       | 1                        | 14.2       | 85        | 0.6         | 150       | 33           |
| 24/05/24 15:55                              | 3           | 9                        | 11                       | 1                        | 14.2       | 86        | 0.9         | 176       | 24           |
| 24/05/24 16:00                              | 2           | 8                        | 10                       | 1                        | 14.2       | 86        | 0.6         | 172       | 26           |
| 24/05/24 16:05                              | 2           | 8                        | 10                       | 1                        | 14.3       | 87        | 0.7         | 187       | 26           |
| 24/05/24 16:10                              | 2           | 8                        | 10                       | 1                        | 14.3       | 86        | 0.6         | 167       | 39           |
| 24/05/24 16:15                              | 3           | 10                       | 14                       | 1                        | 14.3       | 87        | 0.8         | 192       | 19           |
| 24/05/24 16:20                              | 6           | 10                       | 16                       | 1                        | 14.2       | 88        | 1.1         | 200       | 12           |
| 24/05/24 16:25                              | 3           | 9                        | 12                       | 1                        | 14.0       | 89        | 0.7         | 197       | 22           |
| 24/05/24 16:30                              | 4           | 9                        | 13                       | 1                        | 14.1       | 89        | 0.6         | 124       | 24           |
| 24/05/24 16:35                              | 2           | 9                        | 11                       | 1                        | 14.1       | 89        | 0.7         | 121       | 16           |
| 24/05/24 16:40                              | 1           | 9                        | 10                       | 1                        | 14.0       | 89        | 1.5         | 189       | 17           |
| 24/05/24 16:45                              | 1           | 5                        | 6                        | 1                        | 14.1       | 85        | 3.1         | 190       | 9            |
| 24/05/24 16:50                              | 1           | 2                        | 3                        | 1                        | 14.5       | 80        | 3.1         | 191       | 8            |
| 24/05/24 16:55                              | 0           | 2                        | 2                        | 1                        | 14.6       | 79        | 2.8         | 183       | 10           |
| 24/05/24 17:00                              | 0           | 2                        | 2                        | 1                        | 14.7       | 80        | 2.7         | 186       | 10           |
| 24/05/24 17:05                              | 0           | 2                        | 2                        | 1                        | 14.7       | 79        | 3.2         | 182       | 10           |
| 24/05/24 17:10                              | 0           | 2                        | 2                        | 1                        | 14.6       | 81        | 3.5         | 187       | 8            |
| 24/05/24 17:15                              | 0           | 1                        | 2                        | 1                        | 14.7       | 81        | 3.6         | 189       | 10           |
| 24/05/24 17:20                              | 0           | 1                        | 2                        | 1                        | 14.6       | 80        | 3.1         | 186       | 10           |
| 24/05/24 17:25                              | 0           | 1                        | 1                        | 1                        | 14.7       | 80        | 3.6         | 188       | 11           |
| 24/05/24 17:30                              | 0           | 1                        | 1                        | 1                        | 14.6       | 79        | 3.6         | 189       | 9            |
| 24/05/24 17:35                              | 0           | 1                        | 1                        | 1                        | 14.7       | 79        | 3.8         | 186       | 8            |
| 24/05/24 17:40                              | 0           | 1                        | 1                        | 1                        | 14.6       | 79        | 3.5         | 187       | 10           |
| 24/05/24 17:45                              | 0           | 1                        | 1                        | 1                        | 14.7       | 79        | 3.5         | 189       | 8            |
| 24/05/24 17:50                              | 0           | 1                        | 1                        | 1                        | 14.6       | 79        | 3.5         | 186       | 8            |
| 24/05/24 17:55                              | 0           | 1                        | 1                        | 1                        | 14.6       | 79        | 3.5         | 192       | 8            |
| 24/05/24 18:00                              | 0           | 1                        | 1                        | 1                        | 14.6       | 79        | 3.9         | 188       | 7            |
| 24/05/24 18:05                              | 0           | 1                        | 1                        | 1                        | 14.6       | 78        | 3.9         | 189       | 6            |
| 24/05/24 18:10                              | 0           | 1                        | 1                        | 0                        | 14.5       | 78        | 4.1         | 186       | 7            |
| 24/05/24 18:15                              | 0           | 1                        | 1                        | 1                        | 14.6       | 78        | 3.5         | 188       | 9            |
| 24/05/24 18:20                              | 0           | 2                        | 2                        | 0                        | 14.5       | 78        | 3.7         | 190       | 7            |
| 24/05/24 18:25                              | 0           | 3                        | 3                        | 0                        | 14.6       | 78        | 3.7         | 190       | 9            |
| 24/05/24 18:30                              | 0           | 7                        | 8                        | 0                        | 14.5       | 79        | 3.5         | 187       | 9            |
| 24/05/24 18:35                              | 0           | 14                       | 15                       | 0                        | 14.5       | 78        | 3.5         | 188       | 7            |
| 24/05/24 18:40                              | 0           | 15                       | 15                       | 0                        | 14.6       | 78        | 3.7         | 189       | 8            |
| 24/05/24 18:45                              | 1           | 15                       | 15                       | 0                        | 14.6       | 78        | 3.8         | 186       | 11           |
| 24/05/24 18:50                              | 0           | 11                       | 11                       | 1                        | 14.5       | 78        | 3.5         | 187       | 8            |
| 24/05/24 18:55                              | 0           | 9                        | 10                       | 1                        | 14.6       | 78        | 3.7         | 188       | 10           |
| 24/05/24 19:00                              | 0           | 3                        | 4                        | 1                        | 14.6       | 79        | 3.1         | 187       | 11           |
| 24/05/24 19:05                              | 0           | 2                        | 2                        | 1                        | 14.6       | 78        | 3.3         | 186       | 10           |
| 24/05/24 19:10                              | 0           | 1                        | 2                        | 1                        | 14.7       | 77        | 3.5         | 186       | 9            |
| 24/05/24 19:15                              | 0           | 1                        | 2                        | 1                        | 14.8       | 77        | 3.3         | 187       | 9            |
| 24/05/24 19:20                              | 0           | 1                        | 1                        | 0                        | 14.7       | 77        | 2.7         | 186       | 13           |
| 24/05/24 19:25                              | 0           | 1                        | 1                        | 0                        | 14.8       | 77        | 2.7         | 184       | 10           |
| 24/05/24 19:30                              | 0           | 1                        | 1                        | 0                        | 14.8       | 78        | 2.4         | 182       | 13           |
| 24/05/24 19:35                              | 0           | 1                        | 1                        | 0                        | 14.8       | 77        | 2.4         | 185       | 13           |
| 24/05/24 19:40                              | 0           | 1                        | 1                        | 0                        | 14.7       | 77        | 2.6         | 183       | 12           |
| 24/05/24 19:45                              | 0           | 1                        | 1                        | 0                        | 14.9       | 77        | 2.7         | 185       | 11           |
| 24/05/24 19:50                              | 0           | 1                        | 1                        | 1                        | 14.8       | 78        | 1.8         | 180       | 18           |
| 24/05/24 19:55                              | 0           | 1                        | 1                        | 1                        | 14.8       | 77        | 2.6         | 183       | 11           |
| 24/05/24 20:00                              | 0           | 1                        | 1                        | 1                        | 14.8       | 78        | 2.2         | 179       | 18           |
| 24/05/24 20:05                              | 0           | 1                        | 1                        | 1                        | 14.8       | 78        | 2.2         | 179       | 15           |
| 24/05/24 20:10                              | 0           | 1                        | 1                        | 1                        | 14.9       | 78        | 2.4         | 174       | 20           |
| 24/05/24 20:15                              | 0           | 1                        | 1                        | 1                        | 14.8       | 79        | 2.3         | 176       | 20           |
| 24/05/24 20:20                              | 0           | 1                        | 1                        | 1                        | 14.8       | 78        | 1.9         | 172       | 20           |
| 24/05/24 20:25                              | 0           | 1                        | 1                        | 1                        | 14.7       | 79        | 1.8         | 171       | 24           |
| 24/05/24 20:30                              | 0           | 1                        | 1                        | 1                        | 14.7       | 79        | 1.6         | 178       | 24           |
| 24/05/24 20:35                              | 0           | 1                        | 1                        | 1                        | 14.7       | 80        | 1.8         | 176       | 20           |
| 24/05/24 20:40                              | 0           | 1                        | 1                        | 1                        | 14.7       | 80        | 1.6         | 175       | 23           |
| 24/05/24 20:45                              | 0           | 1                        | 1                        | 1                        | 14.8       | 81        | 1.4         | 165       | 29           |
| 24/05/24 20:50                              | 0           | 1                        | 1                        | 1                        | 14.7       | 82        | 1.2         | 124       | 19           |
| 24/05/24 20:55                              | 0           | 2                        | 2                        | 1                        | 14.7       | 81        | 1.7         | 128       | 17           |
| 24/05/24 21:00                              | 0           | 2                        | 2                        | 1                        | 14.6       | 81        | 1.6         | 142       | 15           |
| 24/05/24 21:05                              | 0           | 2                        | 2                        | 0                        | 14.6       | 81        | 1.6         | 137       | 17           |
| 24/05/24 21:10                              | 0           | 2                        | 2                        | 0                        | 14.6       | 81        | 1.9         | 128       | 16           |
| 24/05/24 21:15                              | 0           | 2                        | 2                        | 0                        | 14.6       | 82        | 1.8         | 113       | 13           |
| 24/05/24 21:20                              | 0           | 2                        | 2                        | 0                        | 14.5       | 82        | 2.3         | 114       | 8            |
| 24/05/24 21:25                              | 0           | 2                        | 3                        | 0                        | 14.5       | 83        | 2.3         | 112       | 7            |
| 24/05/24 21:30                              | 0           | 3                        | 3                        | 0                        | 14.4       | 83        | 1.3         | 118       | 21           |
| 24/05/24 21:35                              | 0           | 4                        | 4                        | 0                        | 14.4       | 83        | 1.6         | 130       | 18           |
| 24/05/24 21:40                              | 0           | 4                        | 5                        | 0                        | 14.4       | 83        | 1.9         | 147       | 18           |
| 24/05/24 21:45                              | 0           | 5                        | 5                        | 0                        | 14.5       | 83        | 2.1         | 140       | 13           |
| 24/05/24 21:50                              | 0           | 5                        | 5                        | 1                        | 14.4       | 83        | 1.9         | 140       | 17           |
| 24/05/24 21:55                              | 0           | 5                        | 6                        | 1                        | 14.4       | 83        | 1.7         | 141       | 19           |
| 24/05/24 22:00                              | 0           | 6                        | 6                        | 1                        | 14.4       | 84        | 1.7         | 145       | 16           |
| 24/05/24 22:05                              | 0           | 6                        | 6                        | 0                        | 14.4       | 84        | 1.8         | 128       | 17           |
| 24/05/24 22:10                              | 0           | 5                        | 5                        | 0                        | 14.4       | 84        | 1.9         | 126       | 16           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 24/05/24 22:15                              | 0           | 5                        | 5                        | 0                        | 14.3       | 85        | 1.7         | 138       | 16           |
| 24/05/24 22:20                              | 0           | 5                        | 5                        | 0                        | 14.3       | 84        | 2.3         | 146       | 17           |
| 24/05/24 22:25                              | 0           | 5                        | 5                        | 0                        | 14.2       | 84        | 2.1         | 147       | 18           |
| 24/05/24 22:30                              | 0           | 5                        | 5                        | 0                        | 14.2       | 84        | 2.3         | 142       | 17           |
| 24/05/24 22:35                              | 0           | 5                        | 5                        | 1                        | 14.2       | 84        | 2.0         | 151       | 19           |
| 24/05/24 22:40                              | 0           | 4                        | 5                        | 0                        | 14.1       | 84        | 1.4         | 159       | 24           |
| 24/05/24 22:45                              | 0           | 4                        | 4                        | 0                        | 14.1       | 84        | 1.6         | 144       | 17           |
| 24/05/24 22:50                              | 0           | 4                        | 4                        | 0                        | 14.2       | 85        | 1.3         | 157       | 25           |
| 24/05/24 22:55                              | 0           | 4                        | 4                        | 0                        | 14.1       | 85        | 1.3         | 148       | 23           |
| 24/05/24 23:00                              | 0           | 3                        | 3                        | 0                        | 14.1       | 85        | 1.7         | 145       | 14           |
| 24/05/24 23:05                              | 0           | 3                        | 3                        | 0                        | 14.1       | 85        | 1.7         | 148       | 19           |
| 24/05/24 23:10                              | 0           | 3                        | 3                        | 0                        | 14.2       | 85        | 1.7         | 149       | 15           |
| 24/05/24 23:15                              | 0           | 3                        | 3                        | 0                        | 14.1       | 86        | 1.4         | 144       | 18           |
| 24/05/24 23:20                              | 0           | 3                        | 3                        | 0                        | 14.0       | 86        | 1.5         | 145       | 14           |
| 24/05/24 23:25                              | 0           | 3                        | 3                        | 0                        | 14.0       | 87        | 1.1         | 150       | 20           |
| 24/05/24 23:30                              | 0           | 3                        | 3                        | 0                        | 13.9       | 87        | 1.1         | 147       | 20           |
| 24/05/24 23:35                              | 0           | 3                        | 3                        | 0                        | 13.8       | 88        | 1.0         | 143       | 20           |
| 24/05/24 23:40                              | 0           | 3                        | 3                        | 0                        | 13.8       | 88        | 1.1         | 132       | 18           |
| 24/05/24 23:45                              | 0           | 3                        | 3                        | 0                        | 13.9       | 89        | 1.3         | 128       | 14           |
| 24/05/24 23:50                              | 0           | 3                        | 3                        | 0                        | 13.8       | 89        | 1.3         | 126       | 16           |
| 24/05/24 23:55                              | 0           | 4                        | 4                        | 0                        | 13.7       | 89        | 1.7         | 101       | 7            |
| 25/05/24 00:00                              | 0           | 5                        | 5                        | 0                        | 13.3       | 89        | 1.8         | 105       | 7            |
| 25/05/24 00:05                              | 0           | 6                        | 7                        | 1                        | 13.2       | 89        | 1.6         | 103       | 6            |
| 25/05/24 00:10                              | 0           | 8                        | 8                        | 1                        | 13.1       | 90        | 1.2         | 104       | 10           |
| 25/05/24 00:15                              | 0           | 9                        | 9                        | 1                        | 13.0       | 90        | 0.8         | 113       | 16           |
| 25/05/24 00:20                              | 0           | 9                        | 9                        | 1                        | 13.0       | 91        | 0.6         | 123       | 25           |
| 25/05/24 00:25                              | 0           | 10                       | 10                       | 1                        | 13.1       | 92        | 0.9         | 168       | 26           |
| 25/05/24 00:30                              | 0           | 9                        | 9                        | 1                        | 13.3       | 94        | 1.3         | 145       | 22           |
| 25/05/24 00:35                              | 0           | 7                        | 7                        | 1                        | 13.5       | 94        | 1.7         | 139       | 18           |
| 25/05/24 00:40                              | 0           | 6                        | 6                        | 1                        | 13.6       | 93        | 1.8         | 143       | 16           |
| 25/05/24 00:45                              | 0           | 5                        | 5                        | 1                        | 13.6       | 93        | 1.5         | 149       | 23           |
| 25/05/24 00:50                              | 0           | 5                        | 5                        | 1                        | 13.6       | 93        | 1.5         | 140       | 20           |
| 25/05/24 00:55                              | 0           | 5                        | 5                        | 1                        | 13.7       | 93        | 1.2         | 133       | 23           |
| 25/05/24 01:00                              | 0           | 5                        | 5                        | 1                        | 13.6       | 92        | 1.0         | 100       | 21           |
| 25/05/24 01:05                              |             |                          |                          |                          | 13.3       | 92        | 0.8         | 72        | 14           |
| 25/05/24 01:10                              |             |                          |                          |                          | 13.2       | 93        | 0.6         | 60        | 12           |
| 25/05/24 01:15                              |             |                          |                          |                          | 12.9       | 93        | 0.5         | 55        | 15           |
| 25/05/24 01:20                              |             |                          |                          |                          | 12.6       | 92        | 0.8         | 75        | 14           |
| 25/05/24 01:25                              |             |                          |                          |                          | 12.5       | 93        | 0.6         | 68        | 10           |
| 25/05/24 01:30                              |             |                          |                          |                          | 12.3       | 93        | 0.6         | 82        | 8            |
| 25/05/24 01:35                              |             |                          |                          |                          | 12.1       | 94        | 0.7         | 81        | 10           |
| 25/05/24 01:40                              |             |                          |                          |                          | 12.2       | 94        | 1.0         | 58        | 10           |
| 25/05/24 01:45                              |             |                          |                          |                          | 12.2       | 94        | 1.0         | 56        | 8            |
| 25/05/24 01:50                              |             |                          |                          |                          | 12.1       | 94        | 1.0         | 34        | 16           |
| 25/05/24 01:55                              |             |                          |                          |                          | 12.1       | 95        | 1.1         | 5         | 13           |
| 25/05/24 02:00                              |             |                          |                          |                          | 12.1       | 94        | 0.9         | 353       | 27           |
| 25/05/24 02:05                              | 30          | 21                       | 51                       |                          | 12.1       | 93        | 0.6         | 355       | 30           |
| 25/05/24 02:10                              | 31          | 21                       | 52                       | 0                        | 12.0       | 93        | 0.9         | 324       | 10           |
| 25/05/24 02:15                              | 32          | 21                       | 54                       | 0                        | 12.1       | 93        | 1.3         | 311       | 10           |
| 25/05/24 02:20                              | 39          | 20                       | 59                       | 0                        | 12.1       | 91        | 1.0         | 318       | 12           |
| 25/05/24 02:25                              | 47          | 21                       | 67                       | 0                        | 11.8       | 91        | 0.6         | 325       | 14           |
| 25/05/24 02:30                              | 47          | 22                       | 69                       | 0                        | 11.8       | 91        | 0.8         | 332       | 11           |
| 25/05/24 02:35                              | 48          | 22                       | 70                       | 1                        | 11.8       | 91        | 0.9         | 309       | 13           |
| 25/05/24 02:40                              | 47          | 22                       | 69                       | 0                        | 11.8       | 91        | 0.7         | 320       | 14           |
| 25/05/24 02:45                              | 46          | 22                       | 68                       | 0                        | 11.8       | 91        | 0.9         | 322       | 20           |
| 25/05/24 02:50                              | 45          | 21                       | 67                       | 1                        | 11.7       | 90        | 1.0         | 317       | 18           |
| 25/05/24 02:55                              | 43          | 21                       | 64                       | 1                        | 11.8       | 90        | 0.4         | 14        | 44           |
| 25/05/24 03:00                              | 43          | 21                       | 64                       | 1                        | 11.7       | 90        | 0.3         | 171       | 67           |
| 25/05/24 03:05                              | 39          | 19                       | 59                       | 1                        | 11.9       | 91        | 1.0         | 265       | 16           |
| 25/05/24 03:10                              | 25          | 20                       | 45                       | 0                        | 12.0       | 91        | 0.6         | 250       | 28           |
| 25/05/24 03:15                              | 16          | 21                       | 38                       | 0                        | 12.2       | 92        | 1.4         | 137       | 35           |
| 25/05/24 03:20                              | 9           | 20                       | 28                       | 0                        | 12.3       | 92        | 1.6         | 103       | 17           |
| 25/05/24 03:25                              | 5           | 17                       | 22                       | 0                        | 12.3       | 93        | 1.7         | 105       | 18           |
| 25/05/24 03:30                              | 11          | 20                       | 31                       | 0                        | 12.2       | 93        | 2.0         | 97        | 13           |
| 25/05/24 03:35                              | 8           | 18                       | 26                       | 0                        | 12.0       | 94        | 2.0         | 102       | 6            |
| 25/05/24 03:40                              | 7           | 18                       | 24                       | 0                        | 11.9       | 94        | 1.6         | 83        | 12           |
| 25/05/24 03:45                              | 6           | 18                       | 24                       | 0                        | 11.8       | 95        | 1.9         | 104       | 10           |
| 25/05/24 03:50                              | 5           | 18                       | 23                       | 0                        | 11.9       | 96        | 2.1         | 113       | 8            |
| 25/05/24 03:55                              | 4           | 18                       | 22                       | 0                        | 11.9       | 97        | 2.3         | 109       | 6            |
| 25/05/24 04:00                              | 3           | 18                       | 21                       | 0                        | 11.8       | 97        | 2.2         | 112       | 8            |
| 25/05/24 04:05                              | 3           | 18                       | 20                       | 0                        | 11.8       | 97        | 2.1         | 111       | 7            |
| 25/05/24 04:10                              | 2           | 18                       | 20                       | 0                        | 11.7       | 97        | 1.8         | 113       | 7            |
| 25/05/24 04:15                              | 2           | 17                       | 19                       | 0                        | 11.7       | 97        | 1.5         | 114       | 7            |
| 25/05/24 04:20                              | 2           | 17                       | 19                       | 0                        | 11.8       | 97        | 1.3         | 104       | 11           |
| 25/05/24 04:25                              | 1           | 17                       | 18                       | 0                        | 11.7       | 97        | 1.3         | 106       | 9            |
| 25/05/24 04:30                              | 1           | 17                       | 18                       | 0                        | 11.6       | 97        | 1.5         | 101       | 8            |
| 25/05/24 04:35                              | 1           | 17                       | 18                       | 0                        | 11.6       | 97        | 1.4         | 94        | 11           |
| 25/05/24 04:40                              | 1           | 17                       | 18                       | 0                        | 11.6       | 97        | 1.2         | 99        | 13           |
| 25/05/24 04:45                              | 1           | 17                       | 18                       | 0                        | 11.6       | 97        | 1.5         | 99        | 9            |
| 25/05/24 04:50                              | 1           | 17                       | 18                       | 0                        | 11.6       | 97        | 1.3         | 103       | 12           |
| 25/05/24 04:55                              | 2           | 17                       | 19                       | 0                        | 11.6       | 97        | 1.4         | 96        | 8            |
| 25/05/24 05:00                              | 2           | 17                       | 19                       | 0                        | 11.6       | 97        | 1.2         | 94        | 7            |
| 25/05/24 05:05                              | 2           | 18                       | 20                       | 0                        | 11.6       | 97        | 1.3         | 98        | 9            |
| 25/05/24 05:10                              | 2           | 18                       | 20                       | 0                        | 11.6       | 97        | 1.3         | 102       | 7            |
| 25/05/24 05:15                              | 3           | 18                       | 21                       | 0                        | 11.6       | 97        | 0.9         | 87        | 14           |
| 25/05/24 05:20                              | 3           | 18                       | 21                       | 0                        | 11.6       | 97        | 0.7         | 85        | 15           |
| 25/05/24 05:25                              | 3           | 18                       | 21                       | 0                        | 11.7       | 97        | 0.6         | 88        | 17           |
| 25/05/24 05:30                              | 3           | 17                       | 21                       | 0                        | 11.6       | 97        | 1.0         | 87        | 14           |
| 25/05/24 05:35                              | 4           | 17                       | 21                       | 0                        | 11.7       | 97        | 1.0         | 65        | 18           |
| 25/05/24 05:40                              | 4           | 17                       | 21                       | 0                        | 11.6       | 96        | 1.2         | 56        | 11           |
| 25/05/24 05:45                              | 4           | 18                       | 22                       | 0                        | 11.7       | 96        | 0.8         | 42        | 13           |
| 25/05/24 05:50                              | 5           | 18                       | 22                       | 0                        | 11.6       | 96        | 0.9         | 37        | 9            |
| 25/05/24 05:55                              | 6           | 18                       | 23                       | 0                        | 11.6       | 96        | 0.5         | 29        | 18           |
| 25/05/24 06:00                              | 6           | 18                       | 24                       | 0                        | 11.7       | 96        | 0.3         | 26        | 32           |
| 25/05/24 06:05                              | 8           | 18                       | 25                       | 0                        | 11.6       | 95        | 0.3         | 29        | 39           |
| 25/05/24 06:10                              | 9           | 18                       | 27                       | 0                        | 11.6       | 95        | 0.2         | 327       | 67           |
| 25/05/24 06:15                              | 13          | 16                       | 29                       | 0                        | 11.6       | 94        | 0.9         | 325       | 23           |
| 25/05/24 06:20                              | 18          | 14                       | 33                       | 0                        | 11.6       | 93        | 1.1         | 320       | 21           |
| 25/05/24 06:25                              | 19          | 20                       | 39                       | 0                        | 11.7       | 92        | 1.2         | 321       | 22           |
| 25/05/24 06:30                              | 19          | 19                       | 38                       | 0                        | 11.7       | 91        | 1.0         | 358       | 20           |
| 25/05/24 06:35                              | 19          | 19                       | 38                       | 0                        | 11.7       | 91        | 0.6         | 342       | 32           |
| 25/05/24 06:40                              | 20          | 19                       | 39                       | 0                        | 11.7       | 91        | 0.9         | 357       | 17           |
| 25/05/24 06:45                              | 22          | 20                       | 41                       | 0                        | 11.8       | 90        | 0.8         | 10        | 22           |
| 25/05/24 06:50                              | 26          | 20                       | 46                       | 0                        | 11.9       | 90        | 0.7         | 4         | 39           |
| 25/05/24 06:55                              | 32          | 19                       | 51                       | 0                        | 11.9       | 91        | 0.7         | 348       | 26           |
| 25/05/24 07:00                              | 33          | 20                       | 52                       | 1                        | 12.0       | 92        | 0.5         | 353       | 43           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 25/05/24 07:05 | 34          | 20                       | 54                       | 1                        | 12.0       | 92        | 0.7         | 4         | 32           |
| 25/05/24 07:10 | 33          | 19                       | 53                       | 0                        | 12.1       | 92        | 0.8         | 18        | 22           |
| 25/05/24 07:15 | 27          | 22                       | 49                       | 0                        | 12.0       | 92        | 0.7         | 354       | 31           |
| 25/05/24 07:20 | 19          | 20                       | 39                       | 0                        | 12.0       | 92        | 0.6         | 328       | 39           |
| 25/05/24 07:25 | 15          | 19                       | 34                       | 0                        | 12.1       | 92        | 0.7         | 19        | 23           |
| 25/05/24 07:30 | 15          | 19                       | 34                       | 0                        | 12.0       | 92        | 0.5         | 298       | 47           |
| 25/05/24 07:35 | 15          | 20                       | 35                       | 0                        | 12.1       | 91        | 0.6         | 19        | 34           |
| 25/05/24 07:40 | 16          | 20                       | 36                       | 0                        | 12.1       | 91        | 0.8         | 315       | 29           |
| 25/05/24 07:45 | 14          | 12                       | 27                       | 0                        | 12.1       | 89        | 1.9         | 308       | 19           |
| 25/05/24 07:50 | 4           | 10                       | 14                       | 0                        | 12.2       | 88        | 1.7         | 316       | 12           |
| 25/05/24 07:55 | 2           | 11                       | 13                       | 0                        | 12.3       | 88        | 1.1         | 307       | 19           |
| 25/05/24 08:00 | 2           | 12                       | 14                       | 0                        | 12.4       | 88        | 1.3         | 310       | 14           |
| 25/05/24 08:05 | 2           | 14                       | 16                       | 0                        | 12.4       | 88        | 0.9         | 343       | 26           |
| 25/05/24 08:10 | 3           | 17                       | 20                       | 0                        | 12.3       | 88        | 1.1         | 325       | 22           |
| 25/05/24 08:15 | 4           | 19                       | 23                       | 0                        | 12.4       | 88        | 0.7         | 319       | 26           |
| 25/05/24 08:20 | 5           | 19                       | 24                       | 0                        | 12.3       | 88        | 1.1         | 4         | 17           |
| 25/05/24 08:25 | 8           | 21                       | 29                       | 0                        | 12.4       | 88        | 0.9         | 324       | 32           |
| 25/05/24 08:30 | 17          | 21                       | 37                       | 0                        | 12.5       | 88        | 0.7         | 308       | 30           |
| 25/05/24 08:35 | 17          | 20                       | 37                       | 0                        | 12.5       | 87        | 0.9         | 348       | 43           |
| 25/05/24 08:40 | 15          | 19                       | 34                       | 0                        | 12.6       | 87        | 1.0         | 300       | 25           |
| 25/05/24 08:45 | 16          | 19                       | 35                       | 0                        | 12.7       | 86        | 0.9         | 262       | 22           |
| 25/05/24 08:50 | 14          | 20                       | 34                       | 0                        | 12.8       | 85        | 1.1         | 289       | 24           |
| 25/05/24 08:55 | 11          | 19                       | 30                       | 0                        | 12.8       | 85        | 1.4         | 318       | 13           |
| 25/05/24 09:00 | 9           | 14                       | 23                       | 0                        | 12.9       | 85        | 1.7         | 285       | 17           |
| 25/05/24 09:05 | 2           | 9                        | 11                       | 0                        | 12.8       | 85        | 1.8         | 284       | 17           |
| 25/05/24 09:10 | 2           | 10                       | 12                       | 0                        | 12.8       | 85        | 1.8         | 290       | 18           |
| 25/05/24 09:15 | 2           | 11                       | 13                       | 0                        | 12.8       | 86        | 1.8         | 291       | 14           |
| 25/05/24 09:20 | 3           | 13                       | 17                       | 0                        | 12.8       | 86        | 1.5         | 282       | 14           |
| 25/05/24 09:25 | 5           | 15                       | 20                       | 0                        | 12.9       | 87        | 1.4         | 279       | 12           |
| 25/05/24 09:30 | 6           | 16                       | 21                       | 0                        | 12.8       | 87        | 1.5         | 276       | 16           |
| 25/05/24 09:35 | 6           | 15                       | 21                       | 0                        | 12.8       | 86        | 2.2         | 271       | 11           |
| 25/05/24 09:40 | 5           | 13                       | 18                       | 0                        | 12.7       | 87        | 1.9         | 277       | 13           |
| 25/05/24 09:45 | 5           | 12                       | 17                       | 0                        | 12.8       | 86        | 1.2         | 289       | 17           |
| 25/05/24 09:50 | 5           | 11                       | 16                       | 0                        | 12.8       | 85        | 0.9         | 290       | 19           |
| 25/05/24 09:55 | 5           | 11                       | 16                       | 0                        | 13.0       | 85        | 1.4         | 267       | 14           |
| 25/05/24 10:00 | 6           | 11                       | 18                       | 0                        | 13.0       | 84        | 1.0         | 315       | 34           |
| 25/05/24 10:05 | 10          | 12                       | 22                       | 0                        | 13.1       | 83        | 0.6         | 263       | 36           |
| 25/05/24 10:10 | 10          | 15                       | 24                       | 0                        | 13.2       | 82        | 1.0         | 283       | 19           |
| 25/05/24 10:15 | 8           | 13                       | 21                       | 0                        | 13.3       | 81        | 1.4         | 295       | 13           |
| 25/05/24 10:20 | 5           | 7                        | 12                       | 0                        | 13.2       | 81        | 1.5         | 302       | 26           |
| 25/05/24 10:25 | 3           | 7                        | 11                       | 0                        | 13.4       | 80        | 1.1         | 326       | 27           |
| 25/05/24 10:30 | 4           | 8                        | 12                       | 0                        | 13.7       | 79        | 0.5         | 288       | 44           |
| 25/05/24 10:35 | 4           | 9                        | 12                       | 0                        | 13.7       | 79        | 1.2         | 317       | 26           |
| 25/05/24 10:40 | 4           | 9                        | 12                       | 0                        | 13.8       | 79        | 1.2         | 296       | 17           |
| 25/05/24 10:45 | 3           | 9                        | 12                       | 0                        | 13.7       | 78        | 0.7         | 310       | 30           |
| 25/05/24 10:50 | 3           | 8                        | 12                       | 0                        | 13.8       | 78        | 1.2         | 277       | 23           |
| 25/05/24 10:55 | 3           | 8                        | 11                       | 0                        | 13.8       | 77        | 1.1         | 267       | 21           |
| 25/05/24 11:00 | 3           | 8                        | 11                       | 0                        | 14.0       | 78        | 1.5         | 292       | 19           |
| 25/05/24 11:05 | 4           | 8                        | 12                       | 0                        | 14.1       | 76        | 1.5         | 274       | 22           |
| 25/05/24 11:10 | 3           | 8                        | 11                       | 0                        | 14.1       | 76        | 1.9         | 276       | 13           |
| 25/05/24 11:15 | 3           | 8                        | 11                       | 0                        | 14.2       | 76        | 1.6         | 280       | 15           |
| 25/05/24 11:20 | 3           | 8                        | 11                       | 0                        | 14.2       | 76        | 1.3         | 270       | 36           |
| 25/05/24 11:25 | 4           | 8                        | 11                       | 0                        | 14.2       | 76        | 1.8         | 248       | 16           |
| 25/05/24 11:30 | 8           | 8                        | 16                       | 0                        | 14.2       | 76        | 1.0         | 251       | 27           |
| 25/05/24 11:35 | 19          | 12                       | 31                       | 0                        | 14.4       | 75        | 1.8         | 261       | 19           |
| 25/05/24 11:40 | 9           | 11                       | 21                       | 0                        | 14.5       | 75        | 1.6         | 275       | 17           |
| 25/05/24 11:45 | 6           | 9                        | 15                       | 0                        | 14.5       | 74        | 1.6         | 269       | 18           |
| 25/05/24 11:50 | 4           | 9                        | 14                       | 0                        | 14.5       | 75        | 1.7         | 245       | 14           |
| 25/05/24 11:55 | 5           | 11                       | 16                       | 0                        | 14.3       | 77        | 1.7         | 219       | 11           |
| 25/05/24 12:00 | 6           | 11                       | 17                       | 0                        | 14.3       | 77        | 1.4         | 242       | 15           |
| 25/05/24 12:05 | 6           | 11                       | 17                       | 0                        | 14.4       | 76        | 1.2         | 254       | 19           |
| 25/05/24 12:10 | 6           | 11                       | 17                       | 0                        | 14.8       | 73        | 1.3         | 280       | 17           |
| 25/05/24 12:15 | 6           | 11                       | 17                       | 0                        | 15.0       | 72        | 1.8         | 286       | 21           |
| 25/05/24 12:20 | 7           | 11                       | 17                       | 0                        | 15.2       | 70        | 1.0         | 283       | 28           |
| 25/05/24 12:25 | 7           | 11                       | 17                       | 0                        | 15.2       | 73        | 1.8         | 231       | 23           |
| 25/05/24 12:30 | 7           | 11                       | 18                       | 0                        | 15.2       | 75        | 1.2         | 173       | 30           |
| 25/05/24 12:35 | 7           | 11                       | 18                       | 0                        | 15.5       | 73        | 0.8         | 170       | 46           |
| 25/05/24 12:40 | 7           | 11                       | 18                       | 0                        | 15.6       | 72        | 1.2         | 174       | 22           |
| 25/05/24 12:45 | 7           | 11                       | 18                       | 0                        | 15.9       | 71        | 1.1         | 155       | 30           |
| 25/05/24 12:50 | 9           | 12                       | 21                       | 0                        | 16.3       | 70        | 1.2         | 150       | 25           |
| 25/05/24 12:55 | 12          | 17                       | 29                       | 1                        | 16.5       | 68        | 1.7         | 172       | 18           |
| 25/05/24 13:00 | 14          | 15                       | 29                       | 1                        | 16.6       | 68        | 1.4         | 166       | 23           |
| 25/05/24 13:05 | 14          | 14                       | 28                       | 1                        | 16.8       | 68        | 1.6         | 177       | 22           |
| 25/05/24 13:10 | 16          | 16                       | 32                       | 1                        | 16.9       | 67        | 1.7         | 172       | 15           |
| 25/05/24 13:15 | 15          | 16                       | 31                       | 1                        | 16.9       | 67        | 1.7         | 171       | 21           |
| 25/05/24 13:20 | 14          | 15                       | 29                       | 1                        | 16.8       | 66        | 1.7         | 162       | 23           |
| 25/05/24 13:25 | 13          | 14                       | 28                       | 1                        | 16.6       | 67        | 1.5         | 162       | 19           |
| 25/05/24 13:30 | 12          | 13                       | 26                       | 1                        | 16.5       | 68        | 1.8         | 168       | 20           |
| 25/05/24 13:35 | 12          | 12                       | 24                       | 1                        | 16.7       | 68        | 1.6         | 164       | 21           |
| 25/05/24 13:40 | 12          | 14                       | 26                       | 1                        | 16.9       | 67        | 1.4         | 170       | 25           |
| 25/05/24 13:45 | 12          | 13                       | 25                       | 1                        | 17.1       | 67        | 1.5         | 170       | 21           |
| 25/05/24 13:50 | 12          | 15                       | 26                       | 1                        | 17.3       | 65        | 1.2         | 163       | 22           |
| 25/05/24 13:55 | 11          | 14                       | 26                       | 1                        | 17.4       | 64        | 1.6         | 164       | 19           |
| 25/05/24 14:00 | 11          | 14                       | 25                       | 0                        | 17.4       | 65        | 1.0         | 178       | 22           |
| 25/05/24 14:05 | 11          | 14                       | 24                       | 1                        | 17.6       | 66        | 1.2         | 187       | 19           |
| 25/05/24 14:10 | 9           | 12                       | 21                       | 1                        | 17.2       | 67        | 2.5         | 198       | 7            |
| 25/05/24 14:15 | 8           | 11                       | 19                       | 1                        | 16.1       | 70        | 3.3         | 201       | 5            |
| 25/05/24 14:20 | 7           | 11                       | 18                       | 1                        | 16.0       | 71        | 1.9         | 184       | 14           |
| 25/05/24 14:25 | 6           | 11                       | 17                       | 1                        | 16.7       | 69        | 1.7         | 187       | 17           |
| 25/05/24 14:30 | 6           | 11                       | 17                       | 0                        | 16.7       | 68        | 1.7         | 187       | 17           |
| 25/05/24 14:35 | 6           | 11                       | 17                       | 0                        | 16.8       | 68        | 1.9         | 194       | 9            |
| 25/05/24 14:40 | 6           | 11                       | 16                       | 0                        | 16.7       | 69        | 2.1         | 193       | 9            |
| 25/05/24 14:45 | 5           | 11                       | 16                       | 0                        | 16.7       | 69        | 2.0         | 192       | 12           |
| 25/05/24 14:50 | 5           | 11                       | 16                       | 0                        | 16.7       | 68        | 2.2         | 197       | 7            |
| 25/05/24 14:55 | 6           | 12                       | 18                       | 0                        | 16.6       | 69        | 1.9         | 189       | 16           |
| 25/05/24 15:00 | 6           | 13                       | 19                       | 0                        | 16.9       | 67        | 1.6         | 170       | 19           |
| 25/05/24 15:05 | 6           | 11                       | 17                       | 0                        | 17.2       | 67        | 1.7         | 173       | 17           |
| 25/05/24 15:10 | 5           | 10                       | 15                       | 0                        | 17.3       | 67        | 1.7         | 169       | 20           |
| 25/05/24 15:15 | 5           | 11                       | 16                       | 0                        | 17.5       | 66        | 1.5         | 177       | 18           |
| 25/05/24 15:20 | 6           | 17                       | 23                       | 0                        | 17.5       | 66        | 1.5         | 189       | 11           |
| 25/05/24 15:25 | 6           | 16                       | 22                       | 0                        | 17.2       | 68        | 1.9         | 191       | 14           |
| 25/05/24 15:30 | 6           | 12                       | 18                       | 1                        | 17.1       | 68        | 1.7         | 179       | 18           |
| 25/05/24 15:35 | 6           | 12                       | 18                       | 1                        | 17.2       | 68        | 2.0         | 167       | 17           |
| 25/05/24 15:40 | 5           | 12                       | 18                       | 0                        | 16.9       | 69        | 1.4         | 165       | 28           |
| 25/05/24 15:45 | 5           | 9                        | 14                       | 0                        | 16.8       | 69        | 1.8         | 168       | 25           |
| 25/05/24 15:50 | 4           | 8                        | 11                       | 0                        | 16.6       | 70        | 1.9         | 175       | 19           |

| Station Pier Ambient Air Quality Monitoring |             |                          |                          |                          |            |           |             |           |              |
|---------------------------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| May 2024                                    |             |                          |                          |                          |            |           |             |           |              |
| 5-Minute Data                               |             |                          |                          |                          |            |           |             |           |              |
| Date/Time                                   | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
| 25/05/24 15:55                              | 3           | 7                        | 10                       | 0                        | 16.6       | 71        | 2.0         | 162       | 26           |
| 25/05/24 16:00                              | 3           | 7                        | 9                        | 0                        | 16.4       | 72        | 1.0         | 174       | 43           |
| 25/05/24 16:05                              | 2           | 7                        | 9                        | 0                        | 16.2       | 73        | 1.5         | 167       | 34           |
| 25/05/24 16:10                              | 2           | 6                        | 8                        | 0                        | 16.1       | 73        | 1.5         | 167       | 32           |
| 25/05/24 16:15                              | 2           | 6                        | 8                        | 0                        | 15.9       | 74        | 1.2         | 171       | 39           |
| 25/05/24 16:20                              | 1           | 6                        | 8                        | 0                        | 15.8       | 75        | 1.3         | 162       | 35           |
| 25/05/24 16:25                              | 1           | 6                        | 7                        | 0                        | 15.7       | 75        | 2.4         | 150       | 17           |
| 25/05/24 16:30                              | 1           | 6                        | 7                        | 0                        | 15.4       | 77        | 2.2         | 154       | 23           |
| 25/05/24 16:35                              | 1           | 6                        | 7                        | 0                        | 15.2       | 78        | 2.2         | 153       | 24           |
| 25/05/24 16:40                              | 1           | 6                        | 7                        | 0                        | 15.1       | 79        | 1.7         | 168       | 32           |
| 25/05/24 16:45                              | 1           | 6                        | 7                        | 0                        | 14.9       | 79        | 2.2         | 153       | 24           |
| 25/05/24 16:50                              | 1           | 7                        | 7                        | 0                        | 14.8       | 80        | 2.6         | 145       | 19           |
| 25/05/24 16:55                              | 1           | 7                        | 7                        | 0                        | 14.7       | 80        | 2.6         | 146       | 18           |
| 25/05/24 17:00                              | 1           | 7                        | 8                        | 0                        | 14.5       | 81        | 2.7         | 149       | 21           |
| 25/05/24 17:05                              | 0           | 7                        | 8                        | 0                        | 14.5       | 82        | 1.9         | 156       | 28           |
| 25/05/24 17:10                              | 0           | 7                        | 8                        | 0                        | 14.4       | 82        | 2.7         | 146       | 16           |
| 25/05/24 17:15                              | 0           | 7                        | 8                        | 0                        | 14.3       | 83        | 2.5         | 143       | 18           |
| 25/05/24 17:20                              | 0           | 7                        | 8                        | 0                        | 14.4       | 84        | 2.6         | 144       | 18           |
| 25/05/24 17:25                              | 0           | 7                        | 8                        | 0                        | 14.2       | 83        | 2.5         | 138       | 14           |
| 25/05/24 17:30                              | 0           | 8                        | 8                        | 0                        | 14.3       | 84        | 2.3         | 129       | 17           |
| 25/05/24 17:35                              | 0           | 8                        | 8                        | 0                        | 14.3       | 84        | 1.6         | 123       | 23           |
| 25/05/24 17:40                              | 0           | 8                        | 8                        | 0                        | 14.3       | 85        | 1.7         | 120       | 17           |
| 25/05/24 17:45                              | 0           | 8                        | 9                        | 0                        | 14.2       | 85        | 2.3         | 118       | 9            |
| 25/05/24 17:50                              | 0           | 9                        | 9                        | 0                        | 14.3       | 84        | 2.8         | 113       | 7            |
| 25/05/24 17:55                              | 0           | 10                       | 10                       | 0                        | 14.3       | 83        | 2.3         | 111       | 9            |
| 25/05/24 18:00                              | 0           | 11                       | 12                       | 0                        | 14.2       | 82        | 2.1         | 107       | 6            |
| 25/05/24 18:05                              | 0           | 15                       | 15                       | 0                        | 14.1       | 82        | 2.0         | 108       | 5            |
| 25/05/24 18:10                              | 0           | 20                       | 20                       | 0                        | 14.1       | 81        | 2.1         | 108       | 8            |
| 25/05/24 18:15                              | 1           | 21                       | 22                       | 0                        | 14.0       | 80        | 1.9         | 107       | 7            |
| 25/05/24 18:20                              | 1           | 21                       | 22                       | 0                        | 14.0       | 81        | 2.1         | 107       | 6            |
| 25/05/24 18:25                              | 1           | 22                       | 23                       | 0                        | 14.0       | 80        | 2.0         | 108       | 8            |
| 25/05/24 18:30                              | 2           | 23                       | 25                       | 0                        | 13.9       | 78        | 1.7         | 95        | 7            |
| 25/05/24 18:35                              | 2           | 25                       | 27                       | 0                        | 13.8       | 78        | 1.4         | 94        | 9            |
| 25/05/24 18:40                              | 3           | 27                       | 29                       | 0                        | 13.7       | 78        | 1.2         | 98        | 8            |
| 25/05/24 18:45                              | 3           | 28                       | 31                       | 0                        | 13.6       | 79        | 1.0         | 89        | 8            |
| 25/05/24 18:50                              | 4           | 28                       | 33                       | 0                        | 13.4       | 79        | 0.8         | 90        | 9            |
| 25/05/24 18:55                              | 6           | 28                       | 34                       | 0                        | 13.3       | 80        | 0.9         | 93        | 8            |
| 25/05/24 19:00                              | 8           | 29                       | 37                       | 0                        | 13.2       | 81        | 1.2         | 96        | 7            |
| 25/05/24 19:05                              | 6           | 28                       | 34                       | 0                        | 13.2       | 81        | 1.4         | 104       | 5            |
| 25/05/24 19:10                              | 4           | 27                       | 31                       | 0                        | 13.2       | 81        | 1.3         | 110       | 7            |
| 25/05/24 19:15                              | 4           | 27                       | 31                       | 0                        | 13.2       | 82        | 1.0         | 114       | 10           |
| 25/05/24 19:20                              | 4           | 27                       | 31                       | 0                        | 13.2       | 82        | 1.2         | 101       | 7            |
| 25/05/24 19:25                              | 4           | 27                       | 31                       | 0                        | 13.1       | 82        | 1.2         | 93        | 6            |
| 25/05/24 19:30                              | 7           | 26                       | 33                       | 0                        | 13.0       | 82        | 1.2         | 101       | 8            |
| 25/05/24 19:35                              | 7           | 26                       | 33                       | 0                        | 12.8       | 83        | 0.7         | 108       | 10           |
| 25/05/24 19:40                              | 11          | 24                       | 35                       | 0                        | 12.8       | 84        | 0.8         | 113       | 8            |
| 25/05/24 19:45                              | 8           | 28                       | 36                       | 0                        | 12.8       | 85        | 0.7         | 124       | 21           |
| 25/05/24 19:50                              | 4           | 26                       | 30                       | 0                        | 12.8       | 85        | 0.3         | 130       | 32           |
| 25/05/24 19:55                              | 3           | 26                       | 29                       | 0                        | 12.8       | 86        | 0.3         | 159       | 19           |
| 25/05/24 20:00                              | 3           | 26                       | 29                       | 0                        | 12.7       | 86        | 0.2         | 132       | 27           |
| 25/05/24 20:05                              | 3           | 26                       | 29                       | 0                        | 12.6       | 87        | 0.2         | 144       | 14           |
| 25/05/24 20:10                              | 3           | 26                       | 30                       | 0                        | 12.6       | 87        | 0.2         | 122       | 21           |
| 25/05/24 20:15                              | 4           | 26                       | 30                       | 0                        | 12.5       | 87        | 0.1         | 140       | 64           |
| 25/05/24 20:20                              | 19          | 29                       | 48                       | 0                        | 12.4       | 87        | 0.2         | 180       | 15           |
| 25/05/24 20:25                              | 9           | 30                       | 39                       | 0                        | 12.5       | 88        | 0.1         | 3         | 53           |
| 25/05/24 20:30                              | 3           | 27                       | 30                       | 0                        | 12.4       | 87        | 0.2         | 12        | 16           |
| 25/05/24 20:35                              | 5           | 28                       | 33                       | 0                        | 12.5       | 86        | 0.3         | 22        | 10           |
| 25/05/24 20:40                              | 14          | 28                       | 42                       | 0                        | 12.5       | 85        | 0.4         | 17        | 6            |
| 25/05/24 20:45                              | 24          | 28                       | 53                       | 1                        | 12.3       | 85        | 0.8         | 10        | 9            |
| 25/05/24 20:50                              | 47          | 25                       | 71                       | 0                        | 12.2       | 87        | 1.4         | 352       | 11           |
| 25/05/24 20:55                              | 68          | 34                       | 101                      | 1                        | 12.3       | 86        | 1.3         | 340       | 11           |
| 25/05/24 21:00                              | 76          | 32                       | 108                      | 1                        | 12.5       | 86        | 1.5         | 336       | 12           |
| 25/05/24 21:05                              | 99          | 31                       | 130                      | 1                        | 12.5       | 86        | 1.6         | 333       | 10           |
| 25/05/24 21:10                              | 92          | 33                       | 125                      | 1                        | 12.4       | 87        | 1.4         | 332       | 10           |
| 25/05/24 21:15                              | 107         | 24                       | 131                      | 1                        | 12.4       | 87        | 1.5         | 328       | 13           |
| 25/05/24 21:20                              | 97          | 30                       | 127                      | 1                        | 12.4       | 88        | 1.2         | 337       | 13           |
| 25/05/24 21:25                              | 88          | 33                       | 121                      | 1                        | 12.3       | 88        | 1.0         | 326       | 19           |
| 25/05/24 21:30                              | 90          | 32                       | 122                      | 1                        | 12.1       | 89        | 1.1         | 326       | 15           |
| 25/05/24 21:35                              | 89          | 33                       | 122                      | 1                        | 12.1       | 90        | 0.7         | 328       | 22           |
| 25/05/24 21:40                              | 84          | 34                       | 118                      | 1                        | 12.0       | 90        | 0.8         | 329       | 21           |
| 25/05/24 21:45                              | 81          | 31                       | 111                      | 1                        | 11.9       | 91        | 1.2         | 317       | 15           |
| 25/05/24 21:50                              | 69          | 31                       | 100                      | 1                        | 12.0       | 91        | 1.1         | 314       | 14           |
| 25/05/24 21:55                              | 61          | 27                       | 88                       | 1                        | 11.9       | 91        | 1.1         | 310       | 15           |
| 25/05/24 22:00                              | 57          | 28                       | 85                       | 1                        | 12.0       | 92        | 0.9         | 307       | 19           |
| 25/05/24 22:05                              | 57          | 28                       | 85                       | 1                        | 12.0       | 91        | 0.7         | 326       | 30           |
| 25/05/24 22:10                              | 61          | 26                       | 88                       | 1                        | 11.8       | 91        | 0.7         | 327       | 22           |
| 25/05/24 22:15                              | 58          | 29                       | 87                       | 1                        | 11.8       | 92        | 1.5         | 314       | 9            |
| 25/05/24 22:20                              | 51          | 31                       | 82                       | 1                        | 11.7       | 92        | 1.9         | 318       | 8            |
| 25/05/24 22:25                              | 61          | 26                       | 88                       | 1                        | 11.7       | 92        | 1.9         | 316       | 6            |
| 25/05/24 22:30                              | 59          | 28                       | 87                       | 1                        | 11.7       | 92        | 2.1         | 312       | 5            |
| 25/05/24 22:35                              | 57          | 28                       | 85                       | 1                        | 11.5       | 92        | 1.9         | 319       | 8            |
| 25/05/24 22:40                              | 57          | 27                       | 84                       | 1                        | 11.4       | 92        | 1.5         | 328       | 14           |
| 25/05/24 22:45                              | 57          | 27                       | 84                       | 1                        | 11.4       | 92        | 1.4         | 326       | 15           |
| 25/05/24 22:50                              | 59          | 26                       | 85                       | 1                        | 11.3       | 92        | 1.2         | 334       | 14           |
| 25/05/24 22:55                              | 65          | 23                       | 88                       | 1                        | 11.2       | 93        | 1.0         | 319       | 23           |
| 25/05/24 23:00                              | 63          | 25                       | 88                       | 1                        | 11.2       | 92        | 1.6         | 336       | 16           |
| 25/05/24 23:05                              | 62          | 26                       | 88                       | 1                        | 11.0       | 92        | 2.0         | 332       | 12           |
| 25/05/24 23:10                              | 61          | 26                       | 87                       | 1                        | 11.0       | 93        | 1.7         | 351       | 16           |
| 25/05/24 23:15                              | 57          | 29                       | 86                       | 1                        | 10.9       | 93        | 2.0         | 358       | 13           |
| 25/05/24 23:20                              | 56          | 26                       | 82                       | 1                        | 10.9       | 93        | 1.9         | 355       | 11           |
| 25/05/24 23:25                              | 58          | 25                       | 83                       | 1                        | 10.9       | 93        | 2.0         | 356       | 11           |
| 25/05/24 23:30                              | 65          | 24                       | 89                       | 1                        | 10.8       | 93        | 1.8         | 359       | 15           |
| 25/05/24 23:35                              | 71          | 25                       | 96                       | 1                        | 10.8       | 93        | 1.0         | 351       | 24           |
| 25/05/24 23:40                              | 71          | 25                       | 96                       | 1                        | 10.7       | 93        | 1.6         | 354       | 21           |
| 25/05/24 23:45                              | 71          | 25                       | 96                       | 1                        | 10.6       | 93        | 1.2         | 349       | 19           |
| 25/05/24 23:50                              | 70          | 25                       | 96                       |                          | 10.6       | 93        | 1.2         | 348       | 19           |
| 25/05/24 23:55                              | 71          | 26                       | 97                       |                          | 10.4       | 93        | 1.4         | 10        | 10           |
| 26/05/24 00:00                              | 65          | 26                       | 92                       | 1                        | 10.2       | 93        | 1.4         | 5         | 11           |
| 26/05/24 00:05                              | 63          | 25                       | 88                       | 1                        | 10.2       | 94        | 1.4         | 357       | 13           |
| 26/05/24 00:10                              | 61          | 24                       | 85                       | 1                        | 10.1       | 94        | 1.5         | 2         | 15           |
| 26/05/24 00:15                              | 60          | 24                       | 83                       | 1                        | 10.2       | 94        | 1.9         | 1         | 11           |
| 26/05/24 00:20                              | 56          | 23                       | 79                       | 1                        | 10.2       | 93        | 1.7         | 360       | 11           |
| 26/05/24 00:25                              | 53          | 23                       | 76                       | 1                        | 10.1       | 93        | 1.8         | 2         | 8            |
| 26/05/24 00:30                              | 54          | 24                       | 77                       | 1                        | 10.0       | 93        | 1.8         | 5         | 8            |
| 26/05/24 00:35                              | 50          | 21                       | 72                       | 1                        | 9.8        | 93        | 2.0         | 8         | 7            |
| 26/05/24 00:40                              | 47          | 23                       | 70                       | 1                        | 9.7        | 94        | 1.9         | 10        | 6            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 26/05/24 00:45 | 40          | 25                       | 65                       | 1                        | 9.6        | 94        | 2.0         | 2         | 12           |
| 26/05/24 00:50 | 30          | 23                       | 53                       | 1                        | 9.7        | 94        | 2.2         | 2         | 7            |
| 26/05/24 00:55 | 30          | 21                       | 51                       | 1                        | 9.7        | 94        | 1.6         | 7         | 15           |
| 26/05/24 01:00 | 32          | 21                       | 53                       | 1                        | 9.5        | 94        | 1.4         | 10        | 7            |
| 26/05/24 01:05 |             |                          |                          |                          | 9.6        | 95        | 1.7         | 2         | 8            |
| 26/05/24 01:10 |             |                          |                          |                          | 9.8        | 95        | 1.5         | 358       | 12           |
| 26/05/24 01:15 |             |                          |                          |                          | 9.9        | 95        | 1.5         | 1         | 12           |
| 26/05/24 01:20 |             |                          |                          |                          | 9.8        | 94        | 1.3         | 6         | 10           |
| 26/05/24 01:25 |             |                          |                          |                          | 9.6        | 94        | 1.6         | 1         | 6            |
| 26/05/24 01:30 |             |                          |                          |                          | 9.6        | 95        | 1.4         | 1         | 16           |
| 26/05/24 01:35 |             |                          |                          |                          | 9.6        | 95        | 1.7         | 2         | 7            |
| 26/05/24 01:40 |             |                          |                          |                          | 9.6        | 94        | 1.5         | 2         | 11           |
| 26/05/24 01:45 |             |                          |                          |                          | 9.5        | 94        | 1.4         | 6         | 13           |
| 26/05/24 01:50 |             |                          |                          |                          | 9.4        | 94        | 1.1         | 14        | 13           |
| 26/05/24 01:55 |             |                          |                          |                          | 9.1        | 94        | 0.9         | 26        | 12           |
| 26/05/24 02:00 |             |                          |                          |                          | 9.1        | 95        | 1.0         | 48        | 8            |
| 26/05/24 02:05 | 54          | 17                       | 71                       | 1                        | 9.1        | 95        | 1.0         | 52        | 8            |
| 26/05/24 02:10 | 59          | 22                       | 81                       | 1                        | 9.0        | 95        | 1.0         | 54        | 6            |
| 26/05/24 02:15 | 65          | 21                       | 86                       | 1                        | 8.9        | 95        | 1.0         | 64        | 8            |
| 26/05/24 02:20 | 67          | 19                       | 87                       | 1                        | 8.8        | 95        | 0.7         | 68        | 9            |
| 26/05/24 02:25 | 67          | 19                       | 87                       | 1                        | 8.8        | 95        | 1.2         | 51        | 7            |
| 26/05/24 02:30 | 67          | 20                       | 86                       | 1                        | 8.7        | 95        | 1.4         | 57        | 6            |
| 26/05/24 02:35 | 65          | 20                       | 84                       | 1                        | 8.6        | 94        | 1.7         | 54        | 7            |
| 26/05/24 02:40 | 62          | 19                       | 82                       | 1                        | 8.5        | 94        | 1.3         | 46        | 11           |
| 26/05/24 02:45 | 57          | 20                       | 77                       | 1                        | 8.4        | 94        | 1.4         | 47        | 9            |
| 26/05/24 02:50 | 51          | 19                       | 70                       | 1                        | 8.3        | 94        | 1.2         | 42        | 10           |
| 26/05/24 02:55 | 51          | 19                       | 70                       | 1                        | 8.2        | 94        | 1.0         | 35        | 10           |
| 26/05/24 03:00 | 50          | 18                       | 68                       | 1                        | 8.1        | 94        | 1.1         | 37        | 11           |
| 26/05/24 03:05 | 49          | 18                       | 66                       | 1                        | 8.2        | 94        | 1.0         | 42        | 10           |
| 26/05/24 03:10 | 48          | 17                       | 66                       | 1                        | 8.1        | 94        | 1.4         | 47        | 7            |
| 26/05/24 03:15 | 47          | 17                       | 64                       | 1                        | 8.0        | 94        | 1.2         | 42        | 6            |
| 26/05/24 03:20 | 45          | 17                       | 62                       | 1                        | 7.9        | 94        | 1.2         | 41        | 7            |
| 26/05/24 03:25 | 42          | 16                       | 58                       | 1                        | 7.9        | 94        | 1.3         | 42        | 7            |
| 26/05/24 03:30 | 40          | 16                       | 56                       | 1                        | 7.8        | 94        | 1.1         | 37        | 9            |
| 26/05/24 03:35 | 39          | 16                       | 55                       | 1                        | 7.8        | 94        | 1.1         | 45        | 10           |
| 26/05/24 03:40 | 37          | 16                       | 53                       | 1                        | 7.7        | 94        | 1.1         | 34        | 14           |
| 26/05/24 03:45 | 37          | 16                       | 52                       | 1                        | 7.7        | 95        | 1.1         | 11        | 13           |
| 26/05/24 03:50 | 37          | 15                       | 52                       | 1                        | 7.7        | 95        | 1.2         | 5         | 20           |
| 26/05/24 03:55 | 37          | 15                       | 52                       | 1                        | 7.7        | 95        | 1.0         | 355       | 26           |
| 26/05/24 04:00 | 27          | 21                       | 48                       | 1                        | 7.9        | 97        | 1.3         | 353       | 21           |
| 26/05/24 04:05 | 18          | 18                       | 36                       | 1                        | 8.0        | 97        | 1.4         | 3         | 18           |
| 26/05/24 04:10 | 16          | 17                       | 33                       | 1                        | 8.0        | 98        | 1.4         | 359       | 20           |
| 26/05/24 04:15 | 15          | 16                       | 31                       | 1                        | 8.3        | 98        | 1.2         | 3         | 22           |
| 26/05/24 04:20 | 14          | 16                       | 31                       | 1                        | 8.3        | 98        | 1.1         | 14        | 22           |
| 26/05/24 04:25 | 14          | 17                       | 30                       | 1                        | 8.4        | 98        | 1.1         | 359       | 27           |
| 26/05/24 04:30 | 13          | 17                       | 30                       | 1                        | 8.4        | 98        | 1.1         | 8         | 27           |
| 26/05/24 04:35 | 13          | 17                       | 29                       | 1                        | 8.4        | 98        | 1.3         | 3         | 25           |
| 26/05/24 04:40 | 13          | 16                       | 29                       | 1                        | 8.5        | 98        | 1.2         | 8         | 23           |
| 26/05/24 04:45 | 13          | 16                       | 29                       | 1                        | 8.6        | 98        | 1.2         | 5         | 20           |
| 26/05/24 04:50 | 13          | 16                       | 29                       | 1                        | 8.6        | 98        | 1.0         | 18        | 22           |
| 26/05/24 04:55 | 13          | 16                       | 29                       | 1                        | 8.7        | 98        | 0.5         | 31        | 35           |
| 26/05/24 05:00 | 13          | 16                       | 29                       | 1                        | 8.8        | 98        | 0.7         | 60        | 19           |
| 26/05/24 05:05 | 14          | 16                       | 29                       | 1                        | 8.8        | 98        | 0.9         | 65        | 10           |
| 26/05/24 05:10 | 14          | 15                       | 29                       | 1                        | 8.9        | 98        | 0.9         | 73        | 8            |
| 26/05/24 05:15 | 14          | 15                       | 29                       | 1                        | 8.7        | 99        | 0.6         | 71        | 14           |
| 26/05/24 05:20 | 14          | 15                       | 29                       | 1                        | 8.8        | 99        | 0.9         | 62        | 12           |
| 26/05/24 05:25 | 14          | 15                       | 28                       | 0                        | 8.8        | 99        | 1.0         | 60        | 10           |
| 26/05/24 05:30 | 13          | 15                       | 28                       | 0                        | 8.8        | 99        | 0.8         | 52        | 23           |
| 26/05/24 05:35 | 12          | 15                       | 27                       | 1                        | 8.9        | 99        | 1.0         | 28        | 22           |
| 26/05/24 05:40 | 11          | 15                       | 26                       | 1                        | 9.0        | 99        | 0.7         | 22        | 29           |
| 26/05/24 05:45 | 9           | 15                       | 25                       | 1                        | 9.0        | 99        | 0.7         | 4         | 24           |
| 26/05/24 05:50 | 7           | 17                       | 24                       | 1                        | 8.9        | 99        | 0.4         | 1         | 38           |
| 26/05/24 05:55 | 8           | 16                       | 23                       | 0                        | 8.9        | 99        | 0.9         | 8         | 17           |
| 26/05/24 06:00 | 7           | 16                       | 23                       | 0                        | 8.8        | 99        | 1.1         | 10        | 18           |
| 26/05/24 06:05 | 7           | 16                       | 23                       | 0                        | 8.8        | 99        | 1.2         | 4         | 15           |
| 26/05/24 06:10 | 6           | 16                       | 22                       | 0                        | 8.8        | 99        | 1.1         | 6         | 16           |
| 26/05/24 06:15 | 6           | 16                       | 21                       | 0                        | 8.8        | 99        | 0.8         | 18        | 32           |
| 26/05/24 06:20 | 6           | 16                       | 21                       | 0                        | 8.8        | 99        | 0.7         | 11        | 28           |
| 26/05/24 06:25 | 5           | 16                       | 21                       | 0                        | 8.9        | 99        | 0.9         | 4         | 29           |
| 26/05/24 06:30 | 5           | 16                       | 21                       | 0                        | 8.9        | 99        | 0.8         | 357       | 22           |
| 26/05/24 06:35 | 4           | 16                       | 20                       | 0                        | 8.8        | 99        | 1.2         | 351       | 20           |
| 26/05/24 06:40 | 4           | 16                       | 20                       | 0                        | 8.7        | 99        | 1.0         | 339       | 26           |
| 26/05/24 06:45 | 3           | 16                       | 20                       | 0                        | 8.7        | 99        | 0.8         | 332       | 27           |
| 26/05/24 06:50 | 3           | 16                       | 20                       | 0                        | 8.7        | 99        | 0.9         | 327       | 25           |
| 26/05/24 06:55 | 4           | 16                       | 20                       | 0                        | 8.6        | 99        | 1.3         | 303       | 13           |
| 26/05/24 07:00 | 5           | 16                       | 21                       | 0                        | 8.2        | 98        | 1.1         | 309       | 18           |
| 26/05/24 07:05 | 7           | 16                       | 23                       | 0                        | 8.1        | 98        | 0.9         | 310       | 22           |
| 26/05/24 07:10 | 10          | 14                       | 24                       | 0                        | 7.9        | 98        | 1.0         | 316       | 11           |
| 26/05/24 07:15 | 11          | 14                       | 25                       | 0                        | 7.8        | 98        | 1.1         | 346       | 19           |
| 26/05/24 07:20 | 13          | 14                       | 27                       | 0                        | 7.6        | 98        | 1.3         | 360       | 13           |
| 26/05/24 07:25 | 16          | 16                       | 31                       | 0                        | 7.5        | 98        | 1.4         | 357       | 11           |
| 26/05/24 07:30 | 13          | 16                       | 29                       | 0                        | 7.5        | 98        | 1.1         | 356       | 16           |
| 26/05/24 07:35 | 13          | 16                       | 29                       | 0                        | 7.6        | 98        | 0.6         | 326       | 36           |
| 26/05/24 07:40 | 14          | 15                       | 29                       | 0                        | 7.7        | 98        | 0.6         | 311       | 17           |
| 26/05/24 07:45 | 15          | 15                       | 30                       | 0                        | 7.7        | 98        | 0.4         | 327       | 33           |
| 26/05/24 07:50 | 15          | 15                       | 31                       | 0                        | 7.7        | 98        | 0.6         | 329       | 26           |
| 26/05/24 07:55 | 16          | 15                       | 31                       | 0                        | 7.6        | 97        | 0.7         | 316       | 19           |
| 26/05/24 08:00 | 18          | 15                       | 33                       | 0                        | 7.7        | 97        | 0.4         | 7         | 37           |
| 26/05/24 08:05 | 20          | 15                       | 34                       | 0                        | 7.9        | 95        | 0.7         | 58        | 6            |
| 26/05/24 08:10 | 22          | 14                       | 36                       | 0                        | 7.9        | 94        | 0.8         | 54        | 11           |
| 26/05/24 08:15 | 21          | 15                       | 35                       | 0                        | 8.1        | 93        | 1.0         | 44        | 8            |
| 26/05/24 08:20 | 16          | 17                       | 33                       | 0                        | 8.2        | 92        | 1.0         | 41        | 8            |
| 26/05/24 08:25 | 15          | 15                       | 30                       | 0                        | 8.4        | 90        | 1.1         | 55        | 13           |
| 26/05/24 08:30 | 15          | 13                       | 28                       | 0                        | 8.4        | 89        | 1.0         | 52        | 15           |
| 26/05/24 08:35 | 15          | 12                       | 27                       | 0                        | 8.5        | 89        | 1.0         | 49        | 15           |
| 26/05/24 08:40 | 15          | 12                       | 27                       | 0                        | 8.7        | 88        | 0.9         | 38        | 15           |
| 26/05/24 08:45 | 15          | 12                       | 27                       | 0                        | 8.8        | 87        | 1.1         | 41        | 16           |
| 26/05/24 08:50 | 15          | 12                       | 27                       | 0                        | 9.0        | 86        | 0.9         | 36        | 19           |
| 26/05/24 08:55 | 16          | 12                       | 27                       | 0                        | 9.2        | 85        | 0.9         | 24        | 16           |
| 26/05/24 09:00 | 17          | 12                       | 28                       | 0                        | 9.4        | 84        | 0.7         | 41        | 23           |
| 26/05/24 09:05 | 17          | 12                       | 29                       | 0                        | 9.9        | 82        | 0.6         | 40        | 33           |
| 26/05/24 09:10 | 18          | 12                       | 30                       | 0                        | 10.1       | 80        | 0.7         | 58        | 23           |
| 26/05/24 09:15 | 18          | 13                       | 30                       | 0                        | 10.4       | 79        | 0.7         | 316       | 35           |
| 26/05/24 09:20 | 17          | 13                       | 30                       | 0                        | 10.1       | 78        | 1.0         | 316       | 31           |
| 26/05/24 09:25 | 19          | 13                       | 32                       | 0                        | 10.0       | 79        | 1.1         | 296       | 22           |
| 26/05/24 09:30 | 20          | 13                       | 33                       | 0                        | 9.8        | 79        | 1.4         | 300       | 15           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 26/05/24 09:35 | 19          | 13                       | 33                       | 0                        | 9.7        | 80        | 1.3         | 300       | 23           |
| 26/05/24 09:40 | 19          | 13                       | 33                       | 0                        | 9.9        | 79        | 1.1         | 324       | 31           |
| 26/05/24 09:45 | 19          | 14                       | 33                       | 0                        | 10.2       | 76        | 1.1         | 353       | 32           |
| 26/05/24 09:50 | 19          | 14                       | 33                       | 1                        | 10.4       | 76        | 0.8         | 5         | 44           |
| 26/05/24 09:55 | 20          | 14                       | 34                       | 1                        | 10.6       | 74        | 1.3         | 4         | 36           |
| 26/05/24 10:00 | 22          | 15                       | 37                       | 1                        | 10.4       | 75        | 1.3         | 327       | 20           |
| 26/05/24 10:05 | 24          | 17                       | 41                       | 1                        | 10.5       | 76        | 1.5         | 307       | 16           |
| 26/05/24 10:10 | 28          | 18                       | 46                       | 0                        | 10.7       | 77        | 0.8         | 343       | 43           |
| 26/05/24 10:15 | 32          | 16                       | 48                       | 1                        | 11.1       | 74        | 0.7         | 316       | 49           |
| 26/05/24 10:20 | 34          | 17                       | 50                       | 1                        | 11.4       | 72        | 1.1         | 23        | 25           |
| 26/05/24 10:25 | 34          | 17                       | 51                       | 1                        | 11.7       | 73        | 0.7         | 330       | 48           |
| 26/05/24 10:30 | 34          | 18                       | 52                       | 1                        | 11.7       | 72        | 0.7         | 312       | 45           |
| 26/05/24 10:35 | 34          | 18                       | 52                       | 1                        | 11.7       | 73        | 0.7         | 321       | 29           |
| 26/05/24 10:40 | 33          | 18                       | 52                       | 1                        | 12.3       | 70        | 0.4         | 310       | 52           |
| 26/05/24 10:45 | 34          | 19                       | 53                       | 1                        | 12.4       | 70        | 0.4         | 307       | 53           |
| 26/05/24 10:50 | 35          | 19                       | 54                       | 1                        | 12.8       | 68        | 0.7         | 58        | 28           |
| 26/05/24 10:55 | 35          | 19                       | 54                       | 1                        | 13.0       | 67        | 0.2         | 302       | 78           |
| 26/05/24 11:00 | 34          | 20                       | 53                       | 1                        | 13.3       | 67        | 1.0         | 233       | 12           |
| 26/05/24 11:05 | 34          | 20                       | 54                       | 2                        | 12.8       | 68        | 1.1         | 212       | 12           |
| 26/05/24 11:10 | 35          | 20                       | 55                       | 2                        | 12.8       | 69        | 1.0         | 212       | 10           |
| 26/05/24 11:15 | 36          | 20                       | 56                       | 2                        | 12.9       | 69        | 1.0         | 208       | 6            |
| 26/05/24 11:20 | 36          | 20                       | 56                       | 2                        | 13.1       | 69        | 0.9         | 212       | 8            |
| 26/05/24 11:25 | 36          | 21                       | 56                       | 2                        | 13.5       | 67        | 0.5         | 212       | 13           |
| 26/05/24 11:30 | 36          | 21                       | 57                       | 2                        | 13.5       | 68        | 0.8         | 216       | 11           |
| 26/05/24 11:35 | 35          | 21                       | 57                       | 2                        | 13.5       | 68        | 0.4         | 209       | 21           |
| 26/05/24 11:40 | 35          | 21                       | 56                       | 2                        | 13.5       | 68        | 1.1         | 222       | 9            |
| 26/05/24 11:45 | 34          | 21                       | 56                       | 2                        | 13.6       | 68        | 0.7         | 200       | 8            |
| 26/05/24 11:50 | 33          | 22                       | 55                       | 2                        | 13.8       | 67        | 0.6         | 209       | 13           |
| 26/05/24 11:55 | 31          | 22                       | 53                       | 2                        | 14.3       | 68        | 1.0         | 196       | 10           |
| 26/05/24 12:00 | 30          | 22                       | 52                       | 2                        | 14.4       | 67        | 1.0         | 202       | 16           |
| 26/05/24 12:05 | 29          | 22                       | 50                       | 2                        | 14.4       | 67        | 0.7         | 185       | 30           |
| 26/05/24 12:10 | 28          | 22                       | 50                       | 2                        | 15.1       | 65        | 0.6         | 148       | 31           |
| 26/05/24 12:15 | 28          | 22                       | 50                       | 2                        | 15.7       | 62        | 0.7         | 178       | 22           |
| 26/05/24 12:20 | 27          | 22                       | 50                       | 2                        | 15.7       | 63        | 0.9         | 164       | 24           |
| 26/05/24 12:25 | 27          | 22                       | 49                       | 2                        | 15.8       | 62        | 0.9         | 153       | 32           |
| 26/05/24 12:30 | 27          | 22                       | 49                       | 2                        | 15.8       | 63        | 1.2         | 158       | 18           |
| 26/05/24 12:35 | 26          | 22                       | 48                       | 2                        | 15.8       | 64        | 1.2         | 157       | 20           |
| 26/05/24 12:40 | 25          | 22                       | 47                       | 2                        | 15.7       | 64        | 1.0         | 157       | 26           |
| 26/05/24 12:45 | 25          | 22                       | 47                       | 2                        | 15.5       | 64        | 1.2         | 171       | 22           |
| 26/05/24 12:50 | 24          | 22                       | 47                       | 2                        | 15.6       | 64        | 0.9         | 165       | 36           |
| 26/05/24 12:55 | 24          | 22                       | 47                       | 2                        | 15.9       | 65        | 1.3         | 180       | 18           |
| 26/05/24 13:00 | 24          | 23                       | 48                       | 2                        | 15.8       | 66        | 1.5         | 192       | 13           |
| 26/05/24 13:05 | 24          | 24                       | 48                       | 2                        | 15.1       | 68        | 1.9         | 197       | 9            |
| 26/05/24 13:10 | 23          | 24                       | 47                       | 2                        | 14.6       | 71        | 2.0         | 200       | 9            |
| 26/05/24 13:15 | 21          | 24                       | 45                       | 2                        | 14.3       | 72        | 2.0         | 199       | 7            |
| 26/05/24 13:20 | 20          | 23                       | 42                       | 2                        | 14.4       | 73        | 1.2         | 184       | 20           |
| 26/05/24 13:25 | 17          | 22                       | 39                       | 2                        | 15.2       | 68        | 1.2         | 162       | 21           |
| 26/05/24 13:30 | 15          | 20                       | 35                       | 2                        | 15.7       | 65        | 1.1         | 157       | 21           |
| 26/05/24 13:35 | 14          | 19                       | 33                       | 2                        | 15.7       | 65        | 1.1         | 161       | 23           |
| 26/05/24 13:40 | 13          | 18                       | 32                       | 2                        | 15.7       | 65        | 0.9         | 153       | 24           |
| 26/05/24 13:45 | 13          | 18                       | 31                       | 2                        | 16.2       | 63        | 0.9         | 160       | 26           |
| 26/05/24 13:50 | 13          | 18                       | 31                       | 2                        | 16.3       | 63        | 1.0         | 150       | 26           |
| 26/05/24 13:55 | 12          | 18                       | 31                       | 2                        | 16.6       | 62        | 0.9         | 152       | 22           |
| 26/05/24 14:00 | 12          | 18                       | 30                       | 1                        | 16.6       | 63        | 1.1         | 146       | 20           |
| 26/05/24 14:05 | 11          | 18                       | 29                       | 1                        | 16.5       | 63        | 1.2         | 137       | 16           |
| 26/05/24 14:10 | 11          | 18                       | 29                       | 1                        | 16.5       | 63        | 1.4         | 131       | 13           |
| 26/05/24 14:15 | 10          | 18                       | 28                       | 1                        | 16.6       | 63        | 1.2         | 128       | 20           |
| 26/05/24 14:20 | 10          | 18                       | 28                       | 1                        | 16.3       | 64        | 1.5         | 122       | 13           |
| 26/05/24 14:25 | 10          | 18                       | 28                       | 1                        | 16.1       | 65        | 1.3         | 126       | 13           |
| 26/05/24 14:30 | 10          | 19                       | 29                       | 1                        | 16.3       | 64        | 1.5         | 132       | 11           |
| 26/05/24 14:35 | 10          | 19                       | 29                       | 1                        | 16.4       | 65        | 1.3         | 130       | 14           |
| 26/05/24 14:40 | 11          | 20                       | 31                       | 1                        | 16.4       | 65        | 1.3         | 136       | 18           |
| 26/05/24 14:45 | 12          | 20                       | 32                       | 1                        | 16.8       | 65        | 1.1         | 136       | 18           |
| 26/05/24 14:50 | 11          | 20                       | 31                       | 1                        | 17.3       | 63        | 0.7         | 156       | 35           |
| 26/05/24 14:55 | 11          | 20                       | 30                       | 1                        | 17.6       | 62        | 1.0         | 152       | 27           |
| 26/05/24 15:00 | 10          | 19                       | 29                       | 1                        | 17.5       | 63        | 0.8         | 169       | 36           |
| 26/05/24 15:05 | 9           | 18                       | 28                       | 1                        | 17.5       | 63        | 1.0         | 154       | 34           |
| 26/05/24 15:10 | 9           | 18                       | 27                       | 1                        | 17.5       | 62        | 0.9         | 168       | 31           |
| 26/05/24 15:15 | 8           | 18                       | 26                       | 1                        | 17.3       | 63        | 1.2         | 148       | 27           |
| 26/05/24 15:20 | 7           | 17                       | 25                       | 1                        | 17.1       | 63        | 1.2         | 155       | 24           |
| 26/05/24 15:25 | 7           | 16                       | 22                       | 1                        | 17.2       | 63        | 0.9         | 162       | 28           |
| 26/05/24 15:30 | 6           | 15                       | 21                       | 1                        | 17.2       | 63        | 1.5         | 144       | 20           |
| 26/05/24 15:35 | 6           | 15                       | 21                       | 1                        | 17.0       | 64        | 1.4         | 134       | 18           |
| 26/05/24 15:40 | 5           | 16                       | 21                       | 1                        | 16.8       | 64        | 1.5         | 136       | 18           |
| 26/05/24 15:45 | 5           | 16                       | 21                       | 1                        | 16.9       | 65        | 1.6         | 140       | 16           |
| 26/05/24 15:50 | 4           | 15                       | 19                       | 1                        | 16.8       | 64        | 1.5         | 149       | 17           |
| 26/05/24 15:55 | 4           | 14                       | 18                       | 1                        | 16.9       | 62        | 1.5         | 144       | 14           |
| 26/05/24 16:00 | 3           | 8                        | 11                       | 1                        | 16.9       | 62        | 1.4         | 153       | 21           |
| 26/05/24 16:05 | 3           | 5                        | 8                        | 1                        | 17.0       | 63        | 0.8         | 165       | 32           |
| 26/05/24 16:10 | 2           | 6                        | 8                        | 1                        | 17.1       | 64        | 0.9         | 169       | 31           |
| 26/05/24 16:15 | 2           | 6                        | 8                        | 1                        | 17.3       | 65        | 0.9         | 169       | 29           |
| 26/05/24 16:20 | 2           | 7                        | 8                        | 1                        | 17.3       | 65        | 0.8         | 170       | 36           |
| 26/05/24 16:25 | 1           | 7                        | 8                        | 1                        | 17.1       | 66        | 0.6         | 175       | 44           |
| 26/05/24 16:30 | 1           | 7                        | 8                        | 1                        | 16.9       | 66        | 0.7         | 164       | 36           |
| 26/05/24 16:35 | 1           | 7                        | 8                        | 1                        | 16.9       | 67        | 0.7         | 162       | 38           |
| 26/05/24 16:40 | 1           | 7                        | 8                        | 0                        | 16.4       | 67        | 1.1         | 161       | 24           |
| 26/05/24 16:45 | 1           | 6                        | 7                        | 0                        | 16.2       | 67        | 1.2         | 154       | 25           |
| 26/05/24 16:50 | 1           | 6                        | 6                        | 0                        | 15.9       | 68        | 1.7         | 143       | 15           |
| 26/05/24 16:55 | 1           | 5                        | 6                        | 0                        | 15.7       | 69        | 1.3         | 151       | 22           |
| 26/05/24 17:00 | 1           | 4                        | 5                        | 0                        | 15.4       | 71        | 0.8         | 168       | 29           |
| 26/05/24 17:05 | 1           | 4                        | 5                        | 0                        | 15.3       | 72        | 1.5         | 151       | 18           |
| 26/05/24 17:10 | 0           | 4                        | 4                        | 0                        | 15.1       | 72        | 1.3         | 156       | 23           |
| 26/05/24 17:15 | 0           | 4                        | 4                        | 0                        | 14.9       | 73        | 1.7         | 141       | 14           |
| 26/05/24 17:20 | 0           | 4                        | 4                        | 0                        | 14.8       | 73        | 1.6         | 147       | 14           |
| 26/05/24 17:25 | 0           | 3                        | 3                        | 0                        | 14.8       | 73        | 0.8         | 159       | 29           |
| 26/05/24 17:30 | 0           | 3                        | 3                        | 0                        | 14.7       | 74        | 1.2         | 158       | 25           |
| 26/05/24 17:35 | 0           | 3                        | 3                        | 0                        | 14.7       | 75        | 1.0         | 167       | 21           |
| 26/05/24 17:40 | 0           | 3                        | 3                        | 0                        | 14.5       | 75        | 1.0         | 171       | 26           |
| 26/05/24 17:45 | 0           | 3                        | 3                        | 0                        | 14.5       | 76        | 0.9         | 163       | 22           |
| 26/05/24 17:50 | 0           | 3                        | 3                        | 0                        | 14.4       | 76        | 1.1         | 148       | 20           |
| 26/05/24 17:55 | 0           | 3                        | 3                        | 0                        | 14.4       | 76        | 1.4         | 140       | 19           |
| 26/05/24 18:00 | 0           | 3                        | 3                        | 0                        | 14.5       | 77        | 1.2         | 132       | 21           |
| 26/05/24 18:05 | 0           | 3                        | 3                        | 0                        | 14.5       | 77        | 0.9         | 130       | 21           |
| 26/05/24 18:10 | 0           | 3                        | 3                        | 0                        | 14.4       | 78        | 1.2         | 133       | 14           |
| 26/05/24 18:15 | 0           | 3                        | 3                        | 0                        | 14.3       | 78        | 1.3         | 143       | 14           |
| 26/05/24 18:20 | 0           | 3                        | 4                        | 0                        | 14.3       | 78        | 1.0         | 155       | 17           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 26/05/24 18:25 | 0           | 3                        | 4                        | 0                        | 14.3       | 79        | 1.0         | 147       | 19           |
| 26/05/24 18:30 | 0           | 3                        | 3                        | 0                        | 14.4       | 80        | 1.0         | 135       | 15           |
| 26/05/24 18:35 | 0           | 4                        | 4                        | 0                        | 14.2       | 79        | 0.5         | 127       | 13           |
| 26/05/24 18:40 | 0           | 6                        | 6                        | 0                        | 14.0       | 78        | 0.8         | 93        | 8            |
| 26/05/24 18:45 | 0           | 14                       | 14                       | 0                        | 13.9       | 78        | 1.0         | 80        | 6            |
| 26/05/24 18:50 | 0           | 18                       | 18                       | 0                        | 13.9       | 77        | 1.0         | 73        | 5            |
| 26/05/24 18:55 | 0           | 17                       | 17                       | 0                        | 13.6       | 78        | 0.7         | 75        | 11           |
| 26/05/24 19:00 | 1           | 27                       | 28                       | 0                        | 13.4       | 78        | 1.1         | 51        | 9            |
| 26/05/24 19:05 | 9           | 36                       | 45                       | 0                        | 13.2       | 78        | 0.9         | 52        | 8            |
| 26/05/24 19:10 | 18          | 33                       | 51                       | 0                        | 13.1       | 79        | 0.5         | 82        | 8            |
| 26/05/24 19:15 | 15          | 32                       | 47                       | 0                        | 13.0       | 78        | 0.7         | 67        | 12           |
| 26/05/24 19:20 | 13          | 30                       | 43                       | 0                        | 12.9       | 79        | 1.1         | 54        | 5            |
| 26/05/24 19:25 | 12          | 30                       | 43                       | 0                        | 12.8       | 78        | 0.8         | 63        | 10           |
| 26/05/24 19:30 | 16          | 30                       | 47                       | 0                        | 12.9       | 77        | 1.2         | 58        | 6            |
| 26/05/24 19:35 | 16          | 31                       | 47                       | 0                        | 12.9       | 77        | 1.4         | 52        | 8            |
| 26/05/24 19:40 | 19          | 35                       | 53                       | 0                        | 12.8       | 77        | 1.4         | 53        | 7            |
| 26/05/24 19:45 | 21          | 35                       | 55                       | 0                        | 12.8       | 78        | 1.4         | 49        | 5            |
| 26/05/24 19:50 | 23          | 34                       | 57                       | 0                        | 12.7       | 78        | 1.4         | 44        | 6            |
| 26/05/24 19:55 | 32          | 33                       | 65                       | 0                        | 12.5       | 79        | 1.6         | 44        | 6            |
| 26/05/24 20:00 | 35          | 35                       | 69                       | 0                        | 12.4       | 79        | 1.5         | 42        | 6            |
| 26/05/24 20:05 | 34          | 34                       | 68                       | 0                        | 12.4       | 79        | 1.6         | 35        | 6            |
| 26/05/24 20:10 | 37          | 34                       | 71                       | 0                        | 12.4       | 78        | 1.5         | 34        | 6            |
| 26/05/24 20:15 | 39          | 34                       | 73                       | 0                        | 12.4       | 78        | 1.5         | 33        | 4            |
| 26/05/24 20:20 | 42          | 33                       | 76                       | 0                        | 12.1       | 80        | 1.4         | 24        | 11           |
| 26/05/24 20:25 | 51          | 36                       | 87                       | 0                        | 12.2       | 79        | 1.7         | 5         | 5            |
| 26/05/24 20:30 | 69          | 38                       | 107                      | 0                        | 12.3       | 79        | 1.2         | 351       | 12           |
| 26/05/24 20:35 | 69          | 39                       | 107                      | 0                        | 12.4       | 79        | 1.1         | 344       | 13           |
| 26/05/24 20:40 | 67          | 39                       | 106                      | 0                        | 12.4       | 78        | 0.7         | 330       | 23           |
| 26/05/24 20:45 | 62          | 41                       | 103                      | 0                        | 12.2       | 79        | 0.5         | 280       | 20           |
| 26/05/24 20:50 | 60          | 39                       | 99                       | 0                        | 12.2       | 80        | 0.9         | 306       | 15           |
| 26/05/24 20:55 | 61          | 38                       | 98                       | 1                        | 12.0       | 79        | 0.8         | 333       | 21           |
| 26/05/24 21:00 | 61          | 36                       | 97                       | 1                        | 11.9       | 80        | 1.6         | 344       | 15           |
| 26/05/24 21:05 | 63          | 34                       | 97                       | 1                        | 11.8       | 80        | 1.8         | 353       | 13           |
| 26/05/24 21:10 | 63          | 35                       | 98                       | 1                        | 11.7       | 80        | 1.6         | 344       | 13           |
| 26/05/24 21:15 | 62          | 35                       | 97                       | 1                        | 12.1       | 79        | 1.9         | 341       | 13           |
| 26/05/24 21:20 | 62          | 35                       | 97                       | 1                        | 12.2       | 78        | 2.3         | 334       | 14           |
| 26/05/24 21:25 | 62          | 35                       | 96                       | 1                        | 12.3       | 78        | 2.5         | 330       | 7            |
| 26/05/24 21:30 | 60          | 35                       | 95                       | 1                        | 12.3       | 77        | 2.3         | 333       | 13           |
| 26/05/24 21:35 | 52          | 37                       | 88                       | 1                        | 12.4       | 77        | 2.0         | 332       | 13           |
| 26/05/24 21:40 | 46          | 34                       | 79                       | 1                        | 12.4       | 77        | 2.0         | 336       | 14           |
| 26/05/24 21:45 | 45          | 33                       | 77                       | 1                        | 12.3       | 77        | 2.1         | 332       | 13           |
| 26/05/24 21:50 | 46          | 33                       | 79                       | 1                        | 12.2       | 78        | 2.0         | 329       | 13           |
| 26/05/24 21:55 | 49          | 35                       | 84                       | 1                        | 12.1       | 78        | 2.1         | 328       | 14           |
| 26/05/24 22:00 | 54          | 34                       | 88                       | 0                        | 12.1       | 78        | 2.0         | 323       | 16           |
| 26/05/24 22:05 | 58          | 34                       | 91                       | 1                        | 12.0       | 79        | 1.6         | 323       | 16           |
| 26/05/24 22:10 | 56          | 30                       | 86                       | 1                        | 12.0       | 79        | 1.8         | 331       | 20           |
| 26/05/24 22:15 | 51          | 32                       | 83                       | 1                        | 12.0       | 78        | 1.8         | 330       | 23           |
| 26/05/24 22:20 | 50          | 34                       | 83                       | 1                        | 12.0       | 78        | 1.6         | 327       | 21           |
| 26/05/24 22:25 | 59          | 28                       | 87                       | 1                        | 12.0       | 78        | 1.4         | 333       | 28           |
| 26/05/24 22:30 | 61          | 30                       | 91                       | 1                        | 11.7       | 79        | 1.1         | 353       | 27           |
| 26/05/24 22:35 | 61          | 31                       | 92                       | 1                        | 11.6       | 79        | 1.2         | 347       | 26           |
| 26/05/24 22:40 | 59          | 32                       | 91                       | 1                        | 11.4       | 80        | 1.7         | 4         | 14           |
| 26/05/24 22:45 | 58          | 32                       | 90                       | 1                        | 11.2       | 81        | 1.5         | 342       | 28           |
| 26/05/24 22:50 | 60          | 32                       | 92                       | 1                        | 11.3       | 81        | 1.6         | 346       | 21           |
| 26/05/24 22:55 | 60          | 32                       | 92                       | 1                        | 11.2       | 81        | 1.6         | 353       | 20           |
| 26/05/24 23:00 | 58          | 33                       | 91                       | 1                        | 11.2       | 81        | 1.9         | 358       | 15           |
| 26/05/24 23:05 | 50          | 37                       | 87                       | 1                        | 11.2       | 80        | 1.9         | 353       | 17           |
| 26/05/24 23:10 | 38          | 35                       | 72                       | 1                        | 11.3       | 79        | 1.7         | 341       | 24           |
| 26/05/24 23:15 | 34          | 26                       | 60                       | 1                        | 11.3       | 79        | 2.0         | 354       | 15           |
| 26/05/24 23:20 | 32          | 28                       | 60                       | 0                        | 11.3       | 78        | 1.6         | 350       | 17           |
| 26/05/24 23:25 | 32          | 28                       | 60                       | 0                        | 11.4       | 79        | 1.1         | 312       | 26           |
| 26/05/24 23:30 | 34          | 28                       | 62                       | 1                        | 11.2       | 79        | 1.7         | 319       | 17           |
| 26/05/24 23:35 | 35          | 28                       | 63                       | 1                        | 11.1       | 80        | 1.5         | 318       | 17           |
| 26/05/24 23:40 | 36          | 28                       | 64                       | 0                        | 10.9       | 80        | 0.8         | 350       | 36           |
| 26/05/24 23:45 | 36          | 28                       | 63                       | 0                        | 10.6       | 80        | 1.2         | 7         | 18           |
| 26/05/24 23:50 | 35          | 27                       | 63                       |                          | 10.4       | 81        | 1.1         | 342       | 26           |
| 26/05/24 23:55 | 34          | 27                       | 61                       |                          | 10.5       | 82        | 1.2         | 323       | 22           |
| 27/05/24 00:00 | 33          | 27                       | 59                       | 0                        | 10.5       | 81        | 1.5         | 322       | 20           |
| 27/05/24 00:05 | 31          | 26                       | 57                       | 0                        | 10.4       | 81        | 1.6         | 309       | 14           |
| 27/05/24 00:10 | 29          | 26                       | 55                       | 1                        | 10.4       | 81        | 1.6         | 337       | 18           |
| 27/05/24 00:15 | 28          | 25                       | 53                       | 0                        | 10.3       | 82        | 1.5         | 359       | 22           |
| 27/05/24 00:20 | 27          | 25                       | 52                       | 1                        | 10.1       | 82        | 1.1         | 11        | 24           |
| 27/05/24 00:25 | 27          | 25                       | 52                       | 1                        | 9.7        | 83        | 0.7         | 17        | 20           |
| 27/05/24 00:30 | 28          | 24                       | 52                       | 1                        | 9.5        | 84        | 0.6         | 21        | 30           |
| 27/05/24 00:35 | 27          | 24                       | 51                       | 1                        | 9.5        | 85        | 1.1         | 355       | 20           |
| 27/05/24 00:40 | 26          | 24                       | 50                       | 1                        | 9.6        | 85        | 0.8         | 321       | 17           |
| 27/05/24 00:45 | 24          | 24                       | 48                       | 1                        | 9.8        | 84        | 0.7         | 323       | 31           |
| 27/05/24 00:50 | 24          | 24                       | 47                       | 1                        | 9.9        | 84        | 0.5         | 12        | 38           |
| 27/05/24 00:55 | 23          | 24                       | 47                       | 1                        | 9.6        | 84        | 1.0         | 8         | 17           |
| 27/05/24 01:00 | 23          | 23                       | 47                       | 1                        | 9.5        | 85        | 1.2         | 339       | 16           |
| 27/05/24 01:05 |             |                          |                          |                          | 9.8        | 84        | 1.2         | 343       | 22           |
| 27/05/24 01:10 |             |                          |                          |                          | 9.7        | 83        | 1.3         | 2         | 16           |
| 27/05/24 01:15 |             |                          |                          |                          | 9.3        | 84        | 1.0         | 29        | 22           |
| 27/05/24 01:20 |             |                          |                          |                          | 9.0        | 86        | 0.8         | 53        | 9            |
| 27/05/24 01:25 |             |                          |                          |                          | 8.9        | 87        | 0.7         | 38        | 14           |
| 27/05/24 01:30 |             |                          |                          |                          | 8.9        | 87        | 0.7         | 34        | 7            |
| 27/05/24 01:35 |             |                          |                          |                          | 9.0        | 87        | 0.8         | 25        | 9            |
| 27/05/24 01:40 |             |                          |                          |                          | 9.0        | 86        | 0.8         | 45        | 10           |
| 27/05/24 01:45 |             |                          |                          |                          | 8.9        | 87        | 0.9         | 48        | 8            |
| 27/05/24 01:50 |             |                          |                          |                          | 8.8        | 87        | 0.9         | 43        | 7            |
| 27/05/24 01:55 |             |                          |                          |                          | 8.8        | 87        | 0.9         | 25        | 10           |
| 27/05/24 02:00 |             |                          |                          |                          | 8.8        | 86        | 1.1         | 6         | 9            |
| 27/05/24 02:05 | 22          | 23                       | 45                       | 1                        | 8.9        | 86        | 1.5         | 4         | 9            |
| 27/05/24 02:10 | 22          | 22                       | 44                       | 0                        | 8.7        | 86        | 1.1         | 14        | 17           |
| 27/05/24 02:15 | 22          | 22                       | 44                       | 0                        | 8.6        | 87        | 1.1         | 34        | 11           |
| 27/05/24 02:20 | 23          | 22                       | 44                       | 0                        | 8.4        | 88        | 1.1         | 0         | 18           |
| 27/05/24 02:25 | 21          | 22                       | 43                       | 0                        | 8.6        | 87        | 1.4         | 3         | 15           |
| 27/05/24 02:30 | 19          | 23                       | 42                       | 1                        | 8.7        | 86        | 0.8         | 46        | 14           |
| 27/05/24 02:35 | 20          | 22                       | 42                       | 1                        | 8.4        | 87        | 1.0         | 51        | 10           |
| 27/05/24 02:40 | 21          | 21                       | 41                       | 1                        | 8.4        | 88        | 0.9         | 20        | 10           |
| 27/05/24 02:45 | 21          | 21                       | 42                       | 1                        | 8.3        | 87        | 1.0         | 18        | 21           |
| 27/05/24 02:50 | 21          | 20                       | 42                       | 1                        | 8.4        | 87        | 1.3         | 43        | 9            |
| 27/05/24 02:55 | 20          | 20                       | 40                       | 1                        | 8.2        | 87        | 1.5         | 36        | 9            |
| 27/05/24 03:00 | 19          | 20                       | 39                       | 1                        | 8.2        | 88        | 1.5         | 24        | 10           |
| 27/05/24 03:05 | 19          | 19                       | 39                       | 1                        | 8.1        | 88        | 1.8         | 36        | 7            |
| 27/05/24 03:10 | 19          | 19                       | 38                       | 1                        | 8.1        | 88        | 1.5         | 36        | 9            |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 27/05/24 03:15 | 20          | 19                       | 39                       | 1                        | 8.1        | 88        | 1.1         | 11        | 17           |
| 27/05/24 03:20 | 19          | 19                       | 38                       | 1                        | 8.1        | 88        | 1.0         | 359       | 26           |
| 27/05/24 03:25 | 20          | 19                       | 39                       | 1                        | 8.2        | 88        | 1.1         | 34        | 10           |
| 27/05/24 03:30 | 20          | 19                       | 39                       | 1                        | 8.0        | 88        | 0.9         | 24        | 16           |
| 27/05/24 03:35 | 20          | 19                       | 39                       | 1                        | 7.9        | 88        | 1.3         | 51        | 7            |
| 27/05/24 03:40 | 19          | 19                       | 37                       | 1                        | 7.8        | 88        | 1.6         | 44        | 7            |
| 27/05/24 03:45 | 18          | 18                       | 36                       | 1                        | 7.8        | 88        | 1.6         | 39        | 6            |
| 27/05/24 03:50 | 17          | 18                       | 35                       | 1                        | 7.8        | 88        | 1.4         | 40        | 8            |
| 27/05/24 03:55 | 17          | 18                       | 36                       | 1                        | 7.7        | 88        | 1.4         | 34        | 7            |
| 27/05/24 04:00 | 18          | 18                       | 36                       | 1                        | 7.8        | 88        | 0.9         | 38        | 14           |
| 27/05/24 04:05 | 18          | 19                       | 37                       | 1                        | 7.8        | 88        | 1.1         | 46        | 6            |
| 27/05/24 04:10 | 17          | 19                       | 36                       | 1                        | 7.8        | 87        | 1.1         | 40        | 6            |
| 27/05/24 04:15 | 16          | 18                       | 35                       | 1                        | 7.7        | 87        | 1.1         | 41        | 8            |
| 27/05/24 04:20 | 16          | 18                       | 34                       | 1                        | 7.7        | 88        | 1.2         | 41        | 8            |
| 27/05/24 04:25 | 15          | 18                       | 33                       | 1                        | 7.7        | 88        | 0.9         | 25        | 15           |
| 27/05/24 04:30 | 15          | 18                       | 33                       | 1                        | 7.6        | 88        | 1.3         | 21        | 10           |
| 27/05/24 04:35 | 15          | 18                       | 34                       | 1                        | 7.7        | 87        | 1.2         | 37        | 13           |
| 27/05/24 04:40 | 16          | 19                       | 34                       | 1                        | 7.8        | 87        | 1.4         | 43        | 7            |
| 27/05/24 04:45 | 16          | 19                       | 34                       | 1                        | 7.8        | 86        | 1.5         | 41        | 7            |
| 27/05/24 04:50 | 15          | 18                       | 34                       | 1                        | 7.7        | 87        | 1.4         | 40        | 9            |
| 27/05/24 04:55 | 14          | 18                       | 33                       | 1                        | 7.6        | 87        | 1.7         | 45        | 5            |
| 27/05/24 05:00 | 14          | 18                       | 31                       | 1                        | 7.6        | 87        | 1.5         | 40        | 6            |
| 27/05/24 05:05 | 13          | 18                       | 31                       | 1                        | 7.5        | 88        | 1.4         | 38        | 8            |
| 27/05/24 05:10 | 13          | 18                       | 31                       | 1                        | 7.4        | 88        | 1.4         | 43        | 8            |
| 27/05/24 05:15 | 13          | 17                       | 31                       | 1                        | 7.3        | 88        | 1.5         | 36        | 6            |
| 27/05/24 05:20 | 13          | 17                       | 31                       | 1                        | 7.3        | 88        | 1.6         | 37        | 6            |
| 27/05/24 05:25 | 14          | 17                       | 31                       | 1                        | 7.2        | 88        | 1.5         | 36        | 8            |
| 27/05/24 05:30 | 14          | 17                       | 31                       | 1                        | 7.3        | 88        | 1.1         | 26        | 17           |
| 27/05/24 05:35 | 16          | 17                       | 33                       | 1                        | 7.2        | 88        | 1.6         | 48        | 7            |
| 27/05/24 05:40 | 16          | 17                       | 33                       | 1                        | 7.3        | 88        | 1.4         | 42        | 9            |
| 27/05/24 05:45 | 16          | 17                       | 34                       | 1                        | 7.3        | 88        | 1.3         | 41        | 6            |
| 27/05/24 05:50 | 17          | 17                       | 34                       | 1                        | 7.3        | 88        | 1.4         | 46        | 8            |
| 27/05/24 05:55 | 17          | 17                       | 34                       | 1                        | 7.2        | 88        | 1.4         | 37        | 7            |
| 27/05/24 06:00 | 18          | 17                       | 35                       | 1                        | 7.2        | 88        | 1.3         | 40        | 6            |
| 27/05/24 06:05 | 19          | 17                       | 36                       | 0                        | 7.2        | 88        | 1.6         | 44        | 6            |
| 27/05/24 06:10 | 20          | 17                       | 37                       | 0                        | 7.1        | 88        | 1.5         | 43        | 7            |
| 27/05/24 06:15 | 20          | 17                       | 38                       | 1                        | 7.1        | 88        | 1.8         | 46        | 8            |
| 27/05/24 06:20 | 21          | 17                       | 38                       | 1                        | 7.0        | 88        | 1.5         | 39        | 7            |
| 27/05/24 06:25 | 22          | 17                       | 40                       | 1                        | 7.0        | 89        | 1.5         | 43        | 7            |
| 27/05/24 06:30 | 23          | 17                       | 41                       | 1                        | 7.0        | 89        | 1.4         | 43        | 7            |
| 27/05/24 06:35 | 25          | 18                       | 43                       | 1                        | 7.0        | 89        | 1.2         | 47        | 7            |
| 27/05/24 06:40 | 27          | 18                       | 44                       | 1                        | 7.0        | 89        | 1.5         | 54        | 7            |
| 27/05/24 06:45 | 28          | 18                       | 46                       | 0                        | 7.0        | 89        | 1.3         | 48        | 6            |
| 27/05/24 06:50 | 29          | 18                       | 47                       | 0                        | 6.9        | 88        | 1.6         | 38        | 8            |
| 27/05/24 06:55 | 30          | 18                       | 48                       | 1                        | 6.9        | 88        | 1.6         | 31        | 6            |
| 27/05/24 07:00 | 34          | 19                       | 53                       | 1                        | 7.0        | 88        | 1.7         | 34        | 6            |
| 27/05/24 07:05 | 58          | 20                       | 77                       | 1                        | 7.0        | 88        | 1.8         | 34        | 5            |
| 27/05/24 07:10 | 64          | 20                       | 84                       | 1                        | 6.9        | 88        | 1.6         | 30        | 6            |
| 27/05/24 07:15 | 70          | 23                       | 93                       | 1                        | 6.9        | 88        | 1.6         | 38        | 7            |
| 27/05/24 07:20 | 68          | 24                       | 92                       | 1                        | 6.9        | 88        | 1.7         | 44        | 9            |
| 27/05/24 07:25 | 66          | 23                       | 89                       | 1                        | 6.9        | 88        | 1.4         | 40        | 6            |
| 27/05/24 07:30 | 67          | 22                       | 89                       | 1                        | 6.9        | 88        | 1.3         | 47        | 6            |
| 27/05/24 07:35 | 70          | 23                       | 93                       | 1                        | 6.9        | 88        | 1.4         | 50        | 6            |
| 27/05/24 07:40 | 71          | 24                       | 96                       | 1                        | 7.0        | 88        | 1.4         | 45        | 8            |
| 27/05/24 07:45 | 69          | 21                       | 90                       | 1                        | 7.1        | 88        | 1.8         | 54        | 6            |
| 27/05/24 07:50 | 69          | 22                       | 90                       | 1                        | 7.2        | 87        | 1.5         | 62        | 8            |
| 27/05/24 07:55 | 69          | 23                       | 92                       | 1                        | 7.2        | 87        | 1.5         | 52        | 9            |
| 27/05/24 08:00 | 68          | 22                       | 90                       | 1                        | 7.5        | 86        | 1.4         | 35        | 10           |
| 27/05/24 08:05 | 69          | 21                       | 90                       | 1                        | 7.8        | 83        | 1.8         | 38        | 7            |
| 27/05/24 08:10 | 69          | 21                       | 91                       | 1                        | 8.1        | 82        | 1.7         | 43        | 7            |
| 27/05/24 08:15 | 69          | 21                       | 91                       | 1                        | 8.3        | 81        | 1.6         | 42        | 9            |
| 27/05/24 08:20 | 70          | 22                       | 91                       | 1                        | 8.6        | 80        | 1.7         | 35        | 8            |
| 27/05/24 08:25 | 88          | 16                       | 104                      | 1                        | 8.8        | 79        | 1.6         | 36        | 9            |
| 27/05/24 08:30 | 105         | 25                       | 130                      | 1                        | 9.1        | 78        | 1.5         | 36        | 7            |
| 27/05/24 08:35 | 103         | 26                       | 129                      | 1                        | 9.5        | 77        | 1.2         | 25        | 17           |
| 27/05/24 08:40 | 99          | 29                       | 128                      | 1                        | 10.1       | 74        | 1.5         | 11        | 19           |
| 27/05/24 08:45 | 70          | 31                       | 101                      | 1                        | 10.7       | 71        | 1.5         | 20        | 23           |
| 27/05/24 08:50 | 63          | 27                       | 91                       | 1                        | 11.0       | 70        | 1.8         | 18        | 18           |
| 27/05/24 08:55 | 61          | 27                       | 88                       | 1                        | 11.0       | 68        | 1.9         | 15        | 16           |
| 27/05/24 09:00 | 62          | 27                       | 89                       | 1                        | 11.3       | 68        | 1.8         | 12        | 21           |
| 27/05/24 09:05 | 61          | 27                       | 88                       | 1                        | 11.4       | 67        | 2.4         | 14        | 16           |
| 27/05/24 09:10 | 59          | 26                       | 86                       | 1                        | 11.5       | 67        | 2.1         | 11        | 16           |
| 27/05/24 09:15 | 57          | 27                       | 84                       | 1                        | 11.4       | 67        | 2.2         | 14        | 15           |
| 27/05/24 09:20 | 56          | 27                       | 82                       | 1                        | 11.6       | 66        | 1.7         | 16        | 19           |
| 27/05/24 09:25 | 56          | 27                       | 83                       | 1                        | 11.8       | 66        | 2.1         | 16        | 15           |
| 27/05/24 09:30 | 57          | 27                       | 84                       | 1                        | 12.0       | 65        | 1.7         | 17        | 15           |
| 27/05/24 09:35 | 58          | 27                       | 85                       | 1                        | 12.1       | 64        | 1.9         | 16        | 16           |
| 27/05/24 09:40 | 59          | 27                       | 86                       | 1                        | 12.3       | 64        | 1.6         | 21        | 17           |
| 27/05/24 09:45 | 60          | 28                       | 88                       | 1                        | 12.5       | 64        | 2.0         | 23        | 17           |
| 27/05/24 09:50 | 63          | 28                       | 91                       | 1                        | 12.6       | 63        | 1.6         | 21        | 16           |
| 27/05/24 09:55 | 66          | 28                       | 94                       | 1                        | 12.8       | 63        | 1.8         | 11        | 20           |
| 27/05/24 10:00 | 67          | 28                       | 95                       | 1                        | 13.0       | 62        | 2.2         | 5         | 11           |
| 27/05/24 10:05 | 66          | 29                       | 95                       | 1                        | 13.2       | 61        | 2.3         | 4         | 10           |
| 27/05/24 10:10 | 66          | 29                       | 95                       | 1                        | 13.4       | 61        | 1.8         | 14        | 17           |
| 27/05/24 10:15 | 66          | 29                       | 95                       | 1                        | 13.6       | 60        | 1.7         | 3         | 20           |
| 27/05/24 10:20 | 66          | 29                       | 95                       | 1                        | 14.0       | 60        | 1.8         | 3         | 16           |
| 27/05/24 10:25 | 66          | 29                       | 95                       | 2                        | 14.1       | 59        | 1.5         | 9         | 20           |
| 27/05/24 10:30 | 66          | 29                       | 95                       | 2                        | 14.2       | 59        | 1.7         | 352       | 17           |
| 27/05/24 10:35 | 65          | 30                       | 95                       | 2                        | 14.5       | 59        | 1.5         | 21        | 21           |
| 27/05/24 10:40 | 65          | 30                       | 95                       | 2                        | 14.9       | 57        | 1.9         | 25        | 13           |
| 27/05/24 10:45 | 64          | 30                       | 94                       | 2                        | 15.3       | 56        | 1.2         | 19        | 25           |
| 27/05/24 10:50 | 62          | 30                       | 92                       | 2                        | 15.5       | 54        | 1.6         | 13        | 18           |
| 27/05/24 10:55 | 61          | 30                       | 91                       | 2                        | 15.7       | 54        | 1.1         | 6         | 31           |
| 27/05/24 11:00 | 60          | 30                       | 90                       | 2                        | 16.1       | 53        | 1.1         | 7         | 25           |
| 27/05/24 11:05 | 59          | 31                       | 90                       | 1                        | 16.2       | 52        | 1.4         | 349       | 25           |
| 27/05/24 11:10 | 59          | 31                       | 90                       | 1                        | 16.1       | 52        | 1.6         | 359       | 26           |
| 27/05/24 11:15 | 58          | 31                       | 89                       | 1                        | 16.4       | 51        | 1.6         | 21        | 22           |
| 27/05/24 11:20 | 58          | 32                       | 89                       | 1                        | 16.5       | 51        | 1.3         | 19        | 23           |
| 27/05/24 11:25 | 56          | 33                       | 88                       | 1                        | 16.9       | 51        | 0.5         | 11        | 52           |
| 27/05/24 11:30 | 53          | 33                       | 86                       | 1                        | 17.3       | 49        | 0.9         | 348       | 43           |
| 27/05/24 11:35 | 43          | 36                       | 79                       | 1                        | 17.3       | 48        | 0.8         | 359       | 40           |
| 27/05/24 11:40 | 42          | 32                       | 74                       | 1                        | 17.5       | 47        | 2.1         | 22        | 20           |
| 27/05/24 11:45 | 39          | 27                       | 66                       | 1                        | 17.5       | 47        | 1.1         | 353       | 34           |
| 27/05/24 11:50 | 33          | 26                       | 59                       | 1                        | 17.6       | 46        | 1.3         | 17        | 24           |
| 27/05/24 11:55 | 29          | 26                       | 55                       | 1                        | 17.8       | 46        | 1.0         | 1         | 50           |
| 27/05/24 12:00 | 22          | 24                       | 46                       | 1                        | 17.7       | 46        | 0.8         | 287       | 28           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 27/05/24 12:05 | 10          | 16                       | 26                       | 1                        | 17.8       | 43        | 0.7         | 316       | 53           |
| 27/05/24 12:10 | 8           | 14                       | 22                       | 1                        | 18.1       | 42        | 1.1         | 330       | 22           |
| 27/05/24 12:15 | 8           | 15                       | 23                       | 1                        | 18.3       | 40        | 1.5         | 351       | 21           |
| 27/05/24 12:20 | 8           | 15                       | 24                       | 1                        | 18.5       | 41        | 0.9         | 340       | 38           |
| 27/05/24 12:25 | 8           | 15                       | 23                       | 1                        | 18.3       | 41        | 1.0         | 326       | 50           |
| 27/05/24 12:30 | 8           | 15                       | 23                       | 1                        | 18.5       | 41        | 1.0         | 330       | 37           |
| 27/05/24 12:35 | 8           | 15                       | 23                       | 1                        | 18.3       | 41        | 1.2         | 338       | 40           |
| 27/05/24 12:40 | 8           | 15                       | 23                       | 1                        | 18.7       | 39        | 1.4         | 357       | 24           |
| 27/05/24 12:45 | 7           | 14                       | 22                       | 1                        | 18.8       | 39        | 1.2         | 332       | 37           |
| 27/05/24 12:50 | 7           | 14                       | 21                       | 1                        | 18.7       | 39        | 1.5         | 15        | 28           |
| 27/05/24 12:55 | 6           | 14                       | 20                       | 1                        | 18.9       | 39        | 1.0         | 335       | 42           |
| 27/05/24 13:00 | 6           | 13                       | 19                       | 1                        | 18.8       | 40        | 1.4         | 330       | 27           |
| 27/05/24 13:05 | 6           | 13                       | 19                       | 1                        | 18.9       | 39        | 0.5         | 330       | 65           |
| 27/05/24 13:10 | 6           | 12                       | 18                       | 1                        | 19.1       | 39        | 0.6         | 32        | 60           |
| 27/05/24 13:15 | 6           | 13                       | 19                       | 1                        | 19.5       | 40        | 0.4         | 303       | 63           |
| 27/05/24 13:20 | 6           | 13                       | 19                       | 1                        | 19.4       | 39        | 1.6         | 299       | 22           |
| 27/05/24 13:25 | 6           | 12                       | 18                       | 1                        | 19.4       | 37        | 1.4         | 352       | 25           |
| 27/05/24 13:30 | 6           | 12                       | 17                       | 1                        | 19.7       | 38        | 0.6         | 320       | 51           |
| 27/05/24 13:35 | 6           | 12                       | 17                       | 1                        | 19.8       | 38        | 0.9         | 305       | 38           |
| 27/05/24 13:40 | 5           | 12                       | 17                       | 1                        | 19.7       | 38        | 0.7         | 338       | 50           |
| 27/05/24 13:45 | 5           | 11                       | 16                       | 1                        | 19.8       | 39        | 0.9         | 294       | 28           |
| 27/05/24 13:50 | 5           | 11                       | 16                       | 1                        | 19.6       | 39        | 1.8         | 299       | 16           |
| 27/05/24 13:55 | 5           | 11                       | 16                       | 1                        | 19.3       | 39        | 1.4         | 302       | 24           |
| 27/05/24 14:00 | 5           | 11                       | 15                       | 1                        | 19.7       | 38        | 0.7         | 326       | 53           |
| 27/05/24 14:05 | 4           | 11                       | 15                       | 1                        | 19.7       | 38        | 1.0         | 308       | 31           |
| 27/05/24 14:10 | 4           | 11                       | 15                       | 1                        | 19.9       | 38        | 1.3         | 349       | 35           |
| 27/05/24 14:15 | 5           | 11                       | 16                       | 1                        | 20.1       | 37        | 1.2         | 19        | 42           |
| 27/05/24 14:20 | 5           | 12                       | 17                       | 1                        | 20.1       | 39        | 1.2         | 287       | 30           |
| 27/05/24 14:25 | 4           | 11                       | 16                       | 1                        | 20.4       | 38        | 0.8         | 327       | 44           |
| 27/05/24 14:30 | 4           | 11                       | 15                       | 1                        | 20.6       | 36        | 2.1         | 9         | 20           |
| 27/05/24 14:35 | 4           | 11                       | 15                       | 1                        | 20.6       | 36        | 1.5         | 7         | 26           |
| 27/05/24 14:40 | 4           | 10                       | 14                       | 1                        | 20.7       | 36        | 1.1         | 9         | 50           |
| 27/05/24 14:45 | 4           | 11                       | 15                       | 0                        | 20.5       | 37        | 1.4         | 322       | 31           |
| 27/05/24 14:50 | 4           | 10                       | 14                       | 0                        | 20.4       | 37        | 1.0         | 329       | 38           |
| 27/05/24 14:55 | 4           | 10                       | 14                       | 0                        | 20.4       | 36        | 1.6         | 35        | 12           |
| 27/05/24 15:00 | 4           | 10                       | 13                       | 1                        | 20.5       | 37        | 1.2         | 347       | 41           |
| 27/05/24 15:05 | 4           | 10                       | 13                       | 0                        | 20.4       | 37        | 1.1         | 317       | 30           |
| 27/05/24 15:10 | 4           | 9                        | 13                       | 0                        | 20.8       | 36        | 0.8         | 4         | 35           |
| 27/05/24 15:15 | 3           | 10                       | 13                       | 0                        | 21.0       | 36        | 1.6         | 352       | 27           |
| 27/05/24 15:20 | 3           | 9                        | 12                       | 0                        | 20.7       | 37        | 1.9         | 300       | 21           |
| 27/05/24 15:25 | 3           | 9                        | 12                       | 0                        | 20.4       | 38        | 0.9         | 348       | 40           |
| 27/05/24 15:30 | 3           | 9                        | 12                       | 1                        | 20.7       | 37        | 0.6         | 320       | 45           |
| 27/05/24 15:35 | 3           | 9                        | 12                       | 1                        | 20.9       | 38        | 1.1         | 325       | 40           |
| 27/05/24 15:40 | 3           | 10                       | 12                       | 0                        | 20.8       | 36        | 1.0         | 22        | 31           |
| 27/05/24 15:45 | 2           | 10                       | 12                       | 0                        | 20.8       | 36        | 1.4         | 15        | 37           |
| 27/05/24 15:50 | 2           | 10                       | 13                       | 0                        | 21.0       | 36        | 1.0         | 32        | 28           |
| 27/05/24 15:55 | 2           | 11                       | 13                       | 0                        | 21.0       | 36        | 1.1         | 12        | 18           |
| 27/05/24 16:00 | 3           | 11                       | 14                       | 0                        | 20.9       | 36        | 1.8         | 24        | 14           |
| 27/05/24 16:05 | 3           | 12                       | 15                       | 0                        | 20.8       | 37        | 0.7         | 313       | 42           |
| 27/05/24 16:10 | 3           | 12                       | 15                       | 0                        | 20.8       | 38        | 0.8         | 302       | 18           |
| 27/05/24 16:15 | 2           | 12                       | 15                       | 0                        | 20.7       | 37        | 1.1         | 10        | 26           |
| 27/05/24 16:20 | 2           | 13                       | 15                       | 0                        | 20.7       | 37        | 0.7         | 29        | 15           |
| 27/05/24 16:25 | 2           | 13                       | 16                       | 0                        | 20.5       | 38        | 1.6         | 31        | 14           |
| 27/05/24 16:30 | 2           | 14                       | 16                       | 0                        | 20.3       | 38        | 1.7         | 34        | 17           |
| 27/05/24 16:35 | 2           | 14                       | 16                       | 0                        | 20.2       | 39        | 1.1         | 23        | 13           |
| 27/05/24 16:40 | 2           | 15                       | 17                       | 0                        | 20.2       | 39        | 0.5         | 3         | 36           |
| 27/05/24 16:45 | 2           | 15                       | 18                       | 0                        | 20.2       | 39        | 0.5         | 20        | 36           |
| 27/05/24 16:50 | 2           | 17                       | 19                       | 1                        | 19.9       | 40        | 1.3         | 29        | 13           |
| 27/05/24 16:55 | 2           | 18                       | 20                       | 1                        | 19.6       | 41        | 1.1         | 32        | 16           |
| 27/05/24 17:00 | 2           | 19                       | 22                       | 0                        | 19.3       | 43        | 1.0         | 13        | 27           |
| 27/05/24 17:05 | 3           | 21                       | 23                       | 0                        | 19.0       | 45        | 1.6         | 20        | 17           |
| 27/05/24 17:10 | 3           | 22                       | 24                       | 0                        | 18.8       | 46        | 1.6         | 25        | 17           |
| 27/05/24 17:15 | 3           | 23                       | 25                       | 1                        | 18.6       | 47        | 1.3         | 28        | 24           |
| 27/05/24 17:20 | 2           | 23                       | 25                       | 1                        | 18.4       | 48        | 1.4         | 29        | 20           |
| 27/05/24 17:25 | 2           | 23                       | 25                       | 1                        | 18.2       | 49        | 1.5         | 29        | 23           |
| 27/05/24 17:30 | 2           | 23                       | 25                       | 1                        | 18.0       | 50        | 1.2         | 30        | 19           |
| 27/05/24 17:35 | 2           | 24                       | 26                       | 1                        | 17.9       | 51        | 2.6         | 29        | 15           |
| 27/05/24 17:40 | 3           | 23                       | 26                       | 1                        | 17.9       | 52        | 2.0         | 24        | 20           |
| 27/05/24 17:45 | 2           | 22                       | 24                       | 1                        | 17.8       | 53        | 2.1         | 26        | 16           |
| 27/05/24 17:50 | 1           | 21                       | 23                       | 1                        | 17.7       | 53        | 2.4         | 21        | 14           |
| 27/05/24 17:55 | 1           | 22                       | 23                       | 1                        | 17.5       | 54        | 1.8         | 16        | 23           |
| 27/05/24 18:00 | 1           | 22                       | 24                       | 1                        | 17.4       | 54        | 1.6         | 18        | 21           |
| 27/05/24 18:05 | 1           | 23                       | 24                       | 1                        | 17.2       | 55        | 2.0         | 19        | 15           |
| 27/05/24 18:10 | 1           | 23                       | 25                       | 1                        | 17.3       | 55        | 1.8         | 10        | 25           |
| 27/05/24 18:15 | 1           | 23                       | 24                       | 1                        | 17.1       | 55        | 2.1         | 18        | 19           |
| 27/05/24 18:20 | 1           | 23                       | 24                       | 1                        | 17.0       | 56        | 1.7         | 14        | 25           |
| 27/05/24 18:25 | 2           | 23                       | 25                       | 1                        | 16.9       | 56        | 2.1         | 17        | 23           |
| 27/05/24 18:30 | 2           | 24                       | 25                       | 1                        | 16.6       | 56        | 1.9         | 19        | 24           |
| 27/05/24 18:35 | 2           | 24                       | 25                       | 1                        | 16.7       | 57        | 2.1         | 17        | 22           |
| 27/05/24 18:40 | 2           | 24                       | 25                       | 1                        | 16.5       | 57        | 2.2         | 7         | 21           |
| 27/05/24 18:45 | 2           | 24                       | 25                       | 1                        | 16.5       | 57        | 2.0         | 2         | 20           |
| 27/05/24 18:50 | 2           | 24                       | 25                       | 1                        | 16.3       | 58        | 2.0         | 20        | 21           |
| 27/05/24 18:55 | 2           | 24                       | 25                       | 1                        | 16.2       | 58        | 2.3         | 11        | 20           |
| 27/05/24 19:00 | 2           | 24                       | 25                       | 1                        | 16.1       | 59        | 1.7         | 11        | 29           |
| 27/05/24 19:05 | 2           | 24                       | 26                       | 1                        | 15.9       | 59        | 1.8         | 13        | 21           |
| 27/05/24 19:10 | 2           | 25                       | 26                       | 1                        | 15.8       | 60        | 2.3         | 6         | 18           |
| 27/05/24 19:15 | 2           | 25                       | 27                       | 1                        | 15.8       | 60        | 1.9         | 5         | 23           |
| 27/05/24 19:20 | 2           | 25                       | 27                       | 1                        | 15.7       | 60        | 1.6         | 9         | 28           |
| 27/05/24 19:25 | 2           | 26                       | 28                       | 1                        | 15.5       | 61        | 1.7         | 18        | 18           |
| 27/05/24 19:30 | 2           | 26                       | 28                       | 1                        | 15.4       | 61        | 1.8         | 15        | 21           |
| 27/05/24 19:35 | 3           | 26                       | 29                       | 1                        | 15.3       | 61        | 1.6         | 20        | 20           |
| 27/05/24 19:40 | 3           | 26                       | 30                       | 1                        | 15.2       | 62        | 1.5         | 7         | 21           |
| 27/05/24 19:45 | 3           | 26                       | 30                       | 1                        | 15.2       | 62        | 1.6         | 14        | 18           |
| 27/05/24 19:50 | 3           | 26                       | 30                       | 1                        | 15.1       | 63        | 1.7         | 15        | 27           |
| 27/05/24 19:55 | 3           | 26                       | 29                       | 1                        | 14.9       | 63        | 1.6         | 10        | 20           |
| 27/05/24 20:00 | 3           | 25                       | 28                       | 1                        | 15.0       | 63        | 1.7         | 11        | 22           |
| 27/05/24 20:05 | 3           | 25                       | 27                       | 1                        | 14.9       | 63        | 2.0         | 2         | 21           |
| 27/05/24 20:10 | 2           | 24                       | 27                       | 1                        | 15.0       | 62        | 2.1         | 5         | 19           |
| 27/05/24 20:15 | 2           | 23                       | 26                       | 1                        | 14.9       | 62        | 2.3         | 1         | 20           |
| 27/05/24 20:20 | 2           | 23                       | 25                       | 1                        | 14.8       | 62        | 2.0         | 358       | 20           |
| 27/05/24 20:25 | 2           | 23                       | 25                       | 1                        | 14.8       | 62        | 2.0         | 9         | 20           |
| 27/05/24 20:30 | 2           | 22                       | 24                       | 0                        | 14.8       | 62        | 1.6         | 5         | 18           |
| 27/05/24 20:35 | 2           | 22                       | 24                       | 0                        | 14.7       | 62        | 1.9         | 6         | 13           |
| 27/05/24 20:40 | 1           | 22                       | 23                       | 0                        | 14.7       | 62        | 1.8         | 7         | 16           |
| 27/05/24 20:45 | 1           | 22                       | 23                       | 0                        | 14.6       | 62        | 1.8         | 6         | 16           |
| 27/05/24 20:50 | 1           | 22                       | 23                       | 0                        | 14.5       | 62        | 1.6         | 10        | 22           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 27/05/24 20:55 | 1           | 21                       | 23                       | 0                        | 14.4       | 62        | 2.0         | 5         | 20           |
| 27/05/24 21:00 | 1           | 21                       | 23                       | 0                        | 14.4       | 62        | 2.1         | 359       | 16           |
| 27/05/24 21:05 | 1           | 21                       | 22                       | 0                        | 14.3       | 62        | 2.1         | 3         | 17           |
| 27/05/24 21:10 | 1           | 21                       | 22                       | 0                        | 14.2       | 62        | 2.0         | 8         | 17           |
| 27/05/24 21:15 | 1           | 21                       | 22                       | 0                        | 14.2       | 62        | 2.0         | 1         | 18           |
| 27/05/24 21:20 | 1           | 20                       | 22                       | 0                        | 14.2       | 62        | 2.3         | 359       | 14           |
| 27/05/24 21:25 | 1           | 20                       | 22                       | 0                        | 14.1       | 62        | 2.3         | 4         | 19           |
| 27/05/24 21:30 | 1           | 21                       | 22                       | 0                        | 14.1       | 62        | 2.4         | 5         | 17           |
| 27/05/24 21:35 | 1           | 21                       | 22                       | 0                        | 14.1       | 62        | 2.0         | 3         | 15           |
| 27/05/24 21:40 | 1           | 20                       | 22                       | 0                        | 14.0       | 62        | 2.1         | 6         | 19           |
| 27/05/24 21:45 | 1           | 20                       | 22                       | 0                        | 14.0       | 62        | 2.4         | 5         | 18           |
| 27/05/24 21:50 | 1           | 20                       | 21                       | 0                        | 14.0       | 62        | 2.6         | 7         | 17           |
| 27/05/24 21:55 | 1           | 20                       | 21                       | 0                        | 14.0       | 62        | 2.5         | 3         | 14           |
| 27/05/24 22:00 | 1           | 19                       | 20                       | 0                        | 14.0       | 61        | 2.6         | 357       | 16           |
| 27/05/24 22:05 | 1           | 19                       | 20                       | 0                        | 14.0       | 61        | 2.5         | 0         | 17           |
| 27/05/24 22:10 | 1           | 19                       | 20                       | 0                        | 13.9       | 61        | 2.5         | 2         | 13           |
| 27/05/24 22:15 | 1           | 19                       | 20                       | 0                        | 13.9       | 61        | 2.3         | 356       | 16           |
| 27/05/24 22:20 | 1           | 20                       | 20                       | 0                        | 13.9       | 61        | 2.4         | 2         | 18           |
| 27/05/24 22:25 | 1           | 19                       | 20                       | 0                        | 13.8       | 61        | 2.8         | 6         | 13           |
| 27/05/24 22:30 | 1           | 19                       | 20                       | 0                        | 13.8       | 61        | 2.7         | 3         | 14           |
| 27/05/24 22:35 | 1           | 19                       | 20                       | 0                        | 13.7       | 61        | 2.8         | 5         | 15           |
| 27/05/24 22:40 | 1           | 19                       | 20                       | 0                        | 13.8       | 61        | 2.7         | 360       | 17           |
| 27/05/24 22:45 | 1           | 18                       | 19                       | 0                        | 13.8       | 61        | 2.4         | 354       | 25           |
| 27/05/24 22:50 | 1           | 18                       | 19                       | 0                        | 13.7       | 61        | 2.5         | 3         | 19           |
| 27/05/24 22:55 | 1           | 18                       | 19                       | 0                        | 13.7       | 61        | 2.0         | 359       | 23           |
| 27/05/24 23:00 | 1           | 18                       | 19                       | 0                        | 13.6       | 61        | 2.1         | 358       | 20           |
| 27/05/24 23:05 | 1           | 18                       | 19                       | 0                        | 13.6       | 61        | 2.2         | 6         | 18           |
| 27/05/24 23:10 | 1           | 17                       | 18                       | 0                        | 13.6       | 61        | 2.0         | 359       | 22           |
| 27/05/24 23:15 | 1           | 17                       | 18                       | 0                        | 13.5       | 62        | 2.1         | 1         | 17           |
| 27/05/24 23:20 | 1           | 17                       | 18                       | 0                        | 13.5       | 61        | 2.0         | 2         | 22           |
| 27/05/24 23:25 | 1           | 16                       | 17                       | 0                        | 13.4       | 61        | 2.3         | 8         | 24           |
| 27/05/24 23:30 | 1           | 16                       | 16                       | 0                        | 13.4       | 61        | 2.3         | 3         | 14           |
| 27/05/24 23:35 | 0           | 15                       | 16                       | 0                        | 13.4       | 60        | 2.3         | 355       | 19           |
| 27/05/24 23:40 | 0           | 15                       | 15                       | 0                        | 13.4       | 61        | 2.3         | 355       | 23           |
| 27/05/24 23:45 | 0           | 15                       | 15                       | 0                        | 13.4       | 61        | 1.9         | 358       | 24           |
| 27/05/24 23:50 | 0           | 15                       | 15                       |                          | 13.4       | 61        | 1.7         | 355       | 27           |
| 27/05/24 23:55 | 0           | 15                       | 15                       |                          | 13.2       | 61        | 2.5         | 0         | 17           |
| 28/05/24 00:00 | 0           | 15                       | 16                       | 0                        | 13.2       | 62        | 2.5         | 356       | 23           |
| 28/05/24 00:05 | 0           | 15                       | 16                       | 0                        | 13.2       | 62        | 2.6         | 4         | 15           |
| 28/05/24 00:10 | 0           | 16                       | 16                       | 0                        | 13.1       | 62        | 2.4         | 3         | 15           |
| 28/05/24 00:15 | 0           | 15                       | 16                       | 0                        | 13.1       | 62        | 2.1         | 358       | 28           |
| 28/05/24 00:20 | 0           | 15                       | 16                       | 0                        | 13.1       | 62        | 2.4         | 358       | 17           |
| 28/05/24 00:25 | 0           | 15                       | 16                       | 0                        | 13.0       | 62        | 2.5         | 0         | 16           |
| 28/05/24 00:30 | 0           | 15                       | 15                       | 0                        | 13.0       | 62        | 2.4         | 4         | 20           |
| 28/05/24 00:35 | 0           | 15                       | 15                       | 0                        | 12.9       | 63        | 2.0         | 4         | 19           |
| 28/05/24 00:40 | 0           | 14                       | 15                       | 0                        | 13.0       | 62        | 2.6         | 359       | 16           |
| 28/05/24 00:45 | 0           | 14                       | 14                       | 0                        | 13.0       | 62        | 2.4         | 357       | 22           |
| 28/05/24 00:50 | 0           | 14                       | 14                       | 0                        | 13.0       | 62        | 2.7         | 0         | 15           |
| 28/05/24 00:55 | 0           | 14                       | 14                       | 0                        | 13.0       | 62        | 2.3         | 357       | 19           |
| 28/05/24 01:00 | 0           | 13                       | 14                       | 0                        | 13.0       | 62        | 2.2         | 360       | 19           |
| 28/05/24 01:05 |             |                          |                          |                          | 13.0       | 62        | 2.8         | 358       | 15           |
| 28/05/24 01:10 |             |                          |                          |                          | 12.9       | 62        | 2.6         | 2         | 23           |
| 28/05/24 01:15 |             |                          |                          |                          | 12.9       | 62        | 2.8         | 2         | 14           |
| 28/05/24 01:20 |             |                          |                          |                          | 12.8       | 62        | 2.9         | 2         | 15           |
| 28/05/24 01:25 |             |                          |                          |                          | 12.8       | 62        | 2.7         | 2         | 19           |
| 28/05/24 01:30 |             |                          |                          |                          | 12.9       | 62        | 2.4         | 2         | 19           |
| 28/05/24 01:35 |             |                          |                          |                          | 12.8       | 61        | 2.6         | 5         | 17           |
| 28/05/24 01:40 |             |                          |                          |                          | 12.8       | 61        | 2.8         | 6         | 16           |
| 28/05/24 01:45 |             |                          |                          |                          | 12.8       | 61        | 2.6         | 1         | 18           |
| 28/05/24 01:50 |             |                          |                          |                          | 12.9       | 61        | 2.6         | 3         | 20           |
| 28/05/24 01:55 |             |                          |                          |                          | 12.9       | 61        | 2.6         | 2         | 20           |
| 28/05/24 02:00 |             |                          |                          |                          | 12.9       | 61        | 2.9         | 2         | 15           |
| 28/05/24 02:05 | 0           | 11                       | 11                       | 0                        | 12.9       | 61        | 2.3         | 3         | 19           |
| 28/05/24 02:10 | 0           | 10                       | 10                       | 0                        | 12.9       | 60        | 2.5         | 2         | 19           |
| 28/05/24 02:15 | 0           | 10                       | 10                       | 0                        | 12.9       | 60        | 2.7         | 0         | 21           |
| 28/05/24 02:20 | 0           | 9                        | 9                        | 0                        | 12.9       | 60        | 2.4         | 3         | 18           |
| 28/05/24 02:25 | 0           | 9                        | 9                        | 0                        | 12.9       | 60        | 2.7         | 3         | 16           |
| 28/05/24 02:30 | 0           | 9                        | 9                        | 0                        | 12.9       | 60        | 2.6         | 1         | 21           |
| 28/05/24 02:35 | 0           | 8                        | 8                        | 0                        | 13.0       | 60        | 2.8         | 5         | 17           |
| 28/05/24 02:40 | 0           | 8                        | 8                        | 0                        | 12.9       | 60        | 2.5         | 5         | 21           |
| 28/05/24 02:45 | 0           | 8                        | 8                        | 0                        | 12.9       | 60        | 2.4         | 9         | 17           |
| 28/05/24 02:50 | 0           | 8                        | 8                        | 0                        | 12.9       | 60        | 1.8         | 10        | 23           |
| 28/05/24 02:55 | 0           | 8                        | 8                        | 0                        | 12.8       | 60        | 2.1         | 10        | 21           |
| 28/05/24 03:00 | 0           | 8                        | 8                        | 0                        | 12.8       | 60        | 1.9         | 14        | 23           |
| 28/05/24 03:05 | 0           | 8                        | 8                        | 0                        | 12.8       | 60        | 2.4         | 9         | 17           |
| 28/05/24 03:10 | 0           | 8                        | 8                        | 0                        | 12.8       | 60        | 2.2         | 13        | 20           |
| 28/05/24 03:15 | 0           | 8                        | 8                        | 0                        | 12.8       | 60        | 2.0         | 8         | 20           |
| 28/05/24 03:20 | 0           | 8                        | 8                        | 0                        | 12.8       | 59        | 2.5         | 0         | 19           |
| 28/05/24 03:25 | 0           | 8                        | 8                        | 0                        | 12.9       | 60        | 2.3         | 6         | 19           |
| 28/05/24 03:30 | 0           | 8                        | 8                        | 0                        | 12.8       | 59        | 2.8         | 2         | 20           |
| 28/05/24 03:35 | 0           | 8                        | 8                        | 0                        | 12.9       | 60        | 2.8         | 2         | 14           |
| 28/05/24 03:40 | 0           | 8                        | 8                        | 0                        | 12.8       | 60        | 2.3         | 6         | 20           |
| 28/05/24 03:45 | 0           | 8                        | 8                        | 0                        | 12.6       | 61        | 1.3         | 16        | 27           |
| 28/05/24 03:50 | 0           | 8                        | 9                        | 0                        | 12.5       | 62        | 1.8         | 5         | 19           |
| 28/05/24 03:55 | 0           | 9                        | 9                        | 0                        | 12.4       | 62        | 2.0         | 18        | 22           |
| 28/05/24 04:00 | 0           | 9                        | 9                        | 0                        | 12.3       | 62        | 1.4         | 16        | 30           |
| 28/05/24 04:05 | 0           | 9                        | 10                       | 0                        | 12.2       | 63        | 1.4         | 17        | 26           |
| 28/05/24 04:10 | 0           | 10                       | 10                       | 0                        | 12.2       | 63        | 1.6         | 13        | 19           |
| 28/05/24 04:15 | 0           | 10                       | 10                       | 0                        | 12.1       | 63        | 1.5         | 22        | 24           |
| 28/05/24 04:20 | 0           | 11                       | 11                       | 0                        | 12.0       | 64        | 1.6         | 22        | 23           |
| 28/05/24 04:25 | 0           | 11                       | 11                       | 0                        | 12.1       | 63        | 2.0         | 29        | 15           |
| 28/05/24 04:30 | 1           | 12                       | 12                       | 0                        | 12.2       | 63        | 1.9         | 26        | 14           |
| 28/05/24 04:35 | 1           | 12                       | 13                       | 0                        | 12.2       | 63        | 1.7         | 19        | 20           |
| 28/05/24 04:40 | 1           | 13                       | 14                       | 0                        | 12.1       | 63        | 1.5         | 20        | 29           |
| 28/05/24 04:45 | 1           | 14                       | 14                       | 0                        | 12.1       | 63        | 1.7         | 20        | 23           |
| 28/05/24 04:50 | 1           | 14                       | 15                       | 0                        | 12.1       | 63        | 2.0         | 19        | 21           |
| 28/05/24 04:55 | 1           | 14                       | 15                       | 0                        | 12.1       | 63        | 1.8         | 17        | 23           |
| 28/05/24 05:00 | 1           | 15                       | 15                       | 0                        | 12.0       | 63        | 2.0         | 22        | 24           |
| 28/05/24 05:05 | 1           | 15                       | 15                       | 0                        | 12.1       | 62        | 2.1         | 27        | 16           |
| 28/05/24 05:10 | 1           | 15                       | 15                       | 0                        | 12.2       | 62        | 2.2         | 29        | 15           |
| 28/05/24 05:15 | 1           | 15                       | 16                       | 0                        | 12.1       | 61        | 2.3         | 29        | 18           |
| 28/05/24 05:20 | 1           | 15                       | 16                       | 0                        | 12.3       | 61        | 2.1         | 27        | 13           |
| 28/05/24 05:25 | 1           | 15                       | 16                       | 0                        | 12.3       | 61        | 2.3         | 25        | 16           |
| 28/05/24 05:30 | 1           | 15                       | 16                       | 0                        | 12.2       | 61        | 1.8         | 34        | 20           |
| 28/05/24 05:35 | 1           | 15                       | 16                       | 0                        | 12.1       | 62        | 1.9         | 31        | 15           |
| 28/05/24 05:40 | 1           | 15                       | 17                       | 0                        | 12.0       | 62        | 1.4         | 26        | 21           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 28/05/24 05:45 | 1           | 17                       | 18                       | 0                        | 12.0       | 62        | 1.7         | 21        | 24           |
| 28/05/24 05:50 | 1           | 17                       | 18                       | 0                        | 12.0       | 62        | 2.0         | 23        | 21           |
| 28/05/24 05:55 | 1           | 16                       | 18                       | 0                        | 12.1       | 61        | 2.4         | 20        | 17           |
| 28/05/24 06:00 | 1           | 17                       | 18                       | 0                        | 12.2       | 61        | 2.2         | 28        | 17           |
| 28/05/24 06:05 | 1           | 17                       | 18                       | 0                        | 12.3       | 61        | 2.1         | 25        | 21           |
| 28/05/24 06:10 | 1           | 18                       | 19                       | 0                        | 12.1       | 61        | 2.1         | 23        | 16           |
| 28/05/24 06:15 | 1           | 18                       | 20                       | 0                        | 12.2       | 62        | 2.1         | 20        | 16           |
| 28/05/24 06:20 | 2           | 19                       | 20                       | 0                        | 12.2       | 62        | 2.1         | 30        | 19           |
| 28/05/24 06:25 | 2           | 19                       | 21                       | 0                        | 12.2       | 62        | 1.8         | 23        | 20           |
| 28/05/24 06:30 | 2           | 20                       | 22                       | 0                        | 12.1       | 61        | 2.2         | 16        | 20           |
| 28/05/24 06:35 | 3           | 21                       | 24                       | 0                        | 12.1       | 62        | 2.1         | 19        | 16           |
| 28/05/24 06:40 | 3           | 22                       | 26                       | 0                        | 12.1       | 62        | 2.3         | 20        | 22           |
| 28/05/24 06:45 | 4           | 25                       | 28                       | 0                        | 12.1       | 62        | 2.3         | 23        | 15           |
| 28/05/24 06:50 | 5           | 26                       | 31                       | 0                        | 12.1       | 62        | 2.0         | 22        | 13           |
| 28/05/24 06:55 | 6           | 29                       | 35                       | 0                        | 12.1       | 62        | 1.9         | 24        | 20           |
| 28/05/24 07:00 | 8           | 30                       | 37                       | 0                        | 12.1       | 62        | 2.4         | 24        | 18           |
| 28/05/24 07:05 | 10          | 29                       | 38                       | 0                        | 12.0       | 62        | 2.2         | 24        | 18           |
| 28/05/24 07:10 | 10          | 28                       | 39                       | 0                        | 12.1       | 62        | 2.2         | 20        | 17           |
| 28/05/24 07:15 | 12          | 29                       | 40                       | 0                        | 12.1       | 62        | 2.9         | 28        | 11           |
| 28/05/24 07:20 | 13          | 29                       | 41                       | 0                        | 12.1       | 62        | 2.2         | 22        | 18           |
| 28/05/24 07:25 | 14          | 29                       | 43                       | 0                        | 12.0       | 62        | 2.7         | 25        | 14           |
| 28/05/24 07:30 | 17          | 28                       | 45                       | 0                        | 12.2       | 62        | 2.7         | 30        | 11           |
| 28/05/24 07:35 | 21          | 28                       | 49                       | 1                        | 12.2       | 62        | 2.6         | 26        | 10           |
| 28/05/24 07:40 | 24          | 27                       | 51                       | 1                        | 12.1       | 62        | 2.8         | 15        | 17           |
| 28/05/24 07:45 | 24          | 28                       | 52                       | 1                        | 12.2       | 62        | 2.6         | 22        | 16           |
| 28/05/24 07:50 | 23          | 28                       | 52                       | 0                        | 12.2       | 62        | 2.9         | 23        | 18           |
| 28/05/24 07:55 | 22          | 28                       | 50                       | 0                        | 12.2       | 62        | 2.4         | 12        | 24           |
| 28/05/24 08:00 | 20          | 28                       | 47                       | 0                        | 12.3       | 61        | 2.5         | 11        | 23           |
| 28/05/24 08:05 | 19          | 27                       | 46                       | 0                        | 12.5       | 61        | 2.8         | 21        | 14           |
| 28/05/24 08:10 | 19          | 27                       | 46                       | 0                        | 12.6       | 60        | 3.0         | 21        | 17           |
| 28/05/24 08:15 | 20          | 28                       | 48                       | 0                        | 12.7       | 60        | 2.8         | 19        | 19           |
| 28/05/24 08:20 | 21          | 28                       | 49                       | 1                        | 12.7       | 59        | 3.3         | 30        | 15           |
| 28/05/24 08:25 | 32          | 20                       | 52                       | 1                        | 12.8       | 60        | 3.1         | 28        | 12           |
| 28/05/24 08:30 | 35          | 24                       | 59                       | 1                        | 12.8       | 59        | 2.8         | 20        | 18           |
| 28/05/24 08:35 | 34          | 28                       | 63                       | 1                        | 12.8       | 59        | 3.1         | 12        | 15           |
| 28/05/24 08:40 | 35          | 28                       | 63                       | 1                        | 13.0       | 59        | 2.7         | 18        | 18           |
| 28/05/24 08:45 | 36          | 29                       | 65                       | 1                        | 13.0       | 59        | 2.8         | 23        | 17           |
| 28/05/24 08:50 | 38          | 29                       | 67                       | 1                        | 13.2       | 58        | 3.3         | 26        | 13           |
| 28/05/24 08:55 | 39          | 29                       | 68                       | 1                        | 13.2       | 58        | 3.0         | 25        | 16           |
| 28/05/24 09:00 | 42          | 27                       | 69                       | 1                        | 13.5       | 58        | 2.7         | 26        | 14           |
| 28/05/24 09:05 | 42          | 27                       | 69                       | 1                        | 13.7       | 57        | 2.8         | 25        | 17           |
| 28/05/24 09:10 | 35          | 31                       | 66                       | 1                        | 13.9       | 56        | 2.5         | 26        | 16           |
| 28/05/24 09:15 | 33          | 29                       | 62                       | 1                        | 14.2       | 56        | 2.2         | 22        | 16           |
| 28/05/24 09:20 | 34          | 28                       | 62                       | 1                        | 14.4       | 55        | 2.3         | 15        | 18           |
| 28/05/24 09:25 | 34          | 28                       | 62                       | 1                        | 14.6       | 55        | 2.6         | 22        | 16           |
| 28/05/24 09:30 | 34          | 27                       | 62                       | 1                        | 14.6       | 55        | 2.6         | 17        | 16           |
| 28/05/24 09:35 | 34          | 27                       | 61                       | 1                        | 14.8       | 55        | 2.9         | 16        | 16           |
| 28/05/24 09:40 | 34          | 26                       | 60                       | 1                        | 14.9       | 54        | 2.5         | 15        | 18           |
| 28/05/24 09:45 | 33          | 26                       | 60                       | 1                        | 15.2       | 54        | 2.2         | 21        | 21           |
| 28/05/24 09:50 | 33          | 26                       | 60                       | 1                        | 15.2       | 53        | 2.2         | 18        | 19           |
| 28/05/24 09:55 | 33          | 26                       | 59                       | 1                        | 15.5       | 53        | 2.5         | 20        | 13           |
| 28/05/24 10:00 | 33          | 26                       | 59                       | 1                        | 15.7       | 53        | 2.4         | 7         | 19           |
| 28/05/24 10:05 | 32          | 26                       | 58                       | 1                        | 15.8       | 52        | 2.6         | 2         | 20           |
| 28/05/24 10:10 | 31          | 25                       | 57                       | 1                        | 16.0       | 52        | 2.7         | 5         | 18           |
| 28/05/24 10:15 | 30          | 25                       | 55                       | 1                        | 16.2       | 52        | 2.0         | 15        | 21           |
| 28/05/24 10:20 | 30          | 25                       | 55                       | 1                        | 16.5       | 51        | 2.1         | 20        | 24           |
| 28/05/24 10:25 | 29          | 25                       | 54                       | 1                        | 16.7       | 50        | 2.7         | 24        | 17           |
| 28/05/24 10:30 | 27          | 24                       | 51                       | 1                        | 16.8       | 50        | 1.4         | 7         | 32           |
| 28/05/24 10:35 | 24          | 24                       | 48                       | 1                        | 17.1       | 49        | 2.6         | 11        | 21           |
| 28/05/24 10:40 | 23          | 23                       | 47                       | 1                        | 17.4       | 48        | 1.8         | 21        | 25           |
| 28/05/24 10:45 | 23          | 22                       | 45                       | 1                        | 17.6       | 47        | 2.7         | 12        | 24           |
| 28/05/24 10:50 | 19          | 18                       | 37                       | 1                        | 17.6       | 47        | 3.1         | 14        | 20           |
| 28/05/24 10:55 | 16          | 19                       | 35                       | 1                        | 17.7       | 47        | 3.0         | 19        | 17           |
| 28/05/24 11:00 | 15          | 19                       | 34                       | 1                        | 17.9       | 47        | 1.7         | 19        | 25           |
| 28/05/24 11:05 | 17          | 20                       | 37                       | 1                        | 18.1       | 46        | 1.7         | 11        | 24           |
| 28/05/24 11:10 | 15          | 19                       | 34                       | 1                        | 18.4       | 45        | 1.7         | 19        | 28           |
| 28/05/24 11:15 | 16          | 19                       | 35                       | 1                        | 18.3       | 46        | 2.7         | 23        | 23           |
| 28/05/24 11:20 | 16          | 19                       | 35                       | 1                        | 18.3       | 46        | 2.7         | 33        | 11           |
| 28/05/24 11:25 | 15          | 17                       | 32                       | 1                        | 18.3       | 46        | 3.0         | 26        | 15           |
| 28/05/24 11:30 | 15          | 17                       | 32                       | 1                        | 18.4       | 46        | 2.6         | 18        | 18           |
| 28/05/24 11:35 | 14          | 18                       | 33                       | 1                        | 18.6       | 45        | 3.0         | 24        | 15           |
| 28/05/24 11:40 | 14          | 19                       | 33                       | 1                        | 18.7       | 45        | 2.9         | 28        | 16           |
| 28/05/24 11:45 | 14          | 19                       | 33                       | 1                        | 18.8       | 45        | 2.8         | 25        | 18           |
| 28/05/24 11:50 | 14          | 18                       | 33                       | 1                        | 19.0       | 45        | 1.8         | 22        | 19           |
| 28/05/24 11:55 | 15          | 19                       | 33                       | 1                        | 19.3       | 44        | 1.7         | 9         | 27           |
| 28/05/24 12:00 | 15          | 19                       | 33                       | 1                        | 19.4       | 44        | 1.7         | 28        | 20           |
| 28/05/24 12:05 | 15          | 17                       | 32                       | 1                        | 19.6       | 44        | 2.7         | 33        | 16           |
| 28/05/24 12:10 | 14          | 16                       | 29                       | 1                        | 19.5       | 43        | 3.0         | 33        | 12           |
| 28/05/24 12:15 | 13          | 12                       | 25                       | 1                        | 19.5       | 43        | 2.7         | 37        | 18           |
| 28/05/24 12:20 | 12          | 12                       | 24                       | 1                        | 19.7       | 43        | 2.9         | 18        | 21           |
| 28/05/24 12:25 | 10          | 12                       | 22                       | 1                        | 19.7       | 43        | 2.7         | 11        | 18           |
| 28/05/24 12:30 | 10          | 14                       | 24                       | 0                        | 19.9       | 43        | 2.1         | 15        | 22           |
| 28/05/24 12:35 | 11          | 17                       | 27                       | 1                        | 20.2       | 42        | 2.7         | 31        | 18           |
| 28/05/24 12:40 | 11          | 15                       | 26                       | 1                        | 20.2       | 42        | 2.2         | 17        | 21           |
| 28/05/24 12:45 | 11          | 15                       | 26                       | 1                        | 20.2       | 43        | 1.8         | 37        | 29           |
| 28/05/24 12:50 | 10          | 15                       | 25                       | 1                        | 20.3       | 42        | 2.2         | 11        | 23           |
| 28/05/24 12:55 | 9           | 14                       | 23                       | 1                        | 20.3       | 43        | 2.0         | 19        | 19           |
| 28/05/24 13:00 | 9           | 15                       | 25                       | 1                        | 20.5       | 42        | 2.7         | 19        | 19           |
| 28/05/24 13:05 | 9           | 15                       | 24                       | 1                        | 20.5       | 42        | 2.5         | 21        | 19           |
| 28/05/24 13:10 | 8           | 14                       | 22                       | 1                        | 20.5       | 42        | 3.1         | 33        | 16           |
| 28/05/24 13:15 | 8           | 13                       | 20                       | 1                        | 20.5       | 42        | 2.1         | 22        | 24           |
| 28/05/24 13:20 | 7           | 13                       | 20                       | 1                        | 20.6       | 42        | 2.2         | 34        | 19           |
| 28/05/24 13:25 | 7           | 13                       | 20                       | 1                        | 20.8       | 41        | 2.1         | 37        | 24           |
| 28/05/24 13:30 | 7           | 13                       | 19                       | 1                        | 20.9       | 41        | 2.1         | 28        | 21           |
| 28/05/24 13:35 | 6           | 12                       | 19                       | 1                        | 20.8       | 41        | 2.5         | 29        | 18           |
| 28/05/24 13:40 | 6           | 12                       | 18                       | 1                        | 20.8       | 42        | 2.0         | 38        | 21           |
| 28/05/24 13:45 | 6           | 12                       | 18                       | 1                        | 21.0       | 41        | 2.4         | 22        | 23           |
| 28/05/24 13:50 | 6           | 12                       | 18                       | 1                        | 21.0       | 39        | 2.9         | 18        | 21           |
| 28/05/24 13:55 | 5           | 12                       | 17                       | 1                        | 21.0       | 41        | 2.3         | 45        | 17           |
| 28/05/24 14:00 | 5           | 11                       | 16                       | 1                        | 21.1       | 41        | 2.5         | 41        | 16           |
| 28/05/24 14:05 | 5           | 11                       | 16                       | 0                        | 21.1       | 41        | 2.0         | 6         | 25           |
| 28/05/24 14:10 | 5           | 11                       | 16                       | 1                        | 21.1       | 41        | 2.7         | 44        | 15           |
| 28/05/24 14:15 | 5           | 11                       | 16                       | 1                        | 21.0       | 42        | 2.8         | 37        | 15           |
| 28/05/24 14:20 | 5           | 12                       | 17                       | 1                        | 21.1       | 42        | 3.2         | 33        | 14           |
| 28/05/24 14:25 | 5           | 12                       | 16                       | 1                        | 21.0       | 42        | 2.9         | 43        | 13           |
| 28/05/24 14:30 | 5           | 12                       | 16                       | 1                        | 21.1       | 42        | 2.5         | 33        | 18           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 28/05/24 14:35 | 5           | 12                       | 16                       | 1                        | 21.2       | 42        | 2.6         | 39        | 15           |
| 28/05/24 14:40 | 5           | 12                       | 17                       | 1                        | 21.2       | 42        | 1.9         | 35        | 23           |
| 28/05/24 14:45 | 5           | 12                       | 17                       | 1                        | 21.3       | 42        | 2.8         | 40        | 13           |
| 28/05/24 14:50 | 4           | 12                       | 16                       | 1                        | 21.3       | 42        | 2.9         | 38        | 13           |
| 28/05/24 14:55 | 5           | 12                       | 17                       | 1                        | 21.1       | 42        | 2.7         | 34        | 16           |
| 28/05/24 15:00 | 5           | 12                       | 17                       | 1                        | 21.2       | 42        | 2.6         | 39        | 16           |
| 28/05/24 15:05 | 5           | 12                       | 17                       | 0                        | 21.1       | 42        | 2.9         | 37        | 14           |
| 28/05/24 15:10 | 5           | 12                       | 17                       | 0                        | 21.1       | 43        | 2.6         | 30        | 15           |
| 28/05/24 15:15 | 5           | 13                       | 18                       | 0                        | 21.0       | 43        | 2.7         | 29        | 19           |
| 28/05/24 15:20 | 5           | 13                       | 18                       | 1                        | 21.0       | 43        | 3.1         | 38        | 14           |
| 28/05/24 15:25 | 5           | 14                       | 18                       | 1                        | 20.9       | 43        | 2.7         | 35        | 16           |
| 28/05/24 15:30 | 5           | 14                       | 18                       | 1                        | 21.0       | 43        | 3.0         | 37        | 13           |
| 28/05/24 15:35 | 4           | 14                       | 18                       | 1                        | 20.8       | 43        | 3.6         | 39        | 12           |
| 28/05/24 15:40 | 5           | 14                       | 18                       | 1                        | 20.8       | 44        | 2.8         | 43        | 17           |
| 28/05/24 15:45 | 4           | 14                       | 18                       | 1                        | 20.8       | 44        | 3.2         | 37        | 16           |
| 28/05/24 15:50 | 4           | 14                       | 18                       | 1                        | 20.7       | 44        | 2.7         | 33        | 16           |
| 28/05/24 15:55 | 4           | 14                       | 18                       | 1                        | 20.6       | 45        | 2.4         | 32        | 15           |
| 28/05/24 16:00 | 4           | 15                       | 19                       | 1                        | 20.5       | 44        | 3.7         | 29        | 11           |
| 28/05/24 16:05 | 4           | 15                       | 18                       | 1                        | 20.3       | 45        | 3.4         | 28        | 14           |
| 28/05/24 16:10 | 3           | 15                       | 18                       | 1                        | 20.2       | 46        | 3.0         | 33        | 17           |
| 28/05/24 16:15 | 3           | 15                       | 18                       | 1                        | 20.1       | 46        | 3.2         | 34        | 12           |
| 28/05/24 16:20 | 3           | 15                       | 19                       | 1                        | 20.0       | 46        | 3.4         | 30        | 15           |
| 28/05/24 16:25 | 3           | 15                       | 19                       | 1                        | 19.9       | 46        | 2.7         | 32        | 15           |
| 28/05/24 16:30 | 3           | 15                       | 18                       | 1                        | 19.8       | 47        | 3.1         | 32        | 15           |
| 28/05/24 16:35 | 3           | 16                       | 19                       | 1                        | 19.6       | 47        | 2.5         | 31        | 17           |
| 28/05/24 16:40 | 3           | 16                       | 19                       | 1                        | 19.5       | 47        | 3.5         | 28        | 14           |
| 28/05/24 16:45 | 3           | 17                       | 19                       | 1                        | 19.4       | 47        | 3.4         | 27        | 13           |
| 28/05/24 16:50 | 3           | 17                       | 19                       | 1                        | 19.3       | 48        | 3.1         | 27        | 14           |
| 28/05/24 16:55 | 2           | 17                       | 19                       | 1                        | 18.9       | 49        | 3.2         | 24        | 18           |
| 28/05/24 17:00 | 2           | 16                       | 18                       | 1                        | 18.7       | 49        | 2.8         | 29        | 15           |
| 28/05/24 17:05 | 2           | 16                       | 18                       | 1                        | 18.6       | 49        | 2.9         | 29        | 19           |
| 28/05/24 17:10 | 1           | 16                       | 17                       | 1                        | 18.4       | 50        | 2.6         | 16        | 23           |
| 28/05/24 17:15 | 1           | 15                       | 16                       | 1                        | 18.3       | 50        | 2.7         | 26        | 18           |
| 28/05/24 17:20 | 1           | 15                       | 16                       | 1                        | 18.3       | 50        | 3.1         | 25        | 19           |
| 28/05/24 17:25 | 1           | 15                       | 16                       | 0                        | 18.1       | 51        | 3.1         | 19        | 20           |
| 28/05/24 17:30 | 1           | 15                       | 15                       | 1                        | 18.0       | 51        | 2.5         | 16        | 28           |
| 28/05/24 17:35 | 1           | 15                       | 15                       | 0                        | 17.9       | 51        | 2.9         | 21        | 17           |
| 28/05/24 17:40 | 1           | 15                       | 16                       | 0                        | 17.7       | 52        | 2.7         | 18        | 23           |
| 28/05/24 17:45 | 1           | 15                       | 16                       | 0                        | 17.6       | 52        | 2.4         | 18        | 22           |
| 28/05/24 17:50 | 0           | 15                       | 16                       | 0                        | 17.4       | 53        | 2.9         | 12        | 19           |
| 28/05/24 17:55 | 1           | 16                       | 16                       | 0                        | 17.3       | 53        | 2.7         | 22        | 15           |
| 28/05/24 18:00 | 1           | 16                       | 17                       | 0                        | 17.2       | 53        | 2.5         | 18        | 22           |
| 28/05/24 18:05 | 1           | 17                       | 18                       | 0                        | 17.1       | 54        | 2.1         | 19        | 23           |
| 28/05/24 18:10 | 1           | 18                       | 19                       | 1                        | 17.0       | 54        | 1.9         | 23        | 22           |
| 28/05/24 18:15 | 1           | 19                       | 20                       | 1                        | 16.9       | 55        | 2.2         | 21        | 28           |
| 28/05/24 18:20 | 1           | 19                       | 20                       | 1                        | 16.8       | 55        | 3.1         | 23        | 21           |
| 28/05/24 18:25 | 1           | 20                       | 21                       | 1                        | 16.7       | 55        | 2.0         | 22        | 29           |
| 28/05/24 18:30 | 1           | 20                       | 22                       | 1                        | 16.6       | 56        | 2.2         | 15        | 28           |
| 28/05/24 18:35 | 1           | 21                       | 22                       | 1                        | 16.5       | 56        | 2.6         | 13        | 22           |
| 28/05/24 18:40 | 1           | 21                       | 22                       | 1                        | 16.4       | 56        | 2.3         | 17        | 19           |
| 28/05/24 18:45 | 1           | 21                       | 22                       | 1                        | 16.3       | 56        | 3.2         | 16        | 18           |
| 28/05/24 18:50 | 1           | 21                       | 22                       | 1                        | 16.3       | 57        | 2.7         | 23        | 18           |
| 28/05/24 18:55 | 1           | 21                       | 22                       | 1                        | 16.1       | 57        | 3.1         | 14        | 18           |
| 28/05/24 19:00 | 1           | 21                       | 22                       | 1                        | 16.1       | 57        | 2.9         | 12        | 18           |
| 28/05/24 19:05 | 1           | 21                       | 23                       | 0                        | 16.0       | 57        | 3.1         | 10        | 19           |
| 28/05/24 19:10 | 1           | 21                       | 23                       | 0                        | 15.9       | 58        | 3.2         | 17        | 18           |
| 28/05/24 19:15 | 1           | 21                       | 23                       | 0                        | 15.9       | 58        | 2.5         | 13        | 20           |
| 28/05/24 19:20 | 1           | 21                       | 23                       | 1                        | 15.7       | 59        | 2.9         | 9         | 19           |
| 28/05/24 19:25 | 1           | 21                       | 22                       | 1                        | 15.6       | 59        | 2.3         | 10        | 27           |
| 28/05/24 19:30 | 1           | 20                       | 22                       | 1                        | 15.6       | 59        | 2.5         | 12        | 23           |
| 28/05/24 19:35 | 1           | 20                       | 21                       | 1                        | 15.5       | 60        | 3.1         | 13        | 18           |
| 28/05/24 19:40 | 1           | 20                       | 21                       | 1                        | 15.3       | 60        | 2.2         | 16        | 24           |
| 28/05/24 19:45 | 1           | 19                       | 20                       | 1                        | 15.2       | 60        | 2.1         | 17        | 21           |
| 28/05/24 19:50 | 1           | 19                       | 20                       | 1                        | 15.2       | 61        | 2.7         | 13        | 24           |
| 28/05/24 19:55 | 1           | 19                       | 20                       | 1                        | 15.1       | 61        | 2.6         | 16        | 21           |
| 28/05/24 20:00 | 1           | 18                       | 19                       | 1                        | 15.0       | 61        | 3.0         | 11        | 20           |
| 28/05/24 20:05 | 1           | 18                       | 19                       | 1                        | 14.9       | 61        | 2.2         | 7         | 17           |
| 28/05/24 20:10 | 1           | 18                       | 19                       | 1                        | 14.8       | 62        | 1.9         | 6         | 22           |
| 28/05/24 20:15 | 1           | 18                       | 19                       | 1                        | 14.7       | 62        | 1.7         | 8         | 23           |
| 28/05/24 20:20 | 1           | 19                       | 19                       | 1                        | 14.6       | 62        | 1.5         | 13        | 31           |
| 28/05/24 20:25 | 1           | 19                       | 20                       | 1                        | 14.6       | 63        | 2.3         | 6         | 16           |
| 28/05/24 20:30 | 1           | 20                       | 21                       | 1                        | 14.6       | 62        | 2.0         | 7         | 19           |
| 28/05/24 20:35 | 1           | 20                       | 21                       | 1                        | 14.6       | 63        | 2.3         | 7         | 17           |
| 28/05/24 20:40 | 1           | 20                       | 21                       | 1                        | 14.5       | 63        | 2.2         | 5         | 16           |
| 28/05/24 20:45 | 1           | 20                       | 21                       | 1                        | 14.5       | 63        | 2.1         | 8         | 22           |
| 28/05/24 20:50 | 1           | 20                       | 21                       | 1                        | 14.4       | 63        | 2.2         | 7         | 16           |
| 28/05/24 20:55 | 1           | 21                       | 21                       | 1                        | 14.4       | 63        | 1.6         | 2         | 21           |
| 28/05/24 21:00 | 1           | 20                       | 21                       | 1                        | 14.2       | 63        | 2.0         | 2         | 18           |
| 28/05/24 21:05 | 1           | 20                       | 21                       | 1                        | 14.2       | 64        | 2.3         | 1         | 14           |
| 28/05/24 21:10 | 1           | 20                       | 21                       | 1                        | 14.1       | 64        | 1.8         | 355       | 20           |
| 28/05/24 21:15 | 1           | 19                       | 20                       | 1                        | 14.1       | 64        | 2.1         | 0         | 22           |
| 28/05/24 21:20 | 1           | 19                       | 20                       | 1                        | 13.9       | 64        | 1.7         | 355       | 20           |
| 28/05/24 21:25 | 1           | 19                       | 20                       | 1                        | 13.8       | 65        | 1.7         | 9         | 26           |
| 28/05/24 21:30 | 1           | 19                       | 20                       | 1                        | 13.7       | 65        | 1.7         | 6         | 18           |
| 28/05/24 21:35 | 1           | 19                       | 20                       | 1                        | 13.7       | 66        | 0.9         | 17        | 37           |
| 28/05/24 21:40 | 1           | 20                       | 21                       | 1                        | 13.6       | 66        | 1.8         | 2         | 20           |
| 28/05/24 21:45 | 1           | 20                       | 21                       | 1                        | 13.6       | 66        | 1.9         | 13        | 22           |
| 28/05/24 21:50 | 1           | 19                       | 21                       | 1                        | 13.6       | 66        | 1.3         | 6         | 31           |
| 28/05/24 21:55 | 1           | 19                       | 20                       | 1                        | 13.5       | 66        | 1.7         | 8         | 22           |
| 28/05/24 22:00 | 1           | 19                       | 19                       | 1                        | 13.7       | 65        | 1.8         | 1         | 31           |
| 28/05/24 22:05 | 1           | 18                       | 18                       | 1                        | 13.8       | 64        | 2.4         | 5         | 22           |
| 28/05/24 22:10 | 1           | 17                       | 18                       | 1                        | 13.8       | 65        | 1.9         | 348       | 28           |
| 28/05/24 22:15 | 1           | 17                       | 18                       | 1                        | 13.7       | 65        | 2.5         | 3         | 22           |
| 28/05/24 22:20 | 1           | 17                       | 18                       | 1                        | 13.7       | 65        | 2.4         | 359       | 20           |
| 28/05/24 22:25 | 1           | 17                       | 18                       | 1                        | 13.6       | 65        | 1.6         | 327       | 27           |
| 28/05/24 22:30 | 1           | 17                       | 18                       | 1                        | 13.8       | 64        | 2.6         | 358       | 20           |
| 28/05/24 22:35 | 0           | 17                       | 17                       | 1                        | 13.7       | 64        | 2.8         | 360       | 21           |
| 28/05/24 22:40 | 0           | 16                       | 17                       | 1                        | 13.6       | 64        | 2.6         | 356       | 21           |
| 28/05/24 22:45 | 0           | 15                       | 16                       | 1                        | 13.5       | 64        | 2.3         | 357       | 23           |
| 28/05/24 22:50 | 0           | 15                       | 15                       | 1                        | 13.6       | 64        | 2.3         | 353       | 24           |
| 28/05/24 22:55 | 0           | 15                       | 15                       | 1                        | 13.6       | 65        | 1.6         | 324       | 32           |
| 28/05/24 23:00 | 0           | 15                       | 15                       | 1                        | 13.4       | 66        | 2.1         | 355       | 23           |
| 28/05/24 23:05 | 1           | 15                       | 16                       | 1                        | 13.2       | 66        | 2.4         | 1         | 19           |
| 28/05/24 23:10 | 1           | 15                       | 16                       | 1                        | 13.3       | 66        | 2.5         | 2         | 18           |
| 28/05/24 23:15 | 1           | 15                       | 15                       | 1                        | 13.2       | 65        | 1.9         | 358       | 18           |
| 28/05/24 23:20 | 1           | 14                       | 15                       | 1                        | 13.3       | 65        | 2.4         | 356       | 17           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 28/05/24 23:25 | 0           | 14                       | 14                       | 1                        | 13.3       | 65        | 2.5         | 2         | 20           |
| 28/05/24 23:30 | 0           | 13                       | 13                       | 1                        | 13.4       | 64        | 2.0         | 358       | 25           |
| 28/05/24 23:35 | 0           | 12                       | 13                       | 1                        | 13.5       | 64        | 1.9         | 6         | 28           |
| 28/05/24 23:40 | 0           | 12                       | 12                       | 1                        | 13.5       | 63        | 3.1         | 3         | 18           |
| 28/05/24 23:45 | 0           | 11                       | 11                       | 1                        | 13.6       | 63        | 2.8         | 4         | 21           |
| 28/05/24 23:50 | 0           | 10                       | 10                       |                          | 13.6       | 62        | 2.8         | 357       | 22           |
| 28/05/24 23:55 | 0           | 9                        | 9                        |                          | 13.6       | 63        | 2.6         | 0         | 24           |
| 29/05/24 00:00 | 0           | 9                        | 9                        | 1                        | 13.6       | 63        | 2.5         | 356       | 26           |
| 29/05/24 00:05 | 0           | 9                        | 9                        | 1                        | 13.5       | 63        | 3.2         | 2         | 21           |
| 29/05/24 00:10 | 0           | 9                        | 9                        | 1                        | 13.4       | 64        | 2.3         | 11        | 21           |
| 29/05/24 00:15 | 0           | 9                        | 9                        | 1                        | 13.2       | 64        | 1.7         | 7         | 24           |
| 29/05/24 00:20 | 0           | 9                        | 10                       | 1                        | 13.1       | 64        | 2.2         | 6         | 23           |
| 29/05/24 00:25 | 0           | 9                        | 10                       | 1                        | 13.1       | 64        | 2.3         | 16        | 23           |
| 29/05/24 00:30 | 0           | 10                       | 10                       | 1                        | 13.1       | 64        | 2.5         | 28        | 22           |
| 29/05/24 00:35 | 0           | 10                       | 10                       | 0                        | 13.1       | 64        | 1.8         | 26        | 22           |
| 29/05/24 00:40 | 0           | 10                       | 11                       | 0                        | 13.0       | 64        | 2.6         | 19        | 17           |
| 29/05/24 00:45 | 0           | 10                       | 11                       | 0                        | 13.1       | 64        | 2.1         | 13        | 23           |
| 29/05/24 00:50 | 0           | 11                       | 11                       | 0                        | 13.1       | 64        | 1.8         | 16        | 22           |
| 29/05/24 00:55 | 0           | 10                       | 11                       | 0                        | 13.1       | 64        | 2.1         | 23        | 24           |
| 29/05/24 01:00 | 0           | 10                       | 10                       | 0                        | 13.1       | 64        | 1.3         | 24        | 27           |
| 29/05/24 01:05 |             |                          |                          |                          | 13.0       | 65        | 1.6         | 21        | 21           |
| 29/05/24 01:10 |             |                          |                          |                          | 13.0       | 64        | 1.8         | 21        | 21           |
| 29/05/24 01:15 |             |                          |                          |                          | 13.0       | 65        | 1.6         | 21        | 25           |
| 29/05/24 01:20 |             |                          |                          |                          | 13.0       | 65        | 1.8         | 9         | 22           |
| 29/05/24 01:25 |             |                          |                          |                          | 13.0       | 64        | 1.9         | 9         | 18           |
| 29/05/24 01:30 |             |                          |                          |                          | 12.9       | 65        | 1.9         | 13        | 19           |
| 29/05/24 01:35 |             |                          |                          |                          | 13.0       | 65        | 2.2         | 14        | 17           |
| 29/05/24 01:40 |             |                          |                          |                          | 13.0       | 65        | 1.5         | 17        | 24           |
| 29/05/24 01:45 |             |                          |                          |                          | 13.0       | 64        | 1.6         | 14        | 29           |
| 29/05/24 01:50 |             |                          |                          |                          | 13.0       | 64        | 2.2         | 11        | 20           |
| 29/05/24 01:55 |             |                          |                          |                          | 13.0       | 64        | 2.8         | 359       | 21           |
| 29/05/24 02:00 |             |                          |                          |                          | 13.0       | 64        | 2.0         | 10        | 22           |
| 29/05/24 02:05 | 0           | 9                        | 9                        | 0                        | 12.7       | 65        | 2.1         | 11        | 22           |
| 29/05/24 02:10 | 0           | 8                        | 8                        | 0                        | 12.6       | 65        | 1.9         | 18        | 27           |
| 29/05/24 02:15 | 0           | 8                        | 8                        | 0                        | 12.7       | 65        | 2.1         | 19        | 22           |
| 29/05/24 02:20 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 1.7         | 19        | 29           |
| 29/05/24 02:25 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 2.7         | 20        | 20           |
| 29/05/24 02:30 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 3.2         | 18        | 20           |
| 29/05/24 02:35 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 2.8         | 12        | 19           |
| 29/05/24 02:40 | 0           | 7                        | 8                        | 0                        | 12.7       | 66        | 2.5         | 16        | 23           |
| 29/05/24 02:45 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 3.5         | 16        | 16           |
| 29/05/24 02:50 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 3.0         | 16        | 20           |
| 29/05/24 02:55 | 0           | 7                        | 7                        | 0                        | 12.6       | 66        | 3.4         | 11        | 19           |
| 29/05/24 03:00 | 0           | 7                        | 7                        | 0                        | 12.7       | 66        | 3.6         | 16        | 22           |
| 29/05/24 03:05 | 0           | 7                        | 6                        | 0                        | 12.6       | 66        | 4.0         | 11        | 19           |
| 29/05/24 03:10 | 0           | 6                        | 6                        | 0                        | 12.6       | 66        | 3.5         | 6         | 20           |
| 29/05/24 03:15 | 0           | 6                        | 6                        | 0                        | 12.5       | 67        | 2.7         | 7         | 21           |
| 29/05/24 03:20 | 0           | 6                        | 6                        | 0                        | 12.6       | 67        | 3.4         | 9         | 17           |
| 29/05/24 03:25 | 0           | 6                        | 6                        | 0                        | 12.6       | 66        | 2.4         | 5         | 22           |
| 29/05/24 03:30 | 0           | 6                        | 6                        | 0                        | 12.7       | 66        | 2.4         | 6         | 28           |
| 29/05/24 03:35 | 0           | 6                        | 6                        | 0                        | 12.6       | 66        | 3.2         | 4         | 17           |
| 29/05/24 03:40 | 0           | 6                        | 6                        | 0                        | 12.6       | 66        | 2.3         | 5         | 25           |
| 29/05/24 03:45 | 0           | 7                        | 7                        | 0                        | 12.5       | 67        | 2.6         | 10        | 22           |
| 29/05/24 03:50 | 0           | 7                        | 7                        | 0                        | 12.4       | 67        | 3.0         | 6         | 16           |
| 29/05/24 03:55 | 0           | 7                        | 7                        | 0                        | 12.5       | 66        | 2.8         | 13        | 25           |
| 29/05/24 04:00 | 0           | 7                        | 7                        | 0                        | 12.5       | 66        | 2.9         | 10        | 20           |
| 29/05/24 04:05 | 0           | 7                        | 7                        | 0                        | 12.5       | 66        | 2.1         | 17        | 26           |
| 29/05/24 04:10 | 0           | 7                        | 7                        | 0                        | 12.5       | 66        | 2.4         | 12        | 25           |
| 29/05/24 04:15 | 0           | 7                        | 7                        | 0                        | 12.4       | 67        | 2.3         | 15        | 23           |
| 29/05/24 04:20 | 0           | 7                        | 7                        | 0                        | 12.5       | 67        | 2.7         | 10        | 17           |
| 29/05/24 04:25 | 0           | 7                        | 7                        | 0                        | 12.4       | 67        | 2.1         | 4         | 23           |
| 29/05/24 04:30 | 0           | 7                        | 7                        | 0                        | 12.3       | 67        | 1.9         | 3         | 25           |
| 29/05/24 04:35 | 0           | 7                        | 7                        | 0                        | 12.3       | 68        | 2.4         | 359       | 20           |
| 29/05/24 04:40 | 0           | 7                        | 8                        | 0                        | 12.3       | 67        | 2.2         | 342       | 25           |
| 29/05/24 04:45 | 0           | 8                        | 8                        | 0                        | 12.3       | 68        | 1.3         | 323       | 37           |
| 29/05/24 04:50 | 0           | 10                       | 10                       | 0                        | 12.4       | 68        | 1.5         | 317       | 32           |
| 29/05/24 04:55 | 0           | 13                       | 14                       | 0                        | 12.3       | 69        | 1.7         | 321       | 29           |
| 29/05/24 05:00 | 1           | 18                       | 19                       | 0                        | 12.1       | 69        | 1.3         | 319       | 32           |
| 29/05/24 05:05 | 1           | 21                       | 21                       | 0                        | 12.1       | 70        | 1.2         | 325       | 32           |
| 29/05/24 05:10 | 1           | 22                       | 23                       | 0                        | 12.0       | 69        | 1.4         | 344       | 30           |
| 29/05/24 05:15 | 1           | 21                       | 23                       | 0                        | 12.0       | 69        | 1.9         | 355       | 29           |
| 29/05/24 05:20 | 1           | 20                       | 21                       | 0                        | 12.0       | 69        | 2.1         | 357       | 25           |
| 29/05/24 05:25 | 1           | 19                       | 20                       | 0                        | 12.1       | 69        | 2.1         | 358       | 23           |
| 29/05/24 05:30 | 1           | 18                       | 19                       | 0                        | 12.1       | 68        | 2.5         | 0         | 20           |
| 29/05/24 05:35 | 1           | 16                       | 17                       | 0                        | 12.1       | 68        | 2.2         | 4         | 25           |
| 29/05/24 05:40 | 1           | 16                       | 16                       | 0                        | 12.2       | 68        | 2.9         | 3         | 21           |
| 29/05/24 05:45 | 1           | 15                       | 16                       | 0                        | 12.2       | 68        | 2.7         | 5         | 20           |
| 29/05/24 05:50 | 1           | 15                       | 16                       | 0                        | 12.1       | 68        | 2.4         | 12        | 22           |
| 29/05/24 05:55 | 1           | 15                       | 16                       | 0                        | 12.0       | 68        | 2.6         | 10        | 25           |
| 29/05/24 06:00 | 1           | 14                       | 15                       | 0                        | 12.2       | 68        | 2.4         | 16        | 29           |
| 29/05/24 06:05 | 1           | 15                       | 15                       | 0                        | 12.3       | 67        | 3.0         | 11        | 23           |
| 29/05/24 06:10 | 1           | 15                       | 15                       | 0                        | 12.3       | 66        | 4.1         | 3         | 18           |
| 29/05/24 06:15 | 1           | 15                       | 16                       | 0                        | 12.5       | 65        | 3.6         | 6         | 17           |
| 29/05/24 06:20 | 1           | 15                       | 15                       | 0                        | 12.6       | 64        | 3.3         | 360       | 22           |
| 29/05/24 06:25 | 1           | 15                       | 15                       | 0                        | 12.8       | 63        | 3.9         | 355       | 20           |
| 29/05/24 06:30 | 2           | 16                       | 18                       | 0                        | 12.8       | 64        | 2.2         | 335       | 34           |
| 29/05/24 06:35 | 7           | 33                       | 40                       | 0                        | 12.7       | 64        | 2.3         | 339       | 36           |
| 29/05/24 06:40 | 20          | 30                       | 50                       | 0                        | 12.6       | 65        | 2.3         | 350       | 28           |
| 29/05/24 06:45 | 18          | 30                       | 49                       | 0                        | 12.5       | 65        | 2.4         | 356       | 30           |
| 29/05/24 06:50 | 16          | 30                       | 46                       | 0                        | 12.3       | 65        | 2.5         | 350       | 28           |
| 29/05/24 06:55 | 15          | 29                       | 44                       | 0                        | 12.3       | 65        | 2.1         | 335       | 27           |
| 29/05/24 07:00 | 14          | 29                       | 43                       | 0                        | 12.2       | 65        | 2.2         | 317       | 29           |
| 29/05/24 07:05 | 13          | 29                       | 42                       | 0                        | 12.3       | 66        | 2.0         | 323       | 34           |
| 29/05/24 07:10 | 13          | 29                       | 42                       | 0                        | 12.3       | 65        | 2.2         | 335       | 29           |
| 29/05/24 07:15 | 13          | 29                       | 41                       | 0                        | 12.2       | 66        | 0.7         | 344       | 62           |
| 29/05/24 07:20 | 13          | 29                       | 42                       | 0                        | 12.1       | 66        | 2.2         | 359       | 22           |
| 29/05/24 07:25 | 15          | 29                       | 44                       | 0                        | 12.0       | 66        | 2.2         | 357       | 25           |
| 29/05/24 07:30 | 18          | 30                       | 48                       | 0                        | 11.9       | 67        | 1.8         | 356       | 30           |
| 29/05/24 07:35 | 34          | 26                       | 59                       | 1                        | 12.0       | 66        | 1.6         | 357       | 39           |
| 29/05/24 07:40 | 28          | 31                       | 60                       | 1                        | 12.0       | 66        | 1.9         | 358       | 30           |
| 29/05/24 07:45 | 22          | 30                       | 52                       | 0                        | 12.2       | 65        | 3.2         | 5         | 21           |
| 29/05/24 07:50 | 15          | 26                       | 42                       | 1                        | 12.3       | 63        | 2.8         | 359       | 28           |
| 29/05/24 07:55 | 12          | 27                       | 38                       | 0                        | 12.5       | 62        | 3.5         | 1         | 20           |
| 29/05/24 08:00 | 9           | 23                       | 33                       | 0                        | 12.7       | 61        | 2.6         | 4         | 28           |
| 29/05/24 08:05 | 7           | 21                       | 27                       | 0                        | 12.9       | 60        | 2.7         | 16        | 29           |
| 29/05/24 08:10 | 6           | 19                       | 25                       | 0                        | 13.2       | 58        | 3.6         | 10        | 21           |

Station Pier Ambient Air Quality Monitoring  
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| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 29/05/24 08:15 | 5           | 18                       | 23                       | 0                        | 13.4       | 58        | 3.1         | 8         | 25           |
| 29/05/24 08:20 | 5           | 17                       | 22                       | 0                        | 13.6       | 57        | 4.0         | 1         | 23           |
| 29/05/24 08:25 | 5           | 16                       | 21                       | 0                        | 13.8       | 56        | 4.8         | 4         | 17           |
| 29/05/24 08:30 | 4           | 16                       | 21                       | 0                        | 13.8       | 56        | 3.3         | 357       | 31           |
| 29/05/24 08:35 | 5           | 17                       | 22                       | 0                        | 13.9       | 56        | 3.0         | 357       | 29           |
| 29/05/24 08:40 | 6           | 20                       | 26                       | 0                        | 14.1       | 55        | 2.4         | 350       | 33           |
| 29/05/24 08:45 | 7           | 22                       | 29                       | 0                        | 14.1       | 54        | 2.2         | 350       | 41           |
| 29/05/24 08:50 | 8           | 21                       | 30                       | 0                        | 14.2       | 54        | 2.9         | 344       | 30           |
| 29/05/24 08:55 | 9           | 21                       | 30                       | 0                        | 14.3       | 54        | 2.5         | 352       | 35           |
| 29/05/24 09:00 | 10          | 21                       | 30                       | 0                        | 14.5       | 53        | 2.5         | 360       | 31           |
| 29/05/24 09:05 | 10          | 20                       | 30                       | 0                        | 14.6       | 53        | 3.2         | 355       | 26           |
| 29/05/24 09:10 | 9           | 19                       | 29                       | 1                        | 14.6       | 53        | 3.0         | 345       | 31           |
| 29/05/24 09:15 | 9           | 19                       | 28                       | 1                        | 14.7       | 53        | 3.3         | 351       | 27           |
| 29/05/24 09:20 | 10          | 19                       | 29                       | 1                        | 14.7       | 53        | 3.1         | 359       | 26           |
| 29/05/24 09:25 | 10          | 19                       | 30                       | 1                        | 14.9       | 52        | 2.9         | 353       | 25           |
| 29/05/24 09:30 | 11          | 20                       | 30                       | 1                        | 15.0       | 52        | 2.6         | 352       | 36           |
| 29/05/24 09:35 | 11          | 20                       | 31                       | 1                        | 15.2       | 52        | 2.4         | 342       | 34           |
| 29/05/24 09:40 | 12          | 20                       | 32                       | 1                        | 15.4       | 51        | 2.5         | 350       | 36           |
| 29/05/24 09:45 | 12          | 20                       | 32                       | 1                        | 15.7       | 50        | 2.9         | 357       | 28           |
| 29/05/24 09:50 | 12          | 20                       | 32                       | 1                        | 16.0       | 49        | 3.2         | 7         | 24           |
| 29/05/24 09:55 | 12          | 19                       | 31                       | 1                        | 16.3       | 48        | 2.8         | 16        | 22           |
| 29/05/24 10:00 | 11          | 19                       | 30                       | 1                        | 16.4       | 48        | 2.5         | 352       | 31           |
| 29/05/24 10:05 | 11          | 19                       | 30                       | 1                        | 16.6       | 47        | 2.9         | 356       | 32           |
| 29/05/24 10:10 | 10          | 18                       | 29                       | 1                        | 16.8       | 47        | 2.6         | 343       | 35           |
| 29/05/24 10:15 | 10          | 18                       | 27                       | 0                        | 16.9       | 46        | 3.0         | 342       | 28           |
| 29/05/24 10:20 | 9           | 17                       | 26                       | 0                        | 17.1       | 46        | 4.0         | 354       | 25           |
| 29/05/24 10:25 | 8           | 16                       | 24                       | 0                        | 17.2       | 46        | 4.2         | 7         | 21           |
| 29/05/24 10:30 | 8           | 15                       | 22                       | 0                        | 17.2       | 45        | 3.8         | 2         | 28           |
| 29/05/24 10:35 | 7           | 12                       | 19                       | 0                        | 17.4       | 45        | 3.9         | 357       | 27           |
| 29/05/24 10:40 | 6           | 10                       | 16                       | 0                        | 17.4       | 45        | 5.0         | 6         | 24           |
| 29/05/24 10:45 | 5           | 9                        | 14                       | 0                        | 17.4       | 44        | 5.1         | 6         | 19           |
| 29/05/24 10:50 | 5           | 7                        | 12                       | 0                        | 17.6       | 44        | 4.2         | 4         | 30           |
| 29/05/24 10:55 | 4           | 8                        | 12                       | 0                        | 17.7       | 44        | 4.3         | 3         | 28           |
| 29/05/24 11:00 | 4           | 8                        | 12                       | 0                        | 17.7       | 44        | 5.1         | 9         | 19           |
| 29/05/24 11:05 | 4           | 8                        | 12                       | 0                        | 17.7       | 44        | 4.8         | 8         | 23           |
| 29/05/24 11:10 | 4           | 8                        | 11                       | 0                        | 17.7       | 44        | 5.2         | 7         | 21           |
| 29/05/24 11:15 | 3           | 8                        | 11                       | 0                        | 17.7       | 44        | 5.2         | 10        | 24           |
| 29/05/24 11:20 | 3           | 8                        | 11                       | 0                        | 17.8       | 44        | 5.3         | 2         | 32           |
| 29/05/24 11:25 | 3           | 8                        | 10                       | 0                        | 17.9       | 44        | 5.0         | 8         | 20           |
| 29/05/24 11:30 | 3           | 8                        | 11                       | 0                        | 17.9       | 45        | 4.2         | 4         | 28           |
| 29/05/24 11:35 | 3           | 8                        | 11                       | 0                        | 18.0       | 45        | 4.8         | 5         | 20           |
| 29/05/24 11:40 | 3           | 9                        | 12                       | 0                        | 18.1       | 45        | 4.0         | 2         | 22           |
| 29/05/24 11:45 | 4           | 9                        | 13                       | 0                        | 18.3       | 44        | 4.4         | 3         | 21           |
| 29/05/24 11:50 | 4           | 9                        | 13                       | 1                        | 18.3       | 44        | 3.4         | 14        | 26           |
| 29/05/24 11:55 | 4           | 9                        | 13                       | 0                        | 18.3       | 44        | 5.2         | 6         | 22           |
| 29/05/24 12:00 | 3           | 9                        | 12                       | 1                        | 18.3       | 44        | 4.9         | 8         | 25           |
| 29/05/24 12:05 | 3           | 8                        | 11                       | 1                        | 18.3       | 44        | 6.0         | 6         | 16           |
| 29/05/24 12:10 | 3           | 8                        | 11                       | 1                        | 18.3       | 44        | 5.2         | 0         | 22           |
| 29/05/24 12:15 | 3           | 8                        | 11                       | 1                        | 18.3       | 44        | 5.6         | 9         | 21           |
| 29/05/24 12:20 | 3           | 8                        | 11                       | 0                        | 18.4       | 44        | 5.5         | 356       | 27           |
| 29/05/24 12:25 | 3           | 8                        | 11                       | 0                        | 18.5       | 43        | 5.2         | 4         | 23           |
| 29/05/24 12:30 | 3           | 8                        | 11                       | 0                        | 18.6       | 43        | 5.9         | 6         | 22           |
| 29/05/24 12:35 | 3           | 7                        | 10                       | 0                        | 18.6       | 43        | 5.1         | 10        | 21           |
| 29/05/24 12:40 | 3           | 7                        | 10                       | 0                        | 18.8       | 42        | 5.3         | 13        | 22           |
| 29/05/24 12:45 | 3           | 7                        | 10                       | 1                        | 18.9       | 42        | 5.2         | 12        | 19           |
| 29/05/24 12:50 | 3           | 7                        | 10                       | 0                        | 19.2       | 42        | 4.2         | 19        | 24           |
| 29/05/24 12:55 | 3           | 8                        | 10                       | 0                        | 19.3       | 42        | 4.7         | 5         | 25           |
| 29/05/24 13:00 | 3           | 8                        | 11                       | 0                        | 19.4       | 42        | 4.9         | 6         | 26           |
| 29/05/24 13:05 | 3           | 9                        | 12                       | 0                        | 19.4       | 42        | 6.3         | 6         | 21           |
| 29/05/24 13:10 | 3           | 8                        | 11                       | 0                        | 19.2       | 42        | 5.9         | 1         | 22           |
| 29/05/24 13:15 | 3           | 8                        | 12                       | 0                        | 19.3       | 43        | 5.3         | 358       | 24           |
| 29/05/24 13:20 | 3           | 9                        | 11                       | 0                        | 19.6       | 43        | 4.1         | 21        | 24           |
| 29/05/24 13:25 | 3           | 8                        | 11                       | 0                        | 19.6       | 42        | 6.6         | 18        | 16           |
| 29/05/24 13:30 | 2           | 8                        | 10                       | 0                        | 19.5       | 43        | 4.6         | 20        | 24           |
| 29/05/24 13:35 | 2           | 7                        | 10                       | 0                        | 19.6       | 42        | 5.0         | 19        | 24           |
| 29/05/24 13:40 | 2           | 7                        | 9                        | 0                        | 19.7       | 43        | 5.9         | 9         | 28           |
| 29/05/24 13:45 | 2           | 7                        | 9                        | 0                        | 19.5       | 43        | 6.0         | 19        | 19           |
| 29/05/24 13:50 | 2           | 7                        | 9                        | 0                        | 19.6       | 43        | 5.8         | 14        | 18           |
| 29/05/24 13:55 | 2           | 7                        | 9                        | 0                        | 19.7       | 43        | 5.0         | 15        | 24           |
| 29/05/24 14:00 | 2           | 7                        | 9                        | 0                        | 19.7       | 43        | 5.6         | 9         | 19           |
| 29/05/24 14:05 | 2           | 6                        | 8                        | 1                        | 19.7       | 43        | 4.3         | 18        | 26           |
| 29/05/24 14:10 | 2           | 6                        | 8                        | 0                        | 19.8       | 43        | 4.7         | 15        | 25           |
| 29/05/24 14:15 | 2           | 6                        | 8                        | 1                        | 19.8       | 43        | 4.9         | 9         | 21           |
| 29/05/24 14:20 | 2           | 6                        | 8                        | 1                        | 19.9       | 43        | 5.3         | 4         | 22           |
| 29/05/24 14:25 | 2           | 6                        | 8                        | 1                        | 19.8       | 43        | 5.2         | 11        | 16           |
| 29/05/24 14:30 | 2           | 7                        | 8                        | 0                        | 19.9       | 43        | 4.1         | 10        | 28           |
| 29/05/24 14:35 | 2           | 7                        | 9                        | 0                        | 20.0       | 43        | 4.7         | 360       | 24           |
| 29/05/24 14:40 | 2           | 8                        | 10                       | 0                        | 20.0       | 43        | 5.5         | 4         | 19           |
| 29/05/24 14:45 | 3           | 9                        | 12                       | 1                        | 20.1       | 42        | 4.6         | 2         | 26           |
| 29/05/24 14:50 | 3           | 9                        | 12                       | 0                        | 20.0       | 43        | 5.4         | 359       | 29           |
| 29/05/24 14:55 | 3           | 9                        | 12                       | 0                        | 20.0       | 43        | 4.5         | 4         | 24           |
| 29/05/24 15:00 | 3           | 9                        | 12                       | 1                        | 20.1       | 43        | 4.7         | 358       | 24           |
| 29/05/24 15:05 | 3           | 10                       | 13                       | 1                        | 20.1       | 42        | 4.9         | 7         | 21           |
| 29/05/24 15:10 | 3           | 11                       | 14                       | 1                        | 20.1       | 42        | 3.8         | 10        | 29           |
| 29/05/24 15:15 | 3           | 11                       | 14                       | 1                        | 20.2       | 42        | 4.8         | 6         | 23           |
| 29/05/24 15:20 | 3           | 11                       | 15                       | 0                        | 20.2       | 42        | 4.2         | 3         | 27           |
| 29/05/24 15:25 | 3           | 12                       | 15                       | 1                        | 20.2       | 42        | 4.8         | 11        | 18           |
| 29/05/24 15:30 | 3           | 12                       | 15                       | 1                        | 20.2       | 42        | 5.0         | 9         | 18           |
| 29/05/24 15:35 | 3           | 10                       | 13                       | 1                        | 20.3       | 41        | 6.3         | 7         | 19           |
| 29/05/24 15:40 | 2           | 8                        | 10                       | 1                        | 20.2       | 42        | 5.3         | 10        | 24           |
| 29/05/24 15:45 | 2           | 7                        | 10                       | 1                        | 20.2       | 42        | 5.1         | 3         | 21           |
| 29/05/24 15:50 | 2           | 8                        | 10                       | 1                        | 20.1       | 42        | 5.3         | 4         | 20           |
| 29/05/24 15:55 | 2           | 9                        | 11                       | 1                        | 20.2       | 42        | 5.7         | 8         | 21           |
| 29/05/24 16:00 | 2           | 8                        | 10                       | 1                        | 20.1       | 42        | 5.7         | 4         | 27           |
| 29/05/24 16:05 | 2           | 8                        | 10                       | 1                        | 20.1       | 42        | 4.6         | 5         | 24           |
| 29/05/24 16:10 | 2           | 9                        | 10                       | 1                        | 20.0       | 42        | 3.8         | 360       | 28           |
| 29/05/24 16:15 | 2           | 9                        | 10                       | 1                        | 20.0       | 42        | 6.0         | 12        | 20           |
| 29/05/24 16:20 | 2           | 8                        | 10                       | 0                        | 20.0       | 42        | 4.4         | 4         | 30           |
| 29/05/24 16:25 | 2           | 9                        | 10                       | 1                        | 20.0       | 42        | 3.8         | 4         | 33           |
| 29/05/24 16:30 | 1           | 9                        | 10                       | 1                        | 19.9       | 43        | 4.0         | 1         | 23           |
| 29/05/24 16:35 | 1           | 10                       | 11                       | 1                        | 19.8       | 43        | 4.2         | 357       | 24           |
| 29/05/24 16:40 | 1           | 10                       | 11                       | 1                        | 19.8       | 43        | 4.0         | 4         | 24           |
| 29/05/24 16:45 | 1           | 10                       | 11                       | 0                        | 19.6       | 44        | 3.5         | 359       | 24           |
| 29/05/24 16:50 | 1           | 10                       | 11                       | 0                        | 19.4       | 44        | 3.6         | 3         | 22           |
| 29/05/24 16:55 | 1           | 11                       | 12                       | 0                        | 19.3       | 45        | 3.9         | 1         | 22           |
| 29/05/24 17:00 | 1           | 11                       | 12                       | 0                        | 19.3       | 45        | 4.2         | 2         | 25           |

Station Pier Ambient Air Quality Monitoring  
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| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 29/05/24 17:05 | 1           | 11                       | 12                       | 0                        | 19.1       | 45        | 3.3         | 4         | 24           |
| 29/05/24 17:10 | 1           | 12                       | 13                       | 0                        | 19.1       | 46        | 3.7         | 356       | 27           |
| 29/05/24 17:15 | 1           | 14                       | 14                       | 0                        | 19.0       | 46        | 3.5         | 5         | 24           |
| 29/05/24 17:20 | 1           | 17                       | 18                       | 1                        | 18.8       | 47        | 3.9         | 5         | 22           |
| 29/05/24 17:25 | 1           | 18                       | 19                       | 0                        | 18.8       | 47        | 3.3         | 2         | 27           |
| 29/05/24 17:30 | 1           | 18                       | 19                       | 0                        | 18.6       | 48        | 3.1         | 359       | 24           |
| 29/05/24 17:35 | 1           | 20                       | 21                       | 0                        | 18.5       | 48        | 3.5         | 7         | 21           |
| 29/05/24 17:40 | 1           | 20                       | 21                       | 0                        | 18.5       | 49        | 2.9         | 3         | 28           |
| 29/05/24 17:45 | 1           | 19                       | 20                       | 0                        | 18.3       | 49        | 4.2         | 6         | 25           |
| 29/05/24 17:50 | 1           | 17                       | 18                       | 0                        | 18.3       | 49        | 3.7         | 3         | 16           |
| 29/05/24 17:55 | 1           | 17                       | 18                       | 0                        | 18.3       | 49        | 3.5         | 3         | 21           |
| 29/05/24 18:00 | 1           | 17                       | 18                       | 0                        | 18.2       | 50        | 3.0         | 0         | 25           |
| 29/05/24 18:05 | 1           | 18                       | 19                       | 0                        | 18.1       | 50        | 3.2         | 1         | 20           |
| 29/05/24 18:10 | 1           | 17                       | 18                       | 0                        | 18.0       | 50        | 3.7         | 3         | 21           |
| 29/05/24 18:15 | 1           | 16                       | 17                       | 0                        | 18.2       | 50        | 3.8         | 359       | 22           |
| 29/05/24 18:20 | 1           | 14                       | 15                       | 1                        | 18.2       | 50        | 3.9         | 4         | 24           |
| 29/05/24 18:25 | 1           | 12                       | 13                       | 1                        | 18.1       | 50        | 3.2         | 1         | 26           |
| 29/05/24 18:30 | 0           | 12                       | 13                       | 0                        | 17.9       | 51        | 2.9         | 12        | 25           |
| 29/05/24 18:35 | 0           | 12                       | 13                       | 0                        | 17.8       | 51        | 2.5         | 10        | 26           |
| 29/05/24 18:40 | 0           | 12                       | 13                       | 1                        | 17.8       | 52        | 3.0         | 9         | 20           |
| 29/05/24 18:45 | 0           | 12                       | 13                       | 1                        | 17.6       | 52        | 3.4         | 9         | 24           |
| 29/05/24 18:50 | 0           | 12                       | 12                       | 1                        | 17.7       | 52        | 3.6         | 15        | 20           |
| 29/05/24 18:55 | 0           | 12                       | 12                       | 1                        | 17.7       | 52        | 3.4         | 17        | 20           |
| 29/05/24 19:00 | 0           | 12                       | 12                       | 1                        | 17.7       | 52        | 3.7         | 25        | 19           |
| 29/05/24 19:05 | 0           | 11                       | 12                       | 0                        | 17.7       | 52        | 3.5         | 30        | 14           |
| 29/05/24 19:10 | 0           | 11                       | 11                       | 0                        | 17.6       | 52        | 3.8         | 29        | 13           |
| 29/05/24 19:15 | 0           | 11                       | 11                       | 0                        | 17.6       | 53        | 3.1         | 28        | 16           |
| 29/05/24 19:20 | 0           | 11                       | 12                       | 1                        | 17.4       | 53        | 3.1         | 32        | 19           |
| 29/05/24 19:25 | 0           | 11                       | 12                       | 1                        | 17.5       | 52        | 2.9         | 25        | 21           |
| 29/05/24 19:30 | 1           | 11                       | 12                       | 1                        | 17.5       | 52        | 3.2         | 22        | 28           |
| 29/05/24 19:35 | 0           | 11                       | 11                       | 1                        | 17.5       | 52        | 3.3         | 22        | 22           |
| 29/05/24 19:40 | 0           | 11                       | 11                       | 1                        | 17.6       | 51        | 3.8         | 24        | 22           |
| 29/05/24 19:45 | 1           | 10                       | 11                       | 0                        | 17.7       | 50        | 4.1         | 21        | 19           |
| 29/05/24 19:50 | 0           | 10                       | 10                       | 1                        | 17.7       | 50        | 3.1         | 24        | 20           |
| 29/05/24 19:55 | 0           | 9                        | 10                       | 1                        | 17.7       | 50        | 2.4         | 22        | 25           |
| 29/05/24 20:00 | 0           | 9                        | 9                        | 1                        | 17.6       | 49        | 3.8         | 23        | 17           |
| 29/05/24 20:05 | 0           | 9                        | 9                        | 1                        | 17.8       | 49        | 2.4         | 22        | 25           |
| 29/05/24 20:10 | 0           | 9                        | 9                        | 0                        | 17.8       | 48        | 3.3         | 20        | 21           |
| 29/05/24 20:15 | 0           | 9                        | 9                        | 0                        | 18.0       | 47        | 3.8         | 27        | 17           |
| 29/05/24 20:20 | 0           | 8                        | 9                        | 0                        | 18.1       | 46        | 3.4         | 24        | 18           |
| 29/05/24 20:25 | 0           | 8                        | 8                        | 0                        | 18.2       | 46        | 3.3         | 18        | 21           |
| 29/05/24 20:30 | 1           | 8                        | 9                        | 0                        | 18.1       | 46        | 2.3         | 16        | 18           |
| 29/05/24 20:35 | 1           | 8                        | 9                        | 0                        | 17.9       | 47        | 2.8         | 19        | 19           |
| 29/05/24 20:40 | 1           | 8                        | 9                        | 0                        | 17.9       | 47        | 2.2         | 25        | 20           |
| 29/05/24 20:45 | 0           | 9                        | 9                        | 0                        | 18.0       | 46        | 2.7         | 21        | 19           |
| 29/05/24 20:50 | 0           | 9                        | 9                        | 0                        | 18.0       | 46        | 2.4         | 22        | 21           |
| 29/05/24 20:55 | 1           | 9                        | 9                        | 0                        | 18.2       | 46        | 2.9         | 19        | 22           |
| 29/05/24 21:00 | 0           | 8                        | 9                        | 0                        | 18.3       | 46        | 2.6         | 8         | 26           |
| 29/05/24 21:05 | 0           | 8                        | 8                        | 0                        | 18.3       | 46        | 2.4         | 20        | 27           |
| 29/05/24 21:10 | 0           | 8                        | 8                        | 0                        | 18.4       | 46        | 3.8         | 15        | 21           |
| 29/05/24 21:15 | 0           | 7                        | 8                        | 1                        | 18.6       | 45        | 3.7         | 12        | 27           |
| 29/05/24 21:20 | 0           | 7                        | 7                        | 1                        | 18.7       | 45        | 4.1         | 19        | 23           |
| 29/05/24 21:25 | 0           | 7                        | 7                        | 1                        | 18.8       | 45        | 3.7         | 10        | 22           |
| 29/05/24 21:30 | 0           | 6                        | 7                        | 1                        | 18.6       | 46        | 2.8         | 9         | 29           |
| 29/05/24 21:35 | 0           | 6                        | 7                        | 0                        | 18.5       | 46        | 3.0         | 6         | 20           |
| 29/05/24 21:40 | 0           | 6                        | 6                        | 1                        | 18.6       | 46        | 2.6         | 11        | 22           |
| 29/05/24 21:45 | 0           | 6                        | 7                        | 1                        | 18.4       | 47        | 3.1         | 10        | 22           |
| 29/05/24 21:50 | 0           | 7                        | 7                        | 1                        | 18.4       | 47        | 3.1         | 6         | 22           |
| 29/05/24 21:55 | 0           | 7                        | 7                        | 1                        | 18.5       | 47        | 3.4         | 6         | 24           |
| 29/05/24 22:00 | 0           | 7                        | 8                        | 1                        | 18.4       | 47        | 3.2         | 6         | 23           |
| 29/05/24 22:05 | 0           | 7                        | 8                        | 1                        | 18.4       | 48        | 3.4         | 2         | 22           |
| 29/05/24 22:10 | 0           | 7                        | 7                        | 1                        | 18.4       | 48        | 4.0         | 5         | 24           |
| 29/05/24 22:15 | 0           | 7                        | 7                        | 1                        | 18.4       | 47        | 4.3         | 358       | 25           |
| 29/05/24 22:20 | 0           | 7                        | 7                        | 1                        | 18.4       | 48        | 3.8         | 0         | 30           |
| 29/05/24 22:25 | 0           | 7                        | 7                        | 1                        | 18.3       | 48        | 4.1         | 360       | 20           |
| 29/05/24 22:30 | 0           | 6                        | 6                        | 1                        | 18.2       | 48        | 3.5         | 5         | 19           |
| 29/05/24 22:35 | 0           | 6                        | 6                        | 0                        | 18.0       | 49        | 3.6         | 6         | 24           |
| 29/05/24 22:40 | 0           | 6                        | 6                        | 0                        | 18.0       | 49        | 3.4         | 2         | 26           |
| 29/05/24 22:45 | 0           | 6                        | 6                        | 0                        | 18.0       | 50        | 4.3         | 4         | 19           |
| 29/05/24 22:50 | 0           | 5                        | 5                        | 0                        | 18.1       | 49        | 4.3         | 7         | 18           |
| 29/05/24 22:55 | 0           | 5                        | 5                        | 0                        | 18.1       | 50        | 3.6         | 16        | 23           |
| 29/05/24 23:00 | 0           | 5                        | 5                        | 0                        | 18.0       | 51        | 2.8         | 3         | 26           |
| 29/05/24 23:05 | 0           | 5                        | 5                        | 0                        | 17.9       | 51        | 3.0         | 360       | 23           |
| 29/05/24 23:10 | 0           | 5                        | 5                        | 0                        | 17.8       | 51        | 3.3         | 2         | 19           |
| 29/05/24 23:15 | 0           | 5                        | 5                        | 0                        | 17.7       | 52        | 3.1         | 6         | 22           |
| 29/05/24 23:20 | 0           | 5                        | 5                        | 0                        | 17.8       | 53        | 3.0         | 16        | 22           |
| 29/05/24 23:25 | 0           | 5                        | 5                        | 0                        | 17.7       | 53        | 2.5         | 18        | 26           |
| 29/05/24 23:30 | 0           | 5                        | 5                        | 0                        | 17.7       | 54        | 3.8         | 13        | 18           |
| 29/05/24 23:35 | 0           | 5                        | 5                        | 0                        | 17.8       | 54        | 3.3         | 8         | 22           |
| 29/05/24 23:40 | 0           | 5                        | 5                        | 0                        | 18.0       | 54        | 3.8         | 6         | 22           |
| 29/05/24 23:45 | 0           | 5                        | 5                        | 0                        | 18.0       | 54        | 2.7         | 357       | 29           |
| 29/05/24 23:50 | 0           | 5                        | 5                        |                          | 18.0       | 54        | 3.1         | 4         | 24           |
| 29/05/24 23:55 | 0           | 5                        | 5                        |                          | 18.0       | 55        | 2.8         | 7         | 25           |
| 30/05/24 00:00 | 0           | 5                        | 5                        | 0                        | 17.9       | 55        | 3.6         | 18        | 20           |
| 30/05/24 00:05 | 0           | 5                        | 5                        | 0                        | 17.9       | 55        | 4.2         | 14        | 18           |
| 30/05/24 00:10 | 0           | 5                        | 5                        | 0                        | 18.0       | 55        | 3.1         | 14        | 28           |
| 30/05/24 00:15 | 0           | 5                        | 5                        | 0                        | 18.0       | 55        | 4.0         | 12        | 20           |
| 30/05/24 00:20 | 0           | 5                        | 5                        | 0                        | 17.9       | 55        | 3.3         | 17        | 21           |
| 30/05/24 00:25 | 0           | 5                        | 5                        | 0                        | 17.8       | 56        | 3.8         | 23        | 17           |
| 30/05/24 00:30 | 0           | 5                        | 5                        | 0                        | 17.9       | 55        | 3.4         | 18        | 19           |
| 30/05/24 00:35 | 0           | 5                        | 5                        | 0                        | 17.8       | 56        | 3.7         | 22        | 21           |
| 30/05/24 00:40 | 0           | 5                        | 5                        | 0                        | 17.9       | 55        | 4.4         | 17        | 20           |
| 30/05/24 00:45 | 0           | 5                        | 5                        | 0                        | 18.1       | 55        | 3.6         | 24        | 21           |
| 30/05/24 00:50 | 0           | 5                        | 5                        | 0                        | 18.2       | 55        | 3.6         | 23        | 22           |
| 30/05/24 00:55 | 0           | 5                        | 5                        | 0                        | 18.2       | 55        | 4.4         | 24        | 19           |
| 30/05/24 01:00 | 0           | 5                        | 5                        | 0                        | 18.3       | 54        | 3.5         | 24        | 20           |
| 30/05/24 01:05 |             |                          |                          |                          | 18.2       | 54        | 3.9         | 23        | 19           |
| 30/05/24 01:10 |             |                          |                          |                          | 18.3       | 54        | 3.3         | 25        | 21           |
| 30/05/24 01:15 |             |                          |                          |                          | 18.4       | 54        | 4.6         | 26        | 19           |
| 30/05/24 01:20 |             |                          |                          |                          | 18.6       | 53        | 5.2         | 27        | 15           |
| 30/05/24 01:25 |             |                          |                          |                          | 18.6       | 53        | 5.4         | 33        | 17           |
| 30/05/24 01:30 |             |                          |                          |                          | 18.6       | 53        | 5.1         | 33        | 14           |
| 30/05/24 01:35 |             |                          |                          |                          | 18.5       | 54        | 4.0         | 19        | 22           |
| 30/05/24 01:40 |             |                          |                          |                          | 18.6       | 54        | 5.6         | 27        | 16           |
| 30/05/24 01:45 |             |                          |                          |                          | 18.7       | 54        | 4.3         | 30        | 19           |
| 30/05/24 01:50 |             |                          |                          |                          | 18.6       | 54        | 4.0         | 27        | 19           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 30/05/24 01:55 |             |                          |                          |                          | 18.7       | 54        | 4.6         | 29        | 15           |
| 30/05/24 02:00 |             |                          |                          |                          | 18.7       | 54        | 3.9         | 27        | 17           |
| 30/05/24 02:05 | 0           | 4                        | 4                        | 1                        | 18.8       | 54        | 3.6         | 24        | 18           |
| 30/05/24 02:10 | 0           | 4                        | 4                        | 1                        | 18.8       | 54        | 2.9         | 25        | 20           |
| 30/05/24 02:15 | 0           | 4                        | 4                        | 1                        | 18.8       | 55        | 3.5         | 16        | 23           |
| 30/05/24 02:20 | 0           | 4                        | 4                        | 1                        | 18.8       | 55        | 3.1         | 7         | 37           |
| 30/05/24 02:25 | 0           | 4                        | 4                        | 1                        | 18.9       | 54        | 4.1         | 8         | 20           |
| 30/05/24 02:30 | 0           | 4                        | 4                        | 0                        | 19.0       | 54        | 3.2         | 11        | 23           |
| 30/05/24 02:35 | 0           | 4                        | 4                        | 0                        | 18.9       | 54        | 4.1         | 6         | 19           |
| 30/05/24 02:40 | 0           | 4                        | 4                        | 0                        | 19.0       | 54        | 4.7         | 9         | 22           |
| 30/05/24 02:45 | 0           | 4                        | 4                        | 0                        | 19.1       | 54        | 4.1         | 11        | 23           |
| 30/05/24 02:50 | 0           | 4                        | 4                        | 0                        | 19.1       | 54        | 4.5         | 358       | 25           |
| 30/05/24 02:55 | 0           | 4                        | 4                        | 0                        | 19.0       | 55        | 3.7         | 356       | 24           |
| 30/05/24 03:00 | 0           | 4                        | 4                        | 0                        | 18.9       | 55        | 3.7         | 6         | 25           |
| 30/05/24 03:05 | 0           | 4                        | 4                        | 0                        | 18.8       | 55        | 3.9         | 11        | 23           |
| 30/05/24 03:10 | 0           | 4                        | 4                        | 0                        | 18.8       | 56        | 3.8         | 6         | 29           |
| 30/05/24 03:15 | 0           | 4                        | 4                        | 0                        | 18.8       | 55        | 4.5         | 2         | 23           |
| 30/05/24 03:20 | 0           | 4                        | 4                        | 0                        | 18.9       | 55        | 4.1         | 6         | 26           |
| 30/05/24 03:25 | 0           | 4                        | 4                        | 0                        | 18.9       | 55        | 4.8         | 12        | 19           |
| 30/05/24 03:30 | 0           | 4                        | 4                        | 0                        | 19.0       | 54        | 4.3         | 8         | 21           |
| 30/05/24 03:35 | 0           | 3                        | 4                        | 0                        | 19.0       | 54        | 3.2         | 3         | 19           |
| 30/05/24 03:40 | 0           | 3                        | 4                        | 0                        | 18.8       | 54        | 4.0         | 13        | 23           |
| 30/05/24 03:45 | 0           | 3                        | 4                        | 0                        | 18.9       | 54        | 4.5         | 12        | 25           |
| 30/05/24 03:50 | 0           | 3                        | 4                        | 0                        | 18.9       | 54        | 4.4         | 11        | 20           |
| 30/05/24 03:55 | 0           | 4                        | 4                        | 0                        | 18.8       | 54        | 4.1         | 14        | 21           |
| 30/05/24 04:00 | 0           | 4                        | 4                        | 0                        | 18.8       | 54        | 3.7         | 6         | 23           |
| 30/05/24 04:05 | 0           | 4                        | 4                        | 0                        | 18.9       | 54        | 3.5         | 9         | 25           |
| 30/05/24 04:10 | 0           | 4                        | 4                        | 0                        | 18.9       | 54        | 4.2         | 13        | 27           |
| 30/05/24 04:15 | 0           | 4                        | 5                        | 0                        | 19.0       | 54        | 5.0         | 6         | 22           |
| 30/05/24 04:20 | 0           | 4                        | 5                        | 0                        | 19.0       | 54        | 4.7         | 4         | 29           |
| 30/05/24 04:25 | 0           | 4                        | 5                        | 0                        | 18.9       | 54        | 3.3         | 348       | 29           |
| 30/05/24 04:30 | 0           | 5                        | 5                        | 0                        | 18.7       | 55        | 2.5         | 339       | 40           |
| 30/05/24 04:35 | 0           | 6                        | 5                        | 0                        | 18.5       | 56        | 2.8         | 356       | 34           |
| 30/05/24 04:40 | 0           | 6                        | 6                        | 0                        | 18.4       | 56        | 2.2         | 347       | 38           |
| 30/05/24 04:45 | 0           | 7                        | 7                        | 0                        | 18.3       | 57        | 2.7         | 347       | 27           |
| 30/05/24 04:50 | 0           | 7                        | 7                        | 0                        | 18.1       | 57        | 2.8         | 358       | 23           |
| 30/05/24 04:55 | 0           | 8                        | 8                        | 0                        | 18.1       | 58        | 3.5         | 0         | 23           |
| 30/05/24 05:00 | 0           | 8                        | 8                        | 0                        | 18.0       | 58        | 2.5         | 5         | 31           |
| 30/05/24 05:05 | 0           | 9                        | 9                        | 0                        | 17.9       | 59        | 2.5         | 357       | 32           |
| 30/05/24 05:10 | 0           | 9                        | 10                       | 0                        | 17.9       | 59        | 2.0         | 5         | 38           |
| 30/05/24 05:15 | 0           | 10                       | 10                       | 0                        | 17.8       | 59        | 2.0         | 3         | 33           |
| 30/05/24 05:20 | 0           | 10                       | 10                       | 0                        | 17.8       | 60        | 3.1         | 358       | 26           |
| 30/05/24 05:25 | 0           | 10                       | 10                       | 0                        | 17.8       | 60        | 3.4         | 6         | 21           |
| 30/05/24 05:30 | 1           | 11                       | 12                       | 0                        | 17.8       | 60        | 3.7         | 6         | 25           |
| 30/05/24 05:35 | 1           | 11                       | 11                       | 0                        | 17.9       | 60        | 4.3         | 5         | 19           |
| 30/05/24 05:40 | 0           | 10                       | 11                       | 0                        | 18.0       | 60        | 4.3         | 3         | 23           |
| 30/05/24 05:45 | 0           | 10                       | 10                       | 0                        | 18.0       | 60        | 4.3         | 6         | 20           |
| 30/05/24 05:50 | 0           | 9                        | 10                       | 0                        | 18.1       | 60        | 3.9         | 5         | 20           |
| 30/05/24 05:55 | 0           | 9                        | 9                        | 0                        | 18.0       | 61        | 2.7         | 12        | 24           |
| 30/05/24 06:00 | 0           | 8                        | 9                        | 0                        | 18.0       | 61        | 3.7         | 7         | 26           |
| 30/05/24 06:05 | 0           | 8                        | 8                        | 0                        | 18.0       | 61        | 4.2         | 14        | 18           |
| 30/05/24 06:10 | 0           | 7                        | 8                        | 0                        | 18.0       | 62        | 3.9         | 10        | 22           |
| 30/05/24 06:15 | 0           | 7                        | 8                        | 0                        | 18.0       | 62        | 2.9         | 17        | 29           |
| 30/05/24 06:20 | 0           | 7                        | 8                        | 0                        | 17.8       | 62        | 3.9         | 10        | 31           |
| 30/05/24 06:25 | 1           | 8                        | 8                        | 0                        | 17.9       | 63        | 3.5         | 20        | 21           |
| 30/05/24 06:30 | 1           | 8                        | 8                        | 1                        | 17.9       | 63        | 3.2         | 20        | 27           |
| 30/05/24 06:35 | 1           | 8                        | 9                        | 0                        | 17.9       | 63        | 3.8         | 25        | 24           |
| 30/05/24 06:40 | 0           | 8                        | 9                        | 0                        | 17.9       | 63        | 4.4         | 22        | 22           |
| 30/05/24 06:45 | 0           | 9                        | 9                        | 0                        | 18.0       | 63        | 4.2         | 26        | 20           |
| 30/05/24 06:50 | 0           | 9                        | 9                        | 0                        | 17.9       | 64        | 3.2         | 16        | 27           |
| 30/05/24 06:55 | 1           | 9                        | 10                       | 0                        | 17.9       | 64        | 4.4         | 15        | 17           |
| 30/05/24 07:00 | 1           | 10                       | 10                       | 0                        | 17.9       | 64        | 4.0         | 14        | 31           |
| 30/05/24 07:05 | 1           | 10                       | 10                       | 0                        | 18.0       | 64        | 4.1         | 10        | 23           |
| 30/05/24 07:10 | 1           | 10                       | 10                       | 0                        | 18.0       | 63        | 4.6         | 7         | 18           |
| 30/05/24 07:15 | 1           | 10                       | 11                       | 0                        | 18.1       | 63        | 5.0         | 10        | 25           |
| 30/05/24 07:20 | 1           | 10                       | 11                       | 0                        | 18.1       | 63        | 5.0         | 0         | 23           |
| 30/05/24 07:25 | 1           | 10                       | 11                       | 0                        | 18.0       | 63        | 5.4         | 8         | 16           |
| 30/05/24 07:30 | 1           | 10                       | 11                       | 1                        | 18.1       | 63        | 4.5         | 353       | 27           |
| 30/05/24 07:35 | 1           | 10                       | 11                       | 0                        | 18.0       | 63        | 3.8         | 10        | 24           |
| 30/05/24 07:40 | 1           | 11                       | 11                       | 0                        | 17.9       | 64        | 4.3         | 0         | 28           |
| 30/05/24 07:45 | 1           | 10                       | 11                       | 0                        | 17.9       | 64        | 4.2         | 6         | 29           |
| 30/05/24 07:50 | 1           | 10                       | 11                       | 0                        | 18.0       | 63        | 4.8         | 8         | 15           |
| 30/05/24 07:55 | 1           | 10                       | 11                       | 0                        | 17.9       | 64        | 4.2         | 357       | 28           |
| 30/05/24 08:00 | 1           | 11                       | 11                       | 0                        | 17.9       | 64        | 3.9         | 7         | 25           |
| 30/05/24 08:05 | 1           | 12                       | 13                       | 0                        | 18.0       | 64        | 3.3         | 350       | 28           |
| 30/05/24 08:10 | 2           | 13                       | 15                       | 0                        | 17.9       | 64        | 3.4         | 359       | 30           |
| 30/05/24 08:15 | 2           | 15                       | 17                       | 0                        | 17.9       | 63        | 3.9         | 9         | 24           |
| 30/05/24 08:20 | 2           | 17                       | 19                       | 0                        | 18.0       | 63        | 3.7         | 0         | 27           |
| 30/05/24 08:25 | 2           | 16                       | 19                       | 0                        | 18.1       | 63        | 4.2         | 3         | 24           |
| 30/05/24 08:30 | 2           | 16                       | 18                       | 0                        | 18.1       | 62        | 4.4         | 4         | 24           |
| 30/05/24 08:35 | 2           | 13                       | 16                       | 0                        | 18.3       | 62        | 4.7         | 348       | 32           |
| 30/05/24 08:40 | 2           | 12                       | 14                       | 0                        | 18.3       | 62        | 4.4         | 358       | 31           |
| 30/05/24 08:45 | 2           | 12                       | 14                       | 0                        | 18.3       | 62        | 4.3         | 357       | 33           |
| 30/05/24 08:50 | 2           | 12                       | 15                       | 0                        | 18.3       | 62        | 4.9         | 2         | 22           |
| 30/05/24 08:55 | 2           | 13                       | 15                       | 0                        | 18.2       | 62        | 4.4         | 357       | 25           |
| 30/05/24 09:00 | 2           | 13                       | 16                       | 0                        | 18.2       | 62        | 3.5         | 355       | 26           |
| 30/05/24 09:05 | 2           | 13                       | 15                       | 0                        | 18.2       | 62        | 4.0         | 352       | 27           |
| 30/05/24 09:10 | 2           | 12                       | 15                       | 0                        | 18.2       | 62        | 3.5         | 356       | 27           |
| 30/05/24 09:15 | 3           | 13                       | 16                       | 0                        | 18.3       | 62        | 3.6         | 354       | 31           |
| 30/05/24 09:20 | 3           | 13                       | 16                       | 0                        | 18.4       | 61        | 3.7         | 357       | 26           |
| 30/05/24 09:25 | 4           | 13                       | 17                       | 0                        | 18.4       | 61        | 4.6         | 358       | 26           |
| 30/05/24 09:30 | 4           | 14                       | 18                       | 0                        | 18.5       | 61        | 3.2         | 7         | 27           |
| 30/05/24 09:35 | 4           | 14                       | 18                       | 0                        | 18.6       | 60        | 3.9         | 358       | 22           |
| 30/05/24 09:40 | 4           | 13                       | 17                       | 0                        | 18.7       | 60        | 2.6         | 334       | 43           |
| 30/05/24 09:45 | 4           | 12                       | 16                       | 0                        | 18.9       | 59        | 4.0         | 333       | 26           |
| 30/05/24 09:50 | 3           | 10                       | 14                       | 0                        | 19.0       | 59        | 4.6         | 310       | 24           |
| 30/05/24 09:55 | 3           | 8                        | 11                       | 0                        | 19.2       | 59        | 5.0         | 311       | 24           |
| 30/05/24 10:00 | 3           | 7                        | 10                       | 1                        | 19.3       | 58        | 5.9         | 310       | 20           |
| 30/05/24 10:05 | 3           | 7                        | 10                       | 1                        | 19.3       | 58        | 5.1         | 313       | 22           |
| 30/05/24 10:10 | 2           | 7                        | 10                       | 0                        | 19.4       | 58        | 4.7         | 323       | 30           |
| 30/05/24 10:15 | 2           | 7                        | 10                       | 0                        | 19.4       | 58        | 4.1         | 324       | 25           |
| 30/05/24 10:20 | 2           | 7                        | 10                       | 0                        | 19.5       | 57        | 4.2         | 325       | 28           |
| 30/05/24 10:25 | 2           | 7                        | 10                       | 0                        | 19.5       | 57        | 3.7         | 321       | 25           |
| 30/05/24 10:30 | 2           | 8                        | 10                       | 0                        | 19.6       | 57        | 3.1         | 336       | 37           |
| 30/05/24 10:35 | 2           | 8                        | 10                       | 0                        | 19.7       | 57        | 4.3         | 350       | 30           |
| 30/05/24 10:40 | 3           | 8                        | 11                       | 0                        | 19.6       | 57        | 3.9         | 1         | 25           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 30/05/24 10:45 | 3           | 11                       | 14                       | 0                        | 19.7       | 57        | 3.8         | 357       | 26           |
| 30/05/24 10:50 | 3           | 11                       | 14                       | 0                        | 19.8       | 56        | 4.6         | 358       | 25           |
| 30/05/24 10:55 | 3           | 11                       | 14                       | 0                        | 19.8       | 56        | 4.5         | 358       | 25           |
| 30/05/24 11:00 | 4           | 11                       | 15                       | 0                        | 19.9       | 56        | 4.7         | 6         | 24           |
| 30/05/24 11:05 | 4           | 11                       | 15                       | 0                        | 19.8       | 56        | 4.2         | 6         | 28           |
| 30/05/24 11:10 | 5           | 12                       | 16                       | 0                        | 19.9       | 56        | 4.9         | 6         | 21           |
| 30/05/24 11:15 | 5           | 12                       | 17                       | 0                        | 19.8       | 57        | 3.6         | 358       | 35           |
| 30/05/24 11:20 | 5           | 13                       | 17                       | 0                        | 19.8       | 57        | 4.8         | 359       | 22           |
| 30/05/24 11:25 | 5           | 13                       | 18                       | 0                        | 19.8       | 56        | 3.8         | 3         | 27           |
| 30/05/24 11:30 | 5           | 13                       | 18                       | 0                        | 19.7       | 56        | 3.1         | 3         | 34           |
| 30/05/24 11:35 | 5           | 13                       | 18                       | 0                        | 19.7       | 56        | 3.4         | 345       | 32           |
| 30/05/24 11:40 | 4           | 13                       | 17                       | 0                        | 19.8       | 56        | 3.1         | 346       | 37           |
| 30/05/24 11:45 | 4           | 12                       | 17                       | 0                        | 19.8       | 56        | 3.2         | 340       | 33           |
| 30/05/24 11:50 | 4           | 13                       | 17                       | 0                        | 19.8       | 56        | 3.7         | 356       | 29           |
| 30/05/24 11:55 | 4           | 14                       | 18                       | 0                        | 19.8       | 56        | 2.6         | 349       | 40           |
| 30/05/24 12:00 | 5           | 15                       | 19                       | 0                        | 19.8       | 56        | 2.4         | 327       | 35           |
| 30/05/24 12:05 | 5           | 15                       | 19                       | 0                        | 19.8       | 56        | 2.8         | 331       | 34           |
| 30/05/24 12:10 | 4           | 15                       | 19                       | 0                        | 19.9       | 56        | 2.4         | 321       | 35           |
| 30/05/24 12:15 | 4           | 14                       | 18                       | 0                        | 19.9       | 56        | 3.0         | 337       | 35           |
| 30/05/24 12:20 | 4           | 14                       | 18                       | 0                        | 20.0       | 55        | 3.2         | 348       | 33           |
| 30/05/24 12:25 | 4           | 14                       | 18                       | 0                        | 20.1       | 55        | 3.5         | 0         | 35           |
| 30/05/24 12:30 | 4           | 14                       | 19                       | 0                        | 20.2       | 55        | 3.0         | 3         | 36           |
| 30/05/24 12:35 | 5           | 14                       | 19                       | 0                        | 20.2       | 55        | 4.4         | 6         | 26           |
| 30/05/24 12:40 | 5           | 14                       | 19                       | 0                        | 20.3       | 54        | 4.1         | 9         | 24           |
| 30/05/24 12:45 | 5           | 14                       | 19                       | 0                        | 20.3       | 54        | 4.6         | 4         | 26           |
| 30/05/24 12:50 | 5           | 13                       | 18                       | 0                        | 20.5       | 54        | 4.7         | 10        | 20           |
| 30/05/24 12:55 | 4           | 13                       | 17                       | 0                        | 20.4       | 54        | 5.3         | 15        | 20           |
| 30/05/24 13:00 | 4           | 12                       | 16                       | 0                        | 20.5       | 54        | 4.4         | 19        | 23           |
| 30/05/24 13:05 | 4           | 12                       | 16                       | 0                        | 20.5       | 54        | 3.8         | 11        | 24           |
| 30/05/24 13:10 | 4           | 11                       | 15                       | 0                        | 20.6       | 53        | 4.5         | 358       | 25           |
| 30/05/24 13:15 | 3           | 11                       | 14                       | 0                        | 20.6       | 53        | 5.1         | 7         | 18           |
| 30/05/24 13:20 | 3           | 10                       | 13                       | 0                        | 20.6       | 53        | 4.8         | 12        | 23           |
| 30/05/24 13:25 | 3           | 10                       | 13                       | 0                        | 20.8       | 53        | 3.9         | 16        | 28           |
| 30/05/24 13:30 | 3           | 10                       | 13                       | 1                        | 20.7       | 53        | 3.8         | 13        | 19           |
| 30/05/24 13:35 | 3           | 10                       | 13                       | 1                        | 20.8       | 53        | 4.2         | 9         | 24           |
| 30/05/24 13:40 | 3           | 10                       | 13                       | 0                        | 20.8       | 52        | 4.9         | 10        | 20           |
| 30/05/24 13:45 | 3           | 10                       | 14                       | 0                        | 21.0       | 52        | 4.4         | 6         | 27           |
| 30/05/24 13:50 | 4           | 11                       | 14                       | 0                        | 21.0       | 52        | 4.3         | 14        | 21           |
| 30/05/24 13:55 | 3           | 11                       | 14                       | 0                        | 21.1       | 52        | 4.4         | 9         | 26           |
| 30/05/24 14:00 | 3           | 10                       | 14                       | 0                        | 21.2       | 51        | 4.9         | 12        | 24           |
| 30/05/24 14:05 | 3           | 10                       | 13                       | 0                        | 21.2       | 51        | 4.4         | 7         | 27           |
| 30/05/24 14:10 | 3           | 9                        | 12                       | 0                        | 21.2       | 51        | 5.7         | 2         | 22           |
| 30/05/24 14:15 | 3           | 9                        | 12                       | 0                        | 21.2       | 51        | 5.8         | 10        | 19           |
| 30/05/24 14:20 | 3           | 9                        | 11                       | 0                        | 21.3       | 51        | 4.8         | 4         | 27           |
| 30/05/24 14:25 | 2           | 9                        | 11                       | 0                        | 21.3       | 51        | 4.4         | 5         | 26           |
| 30/05/24 14:30 | 2           | 9                        | 12                       | 0                        | 21.3       | 51        | 3.6         | 359       | 30           |
| 30/05/24 14:35 | 2           | 10                       | 12                       | 0                        | 21.3       | 51        | 4.0         | 355       | 30           |
| 30/05/24 14:40 | 2           | 10                       | 13                       | 0                        | 21.3       | 50        | 4.5         | 2         | 23           |
| 30/05/24 14:45 | 2           | 11                       | 13                       | 0                        | 21.3       | 51        | 4.8         | 4         | 20           |
| 30/05/24 14:50 | 2           | 12                       | 14                       | 0                        | 21.3       | 51        | 4.1         | 359       | 25           |
| 30/05/24 14:55 | 2           | 13                       | 15                       | 0                        | 21.2       | 51        | 4.2         | 5         | 29           |
| 30/05/24 15:00 | 2           | 13                       | 16                       | 0                        | 21.2       | 51        | 3.8         | 349       | 33           |
| 30/05/24 15:05 | 2           | 14                       | 16                       | 0                        | 21.1       | 51        | 4.2         | 360       | 29           |
| 30/05/24 15:10 | 2           | 14                       | 16                       | 0                        | 21.1       | 52        | 4.0         | 4         | 20           |
| 30/05/24 15:15 | 2           | 14                       | 17                       | 0                        | 21.1       | 52        | 2.9         | 345       | 32           |
| 30/05/24 15:20 | 2           | 15                       | 17                       | 0                        | 21.1       | 52        | 3.5         | 2         | 28           |
| 30/05/24 15:25 | 2           | 14                       | 16                       | 0                        | 21.1       | 52        | 3.8         | 348       | 34           |
| 30/05/24 15:30 | 2           | 14                       | 16                       | 0                        | 21.2       | 52        | 2.5         | 328       | 38           |
| 30/05/24 15:35 | 2           | 13                       | 14                       | 0                        | 21.0       | 52        | 3.9         | 335       | 31           |
| 30/05/24 15:40 | 1           | 11                       | 12                       | 0                        | 21.1       | 53        | 4.5         | 310       | 26           |
| 30/05/24 15:45 | 1           | 9                        | 10                       | 0                        | 21.1       | 54        | 4.4         | 316       | 23           |
| 30/05/24 15:50 | 1           | 7                        | 8                        | 0                        | 20.9       | 54        | 3.8         | 341       | 32           |
| 30/05/24 15:55 | 1           | 7                        | 8                        | 0                        | 20.9       | 55        | 4.2         | 346       | 30           |
| 30/05/24 16:00 | 1           | 7                        | 8                        | 0                        | 20.6       | 57        | 3.9         | 332       | 32           |
| 30/05/24 16:05 | 1           | 6                        | 7                        | 0                        | 20.5       | 58        | 3.1         | 334       | 34           |
| 30/05/24 16:10 | 1           | 6                        | 7                        | 0                        | 20.4       | 59        | 5.0         | 333       | 26           |
| 30/05/24 16:15 | 1           | 6                        | 6                        | 0                        | 20.2       | 60        | 3.4         | 321       | 32           |
| 30/05/24 16:20 | 1           | 6                        | 7                        | 0                        | 20.1       | 60        | 2.5         | 357       | 38           |
| 30/05/24 16:25 | 1           | 7                        | 8                        | 0                        | 20.1       | 61        | 4.1         | 346       | 28           |
| 30/05/24 16:30 | 1           | 7                        | 8                        | 0                        | 19.8       | 63        | 3.1         | 339       | 35           |
| 30/05/24 16:35 | 1           | 8                        | 8                        | 0                        | 19.6       | 65        | 3.0         | 357       | 37           |
| 30/05/24 16:40 | 1           | 8                        | 8                        | 0                        | 19.2       | 68        | 3.7         | 329       | 27           |
| 30/05/24 16:45 | 0           | 8                        | 8                        | 0                        | 19.0       | 70        | 2.7         | 349       | 33           |
| 30/05/24 16:50 | 0           | 8                        | 8                        | 0                        | 18.8       | 72        | 4.0         | 357       | 26           |
| 30/05/24 16:55 | 0           | 9                        | 9                        | 0                        | 18.5       | 74        | 3.1         | 11        | 24           |
| 30/05/24 17:00 | 1           | 10                       | 10                       | 0                        | 18.3       | 76        | 3.4         | 2         | 26           |
| 30/05/24 17:05 | 1           | 10                       | 10                       | 0                        | 18.0       | 77        | 4.1         | 9         | 19           |
| 30/05/24 17:10 | 1           | 10                       | 10                       | 0                        | 17.9       | 79        | 2.8         | 4         | 32           |
| 30/05/24 17:15 | 1           | 10                       | 11                       | 0                        | 17.8       | 80        | 4.3         | 7         | 19           |
| 30/05/24 17:20 | 1           | 10                       | 11                       | 0                        | 17.7       | 81        | 3.3         | 2         | 28           |
| 30/05/24 17:25 | 1           | 10                       | 11                       | 0                        | 17.4       | 82        | 2.6         | 358       | 29           |
| 30/05/24 17:30 | 1           | 11                       | 11                       | 0                        | 17.4       | 83        | 3.0         | 359       | 20           |
| 30/05/24 17:35 | 1           | 11                       | 12                       | 0                        | 17.3       | 83        | 2.9         | 2         | 29           |
| 30/05/24 17:40 | 1           | 12                       | 12                       | 0                        | 17.3       | 84        | 3.2         | 359       | 32           |
| 30/05/24 17:45 | 1           | 12                       | 13                       | 0                        | 17.3       | 85        | 2.3         | 356       | 34           |
| 30/05/24 17:50 | 1           | 12                       | 13                       | 0                        | 17.2       | 86        | 2.9         | 355       | 29           |
| 30/05/24 17:55 | 1           | 13                       | 13                       | 0                        | 17.0       | 86        | 2.3         | 355       | 34           |
| 30/05/24 18:00 | 1           | 13                       | 13                       | 0                        | 16.9       | 87        | 3.3         | 0         | 28           |
| 30/05/24 18:05 | 1           | 12                       | 13                       | 0                        | 17.0       | 88        | 2.9         | 356       | 26           |
| 30/05/24 18:10 | 1           | 12                       | 13                       | 0                        | 16.9       | 88        | 2.5         | 358       | 27           |
| 30/05/24 18:15 | 1           | 12                       | 13                       | 0                        | 16.9       | 88        | 2.6         | 6         | 26           |
| 30/05/24 18:20 | 1           | 12                       | 13                       | 0                        | 16.9       | 88        | 3.2         | 356       | 22           |
| 30/05/24 18:25 | 1           | 12                       | 13                       | 0                        | 16.9       | 88        | 2.9         | 4         | 18           |
| 30/05/24 18:30 | 1           | 13                       | 14                       | 0                        | 16.8       | 89        | 3.0         | 359       | 30           |
| 30/05/24 18:35 | 1           | 13                       | 14                       | 0                        | 16.8       | 89        | 1.5         | 324       | 39           |
| 30/05/24 18:40 | 1           | 12                       | 13                       | 0                        | 16.8       | 89        | 2.6         | 324       | 25           |
| 30/05/24 18:45 | 1           | 12                       | 13                       | 0                        | 16.8       | 89        | 2.5         | 332       | 19           |
| 30/05/24 18:50 | 1           | 11                       | 12                       | 0                        | 16.8       | 89        | 2.6         | 324       | 25           |
| 30/05/24 18:55 | 1           | 11                       | 11                       | 0                        | 16.8       | 89        | 2.0         | 320       | 26           |
| 30/05/24 19:00 | 1           | 10                       | 11                       | 0                        | 16.7       | 89        | 2.2         | 337       | 29           |
| 30/05/24 19:05 | 1           | 10                       | 11                       | 0                        | 16.8       | 90        | 2.0         | 351       | 28           |
| 30/05/24 19:10 | 1           | 11                       | 11                       | 0                        | 16.6       | 91        | 2.0         | 13        | 24           |
| 30/05/24 19:15 | 1           | 12                       | 12                       | 0                        | 16.6       | 91        | 2.1         | 13        | 24           |
| 30/05/24 19:20 | 1           | 12                       | 13                       | 0                        | 16.6       | 91        | 2.5         | 28        | 22           |
| 30/05/24 19:25 | 1           | 11                       | 12                       | 0                        | 16.6       | 91        | 3.5         | 25        | 20           |
| 30/05/24 19:30 | 1           | 10                       | 11                       | 0                        | 16.7       | 91        | 3.0         | 13        | 25           |

Station Pier Ambient Air Quality Monitoring

May 2024

5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 30/05/24 19:35 | 0           | 9                        | 10                       | 0                        | 16.7       | 91        | 2.9         | 20        | 23           |
| 30/05/24 19:40 | 0           | 9                        | 9                        | 0                        | 16.8       | 90        | 4.2         | 21        | 20           |
| 30/05/24 19:45 | 0           | 8                        | 8                        | 0                        | 16.9       | 89        | 4.4         | 24        | 19           |
| 30/05/24 19:50 | 0           | 7                        | 8                        | 0                        | 17.0       | 89        | 4.7         | 29        | 19           |
| 30/05/24 19:55 | 0           | 7                        | 7                        | 0                        | 17.0       | 88        | 4.7         | 26        | 18           |
| 30/05/24 20:00 | 0           | 6                        | 7                        | 0                        | 17.1       | 87        | 4.4         | 3         | 25           |
| 30/05/24 20:05 | 0           | 6                        | 6                        | 0                        | 17.3       | 86        | 3.7         | 359       | 25           |
| 30/05/24 20:10 | 0           | 6                        | 7                        | 0                        | 17.4       | 85        | 2.8         | 342       | 33           |
| 30/05/24 20:15 | 0           | 7                        | 8                        | 0                        | 17.4       | 85        | 2.1         | 348       | 32           |
| 30/05/24 20:20 | 0           | 7                        | 8                        | 0                        | 17.3       | 84        | 2.1         | 337       | 39           |
| 30/05/24 20:25 | 0           | 7                        | 8                        | 0                        | 17.5       | 84        | 2.5         | 323       | 31           |
| 30/05/24 20:30 | 0           | 7                        | 8                        | 0                        | 17.6       | 83        | 2.6         | 341       | 28           |
| 30/05/24 20:35 | 0           | 7                        | 8                        | 0                        | 17.7       | 82        | 3.8         | 355       | 21           |
| 30/05/24 20:40 | 0           | 7                        | 8                        | 0                        | 17.7       | 81        | 3.0         | 358       | 27           |
| 30/05/24 20:45 | 0           | 7                        | 7                        | 0                        | 17.7       | 80        | 3.0         | 352       | 30           |
| 30/05/24 20:50 | 0           | 7                        | 8                        | 0                        | 17.8       | 80        | 3.8         | 360       | 19           |
| 30/05/24 20:55 | 0           | 7                        | 7                        | 0                        | 17.8       | 80        | 2.6         | 0         | 29           |
| 30/05/24 21:00 | 0           | 7                        | 7                        | 0                        | 17.8       | 80        | 3.2         | 0         | 29           |
| 30/05/24 21:05 | 0           | 7                        | 7                        | 0                        | 17.9       | 79        | 3.1         | 357       | 28           |
| 30/05/24 21:10 | 0           | 7                        | 7                        | 0                        | 17.9       | 79        | 2.5         | 359       | 27           |
| 30/05/24 21:15 | 0           | 7                        | 7                        | 0                        | 17.9       | 78        | 1.9         | 340       | 36           |
| 30/05/24 21:20 | 0           | 6                        | 7                        | 0                        | 18.0       | 76        | 2.8         | 328       | 28           |
| 30/05/24 21:25 | 0           | 6                        | 6                        | 0                        | 18.2       | 76        | 2.4         | 340       | 37           |
| 30/05/24 21:30 | 0           | 6                        | 7                        | 0                        | 18.2       | 76        | 2.5         | 347       | 37           |
| 30/05/24 21:35 | 0           | 6                        | 7                        | 0                        | 18.2       | 75        | 2.5         | 335       | 33           |
| 30/05/24 21:40 | 0           | 6                        | 6                        | 0                        | 18.2       | 76        | 1.7         | 342       | 41           |
| 30/05/24 21:45 | 0           | 6                        | 6                        | 0                        | 18.2       | 76        | 1.3         | 327       | 47           |
| 30/05/24 21:50 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 1.8         | 329       | 40           |
| 30/05/24 21:55 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 2.6         | 334       | 29           |
| 30/05/24 22:00 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 1.9         | 327       | 31           |
| 30/05/24 22:05 | 0           | 5                        | 6                        | 0                        | 18.1       | 76        | 1.8         | 328       | 36           |
| 30/05/24 22:10 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 2.7         | 323       | 24           |
| 30/05/24 22:15 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 2.9         | 326       | 29           |
| 30/05/24 22:20 | 0           | 6                        | 6                        | 0                        | 18.2       | 76        | 2.4         | 337       | 29           |
| 30/05/24 22:25 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 2.8         | 322       | 26           |
| 30/05/24 22:30 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 2.4         | 320       | 26           |
| 30/05/24 22:35 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 2.2         | 326       | 33           |
| 30/05/24 22:40 | 0           | 6                        | 6                        | 0                        | 18.2       | 75        | 2.1         | 324       | 31           |
| 30/05/24 22:45 | 0           | 5                        | 6                        | 0                        | 18.2       | 76        | 2.2         | 317       | 27           |
| 30/05/24 22:50 | 0           | 5                        | 5                        | 0                        | 18.3       | 75        | 2.7         | 326       | 21           |
| 30/05/24 22:55 | 0           | 5                        | 5                        | 0                        | 18.2       | 76        | 1.3         | 333       | 35           |
| 30/05/24 23:00 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 1.9         | 340       | 26           |
| 30/05/24 23:05 | 0           | 6                        | 6                        | 0                        | 18.1       | 76        | 1.3         | 351       | 39           |
| 30/05/24 23:10 | 0           | 6                        | 6                        | 0                        | 18.1       | 77        | 1.2         | 344       | 37           |
| 30/05/24 23:15 | 0           | 6                        | 6                        | 0                        | 17.9       | 77        | 1.2         | 322       | 30           |
| 30/05/24 23:20 | 0           | 6                        | 7                        | 0                        | 18.0       | 76        | 1.7         | 322       | 29           |
| 30/05/24 23:25 | 0           | 7                        | 7                        | 0                        | 18.0       | 76        | 1.4         | 311       | 30           |
| 30/05/24 23:30 | 0           | 7                        | 7                        | 0                        | 18.1       | 75        | 2.3         | 310       | 17           |
| 30/05/24 23:35 | 0           | 7                        | 7                        | 0                        | 18.2       | 74        | 2.2         | 308       | 18           |
| 30/05/24 23:40 | 0           | 7                        | 8                        | 0                        | 18.3       | 73        | 3.0         | 305       | 14           |
| 30/05/24 23:45 | 0           | 8                        | 8                        | 0                        | 18.5       | 72        | 2.5         | 307       | 19           |
| 30/05/24 23:50 | 0           | 8                        | 8                        |                          | 18.5       | 71        | 3.1         | 306       | 17           |
| 30/05/24 23:55 | 0           | 8                        | 8                        |                          | 18.6       | 70        | 3.1         | 302       | 17           |
| 31/05/24 00:00 | 0           | 7                        | 8                        | 0                        | 18.6       | 70        | 2.3         | 305       | 19           |
| 31/05/24 00:05 | 0           | 7                        | 7                        | 0                        | 18.5       | 70        | 2.9         | 305       | 14           |
| 31/05/24 00:10 | 0           | 7                        | 7                        | 1                        | 18.5       | 70        | 2.8         | 309       | 13           |
| 31/05/24 00:15 | 0           | 8                        | 8                        | 1                        | 18.5       | 69        | 2.9         | 298       | 12           |
| 31/05/24 00:20 | 0           | 8                        | 8                        | 1                        | 18.4       | 70        | 2.7         | 291       | 16           |
| 31/05/24 00:25 | 0           | 8                        | 8                        | 1                        | 18.3       | 69        | 4.3         | 294       | 15           |
| 31/05/24 00:30 | 0           | 7                        | 7                        | 1                        | 18.2       | 68        | 3.7         | 290       | 13           |
| 31/05/24 00:35 | 0           | 6                        | 6                        | 1                        | 18.1       | 66        | 4.7         | 285       | 13           |
| 31/05/24 00:40 | 0           | 5                        | 5                        | 1                        | 18.1       | 64        | 4.7         | 286       | 13           |
| 31/05/24 00:45 | 0           | 5                        | 5                        | 1                        | 17.9       | 64        | 4.7         | 285       | 13           |
| 31/05/24 00:50 | 0           | 5                        | 5                        | 1                        | 17.7       | 64        | 4.4         | 285       | 13           |
| 31/05/24 00:55 | 0           | 5                        | 5                        | 1                        | 17.7       | 64        | 4.7         | 282       | 13           |
| 31/05/24 01:00 | 0           | 6                        | 6                        | 1                        | 17.7       | 64        | 4.3         | 283       | 13           |
| 31/05/24 01:05 |             |                          |                          |                          | 17.5       | 64        | 4.7         | 282       | 14           |
| 31/05/24 01:10 |             |                          |                          |                          | 17.6       | 64        | 4.0         | 280       | 13           |
| 31/05/24 01:15 |             |                          |                          |                          | 17.3       | 64        | 4.2         | 287       | 13           |
| 31/05/24 01:20 |             |                          |                          |                          | 17.2       | 64        | 3.6         | 290       | 13           |
| 31/05/24 01:25 |             |                          |                          |                          | 17.2       | 63        | 3.9         | 295       | 13           |
| 31/05/24 01:30 |             |                          |                          |                          | 17.2       | 61        | 3.7         | 303       | 16           |
| 31/05/24 01:35 |             |                          |                          |                          | 17.1       | 60        | 4.0         | 296       | 13           |
| 31/05/24 01:40 |             |                          |                          |                          | 17.1       | 58        | 4.2         | 294       | 17           |
| 31/05/24 01:45 |             |                          |                          |                          | 17.1       | 58        | 4.2         | 286       | 13           |
| 31/05/24 01:50 |             |                          |                          |                          | 16.9       | 57        | 4.8         | 283       | 11           |
| 31/05/24 01:55 |             |                          |                          |                          | 16.7       | 57        | 5.0         | 284       | 12           |
| 31/05/24 02:00 |             |                          |                          |                          | 16.6       | 57        | 4.6         | 284       | 13           |
| 31/05/24 02:05 | 0           | 6                        | 6                        |                          | 16.5       | 57        | 4.1         | 284       | 16           |
| 31/05/24 02:10 | 0           | 6                        | 7                        |                          | 16.5       | 57        | 4.1         | 292       | 14           |
| 31/05/24 02:15 | 0           | 6                        | 7                        |                          | 16.4       | 58        | 4.2         | 295       | 18           |
| 31/05/24 02:20 | 0           | 6                        | 6                        |                          | 16.4       | 58        | 3.8         | 301       | 14           |
| 31/05/24 02:25 | 0           | 6                        | 6                        |                          | 16.5       | 57        | 3.5         | 306       | 17           |
| 31/05/24 02:30 | 1           | 13                       | 14                       | 0                        | 16.5       | 57        | 3.5         | 311       | 17           |
| 31/05/24 02:35 | 2           | 24                       | 26                       | 0                        | 16.3       | 59        | 3.0         | 309       | 18           |
| 31/05/24 02:40 | 4           | 27                       | 30                       | 0                        | 16.3       | 59        | 2.6         | 315       | 19           |
| 31/05/24 02:45 | 3           | 16                       | 20                       | 0                        | 16.3       | 60        | 2.0         | 315       | 26           |
| 31/05/24 02:50 | 1           | 7                        | 9                        | 0                        | 16.2       | 60        | 2.1         | 322       | 24           |
| 31/05/24 02:55 | 1           | 5                        | 6                        | 0                        | 16.1       | 61        | 1.9         | 342       | 35           |
| 31/05/24 03:00 | 1           | 6                        | 7                        | 0                        | 15.9       | 62        | 2.1         | 2         | 22           |
| 31/05/24 03:05 | 1           | 7                        | 7                        | 0                        | 15.8       | 63        | 2.4         | 1         | 25           |
| 31/05/24 03:10 | 0           | 7                        | 8                        | 0                        | 15.7       | 64        | 2.1         | 358       | 26           |
| 31/05/24 03:15 | 0           | 8                        | 8                        | 0                        | 15.7       | 64        | 1.4         | 339       | 41           |
| 31/05/24 03:20 | 0           | 7                        | 8                        | 0                        | 15.8       | 64        | 2.4         | 1         | 27           |
| 31/05/24 03:25 | 0           | 7                        | 8                        | 0                        | 15.8       | 64        | 2.3         | 355       | 32           |
| 31/05/24 03:30 | 0           | 7                        | 7                        | 0                        | 15.9       | 64        | 2.6         | 352       | 25           |
| 31/05/24 03:35 | 0           | 7                        | 7                        | 0                        | 16.0       | 64        | 2.2         | 334       | 28           |
| 31/05/24 03:40 | 0           | 6                        | 7                        | 0                        | 16.1       | 64        | 2.1         | 352       | 32           |
| 31/05/24 03:45 | 0           | 6                        | 6                        | 0                        | 16.1       | 64        | 1.6         | 353       | 38           |
| 31/05/24 03:50 | 0           | 6                        | 6                        | 0                        | 16.2       | 63        | 1.9         | 325       | 36           |
| 31/05/24 03:55 | 0           | 6                        | 6                        | 0                        | 16.2       | 63        | 2.0         | 330       | 27           |
| 31/05/24 04:00 | 0           | 6                        | 6                        | 0                        | 16.2       | 63        | 2.2         | 340       | 33           |
| 31/05/24 04:05 | 0           | 6                        | 6                        | 0                        | 16.2       | 63        | 1.8         | 349       | 33           |
| 31/05/24 04:10 | 0           | 6                        | 6                        | 0                        | 16.2       | 63        | 2.0         | 344       | 33           |
| 31/05/24 04:15 | 0           | 6                        | 5                        | 0                        | 16.2       | 63        | 2.3         | 359       | 27           |
| 31/05/24 04:20 | 0           | 5                        | 5                        | 0                        | 16.2       | 64        | 2.0         | 1         | 25           |

Station Pier Ambient Air Quality Monitoring  
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5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 31/05/24 04:25 | 0           | 5                        | 5                        | 0                        | 16.2       | 64        | 2.5         | 359       | 33           |
| 31/05/24 04:30 | 0           | 5                        | 5                        | 0                        | 16.2       | 64        | 2.5         | 352       | 31           |
| 31/05/24 04:35 | 0           | 5                        | 5                        | 0                        | 16.2       | 64        | 2.9         | 359       | 20           |
| 31/05/24 04:40 | 0           | 5                        | 5                        | 0                        | 16.3       | 64        | 2.8         | 2         | 26           |
| 31/05/24 04:45 | 0           | 6                        | 6                        | 0                        | 16.3       | 64        | 3.0         | 2         | 20           |
| 31/05/24 04:50 | 0           | 6                        | 6                        | 0                        | 16.3       | 64        | 3.4         | 10        | 19           |
| 31/05/24 04:55 | 0           | 7                        | 7                        | 0                        | 16.3       | 64        | 3.0         | 2         | 27           |
| 31/05/24 05:00 | 0           | 7                        | 7                        | 0                        | 16.3       | 64        | 2.5         | 3         | 22           |
| 31/05/24 05:05 | 0           | 7                        | 7                        | 0                        | 16.3       | 64        | 2.9         | 2         | 24           |
| 31/05/24 05:10 | 0           | 7                        | 7                        | 0                        | 16.3       | 64        | 2.7         | 0         | 30           |
| 31/05/24 05:15 | 0           | 8                        | 8                        | 0                        | 16.2       | 64        | 3.3         | 1         | 16           |
| 31/05/24 05:20 | 0           | 8                        | 9                        | 0                        | 16.2       | 64        | 1.5         | 347       | 35           |
| 31/05/24 05:25 | 0           | 9                        | 9                        | 0                        | 16.2       | 64        | 2.3         | 347       | 21           |
| 31/05/24 05:30 | 1           | 9                        | 10                       | 0                        | 16.2       | 64        | 2.1         | 346       | 33           |
| 31/05/24 05:35 | 1           | 10                       | 11                       | 0                        | 16.2       | 64        | 1.8         | 333       | 32           |
| 31/05/24 05:40 | 0           | 10                       | 11                       | 0                        | 16.2       | 63        | 2.1         | 321       | 26           |
| 31/05/24 05:45 | 0           | 10                       | 11                       | 0                        | 16.2       | 63        | 2.2         | 330       | 32           |
| 31/05/24 05:50 | 0           | 10                       | 10                       | 0                        | 16.3       | 63        | 2.1         | 328       | 31           |
| 31/05/24 05:55 | 0           | 10                       | 11                       | 0                        | 16.3       | 63        | 2.3         | 321       | 31           |
| 31/05/24 06:00 | 0           | 11                       | 11                       | 0                        | 16.3       | 63        | 2.9         | 325       | 24           |
| 31/05/24 06:05 | 0           | 11                       | 12                       | 0                        | 16.2       | 63        | 2.3         | 337       | 27           |
| 31/05/24 06:10 | 1           | 11                       | 12                       | 0                        | 16.2       | 63        | 2.0         | 336       | 30           |
| 31/05/24 06:15 | 1           | 12                       | 13                       | 0                        | 16.1       | 63        | 2.5         | 353       | 23           |
| 31/05/24 06:20 | 1           | 12                       | 13                       | 0                        | 16.2       | 63        | 2.3         | 346       | 28           |
| 31/05/24 06:25 | 1           | 13                       | 13                       | 0                        | 16.0       | 63        | 2.6         | 355       | 25           |
| 31/05/24 06:30 | 1           | 13                       | 14                       | 0                        | 16.1       | 63        | 1.9         | 350       | 26           |
| 31/05/24 06:35 | 1           | 14                       | 15                       | 0                        | 16.0       | 63        | 1.6         | 353       | 39           |
| 31/05/24 06:40 | 1           | 15                       | 16                       | 0                        | 16.0       | 62        | 3.0         | 6         | 19           |
| 31/05/24 06:45 | 1           | 16                       | 18                       | 0                        | 16.0       | 62        | 3.3         | 2         | 18           |
| 31/05/24 06:50 | 2           | 18                       | 19                       | 0                        | 16.0       | 62        | 3.0         | 357       | 24           |
| 31/05/24 06:55 | 3           | 20                       | 22                       | 0                        | 15.9       | 62        | 3.4         | 3         | 25           |
| 31/05/24 07:00 | 3           | 20                       | 23                       | 0                        | 15.9       | 62        | 3.3         | 356       | 21           |
| 31/05/24 07:05 | 3           | 22                       | 26                       | 0                        | 15.9       | 63        | 2.5         | 345       | 28           |
| 31/05/24 07:10 | 3           | 22                       | 25                       | 0                        | 15.8       | 62        | 2.3         | 353       | 30           |
| 31/05/24 07:15 | 3           | 20                       | 23                       | 0                        | 15.8       | 62        | 2.3         | 337       | 35           |
| 31/05/24 07:20 | 3           | 19                       | 22                       | 0                        | 15.7       | 63        | 2.2         | 338       | 27           |
| 31/05/24 07:25 | 3           | 18                       | 21                       | 0                        | 15.7       | 62        | 2.9         | 335       | 23           |
| 31/05/24 07:30 | 2           | 18                       | 20                       | 0                        | 15.6       | 62        | 2.3         | 312       | 24           |
| 31/05/24 07:35 | 2           | 18                       | 20                       | 0                        | 15.6       | 62        | 3.0         | 326       | 27           |
| 31/05/24 07:40 | 2           | 17                       | 20                       | 0                        | 15.7       | 62        | 2.9         | 319       | 21           |
| 31/05/24 07:45 | 2           | 17                       | 20                       | 0                        | 15.6       | 62        | 2.4         | 327       | 30           |
| 31/05/24 07:50 | 2           | 17                       | 20                       | 0                        | 15.5       | 63        | 2.8         | 323       | 26           |
| 31/05/24 07:55 | 3           | 17                       | 20                       | 0                        | 15.5       | 63        | 3.1         | 328       | 25           |
| 31/05/24 08:00 | 3           | 17                       | 20                       | 0                        | 15.5       | 64        | 2.7         | 312       | 22           |
| 31/05/24 08:05 | 3           | 17                       | 21                       | 0                        | 15.5       | 63        | 2.7         | 321       | 26           |
| 31/05/24 08:10 | 3           | 18                       | 21                       | 0                        | 15.5       | 63        | 2.7         | 314       | 22           |
| 31/05/24 08:15 | 4           | 17                       | 21                       | 0                        | 15.6       | 63        | 3.2         | 325       | 24           |
| 31/05/24 08:20 | 4           | 17                       | 21                       | 0                        | 15.6       | 63        | 3.1         | 315       | 25           |
| 31/05/24 08:25 | 4           | 17                       | 21                       | 0                        | 15.6       | 63        | 2.6         | 314       | 27           |
| 31/05/24 08:30 | 5           | 17                       | 22                       | 0                        | 15.6       | 63        | 2.3         | 308       | 23           |
| 31/05/24 08:35 | 5           | 17                       | 23                       | 0                        | 15.6       | 62        | 2.7         | 319       | 20           |
| 31/05/24 08:40 | 6           | 17                       | 23                       | 0                        | 15.6       | 62        | 3.5         | 316       | 21           |
| 31/05/24 08:45 | 6           | 17                       | 23                       | 0                        | 15.8       | 61        | 2.7         | 325       | 26           |
| 31/05/24 08:50 | 6           | 17                       | 23                       | 0                        | 15.7       | 61        | 2.4         | 319       | 26           |
| 31/05/24 08:55 | 6           | 16                       | 22                       | 0                        | 15.8       | 60        | 3.1         | 330       | 22           |
| 31/05/24 09:00 | 6           | 15                       | 21                       | 0                        | 15.7       | 60        | 3.4         | 329       | 19           |
| 31/05/24 09:05 | 6           | 14                       | 20                       | 0                        | 15.8       | 61        | 2.6         | 333       | 29           |
| 31/05/24 09:10 | 5           | 14                       | 19                       | 0                        | 15.8       | 60        | 3.5         | 327       | 24           |
| 31/05/24 09:15 | 5           | 13                       | 18                       | 0                        | 15.9       | 60        | 3.8         | 327       | 25           |
| 31/05/24 09:20 | 5           | 12                       | 18                       | 0                        | 15.8       | 60        | 3.2         | 333       | 29           |
| 31/05/24 09:25 | 5           | 10                       | 15                       | 0                        | 15.9       | 60        | 3.1         | 329       | 28           |
| 31/05/24 09:30 | 4           | 10                       | 14                       | 0                        | 16.0       | 59        | 3.9         | 336       | 25           |
| 31/05/24 09:35 | 4           | 9                        | 13                       | 0                        | 16.1       | 58        | 3.8         | 324       | 21           |
| 31/05/24 09:40 | 4           | 8                        | 12                       | 0                        | 16.1       | 59        | 2.9         | 334       | 27           |
| 31/05/24 09:45 | 4           | 9                        | 13                       | 0                        | 16.2       | 58        | 3.1         | 332       | 26           |
| 31/05/24 09:50 | 4           | 9                        | 12                       | 0                        | 16.3       | 57        | 2.8         | 337       | 32           |
| 31/05/24 09:55 | 3           | 8                        | 12                       | 0                        | 16.3       | 57        | 3.6         | 315       | 26           |
| 31/05/24 10:00 | 3           | 8                        | 11                       | 0                        | 16.3       | 57        | 3.9         | 331       | 28           |
| 31/05/24 10:05 | 3           | 7                        | 11                       | 0                        | 16.2       | 57        | 2.9         | 322       | 23           |
| 31/05/24 10:10 | 3           | 8                        | 11                       | 0                        | 16.4       | 57        | 4.3         | 308       | 16           |
| 31/05/24 10:15 | 3           | 8                        | 11                       | 0                        | 16.4       | 56        | 3.6         | 320       | 23           |
| 31/05/24 10:20 | 3           | 8                        | 11                       | 0                        | 16.6       | 56        | 3.9         | 324       | 22           |
| 31/05/24 10:25 | 3           | 8                        | 11                       | 0                        | 16.5       | 56        | 4.5         | 306       | 16           |
| 31/05/24 10:30 | 4           | 8                        | 12                       | 0                        | 16.6       | 55        | 3.7         | 311       | 22           |
| 31/05/24 10:35 | 4           | 8                        | 12                       | 0                        | 16.7       | 55        | 5.1         | 304       | 22           |
| 31/05/24 10:40 | 4           | 8                        | 12                       | 0                        | 16.8       | 56        | 3.5         | 298       | 26           |
| 31/05/24 10:45 | 4           | 8                        | 12                       | 0                        | 16.8       | 54        | 3.7         | 292       | 18           |
| 31/05/24 10:50 | 4           | 8                        | 13                       | 0                        | 16.9       | 54        | 3.4         | 301       | 22           |
| 31/05/24 10:55 | 4           | 9                        | 13                       | 0                        | 17.0       | 55        | 3.4         | 303       | 20           |
| 31/05/24 11:00 | 4           | 9                        | 13                       | 0                        | 17.0       | 54        | 3.9         | 306       | 24           |
| 31/05/24 11:05 | 4           | 8                        | 13                       | 0                        | 17.1       | 51        | 3.9         | 290       | 15           |
| 31/05/24 11:10 | 4           | 8                        | 12                       | 0                        | 17.2       | 50        | 4.4         | 290       | 15           |
| 31/05/24 11:15 | 4           | 8                        | 11                       | 0                        | 17.2       | 53        | 4.2         | 301       | 18           |
| 31/05/24 11:20 | 4           | 7                        | 11                       | 0                        | 17.1       | 53        | 4.4         | 303       | 14           |
| 31/05/24 11:25 | 4           | 7                        | 11                       | 0                        | 17.1       | 53        | 4.8         | 303       | 15           |
| 31/05/24 11:30 | 4           | 7                        | 11                       | 0                        | 17.2       | 52        | 4.4         | 311       | 16           |
| 31/05/24 11:35 | 3           | 7                        | 11                       | 0                        | 17.3       | 50        | 4.1         | 313       | 18           |
| 31/05/24 11:40 | 3           | 7                        | 10                       | 0                        | 17.4       | 50        | 4.2         | 307       | 18           |
| 31/05/24 11:45 | 3           | 7                        | 10                       | 0                        | 17.5       | 51        | 4.3         | 282       | 14           |
| 31/05/24 11:50 | 3           | 7                        | 10                       | 0                        | 17.4       | 49        | 5.0         | 290       | 16           |
| 31/05/24 11:55 | 2           | 6                        | 9                        | 0                        | 17.4       | 48        | 5.6         | 296       | 14           |
| 31/05/24 12:00 | 2           | 5                        | 8                        | 0                        | 17.4       | 48        | 5.2         | 299       | 20           |
| 31/05/24 12:05 | 2           | 6                        | 8                        | 0                        | 17.4       | 47        | 5.0         | 295       | 14           |
| 31/05/24 12:10 | 2           | 5                        | 7                        | 0                        | 17.4       | 47        | 5.2         | 288       | 14           |
| 31/05/24 12:15 | 2           | 5                        | 7                        | 0                        | 17.5       | 47        | 4.2         | 283       | 17           |
| 31/05/24 12:20 | 2           | 6                        | 8                        | 0                        | 17.4       | 47        | 5.7         | 288       | 18           |
| 31/05/24 12:25 | 2           | 5                        | 7                        | 0                        | 17.4       | 48        | 5.3         | 280       | 16           |
| 31/05/24 12:30 | 2           | 6                        | 8                        | 0                        | 17.6       | 47        | 4.8         | 288       | 13           |
| 31/05/24 12:35 | 2           | 6                        | 8                        | 0                        | 17.6       | 46        | 5.6         | 289       | 16           |
| 31/05/24 12:40 | 2           | 6                        | 8                        | 0                        | 17.4       | 48        | 4.9         | 286       | 20           |
| 31/05/24 12:45 | 2           | 6                        | 8                        | 0                        | 17.5       | 46        | 6.8         | 289       | 14           |
| 31/05/24 12:50 | 2           | 5                        | 8                        | 0                        | 17.4       | 48        | 5.6         | 286       | 16           |
| 31/05/24 12:55 | 2           | 5                        | 7                        | 0                        | 17.5       | 47        | 6.0         | 284       | 14           |
| 31/05/24 13:00 | 2           | 6                        | 8                        | 0                        | 17.4       | 49        | 6.6         | 281       | 13           |
| 31/05/24 13:05 | 2           | 6                        | 8                        | 0                        | 17.4       | 47        | 6.2         | 286       | 13           |
| 31/05/24 13:10 | 3           | 6                        | 9                        | 0                        | 17.6       | 47        | 5.4         | 289       | 18           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 31/05/24 13:15 | 2           | 6                        | 8                        | 0                        | 17.5       | 46        | 5.5         | 288       | 15           |
| 31/05/24 13:20 | 2           | 6                        | 8                        | 0                        | 17.4       | 48        | 5.8         | 278       | 13           |
| 31/05/24 13:25 | 3           | 7                        | 10                       | 0                        | 17.7       | 47        | 5.7         | 294       | 15           |
| 31/05/24 13:30 | 3           | 6                        | 9                        | 0                        | 17.7       | 46        | 6.0         | 291       | 13           |
| 31/05/24 13:35 | 3           | 5                        | 7                        | 0                        | 17.6       | 47        | 5.9         | 286       | 13           |
| 31/05/24 13:40 | 2           | 4                        | 7                        | 0                        | 17.6       | 47        | 5.5         | 288       | 17           |
| 31/05/24 13:45 | 2           | 5                        | 7                        | 0                        | 17.6       | 48        | 5.7         | 285       | 13           |
| 31/05/24 13:50 | 2           | 5                        | 7                        | 0                        | 17.7       | 47        | 5.4         | 286       | 18           |
| 31/05/24 13:55 | 2           | 5                        | 7                        | 0                        | 18.1       | 45        | 4.2         | 290       | 20           |
| 31/05/24 14:00 | 2           | 5                        | 7                        | 0                        | 18.0       | 45        | 6.1         | 288       | 15           |
| 31/05/24 14:05 | 2           | 5                        | 7                        | 0                        | 18.0       | 45        | 4.8         | 296       | 18           |
| 31/05/24 14:10 | 2           | 5                        | 7                        | 0                        | 18.1       | 45        | 5.8         | 284       | 15           |
| 31/05/24 14:15 | 2           | 5                        | 7                        | 0                        | 17.9       | 45        | 5.5         | 286       | 14           |
| 31/05/24 14:20 | 2           | 5                        | 7                        | 0                        | 18.0       | 43        | 6.5         | 288       | 15           |
| 31/05/24 14:25 | 1           | 5                        | 6                        | 0                        | 18.1       | 44        | 4.4         | 292       | 17           |
| 31/05/24 14:30 | 1           | 5                        | 6                        | 0                        | 18.2       | 43        | 4.2         | 284       | 13           |
| 31/05/24 14:35 | 2           | 5                        | 7                        | 0                        | 18.0       | 45        | 6.1         | 277       | 11           |
| 31/05/24 14:40 | 2           | 6                        | 8                        | 0                        | 18.0       | 44        | 4.1         | 285       | 14           |
| 31/05/24 14:45 | 2           | 7                        | 9                        | 0                        | 18.0       | 44        | 4.6         | 291       | 17           |
| 31/05/24 14:50 | 2           | 7                        | 9                        | 0                        | 18.3       | 43        | 5.0         | 284       | 14           |
| 31/05/24 14:55 | 2           | 7                        | 10                       | 0                        | 18.3       | 43        | 6.2         | 285       | 15           |
| 31/05/24 15:00 | 2           | 7                        | 9                        | 0                        | 18.2       | 40        | 7.1         | 291       | 16           |
| 31/05/24 15:05 | 2           | 6                        | 8                        | 0                        | 18.0       | 43        | 6.2         | 289       | 13           |
| 31/05/24 15:10 | 2           | 6                        | 8                        | 0                        | 17.8       | 45        | 6.0         | 280       | 11           |
| 31/05/24 15:15 | 2           | 7                        | 9                        | 0                        | 17.7       | 46        | 5.0         | 281       | 13           |
| 31/05/24 15:20 | 2           | 8                        | 10                       | 0                        | 17.8       | 46        | 4.4         | 286       | 15           |
| 31/05/24 15:25 | 2           | 10                       | 12                       | 1                        | 17.9       | 47        | 4.4         | 284       | 16           |
| 31/05/24 15:30 | 3           | 11                       | 14                       | 1                        | 17.9       | 47        | 6.2         | 280       | 12           |
| 31/05/24 15:35 | 3           | 11                       | 14                       | 1                        | 17.8       | 47        | 4.9         | 280       | 14           |
| 31/05/24 15:40 | 3           | 12                       | 15                       | 1                        | 17.8       | 47        | 5.4         | 274       | 11           |
| 31/05/24 15:45 | 3           | 7                        | 10                       | 1                        | 17.7       | 48        | 6.1         | 274       | 10           |
| 31/05/24 15:50 | 3           | 6                        | 9                        | 0                        | 17.7       | 48        | 4.9         | 278       | 12           |
| 31/05/24 15:55 | 3           | 8                        | 11                       | 0                        | 17.7       | 47        | 6.5         | 256       | 19           |
| 31/05/24 16:00 | 2           | 5                        | 7                        | 0                        | 16.4       | 57        | 8.5         | 235       | 8            |
| 31/05/24 16:05 | 2           | 2                        | 4                        | 0                        | 15.9       | 59        | 8.5         | 238       | 5            |
| 31/05/24 16:10 | 1           | 2                        | 3                        | 0                        | 15.7       | 61        | 7.7         | 237       | 5            |
| 31/05/24 16:15 | 1           | 2                        | 3                        | 0                        | 15.5       | 63        | 7.5         | 233       | 4            |
| 31/05/24 16:20 | 1           | 2                        | 3                        | 0                        | 15.5       | 64        | 7.3         | 230       | 4            |
| 31/05/24 16:25 | 1           | 2                        | 3                        | 0                        | 15.4       | 66        | 6.9         | 228       | 4            |
| 31/05/24 16:30 | 1           | 2                        | 3                        | 0                        | 15.3       | 66        | 6.6         | 230       | 4            |
| 31/05/24 16:35 | 1           | 2                        | 2                        | 0                        | 15.4       | 63        | 6.8         | 236       | 4            |
| 31/05/24 16:40 | 1           | 2                        | 2                        | 0                        | 15.5       | 63        | 6.4         | 238       | 5            |
| 31/05/24 16:45 | 0           | 2                        | 3                        | 0                        | 15.4       | 62        | 6.2         | 241       | 5            |
| 31/05/24 16:50 | 0           | 2                        | 3                        | 0                        | 15.5       | 61        | 6.3         | 243       | 5            |
| 31/05/24 16:55 | 0           | 3                        | 3                        | 0                        | 15.3       | 61        | 6.0         | 243       | 6            |
| 31/05/24 17:00 | 0           | 4                        | 4                        | 0                        | 15.4       | 60        | 5.5         | 245       | 7            |
| 31/05/24 17:05 | 1           | 10                       | 10                       | 0                        | 15.4       | 60        | 5.6         | 256       | 7            |
| 31/05/24 17:10 | 1           | 14                       | 15                       | 0                        | 15.4       | 60        | 5.2         | 255       | 5            |
| 31/05/24 17:15 | 1           | 15                       | 16                       | 1                        | 15.4       | 60        | 5.6         | 257       | 7            |
| 31/05/24 17:20 | 2           | 14                       | 16                       | 1                        | 15.4       | 61        | 5.5         | 261       | 6            |
| 31/05/24 17:25 | 1           | 10                       | 11                       | 1                        | 15.4       | 61        | 4.9         | 263       | 8            |
| 31/05/24 17:30 | 1           | 9                        | 10                       | 1                        | 15.4       | 62        | 4.7         | 264       | 6            |
| 31/05/24 17:35 | 1           | 9                        | 10                       | 1                        | 15.4       | 61        | 4.3         | 266       | 7            |
| 31/05/24 17:40 | 1           | 10                       | 11                       | 1                        | 15.4       | 60        | 5.3         | 264       | 7            |
| 31/05/24 17:45 | 1           | 10                       | 10                       | 1                        | 15.4       | 62        | 4.7         | 263       | 5            |
| 31/05/24 17:50 | 1           | 10                       | 11                       | 0                        | 15.4       | 62        | 4.9         | 265       | 7            |
| 31/05/24 17:55 | 1           | 12                       | 12                       | 0                        | 15.3       | 62        | 3.6         | 272       | 13           |
| 31/05/24 18:00 | 1           | 13                       | 13                       | 0                        | 15.3       | 61        | 4.3         | 264       | 7            |
| 31/05/24 18:05 | 1           | 13                       | 14                       | 0                        | 15.3       | 62        | 3.7         | 270       | 7            |
| 31/05/24 18:10 | 1           | 13                       | 14                       | 0                        | 15.3       | 61        | 3.4         | 271       | 11           |
| 31/05/24 18:15 | 1           | 14                       | 14                       | 0                        | 15.4       | 62        | 3.7         | 262       | 7            |
| 31/05/24 18:20 | 1           | 19                       | 21                       | 0                        | 15.3       | 62        | 3.2         | 270       | 9            |
| 31/05/24 18:25 | 2           | 20                       | 22                       | 0                        | 15.3       | 62        | 2.4         | 277       | 12           |
| 31/05/24 18:30 | 1           | 13                       | 14                       | 0                        | 15.2       | 62        | 2.6         | 269       | 9            |
| 31/05/24 18:35 | 1           | 14                       | 14                       | 0                        | 15.2       | 63        | 3.0         | 264       | 5            |
| 31/05/24 18:40 | 1           | 15                       | 16                       | 0                        | 15.2       | 63        | 2.8         | 267       | 8            |
| 31/05/24 18:45 | 1           | 15                       | 16                       | 0                        | 15.2       | 62        | 2.8         | 262       | 8            |
| 31/05/24 18:50 | 1           | 15                       | 15                       | 0                        | 15.2       | 63        | 2.6         | 260       | 6            |
| 31/05/24 18:55 | 1           | 15                       | 15                       | 0                        | 15.1       | 62        | 2.7         | 255       | 5            |
| 31/05/24 19:00 | 0           | 14                       | 15                       | 0                        | 15.1       | 62        | 2.9         | 255       | 6            |
| 31/05/24 19:05 | 1           | 15                       | 15                       | 0                        | 15.2       | 63        | 2.9         | 257       | 5            |
| 31/05/24 19:10 | 1           | 17                       | 18                       | 0                        | 15.1       | 64        | 2.3         | 253       | 6            |
| 31/05/24 19:15 | 1           | 23                       | 24                       | 0                        | 15.2       | 63        | 2.5         | 245       | 13           |
| 31/05/24 19:20 | 3           | 31                       | 34                       | 1                        | 15.1       | 63        | 2.9         | 247       | 6            |
| 31/05/24 19:25 | 3           | 22                       | 25                       | 1                        | 15.1       | 61        | 4.3         | 251       | 7            |
| 31/05/24 19:30 | 3           | 17                       | 19                       | 1                        | 15.1       | 61        | 5.1         | 254       | 7            |
| 31/05/24 19:35 | 2           | 16                       | 18                       | 1                        | 15.0       | 61        | 4.9         | 254       | 8            |
| 31/05/24 19:40 | 3           | 19                       | 21                       | 1                        | 15.0       | 61        | 4.3         | 254       | 8            |
| 31/05/24 19:45 | 2           | 19                       | 21                       | 1                        | 14.8       | 62        | 4.3         | 252       | 9            |
| 31/05/24 19:50 | 2           | 18                       | 21                       | 1                        | 14.9       | 61        | 4.7         | 252       | 8            |
| 31/05/24 19:55 | 2           | 18                       | 20                       | 1                        | 14.7       | 63        | 5.1         | 251       | 7            |
| 31/05/24 20:00 | 2           | 17                       | 18                       | 1                        | 14.7       | 62        | 5.2         | 253       | 7            |
| 31/05/24 20:05 | 2           | 15                       | 17                       | 1                        | 14.6       | 63        | 4.3         | 261       | 5            |
| 31/05/24 20:10 | 1           | 15                       | 16                       | 1                        | 14.6       | 64        | 4.4         | 261       | 6            |
| 31/05/24 20:15 | 2           | 22                       | 23                       | 1                        | 14.4       | 63        | 4.3         | 263       | 5            |
| 31/05/24 20:20 | 2           | 14                       | 16                       | 1                        | 14.5       | 63        | 3.9         | 262       | 4            |
| 31/05/24 20:25 | 1           | 9                        | 10                       | 1                        | 14.5       | 63        | 3.0         | 270       | 10           |
| 31/05/24 20:30 | 1           | 13                       | 14                       | 1                        | 14.4       | 63        | 2.3         | 281       | 12           |
| 31/05/24 20:35 | 1           | 12                       | 13                       | 1                        | 14.4       | 62        | 2.2         | 281       | 12           |
| 31/05/24 20:40 | 1           | 11                       | 11                       | 1                        | 14.4       | 62        | 2.4         | 281       | 12           |
| 31/05/24 20:45 | 1           | 11                       | 11                       | 1                        | 14.4       | 62        | 3.4         | 271       | 7            |
| 31/05/24 20:50 | 1           | 11                       | 12                       | 1                        | 14.5       | 62        | 3.5         | 268       | 5            |
| 31/05/24 20:55 | 0           | 12                       | 12                       | 0                        | 14.5       | 61        | 4.6         | 270       | 7            |
| 31/05/24 21:00 | 0           | 12                       | 12                       | 0                        | 14.6       | 61        | 4.2         | 273       | 11           |
| 31/05/24 21:05 | 0           | 11                       | 12                       | 0                        | 14.5       | 62        | 4.4         | 270       | 7            |
| 31/05/24 21:10 | 0           | 11                       | 11                       | 0                        | 14.4       | 62        | 3.3         | 275       | 9            |
| 31/05/24 21:15 | 0           | 10                       | 11                       | 0                        | 14.5       | 61        | 4.4         | 268       | 8            |
| 31/05/24 21:20 | 0           | 10                       | 10                       | 0                        | 14.4       | 62        | 3.0         | 272       | 10           |
| 31/05/24 21:25 | 0           | 10                       | 11                       | 1                        | 14.3       | 63        | 1.8         | 280       | 10           |
| 31/05/24 21:30 | 0           | 10                       | 11                       | 1                        | 14.2       | 63        | 3.2         | 277       | 15           |
| 31/05/24 21:35 | 0           | 10                       | 10                       | 0                        | 14.2       | 63        | 3.9         | 276       | 13           |
| 31/05/24 21:40 | 0           | 10                       | 10                       | 0                        | 14.2       | 64        | 3.6         | 280       | 14           |
| 31/05/24 21:45 | 0           | 9                        | 10                       | 0                        | 14.1       | 63        | 3.4         | 284       | 17           |
| 31/05/24 21:50 | 0           | 9                        | 10                       | 0                        | 14.1       | 64        | 3.3         | 278       | 11           |
| 31/05/24 21:55 | 0           | 9                        | 9                        | 0                        | 14.0       | 64        | 2.5         | 285       | 14           |
| 31/05/24 22:00 | 0           | 9                        | 9                        | 0                        | 14.0       | 63        | 2.9         | 282       | 11           |

Station Pier Ambient Air Quality Monitoring  
May 2024  
5-Minute Data

| Date/Time      | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 31/05/24 22:05 | 0           | 11                       | 11                       | 0                        | 14.0       | 64        | 2.4         | 282       | 12           |
| 31/05/24 22:10 | 0           | 13                       | 13                       | 0                        | 14.0       | 63        | 2.9         | 283       | 18           |
| 31/05/24 22:15 | 0           | 16                       | 16                       | 1                        | 14.0       | 63        | 3.6         | 281       | 15           |
| 31/05/24 22:20 | 0           | 16                       | 16                       | 1                        | 14.0       | 64        | 3.9         | 281       | 13           |
| 31/05/24 22:25 | 0           | 14                       | 14                       | 1                        | 13.9       | 64        | 3.3         | 279       | 12           |
| 31/05/24 22:30 | 0           | 13                       | 13                       | 0                        | 13.8       | 64        | 3.5         | 281       | 11           |
| 31/05/24 22:35 | 0           | 12                       | 13                       | 0                        | 13.8       | 65        | 2.9         | 278       | 11           |
| 31/05/24 22:40 | 0           | 12                       | 12                       | 0                        | 13.7       | 66        | 3.7         | 278       | 11           |
| 31/05/24 22:45 | 0           | 10                       | 11                       | 0                        | 13.7       | 66        | 2.6         | 277       | 12           |
| 31/05/24 22:50 | 0           | 10                       | 10                       | 0                        | 13.7       | 67        | 2.3         | 282       | 14           |
| 31/05/24 22:55 | 0           | 10                       | 10                       | 0                        | 13.6       | 66        | 2.6         | 279       | 15           |
| 31/05/24 23:00 | 0           | 11                       | 11                       | 0                        | 13.6       | 66        | 2.5         | 278       | 13           |
| 31/05/24 23:05 | 0           | 12                       | 12                       | 0                        | 13.6       | 66        | 2.2         | 282       | 15           |
| 31/05/24 23:10 | 0           | 14                       | 15                       | 0                        | 13.5       | 66        | 2.4         | 286       | 15           |
| 31/05/24 23:15 | 1           | 18                       | 19                       | 0                        | 13.4       | 65        | 2.6         | 284       | 14           |
| 31/05/24 23:20 | 1           | 20                       | 20                       | 1                        | 13.4       | 65        | 2.9         | 284       | 13           |
| 31/05/24 23:25 | 1           | 19                       | 20                       | 1                        | 13.3       | 66        | 2.2         | 288       | 18           |
| 31/05/24 23:30 | 1           | 19                       | 19                       | 1                        | 13.3       | 67        | 2.4         | 285       | 12           |
| 31/05/24 23:35 | 1           | 18                       | 19                       | 0                        | 13.2       | 68        | 1.9         | 283       | 16           |
| 31/05/24 23:40 | 0           | 17                       | 18                       | 0                        | 13.1       | 68        | 1.7         | 283       | 14           |
| 31/05/24 23:45 | 0           | 16                       | 17                       | 0                        | 12.9       | 68        | 2.1         | 282       | 13           |
| 31/05/24 23:50 | 0           | 15                       | 16                       |                          | 12.8       | 68        | 2.6         | 276       | 12           |
| 31/05/24 23:55 | 0           | 14                       | 15                       |                          | 12.9       | 68        | 2.1         | 280       | 16           |
| 01/06/24 00:00 | 0           | 14                       | 14                       | 0                        | 12.7       | 68        | 2.3         | 280       | 11           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 01/05/24 01:00 | 1                            | 14                          | 0           | 8                        | 8                        | 1                        | 13.6       | 81        | 1.7         | 97        | 8            |
| 01/05/24 02:00 | 3                            | 13                          |             |                          |                          |                          | 13.9       | 81        | 1.5         | 113       | 12           |
| 01/05/24 03:00 | 1                            | 16                          | 0           | 7                        | 7                        | 1                        | 13.7       | 83        | 1.5         | 114       | 12           |
| 01/05/24 04:00 | 1                            | 15                          | 0           | 8                        | 8                        | 1                        | 12.9       | 81        | 1.8         | 95        | 6            |
| 01/05/24 05:00 | 1                            | 16                          | 1           | 15                       | 16                       | 1                        | 12.5       | 86        | 2.1         | 113       | 11           |
| 01/05/24 06:00 | 2                            | 11                          | 0           | 9                        | 9                        | 1                        | 12.3       | 88        | 2.2         | 118       | 16           |
| 01/05/24 07:00 | 2                            | 14                          | 0           | 8                        | 9                        | 1                        | 12.1       | 86        | 2.2         | 123       | 13           |
| 01/05/24 08:00 | 3                            | 14                          | 5           | 14                       | 20                       | 1                        | 11.9       | 83        | 2.0         | 123       | 16           |
| 01/05/24 09:00 | 6                            | 18                          | 9           | 13                       | 22                       | 1                        | 13.1       | 78        | 2.6         | 136       | 17           |
| 01/05/24 10:00 | 5                            | 17                          | 8           | 9                        | 17                       | 2                        | 14.6       | 73        | 2.0         | 164       | 24           |
| 01/05/24 11:00 | 8                            | 14                          | 5           | 7                        | 12                       | 1                        | 15.7       | 70        | 2.5         | 181       | 17           |
| 01/05/24 12:00 | 5                            | 17                          | 4           | 6                        | 10                       | 1                        | 16.5       | 63        | 2.7         | 135       | 20           |
| 01/05/24 13:00 | 2                            | 23                          | 2           | 5                        | 8                        | 1                        | 17.4       | 57        | 2.5         | 122       | 15           |
| 01/05/24 14:00 | 5                            | 17                          | 4           | 6                        | 11                       | 1                        | 18.5       | 54        | 2.3         | 130       | 18           |
| 01/05/24 15:00 | 6                            | 23                          | 2           | 5                        | 7                        | 2                        | 18.2       | 62        | 3.2         | 185       | 14           |
| 01/05/24 16:00 | 6                            | 20                          | 2           | 3                        | 5                        | 2                        | 18.0       | 66        | 3.7         | 187       | 12           |
| 01/05/24 17:00 | 5                            | 29                          | 0           | 1                        | 2                        | 1                        | 17.4       | 72        | 3.7         | 180       | 16           |
| 01/05/24 18:00 | 2                            | 28                          | 0           | 1                        | 1                        | 1                        | 16.8       | 76        | 3.6         | 175       | 17           |
| 01/05/24 19:00 | 2                            | 12                          | 0           | 1                        | 1                        | 1                        | 16.4       | 75        | 5.5         | 144       | 14           |
| 01/05/24 20:00 | 2                            | 12                          | 0           | 2                        | 2                        | 0                        | 16.1       | 77        | 4.9         | 144       | 14           |
| 01/05/24 21:00 | 1                            | 12                          | 0           | 2                        | 2                        | 1                        | 15.7       | 76        | 5.2         | 139       | 10           |
| 01/05/24 22:00 | 4                            | 16                          | 0           | 4                        | 4                        | 0                        | 15.0       | 79        | 4.0         | 132       | 14           |
| 01/05/24 23:00 | 4                            | 8                           | 0           | 4                        | 4                        | 0                        | 14.5       | 81        | 3.5         | 130       | 15           |
| 02/05/24 00:00 | 3                            | 11                          | 0           | 4                        | 4                        | 0                        | 14.2       | 82        | 4.3         | 135       | 13           |
| 02/05/24 01:00 | 5                            | 12                          | 0           | 4                        | 4                        | 1                        | 13.8       | 83        | 4.6         | 141       | 14           |
| 02/05/24 02:00 | 4                            | 23                          |             |                          |                          |                          | 12.7       | 85        | 2.2         | 111       | 12           |
| 02/05/24 03:00 | 2                            | 21                          | 0           | 6                        | 6                        | 1                        | 11.8       | 89        | 1.6         | 106       | 14           |
| 02/05/24 04:00 | 6                            | 17                          | 0           | 8                        | 8                        | 1                        | 11.5       | 91        | 1.6         | 125       | 16           |
| 02/05/24 05:00 | 5                            | 15                          | 0           | 8                        | 8                        | 1                        | 11.1       | 92        | 2.0         | 119       | 17           |
| 02/05/24 06:00 | 7                            | 17                          | 0           | 8                        | 8                        | 1                        | 10.5       | 93        | 1.1         | 101       | 24           |
| 02/05/24 07:00 | 8                            | 26                          | 10          | 13                       | 24                       | 1                        | 10.5       | 93        | 2.0         | 91        | 11           |
| 02/05/24 08:00 | 6                            | 25                          | 10          | 17                       | 27                       | 1                        | 10.7       | 92        | 0.7         | 54        | 23           |
| 02/05/24 09:00 | 9                            | 27                          | 42          | 22                       | 64                       | 1                        | 11.2       | 89        | 1.4         | 88        | 16           |
| 02/05/24 10:00 | 9                            | 25                          | 18          | 18                       | 36                       | 1                        | 11.6       | 87        | 1.5         | 97        | 20           |
| 02/05/24 11:00 | 11                           | 30                          | 22          | 18                       | 40                       | 1                        | 12.1       | 84        | 1.1         | 119       | 20           |
| 02/05/24 12:00 | 9                            | 27                          | 22          | 17                       | 40                       | 1                        | 13.0       | 79        | 0.5         | 318       | 31           |
| 02/05/24 13:00 | 8                            | 27                          | 21          | 16                       | 37                       | 1                        | 13.8       | 74        | 1.1         | 251       | 23           |
| 02/05/24 14:00 | 6                            | 22                          | 26          | 19                       | 44                       | 1                        | 16.3       | 65        | 1.2         | 171       | 24           |
| 02/05/24 15:00 | 10                           | 25                          | 24          | 19                       | 43                       | 2                        | 15.8       | 71        | 2.6         | 201       | 7            |
| 02/05/24 16:00 | 14                           | 28                          | 22          | 20                       | 43                       | 2                        | 15.6       | 74        | 2.9         | 206       | 5            |
| 02/05/24 17:00 | 12                           | 30                          | 17          | 22                       | 40                       | 2                        | 16.3       | 69        | 1.4         | 211       | 7            |
| 02/05/24 18:00 | 11                           | 26                          | 5           | 24                       | 29                       | 1                        | 15.3       | 78        | 2.9         | 202       | 5            |
| 02/05/24 19:00 | 8                            | 21                          | 4           | 21                       | 25                       | 1                        | 15.0       | 81        | 2.1         | 211       | 6            |
| 02/05/24 20:00 | 10                           | 24                          | 18          | 22                       | 41                       | 1                        | 14.5       | 84        | 1.0         | 255       | 12           |
| 02/05/24 21:00 | 15                           | 34                          | 44          | 27                       | 71                       | 1                        | 13.2       | 85        | 0.1         | 307       | 29           |
| 02/05/24 22:00 | 9                            | 27                          | 7           | 23                       | 30                       | 2                        | 13.3       | 76        | 1.4         | 99        | 10           |
| 02/05/24 23:00 | 24                           | 57                          | 114         | 31                       | 145                      | 2                        | 12.1       | 84        | 1.3         | 5         | 13           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 03/05/24 00:00 | 17                           | 51                          | 86          | 25                       | 111                      | 3                        | 11.2       | 87        | 1.4         | 345       | 16           |
| 03/05/24 01:00 | 18                           | 52                          | 94          | 25                       | 119                      | 2                        | 10.5       | 88        | 1.9         | 356       | 10           |
| 03/05/24 02:00 | 12                           | 40                          |             |                          |                          |                          | 10.1       | 89        | 1.8         | 358       | 11           |
| 03/05/24 03:00 | 10                           | 24                          | 42          | 20                       | 62                       | 1                        | 9.8        | 91        | 0.9         | 342       | 25           |
| 03/05/24 04:00 | 11                           | 25                          | 32          | 17                       | 49                       | 1                        | 9.5        | 93        | 1.0         | 353       | 20           |
| 03/05/24 05:00 | 9                            | 27                          | 32          | 16                       | 48                       | 1                        | 9.3        | 94        | 0.8         | 357       | 26           |
| 03/05/24 06:00 | 12                           | 25                          | 55          | 17                       | 72                       | 1                        | 9.0        | 94        | 1.2         | 359       | 18           |
| 03/05/24 07:00 | 13                           | 28                          | 70          | 20                       | 91                       | 1                        | 9.0        | 93        | 1.2         | 355       | 20           |
| 03/05/24 08:00 | 10                           | 31                          | 83          | 21                       | 104                      | 2                        | 9.3        | 91        | 1.2         | 356       | 20           |
| 03/05/24 09:00 | 12                           | 40                          | 114         | 26                       | 140                      | 2                        | 10.2       | 87        | 1.3         | 0         | 21           |
| 03/05/24 10:00 | 19                           | 53                          | 122         | 28                       | 150                      | 3                        | 11.3       | 84        | 0.8         | 348       | 25           |
| 03/05/24 11:00 | 13                           | 38                          | 57          | 24                       | 81                       | 3                        | 12.7       | 82        | 0.7         | 230       | 26           |
| 03/05/24 12:00 | 15                           | 36                          | 46          | 22                       | 68                       | 3                        | 15.0       | 72        | 1.1         | 159       | 22           |
| 03/05/24 13:00 | 14                           | 39                          | 36          | 21                       | 58                       | 2                        | 15.4       | 73        | 1.7         | 182       | 18           |
| 03/05/24 14:00 | 10                           | 28                          | 19          | 16                       | 35                       | 2                        | 15.9       | 75        | 1.7         | 186       | 19           |
| 03/05/24 15:00 | 12                           | 30                          | 13          | 14                       | 27                       | 1                        | 15.7       | 79        | 2.4         | 201       | 10           |
| 03/05/24 16:00 | 16                           | 28                          | 11          | 16                       | 27                       | 1                        | 16.2       | 78        | 2.5         | 207       | 6            |
| 03/05/24 17:00 | 16                           | 29                          | 12          | 18                       | 30                       | 1                        | 16.9       | 75        | 1.4         | 188       | 20           |
| 03/05/24 18:00 | 10                           | 27                          | 2           | 20                       | 22                       | 1                        | 16.2       | 83        | 2.1         | 189       | 14           |
| 03/05/24 19:00 | 12                           | 28                          | 2           | 21                       | 23                       | 1                        | 16.1       | 81        | 1.3         | 131       | 16           |
| 03/05/24 20:00 | 8                            | 27                          | 1           | 21                       | 23                       | 1                        | 15.5       | 74        | 1.7         | 119       | 17           |
| 03/05/24 21:00 | 7                            | 32                          | 1           | 16                       | 17                       | 1                        | 14.7       | 71        | 3.2         | 103       | 10           |
| 03/05/24 22:00 | 8                            | 33                          | 0           | 13                       | 13                       | 1                        | 13.8       | 73        | 2.6         | 100       | 10           |
| 03/05/24 23:00 | 9                            | 35                          | 2           | 12                       | 15                       | 1                        | 13.2       | 77        | 2.0         | 103       | 11           |
| 04/05/24 00:00 | 6                            | 28                          | 2           | 10                       | 13                       | 1                        | 12.5       | 79        | 1.7         | 98        | 11           |
| 04/05/24 01:00 | 3                            | 25                          | 0           | 8                        | 8                        | 1                        | 12.0       | 83        | 2.0         | 105       | 10           |
| 04/05/24 02:00 | 4                            | 29                          |             |                          |                          |                          | 11.0       | 86        | 1.0         | 65        | 14           |
| 04/05/24 03:00 | 20                           | 53                          | 73          | 23                       | 96                       | 1                        | 9.8        | 90        | 0.8         | 357       | 14           |
| 04/05/24 04:00 | 16                           | 39                          | 75          | 22                       | 97                       | 1                        | 9.2        | 91        | 1.3         | 6         | 10           |
| 04/05/24 05:00 | 11                           | 28                          | 46          | 19                       | 66                       | 1                        | 8.8        | 92        | 1.6         | 354       | 17           |
| 04/05/24 06:00 | 12                           | 26                          | 37          | 19                       | 55                       | 1                        | 8.7        | 93        | 0.9         | 341       | 22           |
| 04/05/24 07:00 | 11                           | 26                          | 52          | 18                       | 69                       | 1                        | 8.5        | 93        | 1.3         | 351       | 18           |
| 04/05/24 08:00 | 13                           | 30                          | 62          | 18                       | 80                       | 1                        | 8.4        | 94        | 0.9         | 12        | 14           |
| 04/05/24 09:00 | 14                           | 32                          | 55          | 17                       | 72                       | 1                        | 9.8        | 86        | 1.1         | 56        | 13           |
| 04/05/24 10:00 | 14                           | 23                          | 43          | 18                       | 61                       | 1                        | 11.0       | 84        | 0.3         | 300       | 26           |
| 04/05/24 11:00 | 17                           | 37                          | 31          | 19                       | 49                       | 1                        | 11.8       | 84        | 1.2         | 24        | 30           |
| 04/05/24 12:00 | 20                           | 35                          | 26          | 17                       | 43                       | 1                        | 14.2       | 74        | 1.0         | 145       | 25           |
| 04/05/24 13:00 | 18                           | 34                          | 20          | 18                       | 38                       | 1                        | 15.0       | 72        | 1.6         | 149       | 23           |
| 04/05/24 14:00 | 14                           | 32                          | 15          | 17                       | 32                       | 1                        | 15.2       | 72        | 1.8         | 123       | 21           |
| 04/05/24 15:00 | 15                           | 28                          | 12          | 17                       | 29                       | 1                        | 16.2       | 69        | 1.4         | 163       | 21           |
| 04/05/24 16:00 | 12                           | 26                          | 10          | 18                       | 28                       | 1                        | 16.1       | 71        | 1.9         | 203       | 7            |
| 04/05/24 17:00 | 15                           | 32                          | 5           | 19                       | 25                       | 1                        | 15.1       | 78        | 2.6         | 222       | 5            |
| 04/05/24 18:00 | 17                           | 26                          | 3           | 22                       | 25                       | 1                        | 14.9       | 82        | 2.4         | 220       | 6            |
| 04/05/24 19:00 | 17                           | 28                          | 7           | 23                       | 30                       | 0                        | 14.8       | 80        | 0.8         | 234       | 19           |
| 04/05/24 20:00 | 17                           | 37                          | 12          | 27                       | 39                       | 0                        | 13.8       | 84        | 0.8         | 288       | 16           |
| 04/05/24 21:00 | 21                           | 33                          | 3           | 24                       | 27                       | 0                        | 13.8       | 85        | 1.3         | 285       | 12           |
| 04/05/24 22:00 | 27                           | 37                          | 25          | 28                       | 52                       | 1                        | 13.6       | 83        | 0.5         | 299       | 34           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 04/05/24 23:00 | 10                           | 19                          | 3           | 14                       | 17                       | 0                        | 14.7       | 87        | 1.7         | 131       | 18           |
| 05/05/24 00:00 | 12                           | 26                          | 1           | 18                       | 19                       | 0                        | 14.5       | 88        | 0.9         | 113       | 17           |
| 05/05/24 01:00 | 13                           | 31                          | 9           | 19                       | 28                       | 0                        | 14.3       | 88        | 1.1         | 123       | 16           |
| 05/05/24 02:00 | 34                           | 48                          |             |                          |                          |                          | 13.1       | 85        | 1.4         | 46        | 11           |
| 05/05/24 03:00 | 26                           | 31                          | 7           | 19                       | 27                       | 0                        | 12.4       | 87        | 1.5         | 46        | 10           |
| 05/05/24 04:00 | 20                           | 33                          | 3           | 17                       | 20                       | 0                        | 12.7       | 86        | 1.0         | 40        | 16           |
| 05/05/24 05:00 | 26                           | 36                          | 7           | 17                       | 24                       | 0                        | 12.2       | 85        | 1.3         | 50        | 12           |
| 05/05/24 06:00 | 26                           | 40                          | 10          | 19                       | 29                       | 0                        | 11.3       | 89        | 1.4         | 47        | 7            |
| 05/05/24 07:00 | 22                           | 42                          | 8           | 18                       | 26                       | 0                        | 11.7       | 89        | 0.9         | 64        | 15           |
| 05/05/24 08:00 | 21                           | 37                          | 8           | 16                       | 24                       | 0                        | 12.1       | 88        | 0.3         | 77        | 27           |
| 05/05/24 09:00 | 26                           | 34                          | 11          | 16                       | 27                       | 1                        | 12.8       | 86        | 1.0         | 103       | 13           |
| 05/05/24 10:00 | 12                           | 27                          | 5           | 9                        | 14                       | 0                        | 14.1       | 79        | 1.3         | 160       | 25           |
| 05/05/24 11:00 | 12                           | 23                          | 2           | 6                        | 7                        | 0                        | 13.9       | 77        | 1.2         | 167       | 20           |
| 05/05/24 12:00 | 11                           | 23                          | 3           | 6                        | 8                        | 0                        | 14.2       | 76        | 1.0         | 219       | 17           |
| 05/05/24 13:00 | 18                           | 19                          | 3           | 6                        | 9                        | 0                        | 14.5       | 76        | 1.7         | 226       | 8            |
| 05/05/24 14:00 | 10                           | 22                          | 2           | 6                        | 8                        | 0                        | 15.8       | 72        | 1.6         | 232       | 7            |
| 05/05/24 15:00 | 7                            | 22                          | 1           | 4                        | 5                        | 0                        | 16.3       | 79        | 3.6         | 227       | 4            |
| 05/05/24 16:00 | 7                            | 21                          | 1           | 3                        | 4                        | 0                        | 16.6       | 84        | 4.1         | 222       | 5            |
| 05/05/24 17:00 | 2                            | 13                          | 0           | 2                        | 2                        | 0                        | 18.2       | 80        | 3.0         | 175       | 22           |
| 05/05/24 18:00 | -1                           | 17                          | 0           | 2                        | 2                        | 0                        | 17.1       | 85        | 2.4         | 169       | 29           |
| 05/05/24 19:00 | 2                            | 12                          | 0           | 2                        | 2                        | 0                        | 16.7       | 85        | 2.9         | 154       | 26           |
| 05/05/24 20:00 | 1                            | 13                          | 0           | 3                        | 3                        | 0                        | 16.4       | 83        | 5.2         | 137       | 10           |
| 05/05/24 21:00 | 0                            | 8                           | 0           | 2                        | 2                        | 0                        | 16.1       | 83        | 4.5         | 132       | 13           |
| 05/05/24 22:00 | 1                            | 10                          | 0           | 3                        | 3                        | 0                        | 15.8       | 83        | 3.2         | 129       | 16           |
| 05/05/24 23:00 | 1                            | 13                          | 0           | 3                        | 3                        | 0                        | 15.3       | 85        | 3.2         | 121       | 16           |
| 06/05/24 00:00 | -1                           | 38                          | 0           | 3                        | 3                        | 0                        | 14.8       | 87        | 3.8         | 112       | 10           |
| 06/05/24 01:00 | -2                           | 11                          | 0           | 4                        | 4                        | 1                        | 14.3       | 89        | 2.1         | 132       | 17           |
| 06/05/24 02:00 | 0                            | 6                           |             |                          |                          |                          | 14.0       | 90        | 2.6         | 134       | 15           |
| 06/05/24 03:00 | 1                            | 6                           | 0           | 3                        | 3                        | 1                        | 14.2       | 90        | 3.4         | 148       | 19           |
| 06/05/24 04:00 | -1                           | 10                          | 0           | 2                        | 2                        | 1                        | 14.2       | 91        | 2.7         | 138       | 18           |
| 06/05/24 05:00 | -1                           | 12                          | 0           | 2                        | 2                        | 1                        | 13.2       | 94        | 1.9         | 112       | 12           |
| 06/05/24 06:00 | 1                            | 12                          | 0           | 5                        | 5                        | 1                        | 12.4       | 96        | 1.8         | 105       | 12           |
| 06/05/24 07:00 | 2                            | 9                           | 0           | 10                       | 11                       | 1                        | 12.1       | 96        | 1.7         | 95        | 12           |
| 06/05/24 08:00 | 0                            | 11                          | 3           | 13                       | 16                       | 1                        | 12.2       | 97        | 1.7         | 121       | 14           |
| 06/05/24 09:00 | 2                            | 12                          | 5           | 10                       | 14                       | 1                        | 14.3       | 87        | 2.4         | 133       | 17           |
| 06/05/24 10:00 | 3                            | 14                          | 7           | 9                        | 16                       | 1                        | 14.9       | 82        | 2.1         | 126       | 17           |
| 06/05/24 11:00 | 3                            | 18                          | 10          | 10                       | 20                       | 1                        | 16.5       | 74        | 1.3         | 149       | 23           |
| 06/05/24 12:00 | 3                            | 11                          | 5           | 7                        | 13                       | 1                        | 17.2       | 72        | 2.0         | 147       | 22           |
| 06/05/24 13:00 | 3                            | 20                          | 3           | 6                        | 9                        | 1                        | 17.8       | 68        | 3.4         | 123       | 16           |
| 06/05/24 14:00 | 4                            | 15                          | 9           | 10                       | 19                       | 2                        | 18.7       | 68        | 2.6         | 180       | 16           |
| 06/05/24 15:00 | 4                            | 12                          | 3           | 4                        | 7                        | 1                        | 18.4       | 73        | 3.9         | 197       | 9            |
| 06/05/24 16:00 | 3                            | 15                          | 2           | 4                        | 6                        | 2                        | 18.6       | 72        | 3.2         | 195       | 14           |
| 06/05/24 17:00 | 3                            | 21                          | 3           | 8                        | 11                       | 2                        | 19.0       | 68        | 2.7         | 180       | 19           |
| 06/05/24 18:00 | 6                            | 22                          | 0           | 3                        | 3                        | 2                        | 17.9       | 70        | 2.3         | 163       | 26           |
| 06/05/24 19:00 | 2                            | 17                          | 0           | 3                        | 4                        | 1                        | 17.2       | 78        | 1.9         | 177       | 26           |
| 06/05/24 20:00 | 1                            | 16                          | 0           | 3                        | 3                        | 1                        | 16.6       | 85        | 2.8         | 180       | 14           |
| 06/05/24 21:00 | 6                            | 19                          | 0           | 6                        | 6                        | 1                        | 16.3       | 77        | 4.1         | 142       | 16           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 06/05/24 22:00 | 6                            | 21                          | 0           | 6                        | 6                        | 1                        | 15.3       | 80        | 2.4         | 124       | 20           |
| 06/05/24 23:00 | 6                            | 38                          | 0           | 8                        | 9                        | 2                        | 14.3       | 83        | 1.7         | 107       | 13           |
| 07/05/24 00:00 | 8                            | 33                          | 0           | 10                       | 10                       | 2                        | 13.4       | 86        | 1.4         | 105       | 8            |
| 07/05/24 01:00 | 7                            | 24                          | 1           | 13                       | 14                       | 1                        | 12.5       | 89        | 1.1         | 83        | 9            |
| 07/05/24 02:00 | 14                           | 42                          |             |                          |                          |                          | 11.4       | 92        | 0.9         | 17        | 14           |
| 07/05/24 03:00 | 16                           | 28                          | 27          | 17                       | 44                       | 1                        | 10.8       | 94        | 1.1         | 18        | 13           |
| 07/05/24 04:00 | 12                           | 25                          | 13          | 16                       | 28                       | 1                        | 10.6       | 95        | 0.9         | 20        | 15           |
| 07/05/24 05:00 | 13                           | 27                          | 18          | 15                       | 33                       | 1                        | 10.3       | 96        | 1.0         | 7         | 16           |
| 07/05/24 06:00 | 8                            | 22                          | 37          | 19                       | 56                       | 1                        | 11.7       | 93        | 0.9         | 332       | 30           |
| 07/05/24 07:00 | 8                            | 29                          | 48          | 21                       | 69                       | 2                        | 12.0       | 92        | 1.1         | 331       | 22           |
| 07/05/24 08:00 | 11                           | 40                          | 61          | 24                       | 85                       | 2                        | 12.5       | 89        | 1.1         | 336       | 22           |
| 07/05/24 09:00 | 13                           | 40                          | 63          | 25                       | 87                       | 2                        | 12.8       | 86        | 1.2         | 331       | 24           |
| 07/05/24 10:00 | 10                           | 42                          | 50          | 22                       | 72                       | 2                        | 13.9       | 80        | 1.1         | 331       | 27           |
| 07/05/24 11:00 | 9                            | 38                          | 39          | 21                       | 60                       | 2                        | 15.2       | 76        | 1.2         | 221       | 19           |
| 07/05/24 12:00 | 8                            | 24                          | 12          | 11                       | 24                       | 2                        | 16.2       | 74        | 1.9         | 184       | 18           |
| 07/05/24 13:00 | 6                            | 19                          | 2           | 4                        | 6                        | 1                        | 15.3       | 79        | 2.7         | 201       | 8            |
| 07/05/24 14:00 | 6                            | 16                          | 2           | 4                        | 7                        | 1                        | 15.2       | 79        | 2.8         | 201       | 9            |
| 07/05/24 15:00 | 5                            | 21                          | 4           | 7                        | 10                       | 1                        | 16.0       | 76        | 2.6         | 199       | 10           |
| 07/05/24 16:00 | 8                            | 20                          | 4           | 7                        | 11                       | 1                        | 15.6       | 77        | 2.8         | 200       | 8            |
| 07/05/24 17:00 | 7                            | 12                          | 1           | 4                        | 5                        | 1                        | 15.0       | 78        | 2.9         | 202       | 7            |
| 07/05/24 18:00 | 5                            | 17                          | 0           | 6                        | 6                        | 1                        | 14.6       | 82        | 2.4         | 211       | 9            |
| 07/05/24 19:00 | 5                            | 20                          | 2           | 10                       | 12                       | 1                        | 14.7       | 84        | 1.8         | 217       | 8            |
| 07/05/24 20:00 | 10                           | 27                          | 12          | 21                       | 33                       | 1                        | 14.1       | 86        | 0.7         | 285       | 17           |
| 07/05/24 21:00 | 11                           | 27                          | 5           | 22                       | 28                       | 1                        | 13.9       | 87        | 1.6         | 286       | 14           |
| 07/05/24 22:00 | 17                           | 32                          | 16          | 24                       | 40                       | 1                        | 13.4       | 86        | 1.8         | 304       | 13           |
| 07/05/24 23:00 | 16                           | 43                          | 22          | 25                       | 48                       | 1                        | 13.0       | 87        | 1.6         | 315       | 12           |
| 08/05/24 00:00 | 13                           | 40                          | 11          | 24                       | 35                       | 1                        | 12.8       | 87        | 1.5         | 317       | 13           |
| 08/05/24 01:00 | 9                            | 32                          | 5           | 24                       | 29                       | 1                        | 13.2       | 84        | 1.2         | 306       | 13           |
| 08/05/24 02:00 | 18                           | 31                          |             |                          |                          |                          | 13.3       | 84        | 1.1         | 322       | 19           |
| 08/05/24 03:00 | 9                            | 32                          | 9           | 24                       | 32                       | 2                        | 13.5       | 84        | 0.7         | 310       | 18           |
| 08/05/24 04:00 | 21                           | 44                          | 18          | 22                       | 40                       | 2                        | 13.3       | 85        | 0.6         | 32        | 9            |
| 08/05/24 05:00 | 16                           | 38                          | 31          | 23                       | 54                       | 2                        | 13.5       | 84        | 0.4         | 14        | 19           |
| 08/05/24 06:00 | 18                           | 37                          | 30          | 23                       | 53                       | 2                        | 13.6       | 84        | 0.4         | 326       | 16           |
| 08/05/24 07:00 | 16                           | 32                          | 27          | 21                       | 48                       | 2                        | 13.6       | 85        | 0.5         | 331       | 21           |
| 08/05/24 08:00 | 16                           | 45                          | 34          | 20                       | 55                       | 2                        | 13.4       | 85        | 0.6         | 2         | 28           |
| 08/05/24 09:00 | 20                           | 49                          | 41          | 19                       | 60                       | 2                        | 13.9       | 82        | 0.6         | 336       | 34           |
| 08/05/24 10:00 | 19                           | 31                          | 8           | 17                       | 25                       | 2                        | 14.4       | 77        | 0.5         | 359       | 25           |
| 08/05/24 11:00 | 20                           | 39                          | 19          | 17                       | 36                       | 2                        | 15.7       | 71        | 0.7         | 167       | 22           |
| 08/05/24 12:00 | 18                           | 41                          | 21          | 18                       | 39                       | 2                        | 17.0       | 67        | 1.0         | 169       | 27           |
| 08/05/24 13:00 | 21                           | 34                          | 15          | 18                       | 33                       | 2                        | 17.9       | 65        | 1.2         | 160       | 25           |
| 08/05/24 14:00 | 22                           | 38                          | 14          | 16                       | 30                       | 2                        | 17.8       | 67        | 1.4         | 155       | 25           |
| 08/05/24 15:00 | 27                           | 39                          | 8           | 13                       | 21                       | 2                        | 17.5       | 70        | 1.5         | 156       | 27           |
| 08/05/24 16:00 | 27                           | 46                          | 5           | 15                       | 20                       | 2                        | 18.2       | 68        | 1.7         | 167       | 24           |
| 08/05/24 17:00 | 31                           | 48                          | 5           | 19                       | 23                       | 2                        | 18.1       | 73        | 1.9         | 180       | 17           |
| 08/05/24 18:00 | 24                           | 43                          | 1           | 16                       | 18                       | 2                        | 16.6       | 86        | 1.7         | 173       | 23           |
| 08/05/24 19:00 | 23                           | 41                          | 0           | 16                       | 16                       | 2                        | 16.3       | 88        | 1.1         | 163       | 31           |
| 08/05/24 20:00 | 23                           | 40                          | 0           | 19                       | 19                       | 2                        | 16.3       | 87        | 1.0         | 198       | 11           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 08/05/24 21:00 | 22                           | 36                          | 5           | 23                       | 28                       | 2                        | 15.5       | 89        | 0.3         | 336       | 29           |
| 08/05/24 22:00 | 31                           | 59                          | 59          | 34                       | 93                       | 2                        | 14.5       | 91        | 1.5         | 338       | 14           |
| 08/05/24 23:00 | 35                           | 63                          | 47          | 32                       | 78                       | 2                        | 13.7       | 87        | 1.7         | 313       | 13           |
| 09/05/24 00:00 | 29                           | 58                          | 31          | 29                       | 59                       | 2                        | 13.3       | 87        | 1.3         | 324       | 16           |
| 09/05/24 01:00 | 37                           | 73                          | 56          | 29                       | 85                       | 1                        | 12.9       | 87        | 1.3         | 343       | 15           |
| 09/05/24 02:00 | 34                           | 65                          |             |                          |                          |                          | 12.6       | 88        | 1.1         | 337       | 18           |
| 09/05/24 03:00 | 32                           | 56                          | 38          | 27                       | 65                       | 1                        | 12.6       | 89        | 1.2         | 317       | 15           |
| 09/05/24 04:00 | 28                           | 55                          | 42          | 25                       | 67                       | 1                        | 12.2       | 91        | 1.0         | 337       | 26           |
| 09/05/24 05:00 | 29                           | 49                          | 44          | 23                       | 67                       | 1                        | 11.9       | 92        | 1.1         | 351       | 12           |
| 09/05/24 06:00 | 26                           | 46                          | 59          | 25                       | 84                       | 1                        | 12.2       | 91        | 1.1         | 327       | 17           |
| 09/05/24 07:00 | 25                           | 54                          | 64          | 23                       | 87                       | 1                        | 12.4       | 91        | 1.0         | 311       | 18           |
| 09/05/24 08:00 | 25                           | 46                          | 48          | 20                       | 68                       | 1                        | 12.4       | 95        | 1.3         | 306       | 14           |
| 09/05/24 09:00 | 34                           | 63                          | 108         | 23                       | 131                      | 2                        | 12.5       | 94        | 0.9         | 325       | 26           |
| 09/05/24 10:00 | 25                           | 47                          | 82          | 23                       | 105                      | 2                        | 13.4       | 92        | 0.5         | 269       | 29           |
| 09/05/24 11:00 | 25                           | 44                          | 81          | 25                       | 106                      | 2                        | 14.2       | 90        | 1.5         | 223       | 9            |
| 09/05/24 12:00 | 16                           | 48                          | 52          | 22                       | 74                       | 2                        | 14.8       | 90        | 2.0         | 199       | 12           |
| 09/05/24 13:00 | 11                           | 25                          | 16          | 15                       | 31                       | 1                        | 14.8       | 91        | 1.3         | 199       | 14           |
| 09/05/24 14:00 | 16                           | 30                          | 12          | 16                       | 28                       | 1                        | 15.2       | 90        | 0.9         | 155       | 20           |
| 09/05/24 15:00 | 16                           | 32                          | 12          | 15                       | 27                       | 1                        | 15.8       | 86        | 1.1         | 156       | 21           |
| 09/05/24 16:00 | 24                           | 39                          | 9           | 19                       | 28                       | 1                        | 15.8       | 87        | 1.1         | 136       | 14           |
| 09/05/24 17:00 | 27                           | 39                          | 11          | 23                       | 34                       | 1                        | 15.6       | 89        | 2.0         | 227       | 6            |
| 09/05/24 18:00 | 18                           | 33                          | 6           | 25                       | 32                       | 0                        | 15.3       | 91        | 1.0         | 215       | 12           |
| 09/05/24 19:00 | 22                           | 37                          | 27          | 28                       | 55                       | 1                        | 15.4       | 90        | 0.7         | 297       | 13           |
| 09/05/24 20:00 | 21                           | 42                          | 56          | 30                       | 86                       | 1                        | 15.4       | 91        | 1.0         | 302       | 12           |
| 09/05/24 21:00 | 21                           | 38                          | 42          | 29                       | 71                       | 1                        | 15.4       | 93        | 1.9         | 240       | 8            |
| 09/05/24 22:00 | 17                           | 33                          | 28          | 26                       | 53                       | 1                        | 15.3       | 92        | 1.7         | 285       | 11           |
| 09/05/24 23:00 | 16                           | 28                          | 29          | 23                       | 52                       | 1                        | 15.0       | 95        | 1.5         | 325       | 19           |
| 10/05/24 00:00 | 8                            | 18                          | 12          | 22                       | 34                       | 1                        | 14.8       | 96        | 1.0         | 316       | 17           |
| 10/05/24 01:00 | 14                           | 22                          | 16          | 21                       | 37                       | 2                        | 14.6       | 96        | 0.8         | 349       | 14           |
| 10/05/24 02:00 | 13                           | 25                          |             |                          |                          |                          | 14.6       | 97        | 0.7         | 64        | 16           |
| 10/05/24 03:00 | 12                           | 24                          | 19          | 23                       | 42                       | 2                        | 14.6       | 97        | 0.6         | 11        | 20           |
| 10/05/24 04:00 | 13                           | 24                          | 9           | 22                       | 31                       | 2                        | 14.6       | 98        | 0.7         | 89        | 18           |
| 10/05/24 05:00 | 14                           | 23                          | 3           | 20                       | 24                       | 2                        | 14.6       | 98        | 1.2         | 98        | 19           |
| 10/05/24 06:00 | 14                           | 22                          | 20          | 20                       | 40                       | 2                        | 14.5       | 98        | 0.8         | 342       | 22           |
| 10/05/24 07:00 | 10                           | 20                          | 26          | 21                       | 47                       | 2                        | 14.5       | 97        | 0.9         | 323       | 16           |
| 10/05/24 08:00 | 13                           | 24                          | 44          | 19                       | 63                       | 2                        | 14.5       | 97        | 0.4         | 213       | 20           |
| 10/05/24 09:00 | 27                           | 32                          | 44          | 21                       | 65                       | 2                        | 14.6       | 97        | 0.7         | 218       | 12           |
| 10/05/24 10:00 | 16                           | 24                          | 58          | 23                       | 81                       | 2                        | 15.1       | 93        | 1.0         | 244       | 8            |
| 10/05/24 11:00 | 22                           | 24                          | 37          | 23                       | 60                       | 2                        | 15.6       | 91        | 1.1         | 185       | 15           |
| 10/05/24 12:00 | 12                           | 21                          | 20          | 19                       | 39                       | 2                        | 15.8       | 90        | 1.3         | 199       | 12           |
| 10/05/24 13:00 | 15                           | 25                          | 16          | 18                       | 34                       | 2                        | 16.8       | 85        | 0.9         | 172       | 24           |
| 10/05/24 14:00 | 11                           | 19                          | 17          | 20                       | 36                       | 2                        | 16.5       | 87        | 1.6         | 193       | 10           |
| 10/05/24 15:00 | 16                           | 26                          | 14          | 19                       | 34                       | 2                        | 16.7       | 86        | 1.5         | 181       | 15           |
| 10/05/24 16:00 | 9                            | 16                          | 13          | 21                       | 33                       | 2                        | 16.5       | 88        | 1.6         | 189       | 13           |
| 10/05/24 17:00 | 11                           | 17                          | 7           | 22                       | 29                       | 2                        | 16.4       | 91        | 0.8         | 194       | 14           |
| 10/05/24 18:00 | 8                            | 15                          | 4           | 20                       | 24                       | 2                        | 16.4       | 94        | 0.9         | 111       | 15           |
| 10/05/24 19:00 | 6                            | 16                          | 19          | 18                       | 37                       | 1                        | 16.5       | 94        | 0.7         | 144       | 23           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 10/05/24 20:00 | 4                            | 7                           | 7           | 15                       | 22                       | 2                        | 16.3       | 93        | 1.4         | 168       | 25           |
| 10/05/24 21:00 | 3                            | 16                          | 1           | 14                       | 15                       | 1                        | 16.0       | 90        | 2.3         | 119       | 11           |
| 10/05/24 22:00 | 4                            | 23                          | 1           | 11                       | 12                       | 2                        | 15.9       | 91        | 1.8         | 102       | 11           |
| 10/05/24 23:00 | 5                            | 22                          | 3           | 13                       | 16                       | 2                        | 15.8       | 91        | 1.1         | 52        | 14           |
| 11/05/24 00:00 | 4                            | 25                          | 3           | 13                       | 16                       | 2                        | 15.6       | 93        | 0.4         | 108       | 19           |
| 11/05/24 01:00 | 4                            | 30                          | 1           | 12                       | 13                       | 1                        | 15.5       | 94        | 0.7         | 123       | 17           |
| 11/05/24 02:00 | 5                            | 22                          |             |                          |                          |                          | 15.3       | 95        | 0.6         | 321       | 13           |
| 11/05/24 03:00 | 11                           | 26                          | 38          | 14                       | 53                       | 1                        | 15.1       | 95        | 1.0         | 353       | 14           |
| 11/05/24 04:00 | 11                           | 27                          | 71          | 16                       | 86                       | 2                        | 14.8       | 97        | 0.4         | 42        | 15           |
| 11/05/24 05:00 | 9                            | 22                          | 52          | 15                       | 67                       | 2                        | 14.7       | 98        | 0.9         | 54        | 13           |
| 11/05/24 06:00 | 5                            | 14                          | 6           | 14                       | 20                       | 2                        | 14.8       | 96        | 1.2         | 92        | 11           |
| 11/05/24 07:00 | 2                            | 18                          | 1           | 11                       | 12                       | 1                        | 14.6       | 95        | 1.1         | 111       | 10           |
| 11/05/24 08:00 | 1                            | 12                          | 1           | 11                       | 12                       | 1                        | 14.6       | 92        | 1.2         | 90        | 14           |
| 11/05/24 09:00 | 1                            | 20                          | 2           | 11                       | 13                       | 1                        | 15.0       | 90        | 1.2         | 111       | 10           |
| 11/05/24 10:00 | 0                            | 17                          | 4           | 9                        | 13                       | 1                        | 16.6       | 80        | 1.7         | 98        | 15           |
| 11/05/24 11:00 | 1                            | 7                           | 3           | 6                        | 9                        | 1                        | 17.7       | 72        | 2.4         | 86        | 15           |
| 11/05/24 12:00 | 1                            | 18                          | 2           | 5                        | 7                        | 1                        | 18.7       | 66        | 2.9         | 98        | 14           |
| 11/05/24 13:00 | 0                            | 29                          | 1           | 3                        | 4                        | 2                        | 19.4       | 64        | 2.2         | 110       | 15           |
| 11/05/24 14:00 | -1                           | 22                          | 1           | 3                        | 5                        | 1                        | 19.5       | 63        | 4.3         | 105       | 9            |
| 11/05/24 15:00 | 1                            | 27                          | 1           | 3                        | 4                        | 1                        | 19.1       | 62        | 5.5         | 107       | 7            |
| 11/05/24 16:00 | 0                            | 27                          | 1           | 4                        | 4                        | 1                        | 18.7       | 62        | 5.0         | 102       | 9            |
| 11/05/24 17:00 | 0                            | 36                          | 1           | 4                        | 5                        | 1                        | 18.3       | 65        | 4.3         | 103       | 9            |
| 11/05/24 18:00 | 3                            | 45                          | 0           | 6                        | 6                        | 1                        | 17.7       | 69        | 2.9         | 106       | 8            |
| 11/05/24 19:00 | 2                            | 19                          | 0           | 6                        | 7                        | 1                        | 17.0       | 73        | 3.3         | 111       | 8            |
| 11/05/24 20:00 | 1                            | 32                          | 0           | 7                        | 7                        | 1                        | 16.2       | 73        | 3.4         | 104       | 9            |
| 11/05/24 21:00 | 3                            | 23                          | 0           | 8                        | 8                        | 1                        | 15.5       | 76        | 2.5         | 97        | 11           |
| 11/05/24 22:00 | 4                            | 32                          | 0           | 9                        | 10                       | 1                        | 14.8       | 79        | 1.3         | 106       | 17           |
| 11/05/24 23:00 | 2                            | 21                          | 3           | 11                       | 13                       | 1                        | 14.4       | 81        | 0.8         | 110       | 17           |
| 12/05/24 00:00 | 3                            | 22                          | 3           | 15                       | 17                       | 2                        | 14.0       | 82        | 0.8         | 98        | 10           |
| 12/05/24 01:00 | 5                            | 34                          | 21          | 19                       | 41                       | 1                        | 13.3       | 86        | 0.7         | 4         | 15           |
| 12/05/24 02:00 | 13                           | 30                          |             |                          |                          |                          | 12.2       | 91        | 1.8         | 350       | 13           |
| 12/05/24 03:00 | 9                            | 22                          | 26          | 16                       | 42                       | 1                        | 11.7       | 93        | 1.5         | 347       | 18           |
| 12/05/24 04:00 | 6                            | 20                          | 15          | 15                       | 30                       | 1                        | 11.4       | 94        | 1.3         | 351       | 19           |
| 12/05/24 05:00 | 7                            | 20                          | 12          | 14                       | 26                       | 1                        | 11.2       | 95        | 1.3         | 337       | 18           |
| 12/05/24 06:00 | 5                            | 15                          | 3           | 10                       | 12                       | 1                        | 10.8       | 98        | 1.4         | 328       | 19           |
| 12/05/24 07:00 | 6                            | 13                          | 4           | 15                       | 19                       | 1                        | 10.7       | 99        | 1.1         | 358       | 23           |
| 12/05/24 08:00 | 5                            | 11                          | 5           | 13                       | 18                       | 1                        | 10.6       | 100       | 1.0         | 12        | 20           |
| 12/05/24 09:00 | 3                            | 13                          | 10          | 11                       | 21                       | 1                        | 10.9       | 100       | 1.1         | 307       | 17           |
| 12/05/24 10:00 | 6                            | 20                          | 20          | 12                       | 32                       | 1                        | 12.2       | 91        | 0.5         | 295       | 34           |
| 12/05/24 11:00 | 8                            | 20                          | 21          | 13                       | 34                       | 1                        | 14.2       | 82        | 0.7         | 247       | 21           |
| 12/05/24 12:00 | 13                           | 22                          | 28          | 20                       | 48                       | 2                        | 15.1       | 82        | 1.8         | 198       | 11           |
| 12/05/24 13:00 | 18                           | 23                          | 24          | 19                       | 44                       | 3                        | 15.5       | 83        | 2.5         | 202       | 6            |
| 12/05/24 14:00 | 4                            | 12                          | 8           | 12                       | 21                       | 2                        | 16.9       | 77        | 1.6         | 172       | 19           |
| 12/05/24 15:00 | 10                           | 17                          | 5           | 10                       | 15                       | 1                        | 18.2       | 71        | 1.4         | 172       | 20           |
| 12/05/24 16:00 | 8                            | 12                          | 3           | 8                        | 12                       | 1                        | 17.3       | 75        | 2.7         | 197       | 6            |
| 12/05/24 17:00 | 9                            | 27                          | 40          | 23                       | 63                       | 1                        | 17.9       | 72        | 1.7         | 189       | 14           |
| 12/05/24 18:00 | 5                            | 8                           | 2           | 6                        | 8                        | 0                        | 16.3       | 81        | 1.0         | 141       | 20           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 12/05/24 19:00 | 1                            | 9                           | 0           | 11                       | 11                       | 0                        | 15.7       | 85        | 0.9         | 147       | 18           |
| 12/05/24 20:00 | 6                            | 18                          | 6           | 22                       | 29                       | 0                        | 15.0       | 87        | 0.1         | 133       | 24           |
| 12/05/24 21:00 | 15                           | 22                          | 12          | 25                       | 37                       | 1                        | 14.8       | 89        | 0.9         | 284       | 18           |
| 12/05/24 22:00 | 9                            | 25                          | 31          | 29                       | 60                       | 1                        | 14.6       | 89        | 0.9         | 304       | 15           |
| 12/05/24 23:00 | 12                           | 28                          | 47          | 30                       | 77                       | 1                        | 14.4       | 86        | 1.3         | 346       | 12           |
| 13/05/24 00:00 | 19                           | 35                          | 69          | 30                       | 99                       | 1                        | 14.0       | 87        | 1.0         | 329       | 18           |
| 13/05/24 01:00 | 16                           | 32                          | 61          | 24                       | 85                       | 1                        | 13.5       | 90        | 1.1         | 347       | 14           |
| 13/05/24 02:00 | 15                           | 31                          |             |                          |                          |                          | 13.3       | 90        | 2.2         | 356       | 8            |
| 13/05/24 03:00 | 16                           | 26                          | 42          | 19                       | 61                       | 1                        | 13.0       | 91        | 1.7         | 348       | 14           |
| 13/05/24 04:00 | 15                           | 35                          | 37          | 19                       | 55                       | 1                        | 12.6       | 91        | 1.0         | 350       | 20           |
| 13/05/24 05:00 | 16                           | 32                          | 41          | 16                       | 57                       | 1                        | 11.9       | 92        | 1.1         | 347       | 15           |
| 13/05/24 06:00 | 12                           | 31                          | 49          | 16                       | 65                       | 1                        | 11.4       | 92        | 0.8         | 8         | 21           |
| 13/05/24 07:00 | 19                           | 33                          | 67          | 17                       | 84                       | 2                        | 10.8       | 94        | 0.6         | 6         | 18           |
| 13/05/24 08:00 | 21                           | 59                          | 138         | 26                       | 165                      | 2                        | 11.1       | 91        | 1.5         | 356       | 13           |
| 13/05/24 09:00 | 18                           | 53                          | 104         | 24                       | 129                      | 2                        | 13.3       | 79        | 1.3         | 7         | 16           |
| 13/05/24 10:00 | 11                           | 27                          | 71          | 25                       | 96                       | 2                        | 15.7       | 67        | 1.1         | 3         | 23           |
| 13/05/24 11:00 | 9                            | 30                          | 49          | 24                       | 74                       | 2                        | 17.7       | 62        | 1.0         | 16        | 38           |
| 13/05/24 12:00 | 16                           | 32                          | 58          | 31                       | 89                       | 2                        | 17.5       | 69        | 2.1         | 202       | 17           |
| 13/05/24 13:00 | 7                            | 16                          | 10          | 8                        | 18                       | 1                        | 15.2       | 85        | 4.4         | 207       | 5            |
| 13/05/24 14:00 | 8                            | 21                          | 5           | 7                        | 12                       | 1                        | 16.8       | 78        | 2.1         | 182       | 12           |
| 13/05/24 15:00 | 10                           | 20                          | 4           | 7                        | 11                       | 1                        | 18.4       | 70        | 1.2         | 154       | 21           |
| 13/05/24 16:00 | 8                            | 17                          | 2           | 4                        | 6                        | 1                        | 17.3       | 77        | 1.0         | 148       | 24           |
| 13/05/24 17:00 | 6                            | 12                          | 0           | 3                        | 4                        | 1                        | 17.1       | 77        | 0.5         | 122       | 28           |
| 13/05/24 18:00 | 2                            | 16                          | 2           | 15                       | 17                       | 1                        | 17.4       | 76        | 1.9         | 230       | 13           |
| 13/05/24 19:00 | -1                           | 11                          | 1           | 8                        | 9                        | 1                        | 17.3       | 77        | 4.7         | 236       | 6            |
| 13/05/24 20:00 | 1                            | 7                           | 0           | 4                        | 4                        | 1                        | 16.5       | 79        | 5.7         | 238       | 6            |
| 13/05/24 21:00 | 5                            | 13                          | 1           | 7                        | 8                        | 1                        | 15.7       | 76        | 5.4         | 241       | 7            |
| 13/05/24 22:00 | 5                            | 21                          | 3           | 18                       | 21                       | 1                        | 15.3       | 74        | 3.7         | 255       | 7            |
| 13/05/24 23:00 | 3                            | 18                          | 1           | 13                       | 14                       | 1                        | 15.2       | 71        | 3.8         | 255       | 7            |
| 14/05/24 00:00 | 3                            | 22                          | 10          | 20                       | 30                       | 1                        | 15.0       | 69        | 3.6         | 250       | 9            |
| 14/05/24 01:00 | 7                            | 21                          | 1           | 11                       | 11                       | 2                        | 14.8       | 68        | 2.1         | 281       | 13           |
| 14/05/24 02:00 | 4                            | 18                          |             |                          |                          |                          | 14.9       | 64        | 3.9         | 255       | 9            |
| 14/05/24 03:00 | 2                            | 21                          | 0           | 9                        | 10                       | 2                        | 14.8       | 64        | 2.7         | 270       | 11           |
| 14/05/24 04:00 | 0                            | 22                          | 0           | 9                        | 9                        | 2                        | 14.7       | 65        | 3.2         | 263       | 8            |
| 14/05/24 05:00 | 2                            | 20                          | 1           | 15                       | 16                       | 2                        | 14.6       | 63        | 4.0         | 251       | 10           |
| 14/05/24 06:00 | 4                            | 20                          | 3           | 17                       | 20                       | 2                        | 14.5       | 63        | 3.4         | 270       | 9            |
| 14/05/24 07:00 | 4                            | 27                          | 3           | 19                       | 22                       | 1                        | 14.6       | 63        | 4.9         | 262       | 7            |
| 14/05/24 08:00 | 5                            | 21                          | 4           | 21                       | 25                       | 2                        | 14.6       | 63        | 4.4         | 258       | 7            |
| 14/05/24 09:00 |                              |                             |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 10:00 |                              |                             |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 11:00 |                              |                             |             |                          |                          |                          |            |           |             |           |              |
| 14/05/24 12:00 |                              | 13                          | 1           | 3                        | 5                        | 1                        | 15.5       | 67        | 4.5         | 235       | 6            |
| 14/05/24 13:00 |                              | 10                          | 1           | 2                        | 3                        | 1                        | 16.1       | 65        | 3.8         | 214       | 6            |
| 14/05/24 14:00 | 7                            | 33                          | 54          | 19                       | 72                       | 2                        | 17.1       | 61        | 2.3         | 189       | 15           |
| 14/05/24 15:00 | 4                            | 14                          | 10          | 12                       | 21                       | 2                        | 18.5       | 54        | 1.4         | 168       | 26           |
| 14/05/24 16:00 | 2                            | 19                          | 5           | 8                        | 13                       | 1                        | 18.1       | 57        | 1.6         | 164       | 24           |
| 14/05/24 17:00 | 3                            | 19                          | 2           | 6                        | 9                        | 1                        | 16.7       | 67        | 1.8         | 138       | 19           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 14/05/24 18:00 | 1                            | 11                          | 0           | 1                        | 1                        | 1                        | 15.5       | 70        | 1.3         | 144       | 18           |
| 14/05/24 19:00 | 1                            | 11                          | 0           | 6                        | 6                        | 1                        | 14.8       | 72        | 0.8         | 118       | 15           |
| 14/05/24 20:00 | 1                            | 16                          | 1           | 21                       | 22                       | 1                        | 14.2       | 71        | 1.1         | 95        | 11           |
| 14/05/24 21:00 | 14                           | 22                          | 12          | 27                       | 39                       | 1                        | 13.7       | 74        | 1.0         | 51        | 8            |
| 14/05/24 22:00 | 20                           | 42                          | 59          | 32                       | 90                       | 2                        | 13.0       | 77        | 1.1         | 24        | 10           |
| 14/05/24 23:00 | 23                           | 62                          | 113         | 34                       | 147                      | 2                        | 12.3       | 81        | 1.0         | 341       | 18           |
| 15/05/24 00:00 | 18                           | 39                          | 107         | 34                       | 141                      | 2                        | 11.8       | 84        | 1.0         | 323       | 18           |
| 15/05/24 01:00 | 13                           | 38                          | 90          | 30                       | 120                      | 2                        | 11.2       | 85        | 1.5         | 325       | 12           |
| 15/05/24 02:00 | 14                           | 35                          |             |                          |                          |                          | 10.7       | 85        | 1.4         | 342       | 14           |
| 15/05/24 03:00 | 15                           | 31                          | 58          | 25                       | 83                       | 2                        | 9.9        | 86        | 1.7         | 358       | 15           |
| 15/05/24 04:00 | 11                           | 28                          | 38          | 18                       | 56                       | 1                        | 9.7        | 86        | 1.3         | 313       | 16           |
| 15/05/24 05:00 | 8                            | 21                          | 30          | 18                       | 48                       | 1                        | 9.2        | 86        | 1.5         | 331       | 17           |
| 15/05/24 06:00 | 11                           | 21                          | 46          | 17                       | 63                       | 1                        | 8.7        | 87        | 2.2         | 358       | 14           |
| 15/05/24 07:00 | 9                            | 31                          | 62          | 20                       | 82                       | 1                        | 8.9        | 86        | 1.5         | 359       | 19           |
| 15/05/24 08:00 | 12                           | 37                          | 102         | 26                       | 128                      | 2                        | 9.2        | 85        | 1.2         | 2         | 19           |
| 15/05/24 09:00 | 13                           | 45                          | 131         | 28                       | 158                      | 2                        | 10.5       | 80        | 1.1         | 351       | 24           |
| 15/05/24 10:00 | 11                           | 45                          | 107         | 29                       | 137                      | 2                        | 12.4       | 73        | 1.2         | 357       | 30           |
| 15/05/24 11:00 | 11                           | 38                          | 56          | 28                       | 84                       | 2                        | 14.7       | 65        | 1.1         | 318       | 30           |
| 15/05/24 12:00 | 6                            | 22                          | 18          | 16                       | 35                       | 2                        | 15.9       | 60        | 2.1         | 267       | 19           |
| 15/05/24 13:00 | 1                            | 16                          | 9           | 9                        | 18                       | 1                        | 16.7       | 58        | 1.7         | 217       | 15           |
| 15/05/24 14:00 | 4                            | 26                          | 12          | 15                       | 27                       | 1                        | 17.5       | 59        | 2.0         | 151       | 20           |
| 15/05/24 15:00 | 4                            | 28                          | 6           | 11                       | 17                       | 1                        | 17.6       | 60        | 1.8         | 174       | 21           |
| 15/05/24 16:00 | 4                            | 23                          | 4           | 8                        | 11                       | 1                        | 17.7       | 60        | 2.0         | 180       | 15           |
| 15/05/24 17:00 | 3                            | 18                          | 2           | 5                        | 7                        | 1                        | 17.5       | 61        | 1.3         | 141       | 16           |
| 15/05/24 18:00 | 5                            | 12                          | 0           | 3                        | 4                        | 0                        | 15.9       | 70        | 1.6         | 137       | 17           |
| 15/05/24 19:00 | 8                            | 26                          | 1           | 18                       | 19                       | 0                        | 15.2       | 68        | 1.9         | 95        | 11           |
| 15/05/24 20:00 | 14                           | 29                          | 7           | 31                       | 37                       | 1                        | 14.4       | 69        | 1.8         | 58        | 9            |
| 15/05/24 21:00 | 15                           | 30                          | 16          | 32                       | 49                       | 0                        | 13.8       | 72        | 1.4         | 43        | 7            |
| 15/05/24 22:00 | 16                           | 78                          | 74          | 36                       | 111                      | 1                        | 13.6       | 74        | 1.1         | 331       | 14           |
| 15/05/24 23:00 | 26                           | 92                          | 101         | 35                       | 136                      | 2                        | 12.8       | 78        | 1.1         | 329       | 18           |
| 16/05/24 00:00 | 21                           | 72                          | 120         | 33                       | 153                      | 2                        | 11.8       | 82        | 0.9         | 343       | 21           |
| 16/05/24 01:00 | 16                           | 48                          | 93          | 29                       | 122                      | 1                        | 11.0       | 84        | 1.8         | 360       | 9            |
| 16/05/24 02:00 | 8                            | 33                          |             |                          |                          |                          | 10.5       | 84        | 1.8         | 359       | 12           |
| 16/05/24 03:00 | 12                           | 31                          | 29          | 23                       | 52                       | 1                        | 10.5       | 84        | 1.7         | 353       | 15           |
| 16/05/24 04:00 | 7                            | 31                          | 36          | 22                       | 57                       | 1                        | 10.1       | 86        | 1.7         | 358       | 13           |
| 16/05/24 05:00 | 6                            | 24                          | 31          | 23                       | 54                       | 1                        | 10.0       | 86        | 1.4         | 341       | 23           |
| 16/05/24 06:00 | 8                            | 29                          | 55          | 22                       | 77                       | 1                        | 9.4        | 88        | 1.7         | 3         | 17           |
| 16/05/24 07:00 | 6                            | 30                          | 49          | 22                       | 70                       | 1                        | 9.1        | 89        | 1.1         | 18        | 16           |
| 16/05/24 08:00 | 10                           | 44                          | 91          | 24                       | 114                      | 1                        | 9.3        | 89        | 0.6         | 294       | 15           |
| 16/05/24 09:00 | 16                           | 49                          | 135         | 28                       | 163                      | 2                        | 11.1       | 78        | 0.4         | 31        | 25           |
| 16/05/24 10:00 | 12                           | 47                          | 90          | 28                       | 118                      | 2                        | 13.6       | 69        | 0.1         | 197       | 33           |
| 16/05/24 11:00 | 16                           | 52                          | 104         | 31                       | 135                      | 2                        | 14.8       | 68        | 0.7         | 196       | 19           |
| 16/05/24 12:00 | 20                           | 56                          | 101         | 38                       | 139                      | 3                        | 16.2       | 64        | 0.8         | 181       | 19           |
| 16/05/24 13:00 | 17                           | 45                          | 77          | 37                       | 115                      | 3                        | 17.6       | 61        | 1.0         | 159       | 31           |
| 16/05/24 14:00 | 8                            | 27                          | 29          | 26                       | 56                       | 2                        | 18.0       | 63        | 1.1         | 165       | 30           |
| 16/05/24 15:00 | 4                            | 17                          | 10          | 16                       | 26                       | 1                        | 18.0       | 66        | 1.5         | 173       | 25           |
| 16/05/24 16:00 | 0                            | 15                          | 3           | 8                        | 10                       | 1                        | 18.0       | 65        | 1.3         | 153       | 24           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 16/05/24 17:00 | -1                           | 8                           | 1           | 4                        | 4                        | 0                        | 17.6       | 67        | 1.0         | 154       | 24           |
| 16/05/24 18:00 | -1                           | 8                           | 0           | 2                        | 2                        | 0                        | 16.1       | 74        | 1.2         | 136       | 16           |
| 16/05/24 19:00 | 7                            | 28                          | 17          | 27                       | 44                       | 0                        | 15.1       | 76        | 1.2         | 74        | 8            |
| 16/05/24 20:00 | 19                           | 43                          | 50          | 35                       | 85                       | 1                        | 14.6       | 74        | 1.1         | 43        | 9            |
| 16/05/24 21:00 | 18                           | 98                          | 134         | 40                       | 174                      | 2                        | 14.5       | 75        | 1.5         | 336       | 10           |
| 16/05/24 22:00 | 21                           | 63                          | 93          | 35                       | 128                      | 2                        | 14.1       | 76        | 1.3         | 329       | 20           |
| 16/05/24 23:00 | 18                           | 48                          | 97          | 36                       | 134                      | 2                        | 13.3       | 79        | 0.8         | 336       | 28           |
| 17/05/24 00:00 | 18                           | 54                          | 116         | 35                       | 151                      | 2                        | 12.6       | 82        | 0.8         | 337       | 23           |
| 17/05/24 01:00 | 21                           | 56                          | 99          | 29                       | 128                      | 1                        | 11.4       | 88        | 0.5         | 358       | 19           |
| 17/05/24 02:00 | 19                           | 48                          |             |                          |                          |                          | 11.0       | 89        | 0.9         | 338       | 23           |
| 17/05/24 03:00 | 16                           | 40                          | 60          | 24                       | 84                       | 1                        | 11.4       | 85        | 1.7         | 310       | 12           |
| 17/05/24 04:00 | 14                           | 40                          | 67          | 23                       | 90                       | 1                        | 11.0       | 87        | 1.5         | 334       | 16           |
| 17/05/24 05:00 | 10                           | 30                          | 64          | 20                       | 84                       | 1                        | 10.4       | 89        | 2.3         | 358       | 10           |
| 17/05/24 06:00 | 9                            | 26                          | 44          | 22                       | 66                       | 1                        | 10.7       | 90        | 2.1         | 351       | 17           |
| 17/05/24 07:00 | 13                           | 30                          | 55          | 24                       | 79                       | 1                        | 10.9       | 89        | 2.0         | 351       | 16           |
| 17/05/24 08:00 | 20                           | 47                          | 118         | 28                       | 145                      | 2                        | 10.9       | 86        | 2.7         | 347       | 13           |
| 17/05/24 09:00 | 13                           | 52                          | 115         | 28                       | 143                      | 2                        | 11.2       | 84        | 2.2         | 350       | 15           |
| 17/05/24 10:00 | 10                           | 43                          | 64          | 25                       | 89                       | 3                        | 13.3       | 79        | 1.8         | 330       | 24           |
| 17/05/24 11:00 | 6                            | 20                          | 14          | 16                       | 30                       | 2                        | 15.5       | 73        | 1.7         | 293       | 20           |
| 17/05/24 12:00 | 4                            | 18                          | 4           | 10                       | 14                       | 2                        | 15.9       | 74        | 3.8         | 240       | 7            |
| 17/05/24 13:00 | 2                            | 12                          | 1           | 4                        | 5                        | 1                        | 15.5       | 84        | 4.0         | 223       | 5            |
| 17/05/24 14:00 | 1                            | 16                          | 1           | 4                        | 5                        | 1                        | 15.9       | 79        | 5.1         | 230       | 6            |
| 17/05/24 15:00 | 0                            | 13                          | 1           | 2                        | 3                        | 1                        | 14.5       | 87        | 8.1         | 210       | 5            |
| 17/05/24 16:00 | 1                            | 29                          | 0           | 1                        | 1                        | 1                        | 14.5       | 83        | 7.2         | 202       | 6            |
| 17/05/24 17:00 | 5                            | 27                          | 0           | 1                        | 1                        | 1                        | 15.5       | 64        | 7.3         | 198       | 7            |
| 17/05/24 18:00 | 4                            | 28                          | 0           | 1                        | 1                        | 1                        | 15.1       | 59        | 6.9         | 198       | 6            |
| 17/05/24 19:00 | 3                            | 26                          | 0           | 1                        | 1                        | 1                        | 15.0       | 62        | 7.1         | 201       | 6            |
| 17/05/24 20:00 | 3                            | 22                          | 0           | 1                        | 1                        | 1                        | 14.0       | 72        | 6.6         | 193       | 10           |
| 17/05/24 21:00 | 5                            | 30                          | 0           | 1                        | 1                        | 0                        | 13.0       | 82        | 6.0         | 206       | 8            |
| 17/05/24 22:00 | 3                            | 22                          | 0           | 1                        | 1                        | 0                        | 12.8       | 81        | 5.7         | 191       | 12           |
| 17/05/24 23:00 | 1                            | 35                          | 0           | 1                        | 1                        | 0                        | 13.2       | 73        | 5.8         | 183       | 13           |
| 18/05/24 00:00 | 4                            | 29                          | 0           | 1                        | 1                        | 0                        | 13.2       | 71        | 4.4         | 176       | 19           |
| 18/05/24 01:00 | 4                            | 22                          | 0           | 1                        | 1                        | 1                        | 12.7       | 70        | 5.1         | 173       | 14           |
| 18/05/24 02:00 | 1                            | 24                          |             |                          |                          |                          | 12.6       | 65        | 3.9         | 166       | 23           |
| 18/05/24 03:00 | 3                            | 28                          | 0           | 1                        | 1                        | 1                        | 12.7       | 61        | 3.9         | 166       | 24           |
| 18/05/24 04:00 | 4                            | 31                          | 0           | 1                        | 1                        | 1                        | 12.6       | 58        | 4.3         | 174       | 20           |
| 18/05/24 05:00 | 2                            | 31                          | 0           | 1                        | 1                        | 1                        | 12.4       | 58        | 4.4         | 176       | 19           |
| 18/05/24 06:00 | 5                            | 29                          | 0           | 1                        | 1                        | 1                        | 12.3       | 58        | 4.0         | 167       | 22           |
| 18/05/24 07:00 | 5                            | 26                          | 0           | 1                        | 1                        | 1                        | 12.2       | 59        | 3.3         | 169       | 23           |
| 18/05/24 08:00 | 3                            | 34                          | 0           | 2                        | 2                        | 1                        | 11.9       | 62        | 2.9         | 130       | 16           |
| 18/05/24 09:00 | 2                            | 21                          | 1           | 5                        | 6                        | 1                        | 12.1       | 61        | 3.1         | 119       | 13           |
| 18/05/24 10:00 | 2                            | 36                          | 2           | 6                        | 9                        | 1                        | 12.6       | 55        | 3.5         | 111       | 10           |
| 18/05/24 11:00 | 5                            | 22                          | 2           | 5                        | 7                        | 1                        | 13.5       | 51        | 2.8         | 129       | 17           |
| 18/05/24 12:00 | 4                            | 22                          | 1           | 2                        | 3                        | 1                        | 14.1       | 49        | 2.4         | 136       | 22           |
| 18/05/24 13:00 | 7                            | 21                          | 0           | 1                        | 2                        | 1                        | 14.2       | 50        | 2.5         | 181       | 18           |
| 18/05/24 14:00 | 4                            | 18                          | 0           | 1                        | 1                        | 1                        | 14.3       | 49        | 3.3         | 189       | 13           |
| 18/05/24 15:00 | 3                            | 24                          | 0           | 1                        | 1                        | 1                        | 14.6       | 48        | 2.8         | 192       | 13           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 18/05/24 16:00 | 3                            | 21                          | 0           | 1                        | 1                        | 1                        | 13.9       | 53        | 4.3         | 205       | 7            |
| 18/05/24 17:00 | 3                            | 17                          | 0           | 1                        | 1                        | 1                        | 13.6       | 55        | 3.8         | 209       | 6            |
| 18/05/24 18:00 | 3                            | 22                          | 0           | 1                        | 2                        | 1                        | 13.2       | 57        | 3.6         | 210       | 7            |
| 18/05/24 19:00 | 3                            | 18                          | 0           | 1                        | 2                        | 1                        | 13.0       | 56        | 2.7         | 204       | 9            |
| 18/05/24 20:00 | 1                            | 22                          | 0           | 1                        | 1                        | 1                        | 12.7       | 55        | 1.8         | 191       | 13           |
| 18/05/24 21:00 | 0                            | 18                          | 5           | 13                       | 17                       | 2                        | 12.5       | 60        | 1.8         | 225       | 14           |
| 18/05/24 22:00 | 8                            | 23                          | 9           | 28                       | 37                       | 2                        | 10.9       | 70        | 1.9         | 288       | 12           |
| 18/05/24 23:00 | 7                            | 25                          | 18          | 26                       | 44                       | 2                        | 9.3        | 72        | 2.1         | 302       | 14           |
| 19/05/24 00:00 | 6                            | 18                          | 12          | 23                       | 36                       | 2                        | 8.8        | 72        | 2.1         | 313       | 15           |
| 19/05/24 01:00 | 9                            | 25                          | 6           | 21                       | 27                       | 2                        | 8.3        | 73        | 2.5         | 311       | 10           |
| 19/05/24 02:00 | 7                            | 25                          |             |                          |                          |                          | 8.6        | 73        | 2.8         | 313       | 11           |
| 19/05/24 03:00 | 5                            | 19                          | 1           | 9                        | 10                       | 1                        | 9.4        | 72        | 3.0         | 306       | 13           |
| 19/05/24 04:00 | 7                            | 23                          | 0           | 7                        | 7                        | 1                        | 10.1       | 70        | 3.4         | 295       | 12           |
| 19/05/24 05:00 | 5                            | 20                          | 0           | 7                        | 7                        | 1                        | 10.3       | 72        | 2.7         | 302       | 12           |
| 19/05/24 06:00 | 1                            | 12                          | 0           | 6                        | 6                        | 1                        | 10.5       | 72        | 2.4         | 302       | 13           |
| 19/05/24 07:00 | 3                            | 15                          | 0           | 6                        | 6                        | 1                        | 10.7       | 74        | 2.7         | 299       | 13           |
| 19/05/24 08:00 | 3                            | 11                          | 0           | 8                        | 8                        | 1                        | 10.9       | 77        | 2.6         | 296       | 14           |
| 19/05/24 09:00 | 1                            | 12                          | 1           | 9                        | 10                       | 2                        | 11.6       | 77        | 2.3         | 301       | 15           |
| 19/05/24 10:00 | 2                            | 14                          | 2           | 9                        | 10                       | 1                        | 12.5       | 76        | 2.2         | 303       | 16           |
| 19/05/24 11:00 | 0                            | 12                          | 2           | 5                        | 7                        | 1                        | 14.0       | 76        | 3.8         | 268       | 12           |
| 19/05/24 12:00 | 0                            | 11                          | 2           | 7                        | 9                        | 2                        | 15.1       | 75        | 6.2         | 258       | 9            |
| 19/05/24 13:00 | 0                            | 11                          | 2           | 6                        | 8                        | 2                        | 15.6       | 74        | 6.9         | 254       | 7            |
| 19/05/24 14:00 | -3                           | 10                          | 1           | 3                        | 5                        | 2                        | 14.5       | 87        | 5.9         | 238       | 7            |
| 19/05/24 15:00 | -2                           | 6                           | 1           | 4                        | 6                        | 2                        | 14.3       | 92        | 3.2         | 260       | 11           |
| 19/05/24 16:00 | 3                            | 10                          | 2           | 8                        | 10                       | 2                        | 15.0       | 86        | 3.0         | 223       | 8            |
| 19/05/24 17:00 | 2                            | 15                          | 0           | 3                        | 4                        | 2                        | 15.1       | 83        | 2.4         | 226       | 8            |
| 19/05/24 18:00 | 2                            | 16                          | 0           | 3                        | 3                        | 2                        | 15.0       | 82        | 3.9         | 216       | 10           |
| 19/05/24 19:00 | 3                            | 21                          | 0           | 2                        | 2                        | 2                        | 14.8       | 83        | 5.0         | 211       | 5            |
| 19/05/24 20:00 | 2                            | 13                          | 0           | 2                        | 2                        | 2                        | 14.7       | 80        | 4.8         | 227       | 6            |
| 19/05/24 21:00 | 4                            | 20                          | 1           | 14                       | 14                       | 2                        | 14.1       | 83        | 3.8         | 260       | 7            |
| 19/05/24 22:00 | 11                           | 22                          | 2           | 15                       | 17                       | 3                        | 13.7       | 81        | 3.9         | 255       | 7            |
| 19/05/24 23:00 | 6                            | 10                          | 1           | 10                       | 11                       | 3                        | 13.4       | 80        | 4.2         | 251       | 8            |
| 20/05/24 00:00 | 2                            | 11                          | 1           | 12                       | 13                       | 4                        | 13.3       | 80        | 4.7         | 249       | 7            |
| 20/05/24 01:00 | 1                            | 13                          | 0           | 2                        | 2                        | 3                        | 12.8       | 86        | 5.5         | 238       | 6            |
| 20/05/24 02:00 | 1                            | 14                          |             |                          |                          |                          | 12.3       | 86        | 3.9         | 256       | 8            |
| 20/05/24 03:00 | 1                            | 12                          | 0           | 9                        | 9                        | 2                        | 12.1       | 88        | 4.3         | 250       | 8            |
| 20/05/24 04:00 | 3                            | 7                           | 0           | 5                        | 6                        | 1                        | 11.9       | 93        | 5.1         | 243       | 8            |
| 20/05/24 05:00 | 2                            | 9                           | 0           | 5                        | 5                        | 1                        | 11.7       | 96        | 4.8         | 245       | 8            |
| 20/05/24 06:00 | 2                            | 9                           | 1           | 8                        | 9                        | 1                        | 11.8       | 95        | 4.9         | 248       | 7            |
| 20/05/24 07:00 | 4                            | 14                          | 4           | 14                       | 19                       | 1                        | 11.6       | 95        | 4.8         | 255       | 7            |
| 20/05/24 08:00 | 2                            | 12                          | 5           | 17                       | 22                       | 2                        | 11.3       | 95        | 5.0         | 249       | 7            |
| 20/05/24 09:00 | 0                            | 9                           | 4           | 9                        | 13                       | 2                        | 11.7       | 95        | 4.8         | 244       | 7            |
| 20/05/24 10:00 | -1                           | 7                           | 2           | 6                        | 8                        | 1                        | 12.4       | 94        | 4.8         | 239       | 6            |
| 20/05/24 11:00 | 1                            | 13                          | 2           | 5                        | 7                        | 1                        | 13.5       | 89        | 2.3         | 219       | 18           |
| 20/05/24 12:00 | 2                            | 9                           | 2           | 5                        | 7                        | 1                        | 13.8       | 87        | 4.1         | 223       | 8            |
| 20/05/24 13:00 | 2                            | 10                          | 1           | 3                        | 4                        | 1                        | 14.2       | 83        | 4.7         | 219       | 7            |
| 20/05/24 14:00 | -1                           | 12                          | 1           | 2                        | 3                        | 1                        | 14.6       | 76        | 4.7         | 203       | 5            |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 20/05/24 15:00 | 0                            | 11                          | 0           | 1                        | 1                        | 1                        | 14.4       | 80        | 5.5         | 208       | 4            |
| 20/05/24 16:00 | 2                            | 10                          | 0           | 1                        | 1                        | 1                        | 14.5       | 78        | 5.5         | 207       | 4            |
| 20/05/24 17:00 | 1                            | 7                           | 0           | 1                        | 2                        | 1                        | 13.9       | 82        | 5.6         | 214       | 5            |
| 20/05/24 18:00 | 0                            | 9                           | 1           | 4                        | 4                        | 1                        | 13.7       | 82        | 3.4         | 193       | 13           |
| 20/05/24 19:00 | -1                           | 6                           | 1           | 3                        | 4                        | 1                        | 13.6       | 80        | 5.5         | 199       | 7            |
| 20/05/24 20:00 | -1                           | 10                          | 0           | 1                        | 1                        | 1                        | 13.5       | 78        | 2.0         | 167       | 23           |
| 20/05/24 21:00 | 0                            | 7                           | 0           | 1                        | 1                        | 1                        | 13.4       | 81        | 2.0         | 184       | 14           |
| 20/05/24 22:00 | -2                           | 6                           | 0           | 1                        | 1                        | 1                        | 13.7       | 81        | 2.1         | 162       | 24           |
| 20/05/24 23:00 | -2                           | 6                           | 0           | 1                        | 1                        | 1                        | 13.6       | 81        | 1.8         | 135       | 18           |
| 21/05/24 00:00 | 7                            | 12                          | 0           | 6                        | 6                        | 1                        | 12.5       | 86        | 1.2         | 88        | 19           |
| 21/05/24 01:00 | 4                            | 20                          | 0           | 7                        | 7                        | 1                        | 12.3       | 90        | 0.3         | 64        | 30           |
| 21/05/24 02:00 | 0                            | 11                          |             |                          |                          |                          | 12.2       | 89        | 0.9         | 77        | 18           |
| 21/05/24 03:00 | -1                           | 7                           | 0           | 9                        | 9                        | 2                        | 12.1       | 92        | 0.3         | 332       | 17           |
| 21/05/24 04:00 | 1                            | 5                           | 1           | 19                       | 20                       | 2                        | 12.2       | 91        | 0.9         | 291       | 16           |
| 21/05/24 05:00 | 0                            | 6                           | 1           | 12                       | 13                       | 2                        | 12.1       | 92        | 1.7         | 289       | 15           |
| 21/05/24 06:00 | 1                            | 10                          | 2           | 16                       | 19                       | 2                        | 11.5       | 90        | 1.7         | 291       | 14           |
| 21/05/24 07:00 | 3                            | 17                          | 17          | 22                       | 39                       | 2                        | 11.2       | 87        | 1.2         | 304       | 16           |
| 21/05/24 08:00 | 3                            | 16                          | 19          | 22                       | 41                       | 2                        | 11.2       | 90        | 1.0         | 296       | 21           |
| 21/05/24 09:00 | 3                            | 12                          | 29          | 24                       | 53                       | 2                        | 11.6       | 94        | 2.1         | 274       | 11           |
| 21/05/24 10:00 | 1                            | 14                          | 7           | 21                       | 28                       | 2                        | 11.4       | 95        | 1.1         | 297       | 19           |
| 21/05/24 11:00 | 2                            | 13                          | 17          | 20                       | 37                       | 2                        | 12.0       | 90        | 0.6         | 304       | 17           |
| 21/05/24 12:00 | 2                            | 11                          | 8           | 11                       | 19                       | 2                        | 13.1       | 79        | 1.4         | 239       | 10           |
| 21/05/24 13:00 | 0                            | 11                          | 1           | 3                        | 5                        | 2                        | 13.7       | 74        | 2.3         | 223       | 6            |
| 21/05/24 14:00 | 0                            | 11                          | 1           | 3                        | 4                        | 2                        | 13.7       | 74        | 2.5         | 231       | 7            |
| 21/05/24 15:00 | 1                            | 17                          | 1           | 3                        | 3                        | 2                        | 14.4       | 69        | 3.2         | 210       | 6            |
| 21/05/24 16:00 | 1                            | 16                          | 7           | 9                        | 15                       | 2                        | 14.3       | 71        | 3.8         | 205       | 6            |
| 21/05/24 17:00 | 4                            | 16                          | 8           | 8                        | 16                       | 2                        | 14.4       | 68        | 4.5         | 208       | 5            |
| 21/05/24 18:00 | 3                            | 15                          | 0           | 1                        | 1                        | 2                        | 14.1       | 70        | 4.1         | 205       | 6            |
| 21/05/24 19:00 | 2                            | 11                          | 0           | 2                        | 2                        | 2                        | 13.7       | 70        | 3.4         | 198       | 7            |
| 21/05/24 20:00 | 1                            | 13                          | 0           | 3                        | 3                        | 2                        | 13.8       | 74        | 2.9         | 199       | 8            |
| 21/05/24 21:00 | 5                            | 18                          | 0           | 2                        | 2                        | 2                        | 14.0       | 75        | 3.4         | 197       | 8            |
| 21/05/24 22:00 | 6                            | 23                          | 1           | 14                       | 15                       | 2                        | 13.4       | 75        | 1.2         | 123       | 10           |
| 21/05/24 23:00 | 10                           | 27                          | 11          | 25                       | 37                       | 2                        | 12.4       | 77        | 1.2         | 62        | 10           |
| 22/05/24 00:00 | 13                           | 37                          | 64          | 29                       | 92                       | 2                        | 11.7       | 82        | 1.4         | 348       | 14           |
| 22/05/24 01:00 | 9                            | 33                          | 56          | 26                       | 82                       | 2                        | 11.1       | 85        | 1.1         | 345       | 13           |
| 22/05/24 02:00 | 9                            | 36                          |             |                          |                          |                          | 10.0       | 88        | 1.4         | 4         | 13           |
| 22/05/24 03:00 | 18                           | 36                          | 60          | 18                       | 78                       | 2                        | 8.8        | 90        | 1.0         | 20        | 14           |
| 22/05/24 04:00 | 16                           | 32                          | 48          | 18                       | 66                       | 1                        | 8.1        | 91        | 1.2         | 26        | 9            |
| 22/05/24 05:00 | 17                           | 35                          | 30          | 15                       | 45                       | 1                        | 7.7        | 91        | 1.8         | 37        | 6            |
| 22/05/24 06:00 | 16                           | 23                          | 26          | 14                       | 40                       | 1                        | 7.5        | 91        | 1.7         | 34        | 7            |
| 22/05/24 07:00 | 16                           | 30                          | 62          | 20                       | 82                       | 1                        | 7.3        | 92        | 1.3         | 19        | 11           |
| 22/05/24 08:00 | 15                           | 40                          | 93          | 23                       | 116                      | 2                        | 7.6        | 90        | 1.4         | 35        | 9            |
| 22/05/24 09:00 | 12                           | 31                          | 99          | 20                       | 119                      | 2                        | 9.1        | 81        | 1.4         | 46        | 11           |
| 22/05/24 10:00 | 12                           | 38                          | 102         | 27                       | 129                      | 2                        | 11.7       | 75        | 0.9         | 9         | 23           |
| 22/05/24 11:00 | 13                           | 42                          | 66          | 28                       | 94                       | 2                        | 13.3       | 73        | 0.6         | 274       | 24           |
| 22/05/24 12:00 | 11                           | 44                          | 80          | 33                       | 113                      | 2                        | 15.3       | 67        | 0.8         | 155       | 21           |
| 22/05/24 13:00 | 12                           | 45                          | 65          | 34                       | 98                       | 2                        | 15.1       | 72        | 0.9         | 142       | 20           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 22/05/24 14:00 | 13                           | 48                          | 50          | 31                       | 80                       | 3                        | 16.8       | 67        | 1.2         | 162       | 27           |
| 22/05/24 15:00 | 10                           | 28                          | 21          | 19                       | 40                       | 3                        | 17.7       | 64        | 1.0         | 163       | 27           |
| 22/05/24 16:00 | 5                            | 16                          | 4           | 9                        | 13                       | 2                        | 17.7       | 65        | 1.1         | 160       | 24           |
| 22/05/24 17:00 | 3                            | 15                          | 2           | 10                       | 12                       | 1                        | 15.9       | 76        | 1.3         | 209       | 15           |
| 22/05/24 18:00 | 2                            | 10                          | 1           | 4                        | 5                        | 1                        | 14.6       | 87        | 2.7         | 222       | 5            |
| 22/05/24 19:00 | 0                            | 14                          | 1           | 9                        | 10                       | 1                        | 14.7       | 85        | 2.0         | 222       | 7            |
| 22/05/24 20:00 | 1                            | 10                          | 0           | 5                        | 5                        | 1                        | 14.7       | 85        | 3.0         | 222       | 8            |
| 22/05/24 21:00 | 0                            | 6                           | 0           | 1                        | 1                        | 1                        | 14.4       | 89        | 4.7         | 227       | 5            |
| 22/05/24 22:00 | -3                           | 5                           | 0           | 1                        | 1                        | 1                        | 14.6       | 85        | 2.2         | 212       | 7            |
| 22/05/24 23:00 | -3                           | 5                           | 0           | 4                        | 4                        | 1                        | 14.4       | 87        | 1.3         | 204       | 10           |
| 23/05/24 00:00 | 1                            | 7                           | 0           | 9                        | 9                        | 1                        | 14.1       | 91        | 1.2         | 264       | 11           |
| 23/05/24 01:00 | 2                            | 14                          | 5           | 22                       | 28                       | 1                        | 13.8       | 91        | 2.9         | 262       | 7            |
| 23/05/24 02:00 | 2                            | 13                          |             |                          |                          |                          | 13.5       | 92        | 3.5         | 251       | 8            |
| 23/05/24 03:00 | 2                            | 8                           | 3           | 15                       | 18                       | 1                        | 13.2       | 94        | 3.2         | 249       | 9            |
| 23/05/24 04:00 | 2                            | 12                          | 2           | 13                       | 15                       | 1                        | 13.1       | 93        | 3.2         | 256       | 8            |
| 23/05/24 05:00 | 0                            | 12                          | 1           | 11                       | 12                       | 1                        | 12.9       | 93        | 1.6         | 284       | 14           |
| 23/05/24 06:00 | 0                            | 12                          | 1           | 17                       | 18                       | 1                        | 12.7       | 93        | 0.8         | 312       | 19           |
| 23/05/24 07:00 | 2                            | 15                          | 11          | 22                       | 33                       | 1                        | 12.9       | 90        | 0.7         | 282       | 31           |
| 23/05/24 08:00 | 3                            | 14                          | 17          | 21                       | 38                       | 1                        | 13.0       | 88        | 1.6         | 267       | 13           |
| 23/05/24 09:00 | 2                            | 14                          | 21          | 20                       | 41                       | 1                        | 12.8       | 87        | 1.4         | 280       | 15           |
| 23/05/24 10:00 | 4                            | 18                          | 15          | 19                       | 34                       | 1                        | 12.9       | 83        | 1.5         | 242       | 11           |
| 23/05/24 11:00 | 6                            | 23                          | 20          | 20                       | 40                       | 1                        | 14.9       | 74        | 0.9         | 183       | 22           |
| 23/05/24 12:00 | 5                            | 15                          | 13          | 14                       | 27                       | 1                        | 15.7       | 71        | 1.0         | 153       | 27           |
| 23/05/24 13:00 | 2                            | 14                          | 5           | 7                        | 13                       | 1                        | 16.2       | 71        | 1.2         | 162       | 28           |
| 23/05/24 14:00 | 1                            | 16                          | 7           | 10                       | 17                       | 1                        | 16.3       | 71        | 1.4         | 161       | 24           |
| 23/05/24 15:00 | 3                            | 10                          | 2           | 4                        | 6                        | 1                        | 16.3       | 67        | 1.9         | 186       | 14           |
| 23/05/24 16:00 | 2                            | 10                          | 1           | 4                        | 5                        | 1                        | 16.4       | 63        | 1.8         | 191       | 13           |
| 23/05/24 17:00 | 0                            | 10                          | 1           | 2                        | 2                        | 1                        | 15.9       | 61        | 1.1         | 169       | 17           |
| 23/05/24 18:00 | -1                           | 7                           | 0           | 2                        | 2                        | 1                        | 14.7       | 70        | 1.2         | 141       | 19           |
| 23/05/24 19:00 | 3                            | 13                          | 2           | 14                       | 16                       | 1                        | 13.9       | 71        | 0.8         | 88        | 12           |
| 23/05/24 20:00 | 9                            | 21                          | 8           | 27                       | 36                       | 1                        | 13.3       | 73        | 0.9         | 107       | 14           |
| 23/05/24 21:00 | 12                           | 20                          | 9           | 27                       | 36                       | 1                        | 12.9       | 73        | 1.0         | 75        | 7            |
| 23/05/24 22:00 | 18                           | 42                          | 45          | 32                       | 77                       | 1                        | 12.3       | 75        | 0.8         | 17        | 9            |
| 23/05/24 23:00 | 22                           | 69                          | 139         | 36                       | 175                      | 2                        | 11.7       | 82        | 1.4         | 334       | 14           |
| 24/05/24 00:00 | 14                           | 42                          | 85          | 30                       | 115                      | 2                        | 11.1       | 83        | 1.2         | 327       | 14           |
| 24/05/24 01:00 | 12                           | 35                          | 61          | 27                       | 88                       | 1                        | 10.4       | 83        | 1.2         | 352       | 12           |
| 24/05/24 02:00 | 10                           | 33                          |             |                          |                          |                          | 10.0       | 84        | 1.5         | 348       | 18           |
| 24/05/24 03:00 | 8                            | 28                          | 38          | 21                       | 59                       | 1                        | 9.3        | 85        | 1.5         | 355       | 15           |
| 24/05/24 04:00 | 12                           | 25                          | 27          | 20                       | 46                       | 1                        | 8.8        | 86        | 1.3         | 8         | 10           |
| 24/05/24 05:00 | 10                           | 26                          | 34          | 20                       | 54                       | 1                        | 8.7        | 86        | 1.3         | 355       | 15           |
| 24/05/24 06:00 | 15                           | 33                          | 67          | 20                       | 87                       | 1                        | 8.6        | 86        | 1.5         | 351       | 21           |
| 24/05/24 07:00 | 16                           | 35                          | 76          | 21                       | 97                       | 1                        | 8.5        | 86        | 0.9         | 52        | 16           |
| 24/05/24 08:00 | 18                           | 31                          | 82          | 21                       | 102                      | 2                        | 9.0        | 84        | 0.9         | 21        | 20           |
| 24/05/24 09:00 | 7                            | 41                          | 81          | 24                       | 106                      | 1                        | 9.9        | 81        | 1.5         | 360       | 19           |
| 24/05/24 10:00 | 10                           | 54                          | 100         | 28                       | 128                      | 2                        | 10.9       | 78        | 1.3         | 360       | 21           |
| 24/05/24 11:00 | 11                           | 37                          | 82          | 29                       | 111                      | 2                        | 12.6       | 75        | 0.3         | 21        | 36           |
| 24/05/24 12:00 | 7                            | 30                          | 46          | 29                       | 75                       | 2                        | 13.6       | 75        | 0.7         | 197       | 24           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 24/05/24 13:00 | 15                           | 34                          | 23          | 23                       | 46                       | 2                        | 14.3       | 77        | 0.9         | 175       | 22           |
| 24/05/24 14:00 | 6                            | 21                          | 10          | 15                       | 25                       | 1                        | 14.4       | 80        | 1.1         | 166       | 23           |
| 24/05/24 15:00 | 6                            | 11                          | 3           | 9                        | 12                       | 1                        | 14.4       | 82        | 0.8         | 160       | 24           |
| 24/05/24 16:00 | 6                            | 19                          | 6           | 14                       | 20                       | 1                        | 14.2       | 85        | 0.9         | 144       | 26           |
| 24/05/24 17:00 | 2                            | 12                          | 2           | 7                        | 9                        | 1                        | 14.3       | 86        | 1.5         | 185       | 18           |
| 24/05/24 18:00 | -1                           | 13                          | 0           | 1                        | 1                        | 1                        | 14.6       | 79        | 3.5         | 188       | 9            |
| 24/05/24 19:00 | 0                            | 15                          | 0           | 7                        | 7                        | 1                        | 14.5       | 78        | 3.6         | 188       | 8            |
| 24/05/24 20:00 | 1                            | 11                          | 0           | 1                        | 1                        | 1                        | 14.8       | 77        | 2.7         | 184       | 12           |
| 24/05/24 21:00 | 1                            | 13                          | 0           | 1                        | 1                        | 1                        | 14.8       | 80        | 1.7         | 166       | 20           |
| 24/05/24 22:00 | 3                            | 15                          | 0           | 4                        | 4                        | 0                        | 14.5       | 83        | 1.8         | 130       | 15           |
| 24/05/24 23:00 | 4                            | 13                          | 0           | 5                        | 5                        | 0                        | 14.2       | 84        | 1.8         | 144       | 19           |
| 25/05/24 00:00 | 4                            | 15                          | 0           | 3                        | 3                        | 0                        | 13.9       | 87        | 1.3         | 134       | 16           |
| 25/05/24 01:00 | 5                            | 22                          | 0           | 7                        | 7                        | 1                        | 13.4       | 92        | 1.2         | 131       | 19           |
| 25/05/24 02:00 | 15                           | 25                          |             |                          |                          |                          | 12.5       | 94        | 0.7         | 51        | 13           |
| 25/05/24 03:00 | 11                           | 30                          | 41          | 21                       | 63                       | 0                        | 11.9       | 91        | 0.7         | 323       | 22           |
| 25/05/24 04:00 | 13                           | 27                          | 11          | 19                       | 30                       | 0                        | 12.0       | 94        | 1.4         | 109       | 15           |
| 25/05/24 05:00 | 18                           | 29                          | 2           | 17                       | 19                       | 0                        | 11.7       | 97        | 1.4         | 103       | 9            |
| 25/05/24 06:00 | 14                           | 27                          | 4           | 18                       | 21                       | 0                        | 11.6       | 97        | 0.8         | 72        | 15           |
| 25/05/24 07:00 | 8                            | 27                          | 20          | 18                       | 38                       | 0                        | 11.7       | 92        | 0.7         | 345       | 31           |
| 25/05/24 08:00 | 17                           | 27                          | 16          | 17                       | 33                       | 0                        | 12.1       | 91        | 0.8         | 329       | 27           |
| 25/05/24 09:00 | 15                           | 27                          | 10          | 18                       | 29                       | 0                        | 12.5       | 87        | 0.9         | 314       | 25           |
| 25/05/24 10:00 | 7                            | 20                          | 4           | 12                       | 17                       | 0                        | 12.8       | 86        | 1.5         | 283       | 17           |
| 25/05/24 11:00 | 5                            | 19                          | 5           | 9                        | 14                       | 0                        | 13.6       | 80        | 1.1         | 294       | 25           |
| 25/05/24 12:00 | 6                            | 20                          | 6           | 9                        | 15                       | 0                        | 14.3       | 76        | 1.5         | 260       | 18           |
| 25/05/24 13:00 | 6                            | 17                          | 8           | 12                       | 20                       | 0                        | 15.5       | 72        | 0.8         | 207       | 25           |
| 25/05/24 14:00 | 10                           | 36                          | 13          | 14                       | 27                       | 1                        | 16.9       | 67        | 1.5         | 168       | 21           |
| 25/05/24 15:00 | 11                           | 25                          | 7           | 11                       | 18                       | 0                        | 16.7       | 68        | 2.0         | 191       | 13           |
| 25/05/24 16:00 | 9                            | 19                          | 5           | 11                       | 16                       | 0                        | 17.0       | 69        | 1.7         | 174       | 21           |
| 25/05/24 17:00 | 9                            | 23                          | 1           | 6                        | 7                        | 0                        | 15.4       | 77        | 2.0         | 155       | 26           |
| 25/05/24 18:00 | 10                           | 21                          | 0           | 8                        | 9                        | 0                        | 14.3       | 83        | 2.2         | 130       | 15           |
| 25/05/24 19:00 | 17                           | 38                          | 3           | 24                       | 26                       | 0                        | 13.7       | 80        | 1.5         | 101       | 8            |
| 25/05/24 20:00 | 26                           | 40                          | 5           | 27                       | 32                       | 0                        | 13.0       | 83        | 0.8         | 109       | 13           |
| 25/05/24 21:00 | 29                           | 41                          | 23          | 28                       | 51                       | 0                        | 12.4       | 86        | 0.4         | 354       | 20           |
| 25/05/24 22:00 | 45                           | 69                          | 84          | 31                       | 115                      | 1                        | 12.2       | 89        | 1.1         | 325       | 15           |
| 25/05/24 23:00 | 28                           | 45                          | 59          | 27                       | 86                       | 1                        | 11.6       | 92        | 1.4         | 322       | 14           |
| 26/05/24 00:00 | 29                           | 43                          | 65          | 26                       | 91                       | 1                        | 10.7       | 93        | 1.6         | 354       | 15           |
| 26/05/24 01:00 | 25                           | 39                          | 48          | 23                       | 71                       | 1                        | 9.9        | 94        | 1.7         | 4         | 10           |
| 26/05/24 02:00 | 24                           | 37                          |             |                          |                          |                          | 9.5        | 95        | 1.4         | 7         | 11           |
| 26/05/24 03:00 | 35                           | 53                          | 60          | 19                       | 79                       | 1                        | 8.6        | 95        | 1.2         | 50        | 9            |
| 26/05/24 04:00 | 39                           | 55                          | 40          | 17                       | 57                       | 1                        | 7.9        | 95        | 1.1         | 28        | 13           |
| 26/05/24 05:00 | 25                           | 38                          | 14          | 17                       | 31                       | 1                        | 8.4        | 98        | 1.1         | 9         | 23           |
| 26/05/24 06:00 | 31                           | 40                          | 11          | 15                       | 27                       | 1                        | 8.9        | 99        | 0.7         | 39        | 19           |
| 26/05/24 07:00 | 19                           | 29                          | 5           | 16                       | 21                       | 0                        | 8.7        | 99        | 0.9         | 345       | 23           |
| 26/05/24 08:00 | 15                           | 26                          | 13          | 15                       | 28                       | 0                        | 7.7        | 98        | 0.8         | 338       | 22           |
| 26/05/24 09:00 | 15                           | 27                          | 17          | 13                       | 30                       | 0                        | 8.6        | 89        | 0.9         | 44        | 14           |
| 26/05/24 10:00 | 16                           | 28                          | 19          | 13                       | 32                       | 0                        | 10.1       | 78        | 0.9         | 332       | 29           |
| 26/05/24 11:00 | 18                           | 36                          | 33          | 18                       | 50                       | 1                        | 11.9       | 72        | 0.5         | 324       | 40           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 26/05/24 12:00 | 22                           | 39                          | 34          | 21                       | 55                       | 2                        | 13.5       | 68        | 0.8         | 209       | 11           |
| 26/05/24 13:00 | 25                           | 38                          | 26          | 22                       | 48                       | 2                        | 15.6       | 64        | 1.0         | 169       | 24           |
| 26/05/24 14:00 | 22                           | 35                          | 16          | 20                       | 37                       | 2                        | 15.5       | 66        | 1.2         | 174       | 19           |
| 26/05/24 15:00 | 17                           | 33                          | 11          | 19                       | 30                       | 1                        | 16.7       | 64        | 1.2         | 135       | 20           |
| 26/05/24 16:00 | 15                           | 29                          | 6           | 16                       | 22                       | 1                        | 17.1       | 63        | 1.3         | 148       | 22           |
| 26/05/24 17:00 | 9                            | 19                          | 1           | 6                        | 7                        | 1                        | 16.6       | 67        | 0.9         | 160       | 30           |
| 26/05/24 18:00 | 6                            | 17                          | 0           | 3                        | 4                        | 0                        | 14.7       | 74        | 1.2         | 151       | 21           |
| 26/05/24 19:00 | 4                            | 22                          | 0           | 9                        | 9                        | 0                        | 14.1       | 78        | 0.8         | 114       | 13           |
| 26/05/24 20:00 | 40                           | 53                          | 19          | 33                       | 52                       | 0                        | 12.8       | 78        | 1.1         | 52        | 7            |
| 26/05/24 21:00 | 32                           | 60                          | 54          | 37                       | 91                       | 0                        | 12.2       | 79        | 1.0         | 2         | 13           |
| 26/05/24 22:00 | 30                           | 59                          | 55          | 34                       | 90                       | 1                        | 12.2       | 78        | 2.0         | 334       | 13           |
| 26/05/24 23:00 | 25                           | 41                          | 57          | 32                       | 89                       | 1                        | 11.6       | 79        | 1.5         | 342       | 21           |
| 27/05/24 00:00 | 25                           | 40                          | 36          | 29                       | 65                       | 0                        | 11.0       | 80        | 1.4         | 338       | 21           |
| 27/05/24 01:00 | 20                           | 36                          | 27          | 24                       | 51                       | 1                        | 9.8        | 83        | 1.0         | 347       | 22           |
| 27/05/24 02:00 | 22                           | 31                          |             |                          |                          |                          | 9.1        | 86        | 0.9         | 24        | 12           |
| 27/05/24 03:00 | 27                           | 38                          | 21          | 21                       | 42                       | 1                        | 8.5        | 87        | 1.1         | 24        | 13           |
| 27/05/24 04:00 | 28                           | 36                          | 19          | 19                       | 38                       | 1                        | 7.9        | 88        | 1.3         | 34        | 11           |
| 27/05/24 05:00 | 16                           | 32                          | 16          | 18                       | 34                       | 1                        | 7.7        | 87        | 1.3         | 39        | 8            |
| 27/05/24 06:00 | 24                           | 35                          | 15          | 17                       | 32                       | 1                        | 7.3        | 88        | 1.4         | 39        | 8            |
| 27/05/24 07:00 | 16                           | 30                          | 25          | 18                       | 43                       | 1                        | 7.0        | 88        | 1.5         | 42        | 7            |
| 27/05/24 08:00 | 16                           | 35                          | 67          | 22                       | 90                       | 1                        | 7.0        | 88        | 1.5         | 44        | 7            |
| 27/05/24 09:00 | 17                           | 50                          | 77          | 24                       | 102                      | 1                        | 9.5        | 76        | 1.6         | 28        | 13           |
| 27/05/24 10:00 | 8                            | 47                          | 60          | 27                       | 87                       | 1                        | 12.1       | 65        | 1.9         | 15        | 16           |
| 27/05/24 11:00 | 12                           | 52                          | 64          | 30                       | 94                       | 2                        | 14.5       | 58        | 1.6         | 9         | 19           |
| 27/05/24 12:00 | 12                           | 50                          | 46          | 30                       | 76                       | 1                        | 17.1       | 49        | 1.1         | 4         | 32           |
| 27/05/24 13:00 | 6                            | 21                          | 8           | 15                       | 22                       | 1                        | 18.5       | 41        | 1.1         | 340       | 35           |
| 27/05/24 14:00 | 1                            | 19                          | 5           | 12                       | 17                       | 1                        | 19.5       | 38        | 0.9         | 316       | 41           |
| 27/05/24 15:00 | -1                           | 21                          | 4           | 11                       | 15                       | 1                        | 20.3       | 37        | 1.1         | 350       | 33           |
| 27/05/24 16:00 | 0                            | 24                          | 3           | 10                       | 13                       | 0                        | 20.8       | 37        | 1.0         | 353       | 30           |
| 27/05/24 17:00 | 2                            | 20                          | 2           | 15                       | 17                       | 0                        | 20.3       | 39        | 0.9         | 17        | 23           |
| 27/05/24 18:00 | 6                            | 27                          | 2           | 22                       | 24                       | 1                        | 18.1       | 50        | 1.8         | 24        | 19           |
| 27/05/24 19:00 | 8                            | 27                          | 1           | 24                       | 25                       | 1                        | 16.7       | 57        | 2.0         | 14        | 22           |
| 27/05/24 20:00 | 9                            | 30                          | 3           | 26                       | 28                       | 1                        | 15.4       | 61        | 1.7         | 12        | 21           |
| 27/05/24 21:00 | 9                            | 28                          | 2           | 23                       | 24                       | 0                        | 14.7       | 62        | 1.9         | 4         | 18           |
| 27/05/24 22:00 | 6                            | 24                          | 1           | 20                       | 22                       | 0                        | 14.1       | 62        | 2.3         | 3         | 17           |
| 27/05/24 23:00 | 4                            | 19                          | 1           | 19                       | 20                       | 0                        | 13.8       | 61        | 2.5         | 1         | 18           |
| 28/05/24 00:00 | 6                            | 23                          | 1           | 16                       | 16                       | 0                        | 13.4       | 61        | 2.2         | 360       | 21           |
| 28/05/24 01:00 | 5                            | 16                          | 0           | 15                       | 15                       | 0                        | 13.0       | 62        | 2.4         | 0         | 18           |
| 28/05/24 02:00 | 5                            | 15                          |             |                          |                          |                          | 12.9       | 61        | 2.7         | 2         | 18           |
| 28/05/24 03:00 | 4                            | 28                          | 0           | 9                        | 9                        | 0                        | 12.9       | 60        | 2.4         | 5         | 19           |
| 28/05/24 04:00 | 3                            | 16                          | 0           | 8                        | 8                        | 0                        | 12.7       | 60        | 2.1         | 8         | 21           |
| 28/05/24 05:00 | 5                            | 22                          | 1           | 12                       | 13                       | 0                        | 12.1       | 63        | 1.7         | 21        | 22           |
| 28/05/24 06:00 | 6                            | 23                          | 1           | 16                       | 17                       | 0                        | 12.2       | 61        | 2.0         | 27        | 18           |
| 28/05/24 07:00 | 6                            | 29                          | 3           | 22                       | 25                       | 0                        | 12.1       | 62        | 2.1         | 22        | 18           |
| 28/05/24 08:00 | 6                            | 33                          | 17          | 28                       | 46                       | 0                        | 12.1       | 62        | 2.5         | 22        | 16           |
| 28/05/24 09:00 | 7                            | 49                          | 31          | 27                       | 58                       | 1                        | 12.9       | 59        | 2.9         | 23        | 16           |
| 28/05/24 10:00 | 12                           | 57                          | 34          | 27                       | 62                       | 1                        | 14.7       | 55        | 2.5         | 19        | 17           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 28/05/24 11:00 | 9                            | 46                          | 25          | 23                       | 48                       | 1                        | 16.9       | 49        | 2.4         | 14        | 22           |
| 28/05/24 12:00 | 10                           | 41                          | 15          | 18                       | 34                       | 1                        | 18.6       | 45        | 2.3         | 23        | 19           |
| 28/05/24 13:00 | 7                            | 43                          | 11          | 14                       | 26                       | 1                        | 20.0       | 43        | 2.4         | 24        | 20           |
| 28/05/24 14:00 | 4                            | 34                          | 7           | 13                       | 19                       | 1                        | 20.8       | 41        | 2.4         | 30        | 20           |
| 28/05/24 15:00 | 3                            | 31                          | 5           | 12                       | 16                       | 1                        | 21.1       | 42        | 2.6         | 36        | 16           |
| 28/05/24 16:00 | 7                            | 40                          | 4           | 14                       | 18                       | 1                        | 20.9       | 44        | 3.0         | 35        | 15           |
| 28/05/24 17:00 | 8                            | 37                          | 3           | 16                       | 19                       | 1                        | 19.6       | 47        | 3.1         | 30        | 15           |
| 28/05/24 18:00 | 7                            | 31                          | 1           | 15                       | 16                       | 1                        | 17.9       | 51        | 2.7         | 20        | 20           |
| 28/05/24 19:00 | 13                           | 33                          | 1           | 20                       | 21                       | 1                        | 16.6       | 56        | 2.5         | 18        | 22           |
| 28/05/24 20:00 | 9                            | 36                          | 1           | 20                       | 21                       | 1                        | 15.5       | 59        | 2.7         | 13        | 21           |
| 28/05/24 21:00 | 10                           | 34                          | 1           | 20                       | 20                       | 1                        | 14.6       | 63        | 2.0         | 6         | 20           |
| 28/05/24 22:00 | 8                            | 31                          | 1           | 19                       | 20                       | 1                        | 13.8       | 65        | 1.7         | 4         | 24           |
| 28/05/24 23:00 | 8                            | 26                          | 0           | 16                       | 17                       | 1                        | 13.6       | 65        | 2.2         | 354       | 24           |
| 29/05/24 00:00 | 9                            | 26                          | 0           | 12                       | 13                       | 1                        | 13.4       | 64        | 2.4         | 0         | 21           |
| 29/05/24 01:00 | 9                            | 32                          | 0           | 10                       | 10                       | 0                        | 13.2       | 64        | 2.1         | 15        | 22           |
| 29/05/24 02:00 | 10                           | 23                          |             |                          |                          |                          | 13.0       | 64        | 1.9         | 12        | 22           |
| 29/05/24 03:00 | 10                           | 23                          | 0           | 8                        | 8                        | 0                        | 12.7       | 66        | 2.7         | 16        | 21           |
| 29/05/24 04:00 | 6                            | 21                          | 0           | 6                        | 6                        | 0                        | 12.6       | 66        | 2.9         | 8         | 21           |
| 29/05/24 05:00 | 5                            | 21                          | 0           | 9                        | 9                        | 0                        | 12.4       | 67        | 1.9         | 355       | 26           |
| 29/05/24 06:00 | 8                            | 26                          | 1           | 18                       | 19                       | 0                        | 12.1       | 69        | 2.2         | 1         | 25           |
| 29/05/24 07:00 | 7                            | 32                          | 8           | 23                       | 31                       | 0                        | 12.5       | 65        | 2.7         | 352       | 26           |
| 29/05/24 08:00 | 6                            | 41                          | 17          | 28                       | 45                       | 0                        | 12.2       | 65        | 2.2         | 355       | 31           |
| 29/05/24 09:00 | 7                            | 49                          | 6           | 19                       | 25                       | 0                        | 13.8       | 56        | 3.0         | 360       | 29           |
| 29/05/24 10:00 | 7                            | 52                          | 11          | 20                       | 30                       | 1                        | 15.3       | 51        | 2.8         | 355       | 29           |
| 29/05/24 11:00 | 12                           | 78                          | 7           | 13                       | 20                       | 0                        | 17.3       | 45        | 4.0         | 1         | 26           |
| 29/05/24 12:00 | 11                           | 87                          | 3           | 8                        | 12                       | 0                        | 18.0       | 44        | 4.7         | 6         | 24           |
| 29/05/24 13:00 | 8                            | 83                          | 3           | 8                        | 11                       | 0                        | 18.7       | 43        | 5.2         | 7         | 22           |
| 29/05/24 14:00 | 10                           | 95                          | 3           | 8                        | 10                       | 0                        | 19.5       | 43        | 5.5         | 12        | 22           |
| 29/05/24 15:00 | 9                            | 56                          | 2           | 7                        | 10                       | 1                        | 19.9       | 43        | 4.8         | 6         | 24           |
| 29/05/24 16:00 | 5                            | 45                          | 3           | 10                       | 12                       | 1                        | 20.2       | 42        | 5.1         | 7         | 22           |
| 29/05/24 17:00 | 4                            | 37                          | 1           | 9                        | 11                       | 1                        | 19.8       | 43        | 4.2         | 3         | 25           |
| 29/05/24 18:00 | 6                            | 28                          | 1           | 17                       | 18                       | 0                        | 18.6       | 48        | 3.5         | 3         | 24           |
| 29/05/24 19:00 | 8                            | 34                          | 1           | 14                       | 14                       | 0                        | 17.9       | 51        | 3.3         | 9         | 22           |
| 29/05/24 20:00 | 11                           | 35                          | 0           | 11                       | 11                       | 1                        | 17.6       | 51        | 3.3         | 25        | 20           |
| 29/05/24 21:00 | 8                            | 30                          | 0           | 8                        | 9                        | 0                        | 18.0       | 47        | 2.8         | 20        | 21           |
| 29/05/24 22:00 | 7                            | 18                          | 0           | 7                        | 7                        | 1                        | 18.5       | 46        | 3.2         | 11        | 24           |
| 29/05/24 23:00 | 6                            | 22                          | 0           | 6                        | 6                        | 1                        | 18.2       | 49        | 3.7         | 4         | 23           |
| 30/05/24 00:00 | 6                            | 24                          | 0           | 5                        | 5                        | 0                        | 17.9       | 53        | 3.2         | 8         | 23           |
| 30/05/24 01:00 | 6                            | 34                          | 0           | 5                        | 5                        | 0                        | 18.0       | 55        | 3.7         | 19        | 21           |
| 30/05/24 02:00 | 8                            | 24                          |             |                          |                          |                          | 18.5       | 54        | 4.5         | 27        | 18           |
| 30/05/24 03:00 | 5                            | 22                          | 0           | 4                        | 4                        | 0                        | 18.9       | 54        | 3.7         | 9         | 23           |
| 30/05/24 04:00 | 3                            | 21                          | 0           | 4                        | 4                        | 0                        | 18.9       | 54        | 4.1         | 9         | 23           |
| 30/05/24 05:00 | 2                            | 21                          | 0           | 6                        | 6                        | 0                        | 18.6       | 56        | 3.3         | 359       | 29           |
| 30/05/24 06:00 | 3                            | 21                          | 0           | 10                       | 10                       | 0                        | 17.9       | 60        | 3.3         | 5         | 26           |
| 30/05/24 07:00 | 4                            | 24                          | 0           | 8                        | 9                        | 0                        | 17.9       | 63        | 3.8         | 18        | 24           |
| 30/05/24 08:00 | 5                            | 29                          | 1           | 10                       | 11                       | 0                        | 18.0       | 64        | 4.5         | 5         | 23           |
| 30/05/24 09:00 | 6                            | 27                          | 2           | 14                       | 16                       | 0                        | 18.1       | 62        | 4.1         | 359       | 27           |

## Station Pier Ambient Air Quality Monitoring

May 2024

1-Hour Data

| Date/Time      | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|----------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 30/05/24 10:00 | 3                            | 36                          | 3           | 12                       | 15                       | 0                        | 18.6       | 60        | 3.8         | 339       | 27           |
| 30/05/24 11:00 | 4                            | 39                          | 3           | 9                        | 11                       | 0                        | 19.6       | 57        | 4.0         | 341       | 27           |
| 30/05/24 12:00 | 4                            | 35                          | 5           | 13                       | 17                       | 0                        | 19.8       | 56        | 3.5         | 355       | 31           |
| 30/05/24 13:00 | 5                            | 40                          | 4           | 14                       | 18                       | 0                        | 20.2       | 55        | 3.6         | 1         | 29           |
| 30/05/24 14:00 | 6                            | 41                          | 3           | 10                       | 14                       | 0                        | 20.8       | 53        | 4.4         | 10        | 23           |
| 30/05/24 15:00 | 2                            | 42                          | 2           | 10                       | 13                       | 0                        | 21.2       | 51        | 4.5         | 2         | 26           |
| 30/05/24 16:00 | 0                            | 36                          | 2           | 11                       | 13                       | 0                        | 21.0       | 53        | 3.6         | 340       | 30           |
| 30/05/24 17:00 | 5                            | 31                          | 1           | 7                        | 8                        | 0                        | 19.5       | 65        | 3.3         | 345       | 31           |
| 30/05/24 18:00 | 3                            | 10                          | 1           | 11                       | 12                       | 0                        | 17.4       | 83        | 3.1         | 1         | 28           |
| 30/05/24 19:00 | 0                            | 11                          | 1           | 12                       | 13                       | 0                        | 16.8       | 88        | 2.4         | 345       | 26           |
| 30/05/24 20:00 | -1                           | 8                           | 1           | 9                        | 10                       | 0                        | 16.8       | 90        | 3.3         | 19        | 22           |
| 30/05/24 21:00 | 0                            | 6                           | 0           | 7                        | 7                        | 0                        | 17.6       | 83        | 2.9         | 351       | 29           |
| 30/05/24 22:00 | -2                           | 8                           | 0           | 6                        | 7                        | 0                        | 18.1       | 77        | 2.2         | 340       | 35           |
| 30/05/24 23:00 | -2                           | 6                           | 0           | 6                        | 6                        | 0                        | 18.2       | 76        | 2.3         | 326       | 28           |
| 31/05/24 00:00 | -3                           | 3                           | 0           | 7                        | 7                        | 0                        | 18.2       | 74        | 2.1         | 312       | 24           |
| 31/05/24 01:00 | -3                           | 12                          | 0           | 6                        | 7                        | 1                        | 18.1       | 67        | 3.9         | 290       | 13           |
| 31/05/24 02:00 | -3                           | 11                          |             |                          |                          |                          | 17.1       | 61        | 4.2         | 288       | 13           |
| 31/05/24 03:00 | -2                           | 12                          | 1           | 11                       | 12                       |                          | 16.3       | 59        | 2.9         | 308       | 20           |
| 31/05/24 04:00 | 4                            | 12                          | 0           | 7                        | 7                        | 0                        | 16.0       | 64        | 2.0         | 348       | 31           |
| 31/05/24 05:00 | 3                            | 11                          | 0           | 6                        | 6                        | 0                        | 16.2       | 64        | 2.5         | 359       | 26           |
| 31/05/24 06:00 | 3                            | 16                          | 0           | 9                        | 10                       | 0                        | 16.2       | 63        | 2.3         | 341       | 28           |
| 31/05/24 07:00 | 6                            | 19                          | 1           | 15                       | 16                       | 0                        | 16.0       | 63        | 2.6         | 354       | 25           |
| 31/05/24 08:00 | 5                            | 18                          | 3           | 18                       | 21                       | 0                        | 15.7       | 62        | 2.5         | 329       | 27           |
| 31/05/24 09:00 | 7                            | 22                          | 5           | 17                       | 22                       | 0                        | 15.6       | 62        | 2.9         | 320       | 23           |
| 31/05/24 10:00 | 4                            | 22                          | 4           | 10                       | 15                       | 0                        | 16.0       | 59        | 3.3         | 330       | 27           |
| 31/05/24 11:00 | 2                            | 25                          | 4           | 8                        | 12                       | 0                        | 16.7       | 55        | 3.8         | 308       | 21           |
| 31/05/24 12:00 | 4                            | 20                          | 3           | 7                        | 10                       | 0                        | 17.3       | 51        | 4.5         | 299       | 16           |
| 31/05/24 13:00 | 6                            | 17                          | 2           | 6                        | 8                        | 0                        | 17.5       | 47        | 5.5         | 286       | 15           |
| 31/05/24 14:00 | 4                            | 21                          | 2           | 5                        | 8                        | 0                        | 17.7       | 47        | 5.6         | 287       | 15           |
| 31/05/24 15:00 | 6                            | 19                          | 2           | 6                        | 8                        | 0                        | 18.1       | 44        | 5.3         | 287       | 15           |
| 31/05/24 16:00 | 4                            | 27                          | 2           | 8                        | 11                       | 0                        | 17.7       | 47        | 5.5         | 273       | 13           |
| 31/05/24 17:00 | 0                            | 11                          | 1           | 2                        | 3                        | 0                        | 15.5       | 62        | 6.8         | 237       | 5            |
| 31/05/24 18:00 | 2                            | 14                          | 1           | 11                       | 12                       | 1                        | 15.4       | 61        | 4.9         | 262       | 7            |
| 31/05/24 19:00 | 3                            | 18                          | 1           | 15                       | 16                       | 0                        | 15.2       | 62        | 3.0         | 265       | 8            |
| 31/05/24 20:00 | 4                            | 11                          | 2           | 19                       | 21                       | 1                        | 15.0       | 62        | 4.0         | 252       | 8            |
| 31/05/24 21:00 | 4                            | 16                          | 1           | 13                       | 14                       | 1                        | 14.5       | 63        | 3.5         | 269       | 8            |
| 31/05/24 22:00 | 3                            | 11                          | 0           | 10                       | 10                       | 0                        | 14.3       | 63        | 3.3         | 277       | 12           |
| 31/05/24 23:00 | 5                            | 11                          | 0           | 12                       | 12                       | 0                        | 13.8       | 65        | 3.0         | 280       | 13           |
| 01/06/24 00:00 | 4                            | 11                          | 0           | 16                       | 17                       | 0                        | 13.2       | 67        | 2.3         | 283       | 14           |

Station Pier Ambient Air Quality Monitoring

May 2024

1-Day Data

| Date                   | PM <sub>2.5</sub><br>(µg/m³) | PM <sub>10</sub><br>(µg/m³) | NO<br>(ppb) | NO <sub>2</sub><br>(ppb) | NO <sub>x</sub><br>(ppb) | SO <sub>2</sub><br>(ppb) | AT<br>(°C) | RH<br>(%) | WS<br>(m/s) | WD<br>(°) | Sigma<br>(°) |
|------------------------|------------------------------|-----------------------------|-------------|--------------------------|--------------------------|--------------------------|------------|-----------|-------------|-----------|--------------|
| 5/1/2024               | 3                            | 16                          | 2           | 6                        | 8                        | 1                        | 15.0       | 75        | 2.7         | 142       | 14           |
| 5/2/2024               | 9                            | 27                          | 22          | 18                       | 40                       | 1                        | 13.0       | 83        | 0.8         | 148       | 16           |
| 5/3/2024               | 12                           | 33                          | 37          | 19                       | 56                       | 1                        | 12.8       | 82        | 0.4         | 119       | 17           |
| 5/4/2024               | 15                           | 31                          | 27          | 19                       | 46                       | 1                        | 12.5       | 83        | 0.1         | 146       | 17           |
| 5/5/2024               | 12                           | 26                          | 4           | 9                        | 12                       | 0                        | 14.5       | 83        | 1.3         | 147       | 15           |
| 5/6/2024               | 3                            | 16                          | 2           | 6                        | 9                        | 1                        | 15.5       | 82        | 2.1         | 146       | 17           |
| 5/7/2024               | 10                           | 28                          | 20          | 16                       | 35                       | 1                        | 13.5       | 85        | 0.7         | 245       | 15           |
| 5/8/2024               | 21                           | 42                          | 19          | 21                       | 40                       | 2                        | 15.2       | 81        | 0.2         | 217       | 21           |
| 5/9/2024               | 23                           | 43                          | 41          | 23                       | 64                       | 1                        | 14.1       | 91        | 0.6         | 276       | 16           |
| 5/10/2024              | 12                           | 21                          | 17          | 19                       | 36                       | 2                        | 15.5       | 93        | 0.5         | 152       | 16           |
| 5/11/2024              | 3                            | 24                          | 8           | 9                        | 17                       | 1                        | 16.3       | 80        | 2.0         | 100       | 12           |
| 5/12/2024              | 8                            | 20                          | 18          | 17                       | 35                       | 1                        | 14.0       | 87        | 0.3         | 274       | 17           |
| 5/13/2024              | 10                           | 26                          | 33          | 15                       | 49                       | 1                        | 15.0       | 80        | 1.2         | 251       | 15           |
| 5/14/2024              | 6                            | 23                          | 19          | 15                       | 34                       | 2                        | 15.0       | 67        | 1.6         | 244       | 13           |
| 5/15/2024              | 11                           | 35                          | 47          | 21                       | 69                       | 1                        | 13.1       | 74        | 0.4         | 353       | 17           |
| 5/16/2024              | 11                           | 39                          | 63          | 26                       | 88                       | 1                        | 13.5       | 76        | 0.4         | 11        | 19           |
| 5/17/2024              | 8                            | 31                          | 31          | 12                       | 42                       | 1                        | 13.2       | 79        | 2.6         | 214       | 12           |
| 5/18/2024              | 4                            | 24                          | 2           | 5                        | 8                        | 1                        | 12.6       | 58        | 2.4         | 178       | 15           |
| 5/19/2024              | 3                            | 15                          | 1           | 8                        | 9                        | 2                        | 12.7       | 78        | 3.2         | 261       | 10           |
| 5/20/2024              | 1                            | 10                          | 1           | 5                        | 6                        | 1                        | 13.0       | 86        | 3.6         | 224       | 10           |
| 5/21/2024              | 3                            | 15                          | 8           | 12                       | 21                       | 2                        | 12.8       | 82        | 1.3         | 225       | 12           |
| 5/22/2024              | 9                            | 26                          | 38          | 16                       | 54                       | 2                        | 12.6       | 82        | 0.4         | 222       | 14           |
| 5/23/2024              | 5                            | 19                          | 18          | 17                       | 35                       | 1                        | 13.9       | 80        | 0.8         | 238       | 15           |
| 5/24/2024              | 8                            | 25                          | 32          | 15                       | 47                       | 1                        | 12.2       | 82        | 0.4         | 154       | 18           |
| 5/25/2024              | 15                           | 30                          | 17          | 17                       | 34                       | 0                        | 13.3       | 85        | 0.2         | 147       | 18           |
| 5/26/2024              | 22                           | 37                          | 25          | 19                       | 45                       | 1                        | 11.8       | 81        | 0.4         | 23        | 19           |
| 5/27/2024              | 11                           | 31                          | 20          | 20                       | 41                       | 1                        | 13.5       | 65        | 1.4         | 13        | 20           |
| 5/28/2024              | 7                            | 32                          | 7           | 17                       | 24                       | 1                        | 15.5       | 56        | 2.4         | 17        | 19           |
| 5/29/2024              | 8                            | 41                          | 3           | 12                       | 15                       | 0                        | 16.2       | 53        | 3.3         | 7         | 24           |
| 5/30/2024              | 3                            | 24                          | 1           | 9                        | 10                       | 0                        | 18.7       | 64        | 3.4         | 359       | 26           |
| 5/31/2024              | 3                            | 16                          | 2           | 10                       | 12                       | 0                        | 16.0       | 59        | 3.3         | 289       | 17           |
| Capture Percentage (%) | 99                           | 100                         | 95          | 95                       | 95                       | 95                       | 100        | 100       | 100         | 100       | 100          |

### Valid Data Exception Table

May 2024

#### GHD Station Pier

| Start Date     | End Date       | Reason                                                                                                                       | Change Details                                          | User Name | Change Date |
|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------|-------------|
| 01/05/24 00:00 | 31/05/24 00:55 | Intermittent static offset of +1ppb applied to correct SO <sub>2</sub> baseline                                              | SO <sub>2</sub>                                         | AA        | 12/06/24    |
| 01/05/24 01:00 | 31/05/24 02:20 | Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation | NO, NO <sub>2</sub> , NO <sub>x</sub> , SO <sub>2</sub> | AA        | 12/06/24    |
| 01/05/24 23:45 | 31/05/24 23:50 | Automatic background checks from 23:45 to 23:50 every night                                                                  | SO <sub>2</sub>                                         | AA        | 12/06/24    |
| 14/05/24 08:00 | 14/05/24 12:00 | Scheduled monthly maintenance followed by instrument stabilisation                                                           | All parameters                                          | AA        | 12/06/24    |
| 17/05/24 02:00 | 17/05/24 23:55 | Linear offset A= 0 ppb and B = +1 ppb applied to correct baseline                                                            | SO <sub>2</sub>                                         | AA        | 16/06/24    |
| 19/05/24 15:35 | 19/05/24 15:40 | Unrealistic negative readings                                                                                                | NO, NO <sub>2</sub> , NO <sub>x</sub>                   | AA        | 17/06/24    |

#### Kunak VIC 6

| Start Date     | End Date       | Reason                                                  | Change Details                         | User Name | Change Date |
|----------------|----------------|---------------------------------------------------------|----------------------------------------|-----------|-------------|
| 07/05/24 18:25 | 20/05/24 07:35 | Intermittent instrument fault - Data transmission error | PM <sub>2.5</sub> and PM <sub>10</sub> | AA        | 12/06/24    |

#### Kunak VIC 7- Beacon Vista

| Start Date     | End Date       | Reason                                                  | Change Details                                                                              | User Name | Change Date |
|----------------|----------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|-------------|
| 12/05/24 18:55 | 16/05/24 01:40 | Intermittent instrument fault - Data transmission error | PM <sub>2.5</sub> , PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>2</sub> and O <sub>3</sub> | AA        | 12/06/24    |



[ghd.com](http://ghd.com)

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