



Station Pier Air Quality Monitoring Program

Air Quality Monitoring Report – July 2024

Ports Victoria

20 September 2024

→ **The Power of Commitment**



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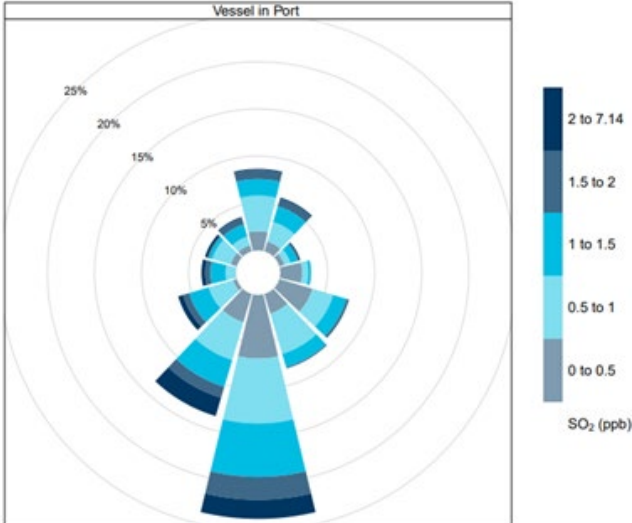
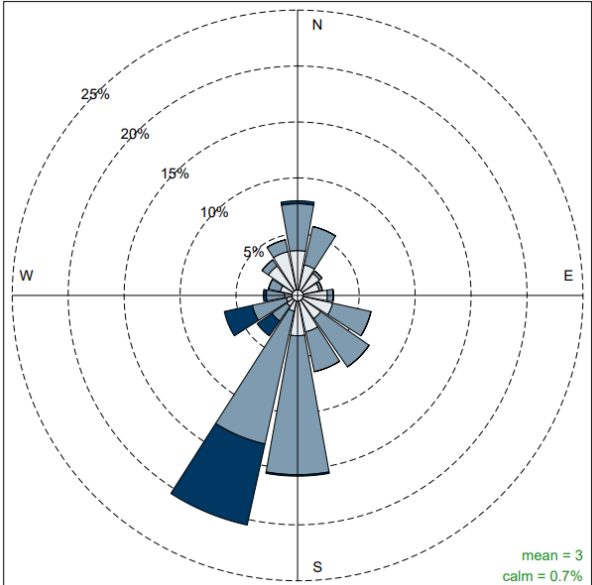
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Glossary of terms

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. 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 https://www.epa.vic.gov.au/for-community/airwatch .
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 ₂	Nitrogen dioxide
OHS	Occupational Health and Safety
PM ₁₀	Particulate matter with diameter less than 10 micrometres (10 µm).
PM _{2.5}	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. The length of 'petal' in a direction corresponds to the frequency of occurrence of a pollutant when wind is blowing from that direction. The colour within each 'petal' corresponds to the level of concentration of the measured pollutant. 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
	the length of the shading on the petals.  Frequency of counts by wind direction (%)
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 ₂	Sulphur dioxide
Vessel in port	Vessel berthed at Station Pier. Does not include vessels approaching or departing Station Pier.
Windrose	A wind rose illustrates the frequency of occurrence of winds of various speeds in each wind direction for a given month. 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. 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.  Frequency of counts by wind direction (%)

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.

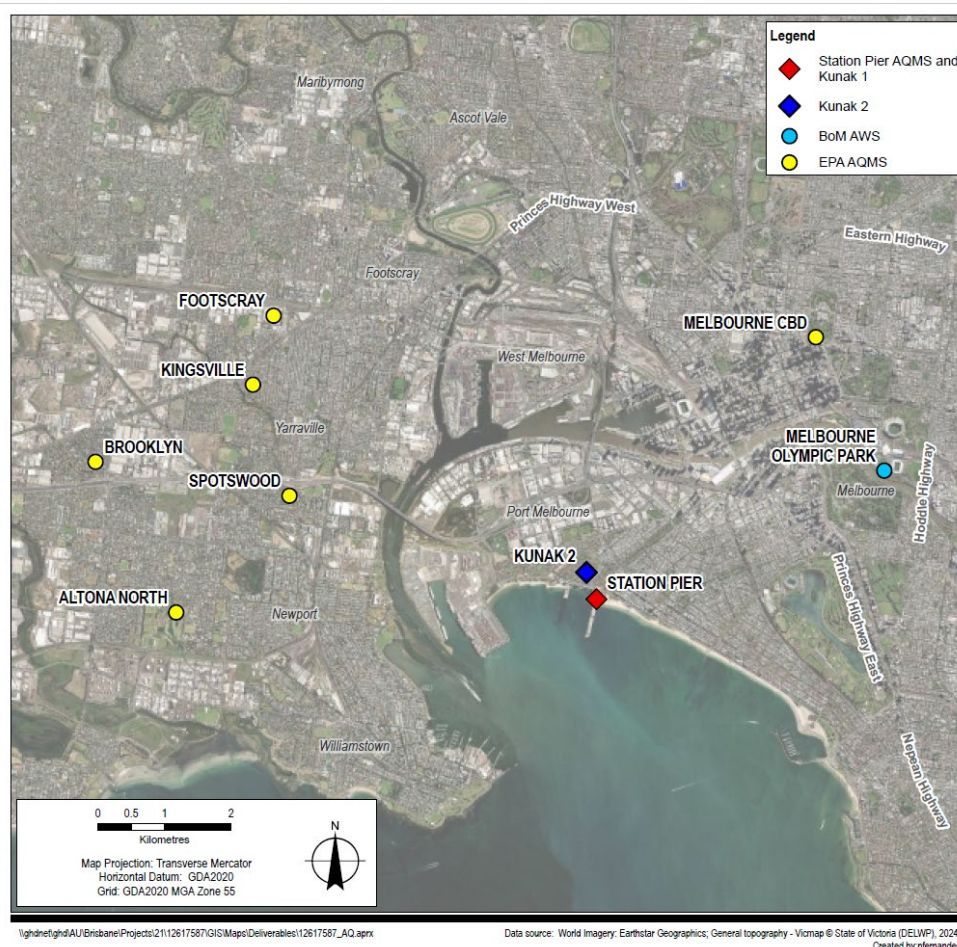


Figure 1 Air quality monitoring program location

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: - Direct comparison of measurement data to the assessment criteria summarised in Section 2.1.	Section 3
4	Data analysis – July 2024	Additional information: - Summary of monitoring equipment in the AQMS and the parameters and pollutants measured. - Review of data during the period. - Data availability and quality during the period. - Detailed analysis of data for the period between 1 July 2024 to 31 July 2024. - Other impacts to air quality in the region.	Appendix B
5	Data analysis – Long term	Detailed analysis of data for the entire monitoring period, between 4 December 2024 and 31 July 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 July 2024 to 31 July 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, PM₁₀, PM_{2.5}, NO₂, and SO₂ 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 website¹.

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.

¹ <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 PM₁₀, PM_{2.5}, NO₂ and SO₂ 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 ²	Basis
PM ₁₀	50 µg/m ³	24 hours	Class 1	ERS Objective
	20 µg/m ³	1 year		
PM _{2.5}	25 µg/m ³	24 hours	Class 2	ERS Objective
	8 µg/m ³	1 year		
NO ₂ (maximum concentration)	80 ppb	1 hour	Class 1	ERS Objective
	15 ppb	1 year		
SO ₂ (maximum concentration)	75 ppb	1 hour	Class 1	ERS Objective
	20 ppb	24 hours		

² 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.

3.1 PM₁₀

The 24-hour average PM₁₀ concentrations observed in July 2024 are presented in Figure 2 which presents the 24-hour average PM₁₀ 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 PM₁₀ concentrations were below the adopted criterion, except on July 31. The maximum 24-hour average concentration recorded on this day was 50.6 µg/m³, which is 1.3% above the criterion.
- On 31 July, elevated PM₁₀ concentrations were also observed at EPA Stations located at Brooklyn, Kingsville and Footscray. The higher concentrations of PM₁₀ 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.

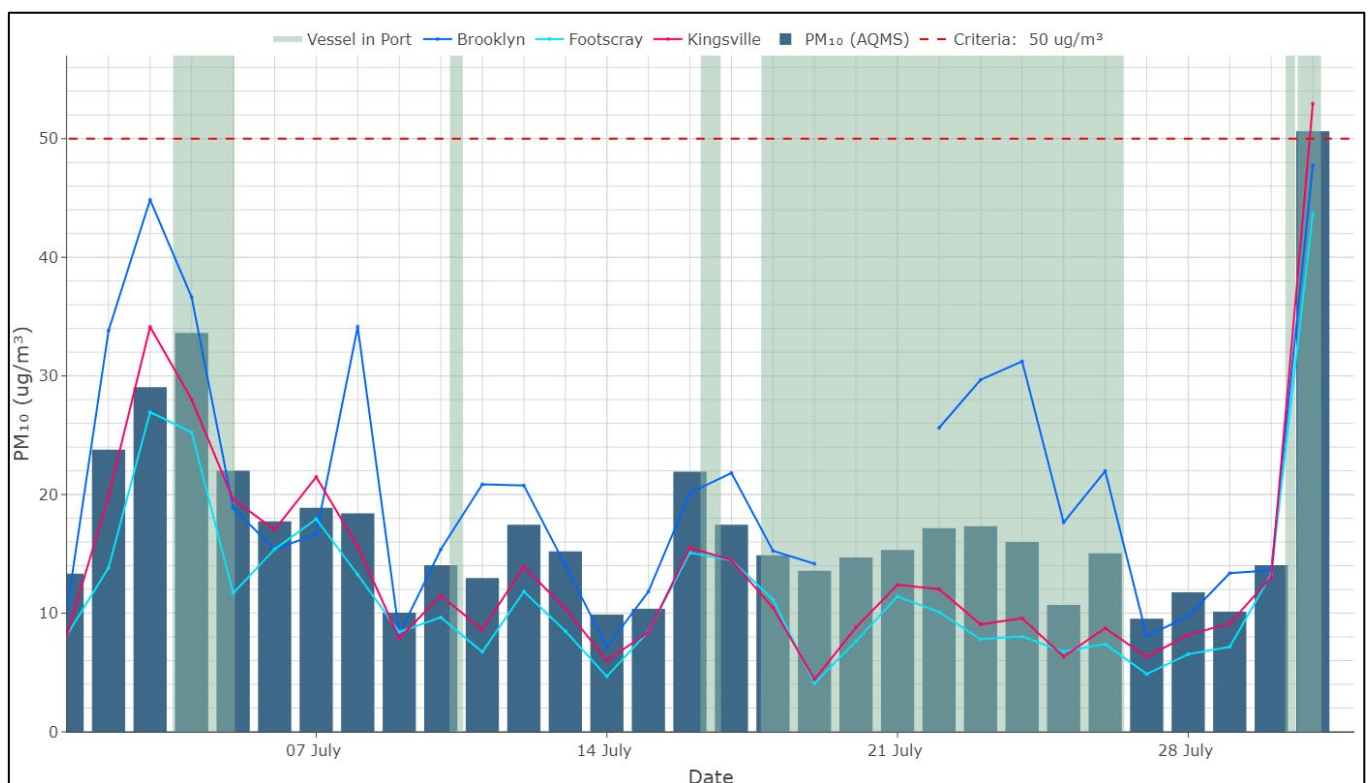


Figure 2 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier and local EPA stations (July 2024) (criteria: 50 µg/m³)

3.2 PM_{2.5}

The 24-hour average PM_{2.5} concentrations observed in July 2024 are presented in Figure 3 which presents the 24-hour average PM_{2.5} 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_{2.5} concentrations were below the adopted criterion except on 31 July. The maximum 24-hour average concentration recorded on this day was 27.1 µg/m³, which was 8.3% above the criterion.
- On 31 July, slightly elevated PM_{2.5} concentrations were observed at all nearby EPA stations. Elevated PM₁₀ concentrations were observed at EPA Stations located at Brooklyn, Kingsville and Footscray. The higher levels of PM_{2.5} and PM₁₀ 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.

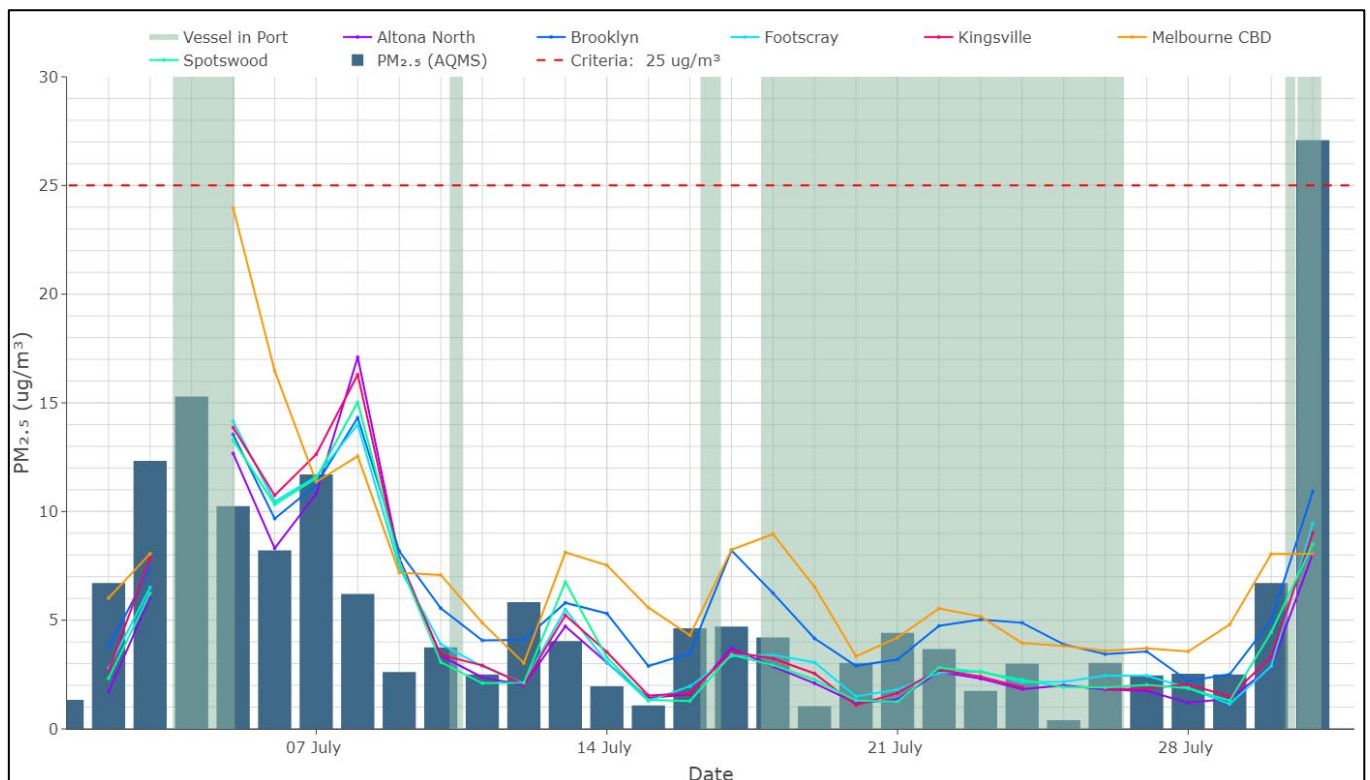


Figure 3 24-hour average PM_{2.5} concentrations (µg/m³) at Station Pier and local EPA stations (July 2024) (criteria: 25 µg/m³)

3.3 NO₂

The hourly average NO₂ concentrations observed in July 2024 are presented in Figure 4 which presents the hourly average NO₂ 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 NO₂ criterion. The maximum hourly average concentration recorded was 42.4 ppb, which is 47% below the criterion.

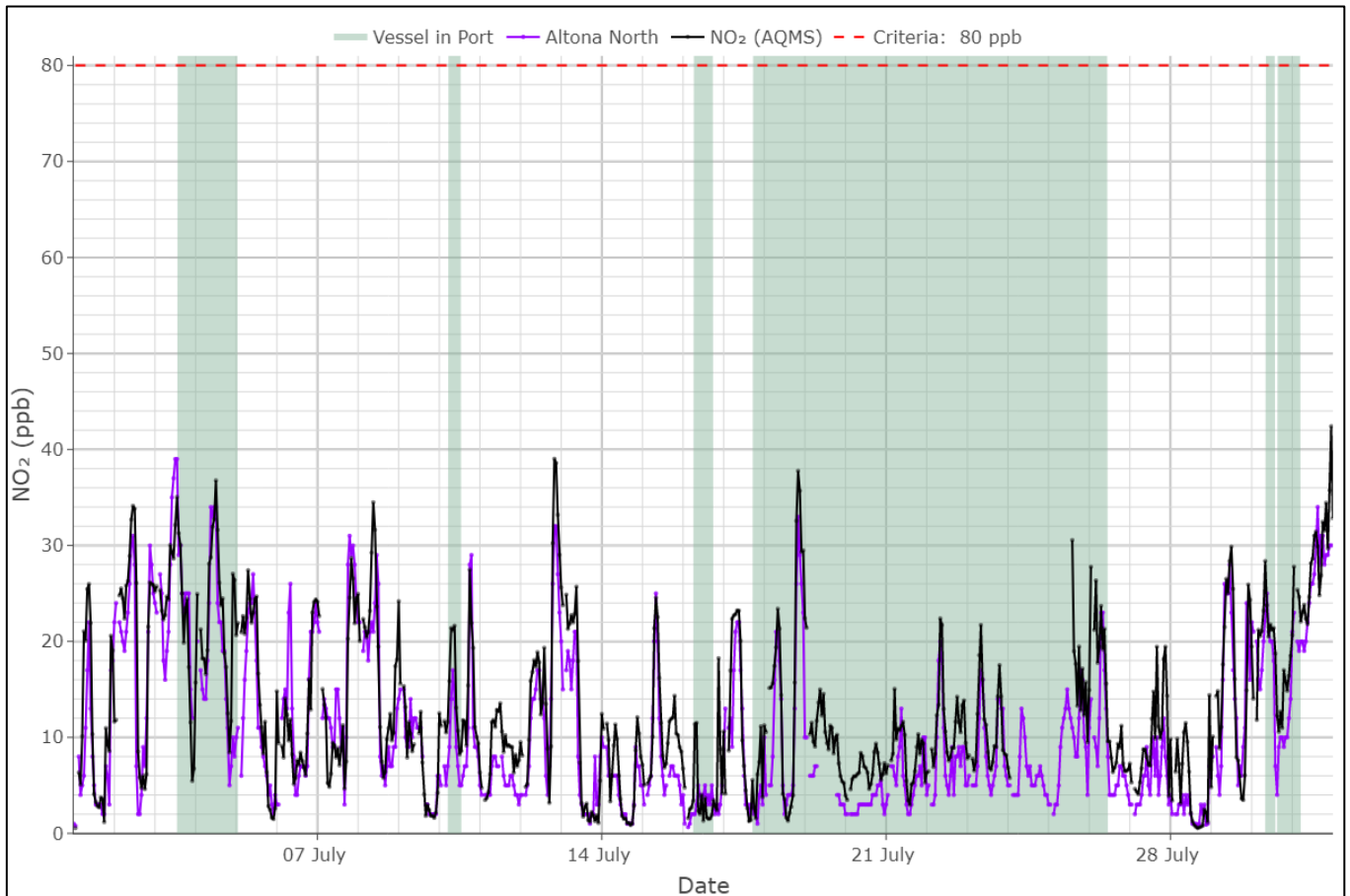


Figure 4 Hourly average NO₂ concentrations (ppb) at Station Pier and local EPA stations (July 2024) (criteria: 80 ppb)

3.4 SO₂

The hourly and 24-hour average SO₂ concentrations observed in July 2024 are presented in Figure 5 and Figure 6, in which:

- Figure 5:** Presents the hourly average SO₂ 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 SO₂ 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 SO₂ concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 3.4 ppb, which is 95% below the criterion.
- All 24-hour average SO₂ concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 2.5 ppb, which is 87% below the criterion.

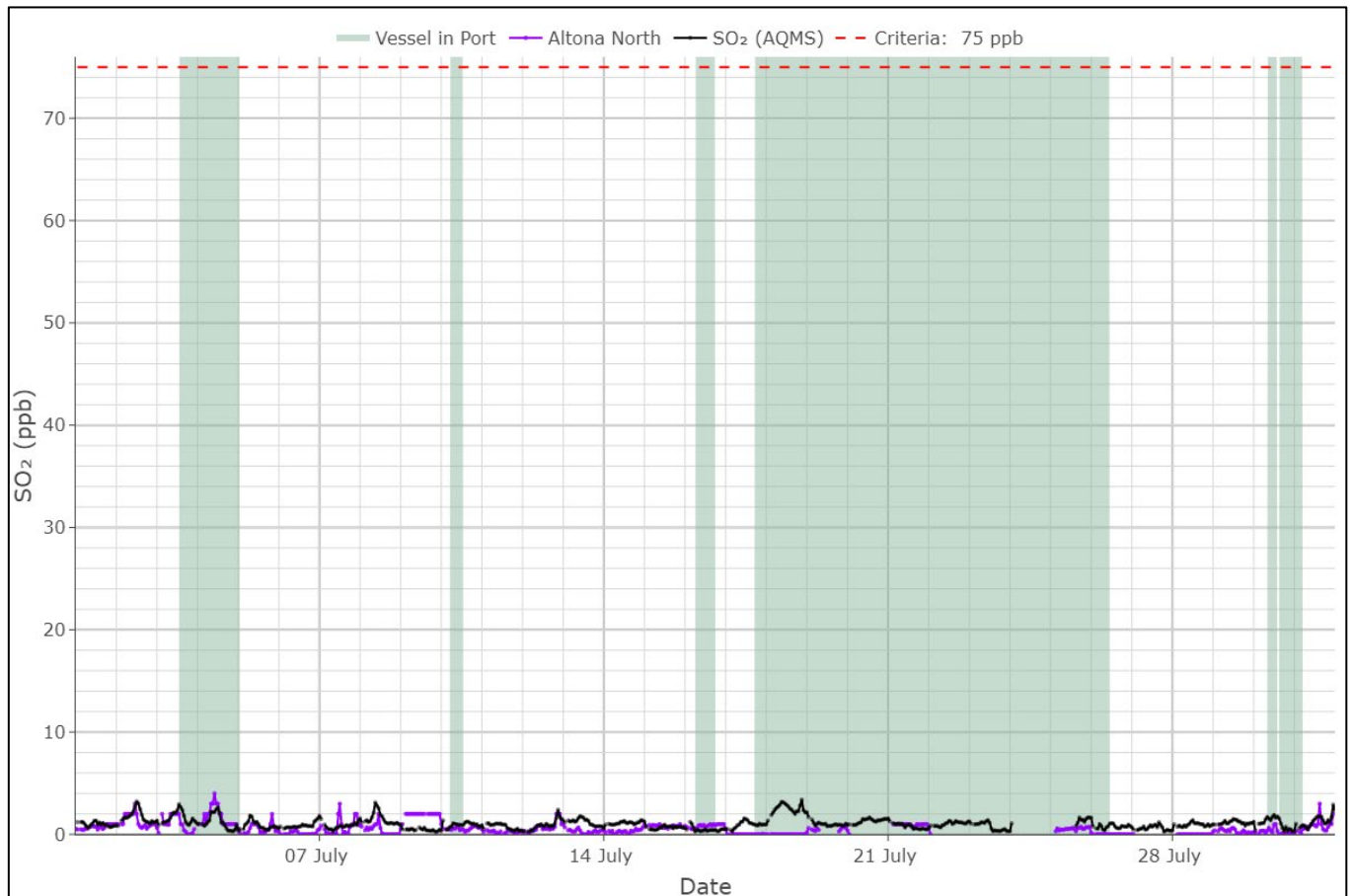


Figure 5 Hourly average SO₂ concentrations (ppb) at Station Pier and local EPA Station (July 2024) (criteria: 75 ppb)

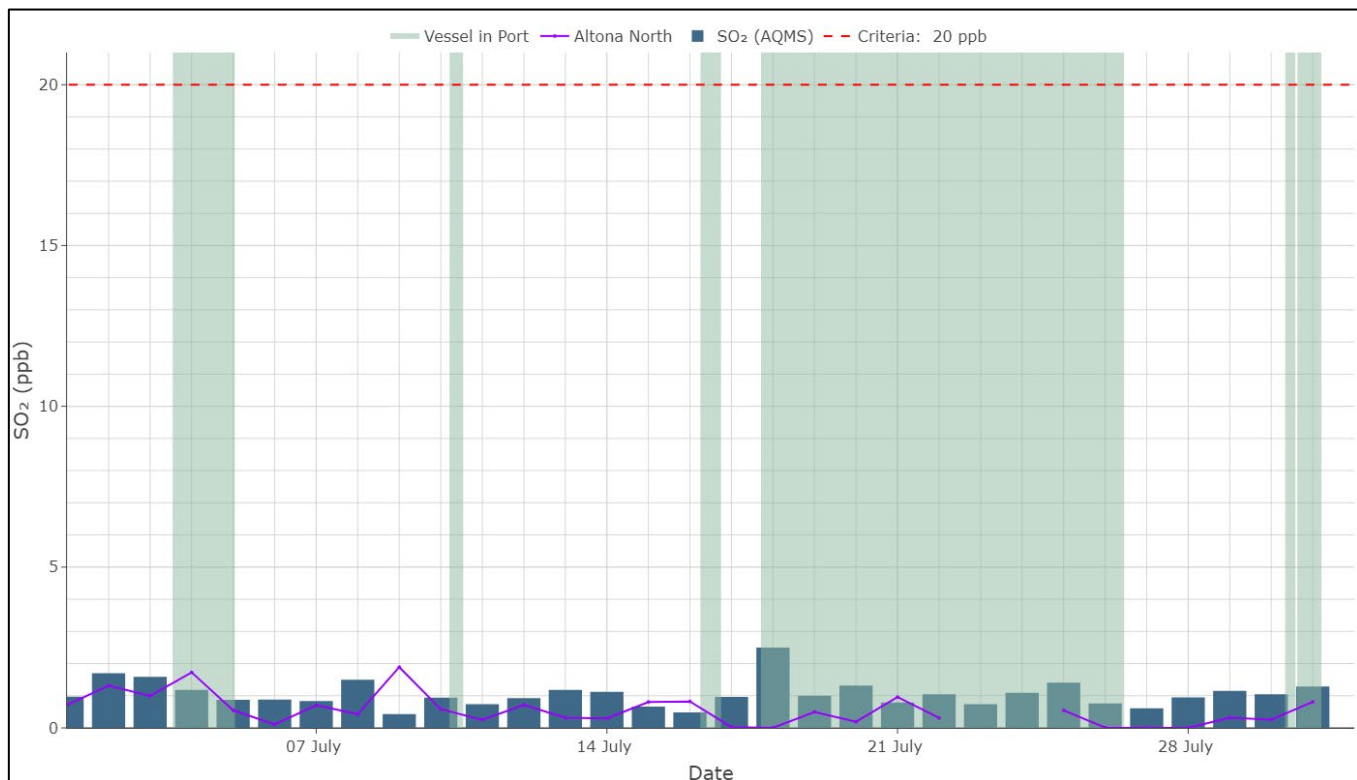


Figure 6 24-hour average SO₂ concentrations (ppb) at Station Pier and local EPA Station (July 2024) (criteria: 20 ppb)

3.5 Summary

Observations of PM₁₀ and PM_{2.5} during the months of July 2024 were lower than the adopted short term criteria (24-hour) except for on 31 July. Elevated PM_{2.5} and PM₁₀ concentrations were observed at both Station Pier AQMS and EPA Stations, which indicates that there was likely a regional emission source(s) contributing to elevated levels rather than a localised source.

All observations of NO₂ and SO₂ during the month of July 2024 were lower than the adopted short term criteria (1-hour and 24-hour).

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 Indicators	Column 2 Objectives	Column 3 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) (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 ³	1 year
Particles as PM ₁₀ (maximum concentration)	50 µg/m ³	1 day
	20 µg/m ³	1 year
Particles as PM _{2.5} (maximum concentration)	25 µg/m ³	1 day
	8 µg/m ³	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 PM₁₀, PM_{2.5}, NO₂ and SO₂ 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 ³	Basis
PM ₁₀	50 µg/m ³	24 hours	Class 1	ERS Objective
	20 µg/m ³	1 year		
PM _{2.5}	25 µg/m ³	24 hours	Class 2	ERS Objective
	8 µg/m ³	1 year		
NO ₂ (maximum concentration)	80 ppb	1 hour	Class 1	ERS Objective
	15 ppb	1 year		
SO ₂ (maximum concentration)	75 ppb	1 hour	Class 1	ERS Objective
	20 ppb	24 hours		

³ Substances are classified as per Schedule 4 of the Environmental Protection Regulations 2021

Appendix B

Data analysis – July 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
Air Quality Monitoring System (AQMS)				
MetOne Spirant Beta Attenuation Monitoring	Particles as PM ₁₀	Beta Attenuation Monitoring (BAM) technology	AS 3580.9.12.2022	Station Pier. Refer to Figure B.1 for location of AQMS.
MetOne Spirant BAM	Particles as PM _{2.5}	BAM technology	AS 3580.9.11.2022	
Ecotech Model Serinus® 40	Nitrogen dioxide (NO ₂)	Chemiluminescence technology	AS 3580.5.1.2011	
Ecotech Model Serinus® 50	Sulphur dioxide (SO ₂)	Pulse UV Fluorescent Radiation technology	AS 3580.4.1.2008	
Ultrasonic anemometer at 10 m	Wind speed, wind direction 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 July 2024 to 31 July 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 July 2024 to 31 July 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 July 2024	Reason for missing data
PM ₁₀	µg/m ³	95%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)
PM _{2.5}	µg/m ³	94%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)
NO ₂	ppb	91%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00) – Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation (1 July 01:00 to 31 July 01:55). – Unrealistic negative readings (28 July 09:55)
SO ₂	ppb	91%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00) – Intermittent static offset of +0.5 ppb, +0.9 ppb, +1 ppb and +1.4 ppb applied to correct SO₂ baseline (01 July 00:00 to 28 July 00:55) – Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation (1 July 01:00 to 31 July 01:55). – Automatic background checks every night between 23:45 and 23:50 (1 July 23:45 to 31 July 23:50). – Linear offset A= -2.0 ppb and B = +0.1 ppb applied to correct baseline (25 July 14:05 to 28 July 00:55)
Wind speed	m/s	95%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)
Wind direction	°	95%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)
Ambient temperature	°C	95%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)
Relative humidity	%	95%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00)

Parameters	Units	Data availability (%) between 1 and 31 July 2024	Reason for missing data
			– Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)
Sigma	°	95%	– Scheduled monthly maintenance followed by instrument stabilisation. (9 July 08:50 to 11:00) – Instrument fault – possible power interruption followed by instrument stabilisation (24 July 01:00 to 18:00)

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 July 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 22% of all incident winds, followed by winds from the west (12%).
- The average wind speed is at 3.0 m/s.
- Calms (wind speeds less than 0.5 m/s) occur 3.8% of the time.
- Winds from the north-northeast, south-southwest, southwest, and north-northwest each occur between 5 and 10% of the time.
- Winds from the northeast, northeast-east, east, southeast-east, southeast, south-southeast, south, west-northwest and northwest each occurred for less than 5% of the time.

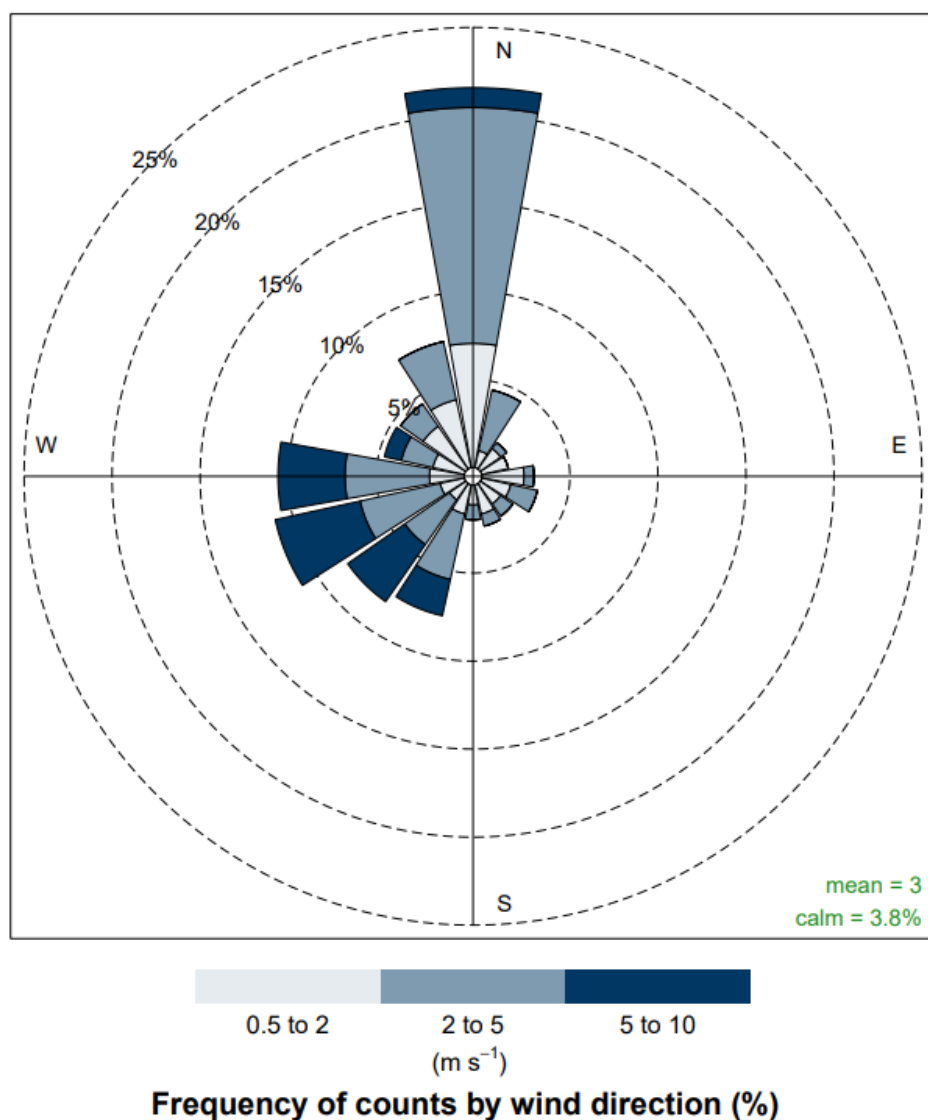


Figure B.2 July 2024 windrose at Station Pier

B-2-2 Other meteorological parameters

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

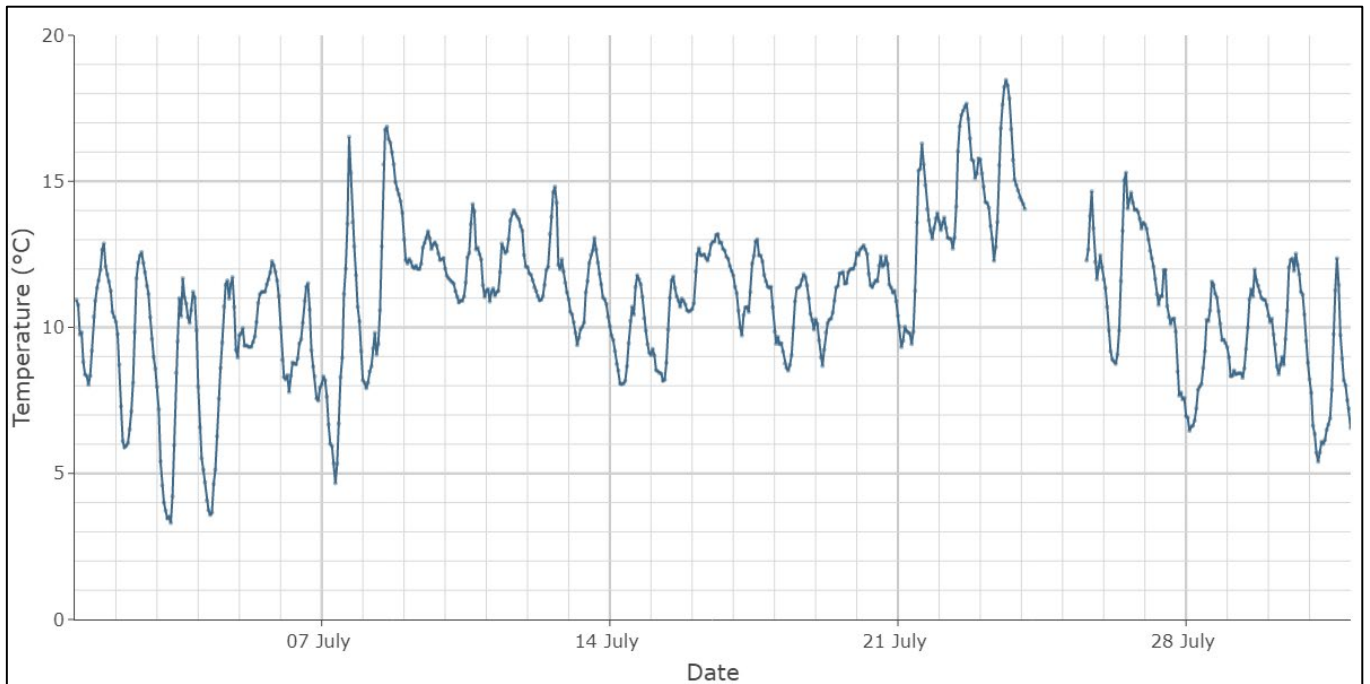


Figure B.3 July 2024 temperature observations at Station Pier

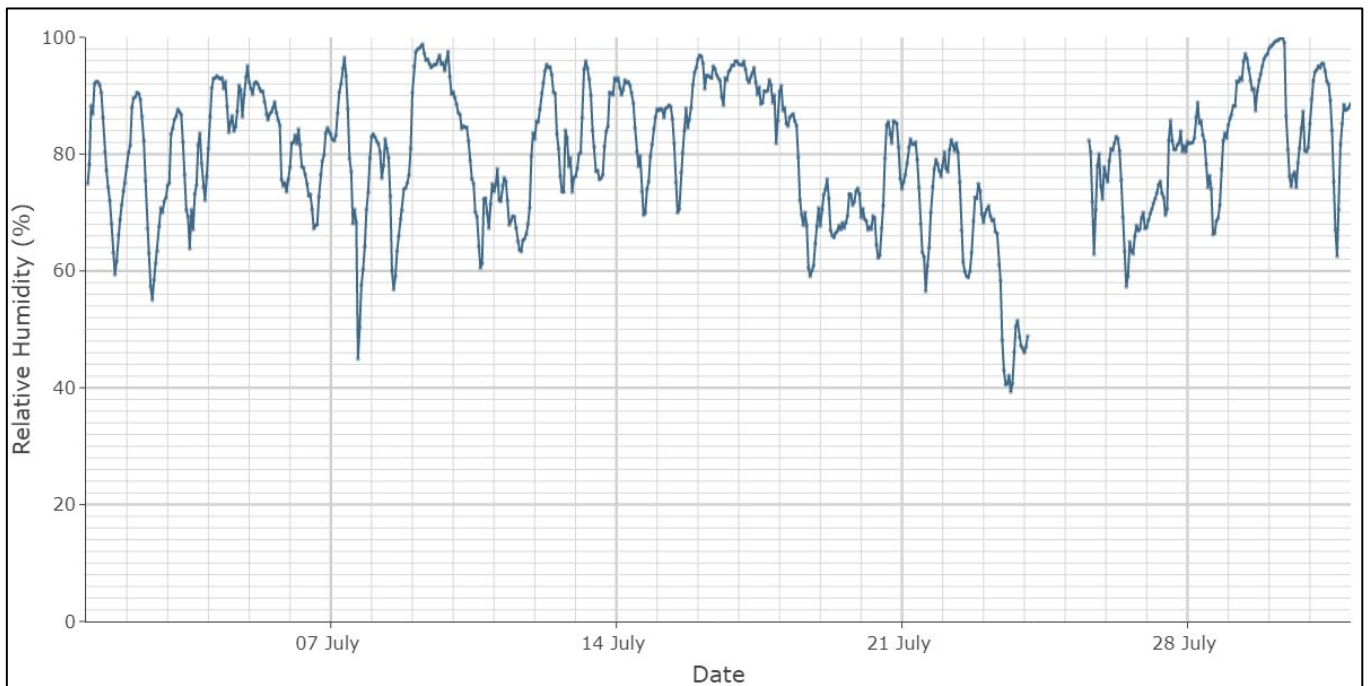


Figure B.4 July 2024 relative humidity observations at Station Pier

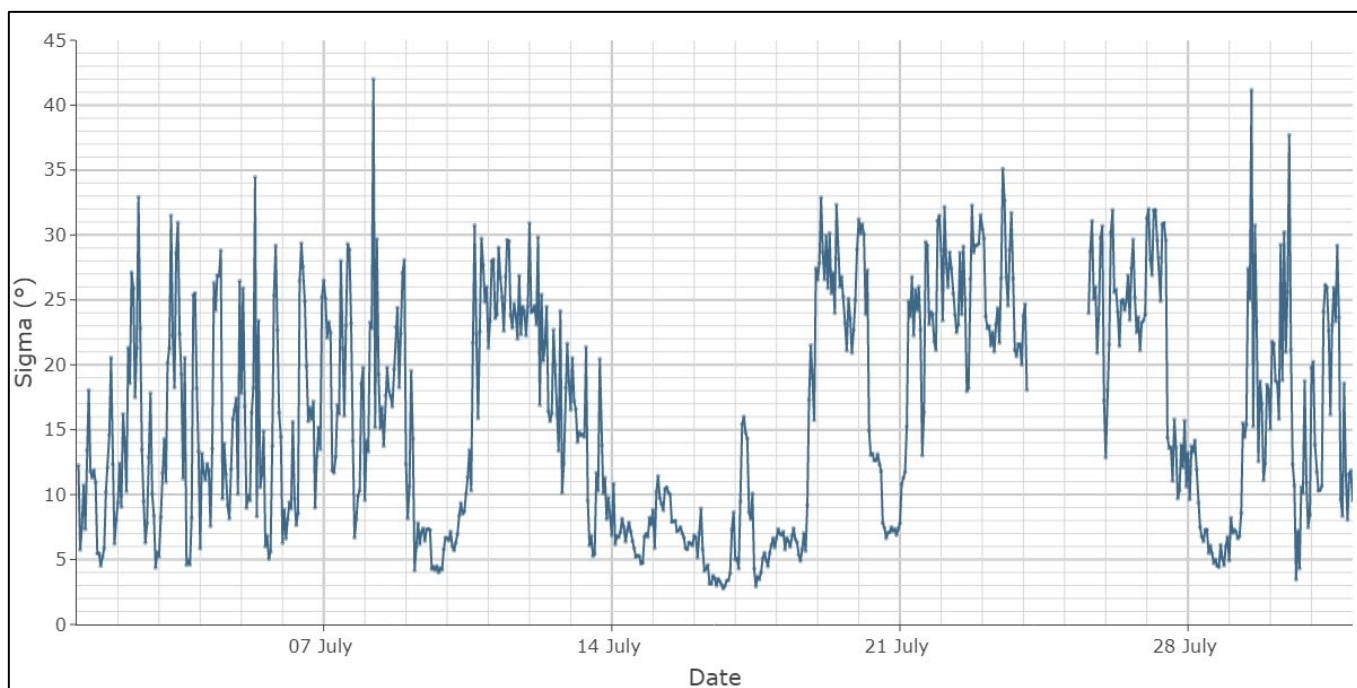


Figure B.5 July 2024 sigma observations at Station Pier

B-2-3 PM₁₀

The PM₁₀ 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 PM₁₀ 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 PM₁₀ 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 PM₁₀ concentrations in each wind direction for the month.

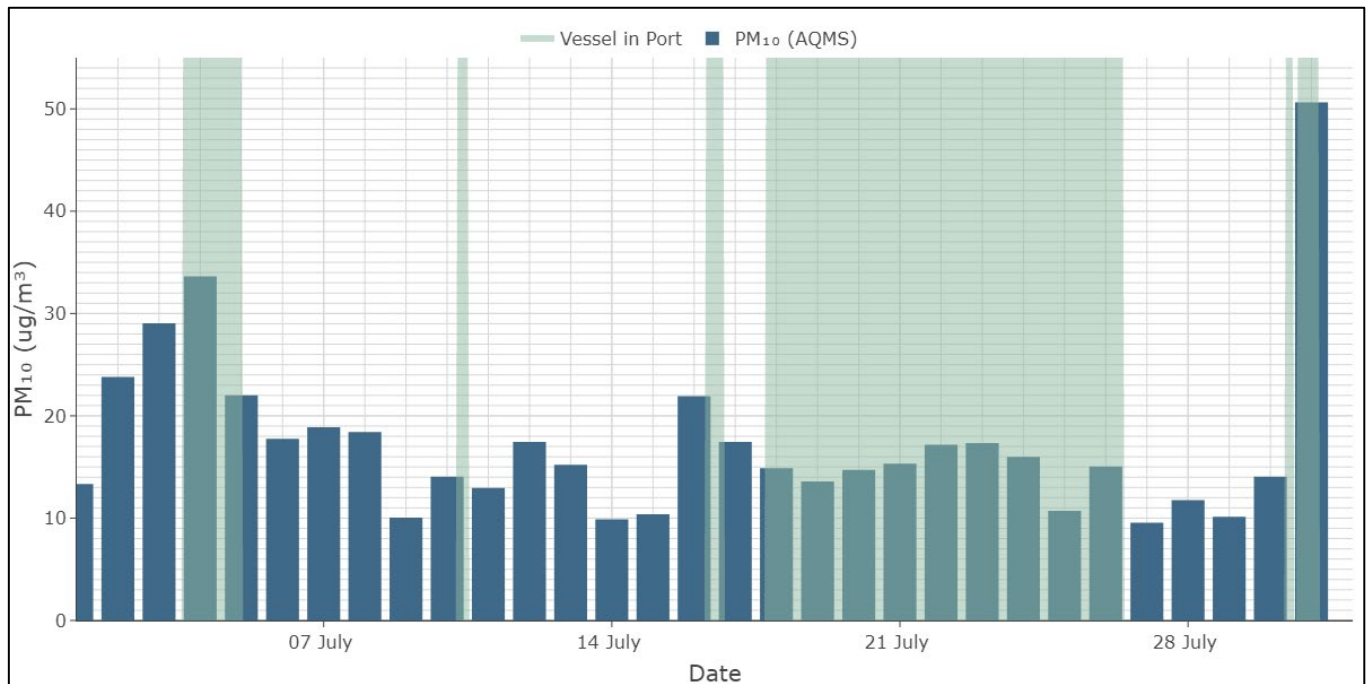


Figure B.6 24-hour average PM₁₀ concentrations ($\mu\text{g}/\text{m}^3$) at Station Pier (July 2024) (criteria: 50 $\mu\text{g}/\text{m}^3$)

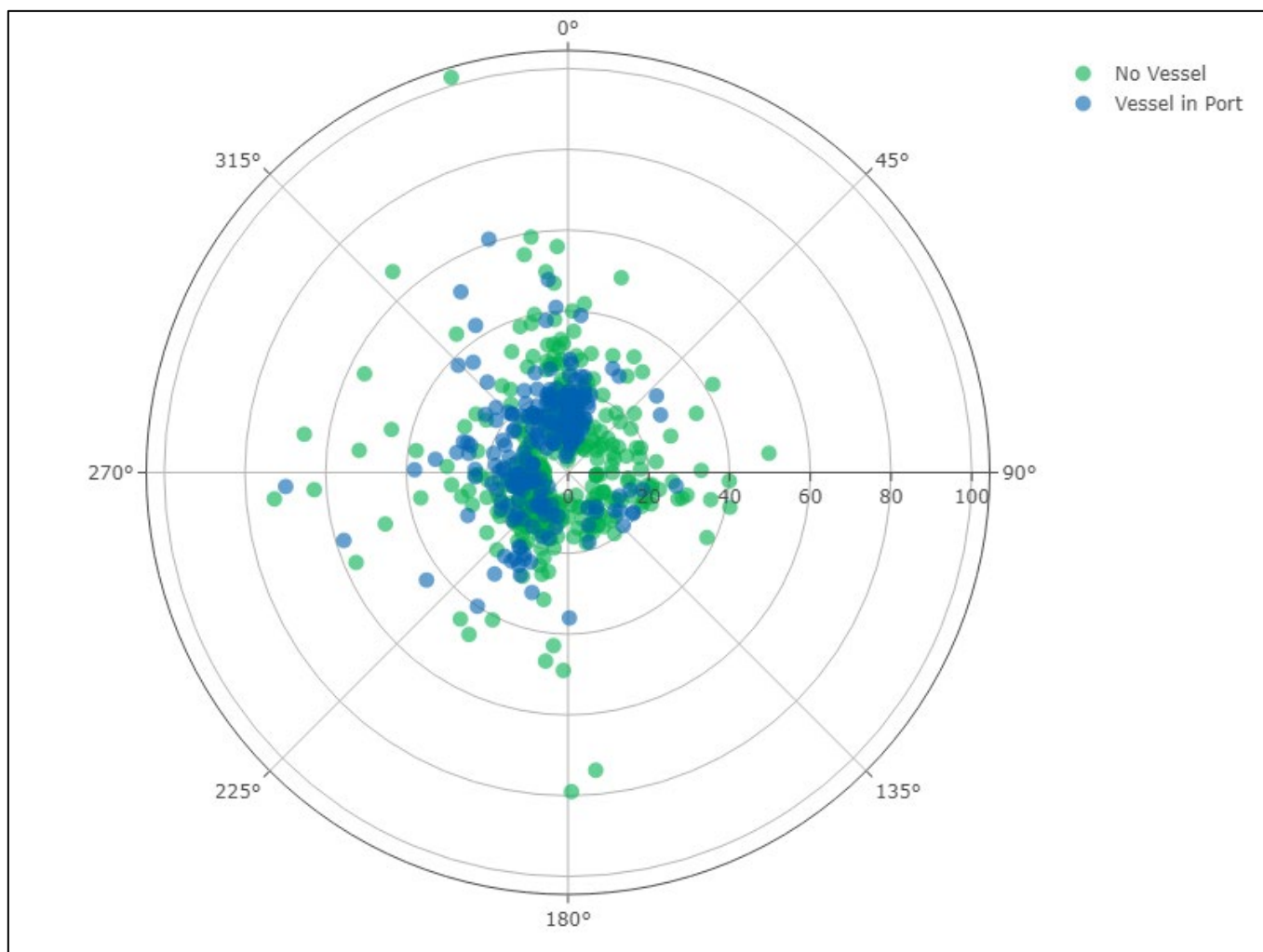


Figure B.7 Hourly average PM_{10} concentration ($\mu\text{g}/\text{m}^3$) by wind direction (July 2024)

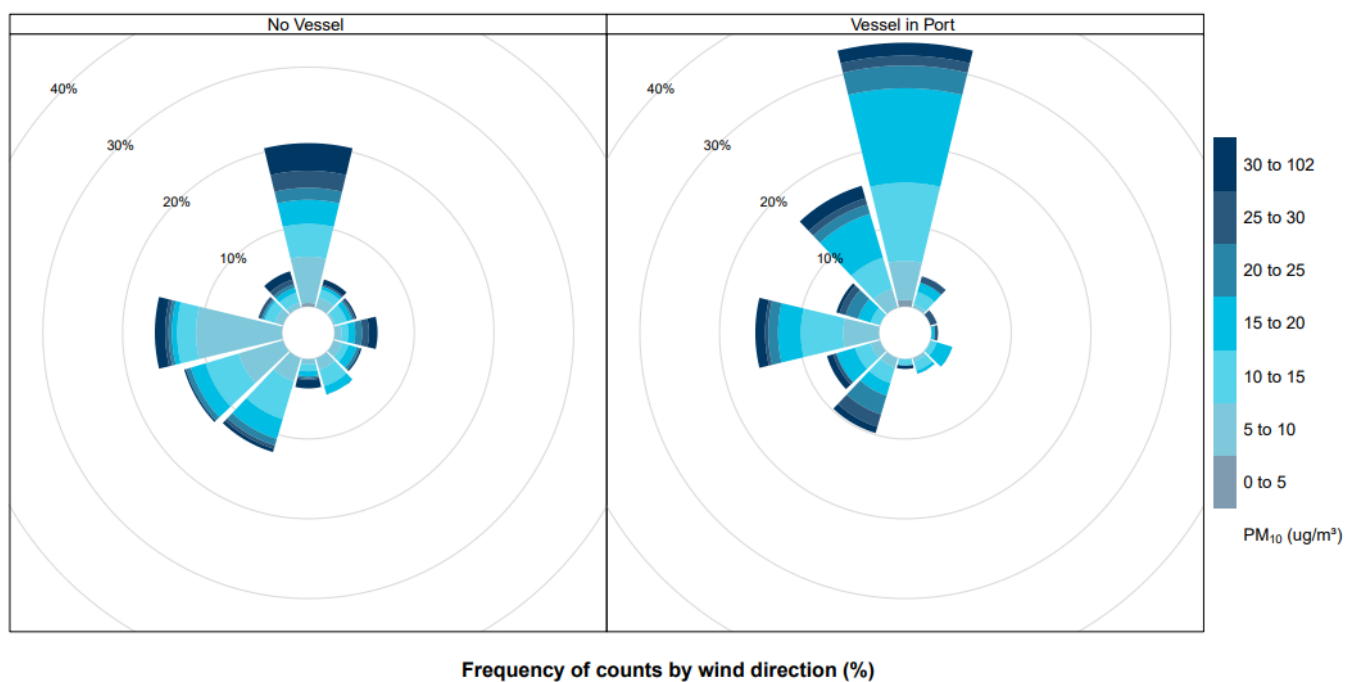


Figure B.8 Hourly average PM_{10} concentration ($\mu\text{g}/\text{m}^3$) pollution roses (July 2024)

B-2-4 PM_{2.5}

The PM_{2.5} 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_{2.5} 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_{2.5} 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_{2.5} concentrations in each wind direction for the month.

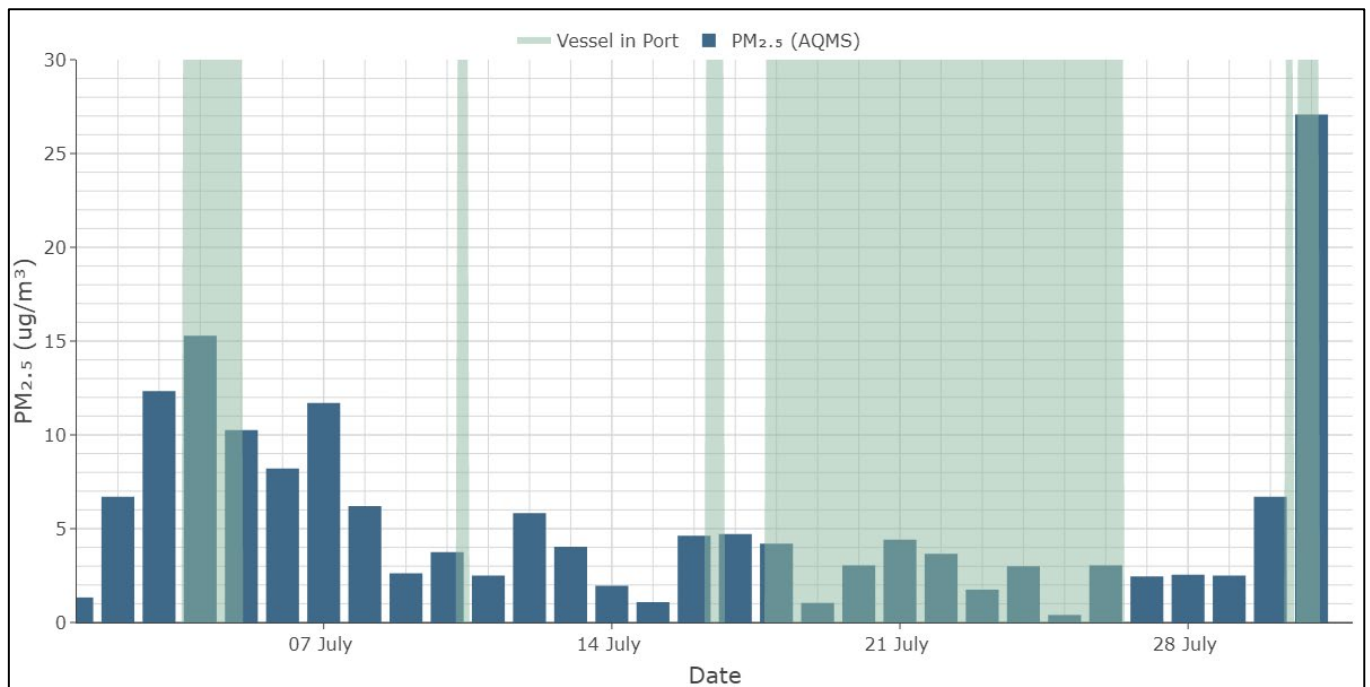


Figure B.9 24-hour average PM_{2.5} concentrations (µg/m³) at Station Pier (July 2024) (criteria: 25 µg/m³)

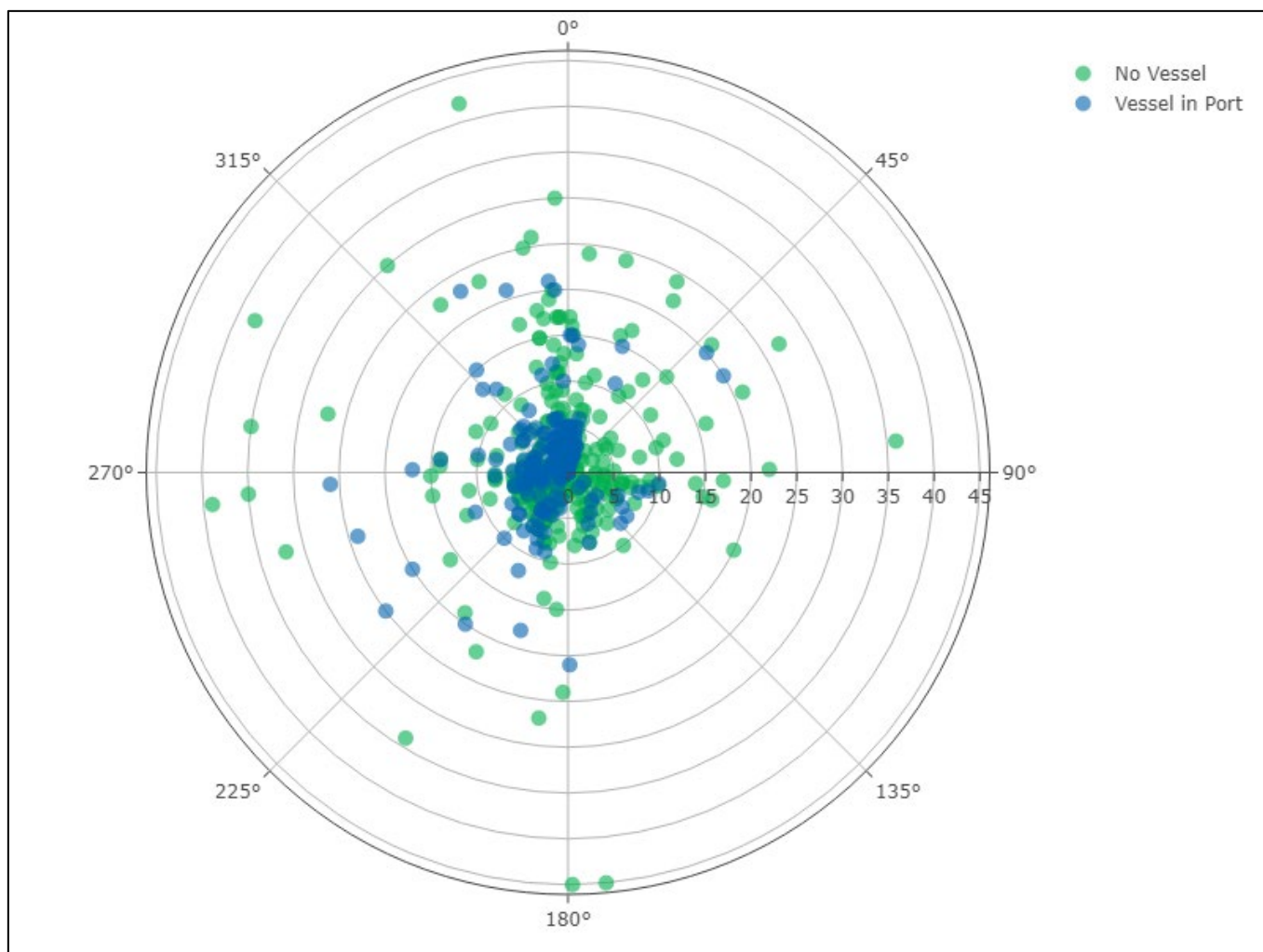


Figure B.10 Hourly average $PM_{2.5}$ concentration ($\mu\text{g}/\text{m}^3$) by wind direction (July 2024)

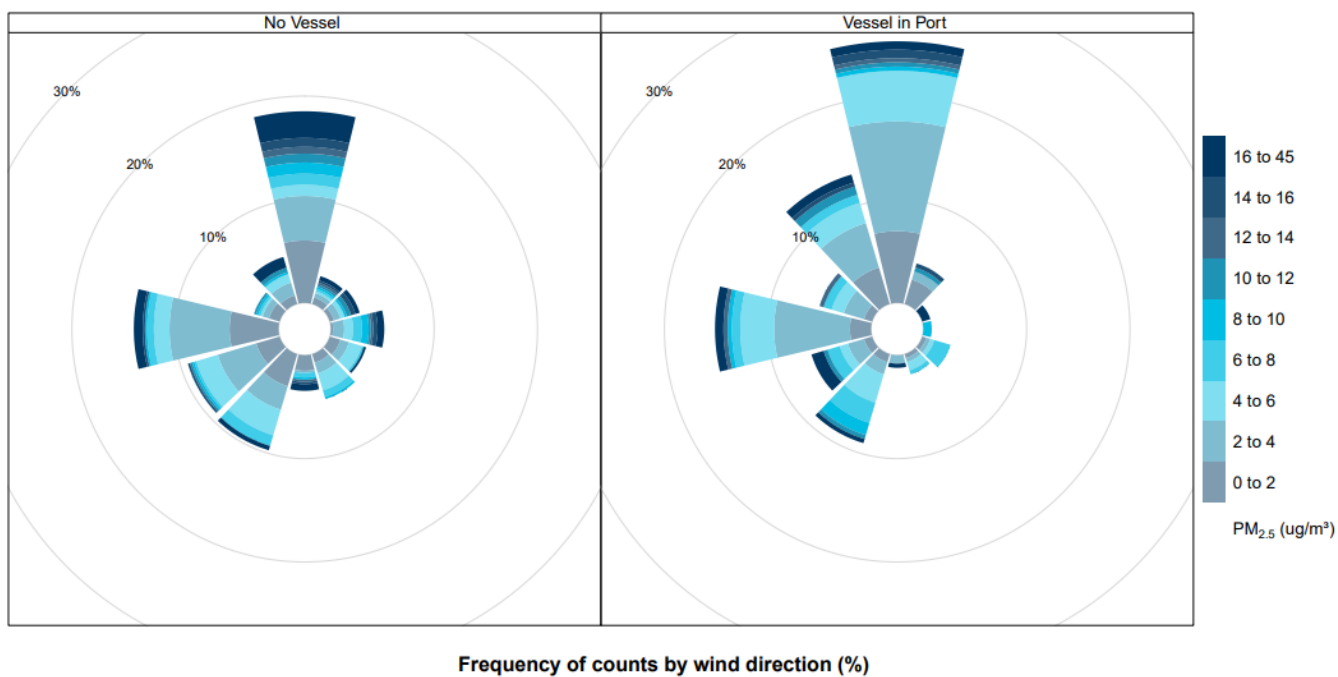


Figure B.11 Hourly average $PM_{2.5}$ concentration ($\mu\text{g}/\text{m}^3$) pollution roses (July 2024)

B-2-5 NO₂

The NO₂ 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 NO₂ 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 NO₂ 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 NO₂ concentrations in each wind direction for the month.

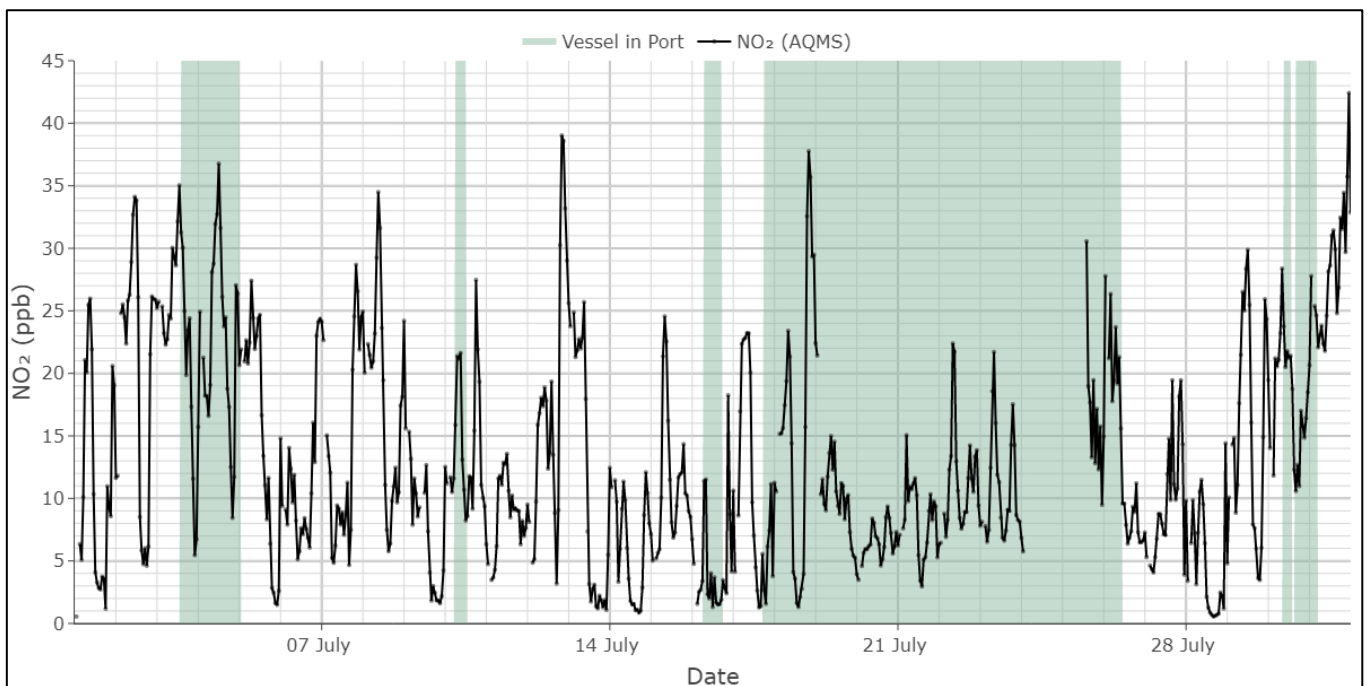


Figure B.12 Hourly average NO₂ concentrations (ppb) at Station Pier (July 2024) (criteria: 80 ppb)

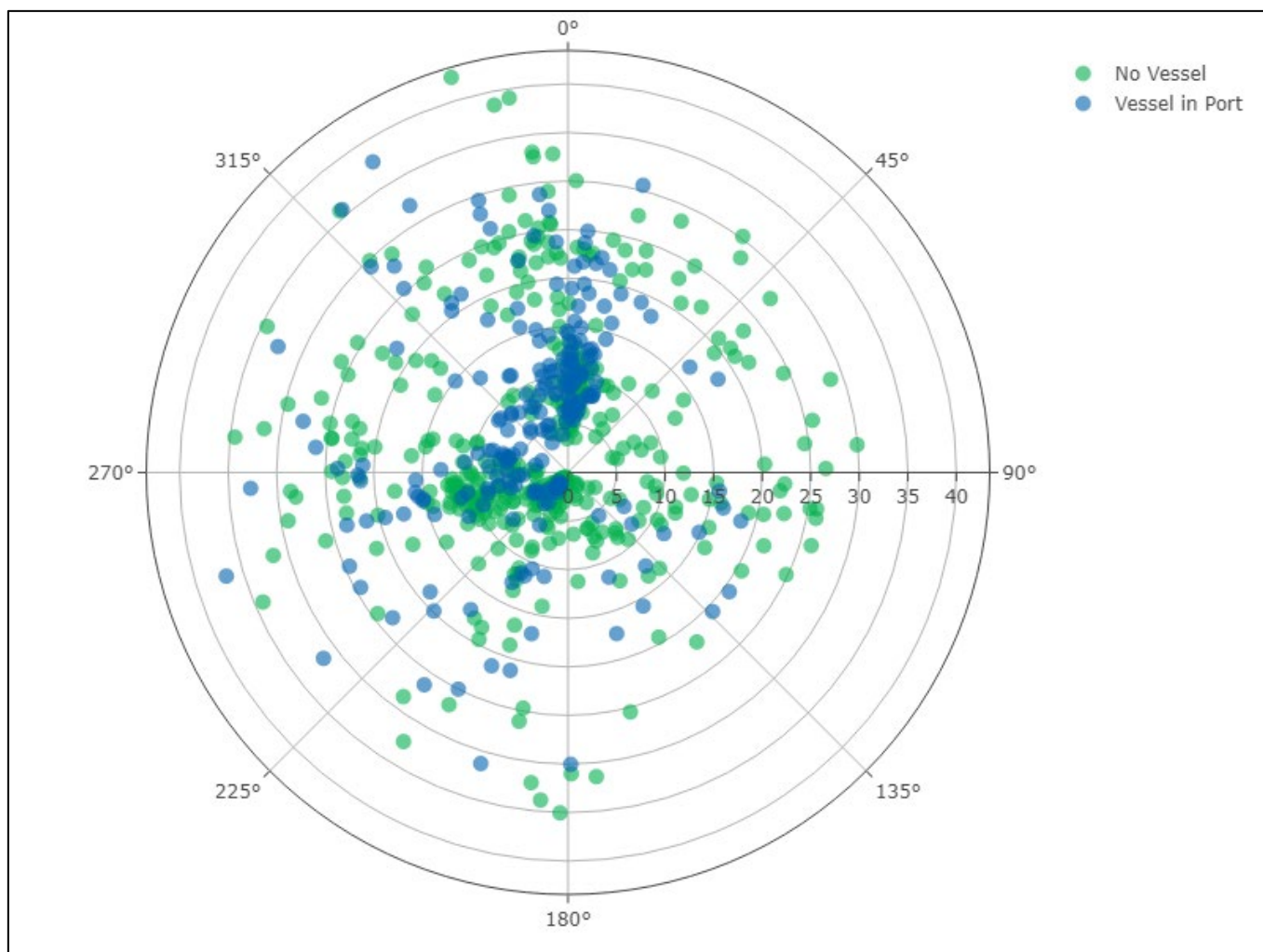


Figure B.13 Hourly average NO_2 concentration (ppb) by wind direction (July 2024)

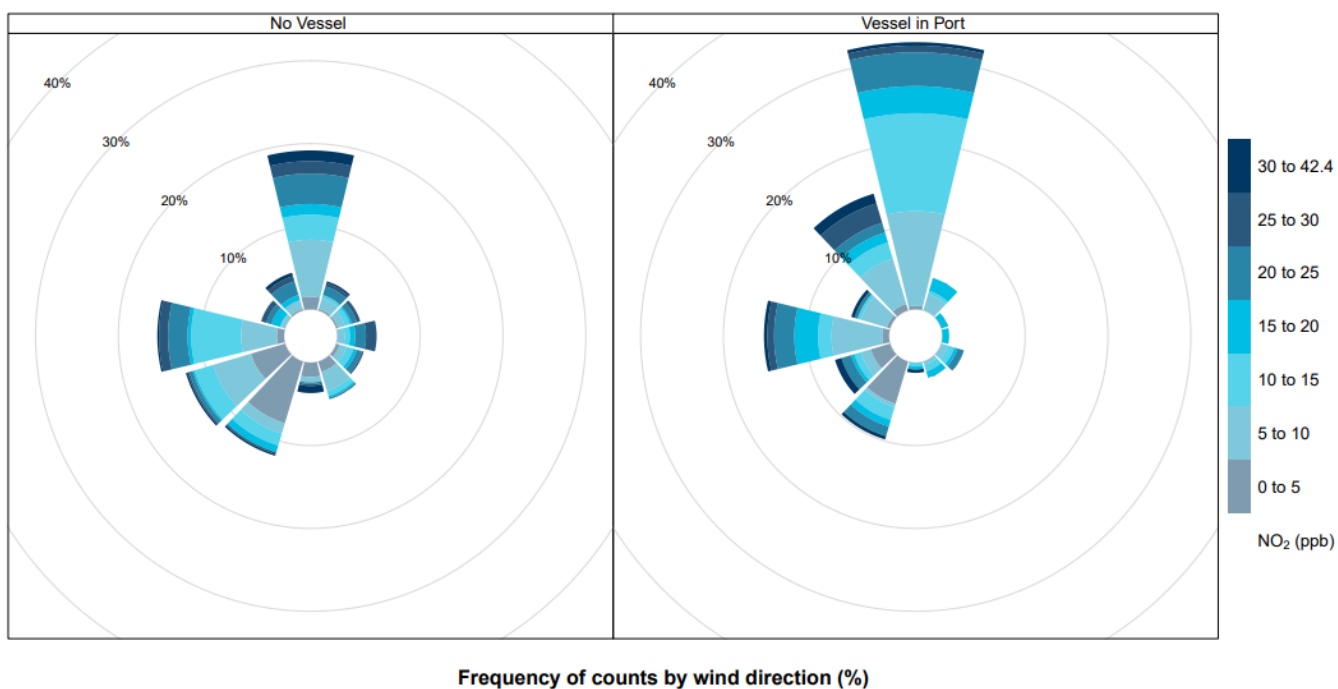


Figure B.14 Hourly average NO_2 concentration (ppb) pollution roses (July 2024)

B-2-6 SO₂

The SO₂ 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 SO₂ 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 SO₂ 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 SO₂ concentrations in each wind direction for the month.
- Figure B.18:** Presents the 24-hour average SO₂ concentrations observed at the Station Pier AQMS, with hours during which a vessel was present in the port highlighted.

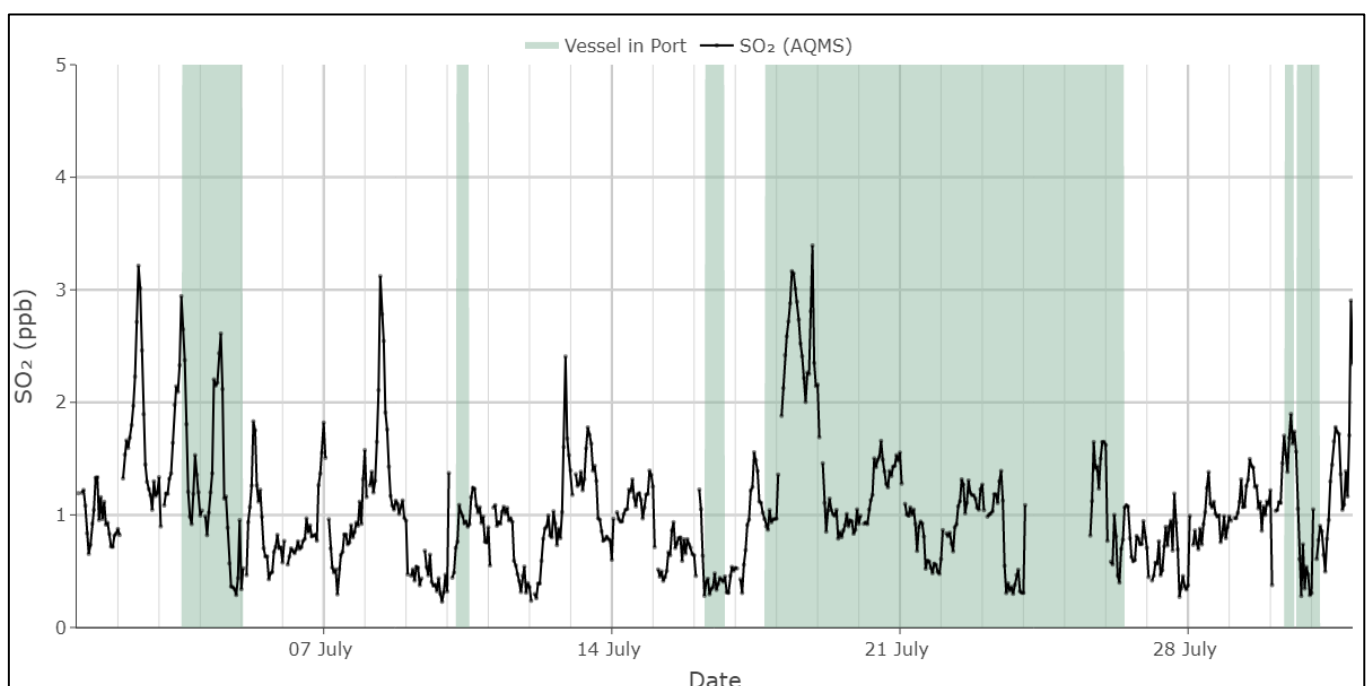


Figure B.15 Hourly average SO₂ concentrations (ppb) at Station Pier (July 2024) (criteria: 75 ppb)

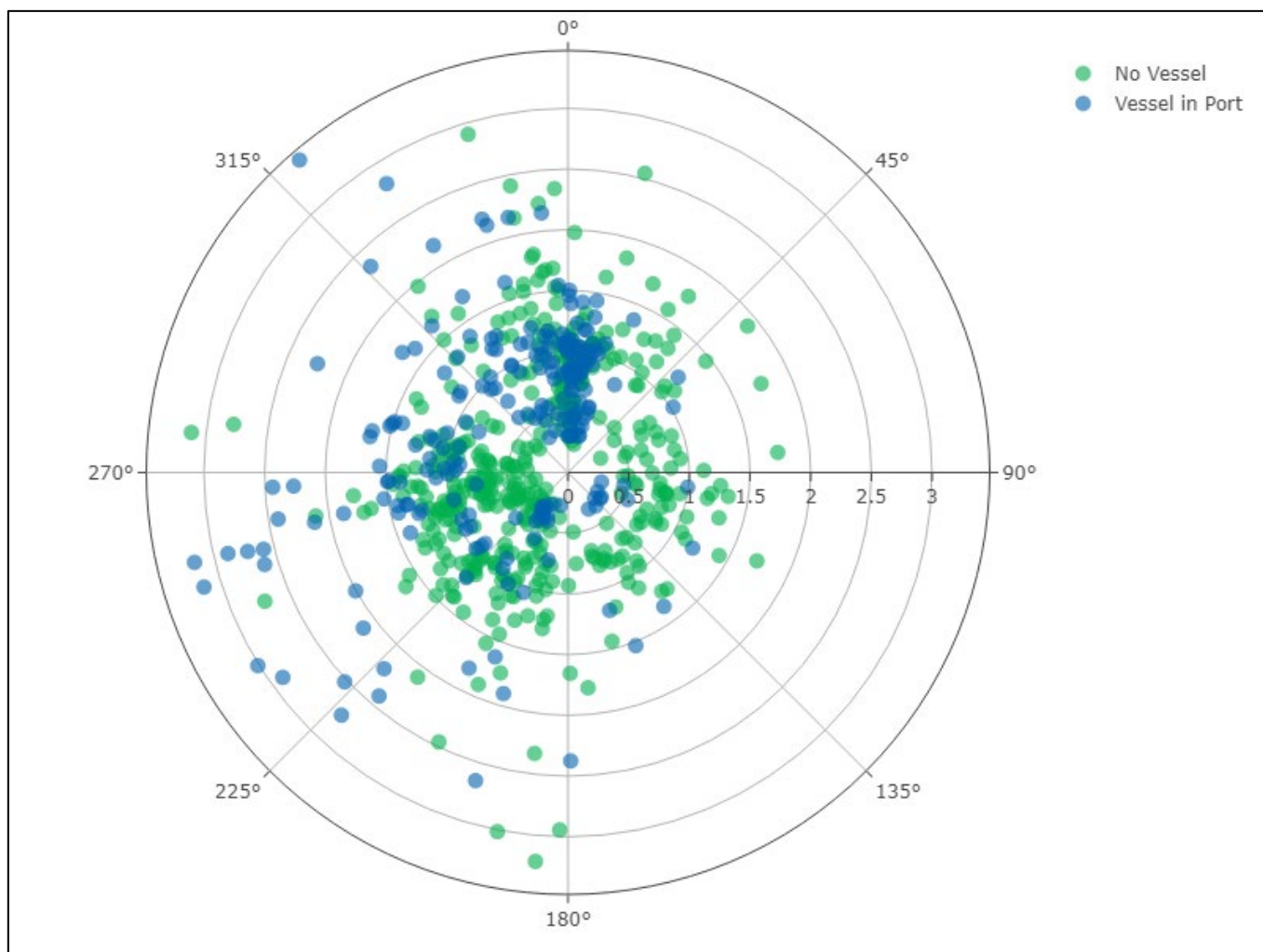


Figure B.16 Hourly average SO₂ concentration (ppb) by wind direction (July 2024)

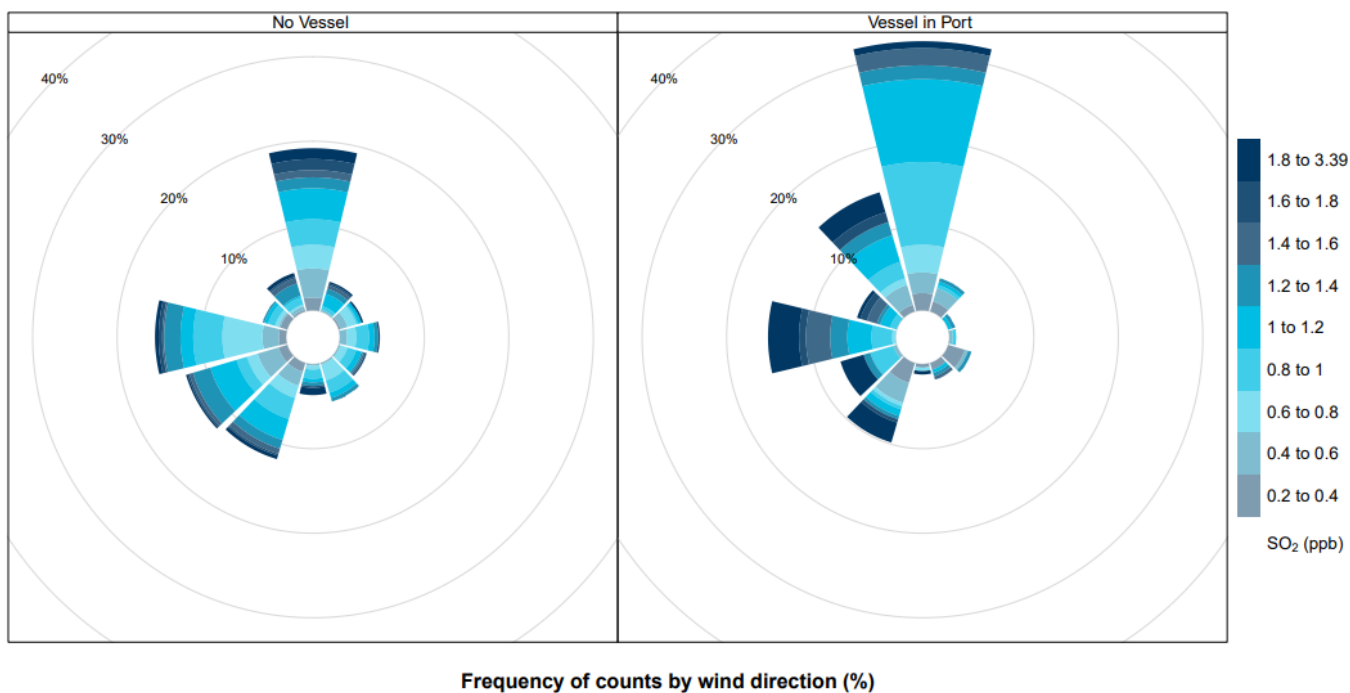


Figure B.17 Hourly average SO₂ concentration (ppb) pollution roses (July 2024)

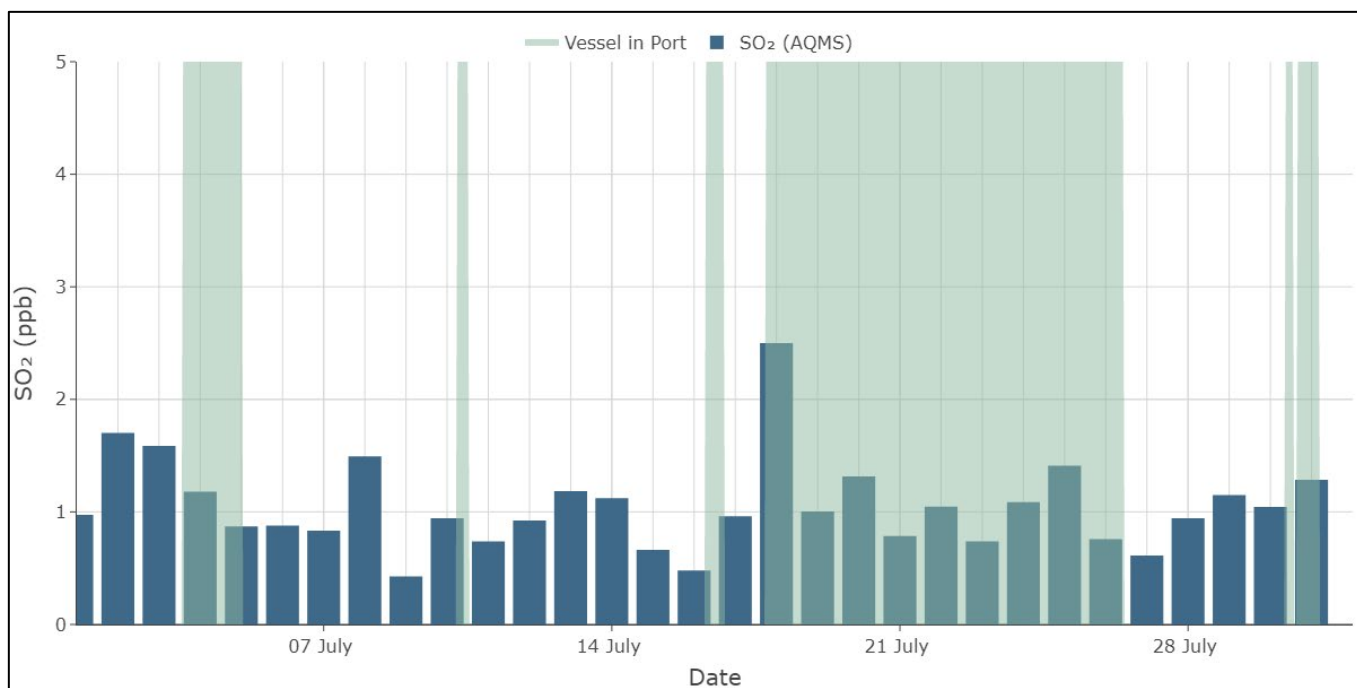


Figure B.18 24-hour average SO₂ concentrations (ppb) at Station Pier (July 2024) (criteria: 20 ppb)

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 PM₁₀

Station Pier AQMS observations

The 24-hour average PM₁₀ concentrations observed at the Station Pier AQMS are presented in Figure B.19 alongside observations from the local EPA Stations and the adopted criterion.

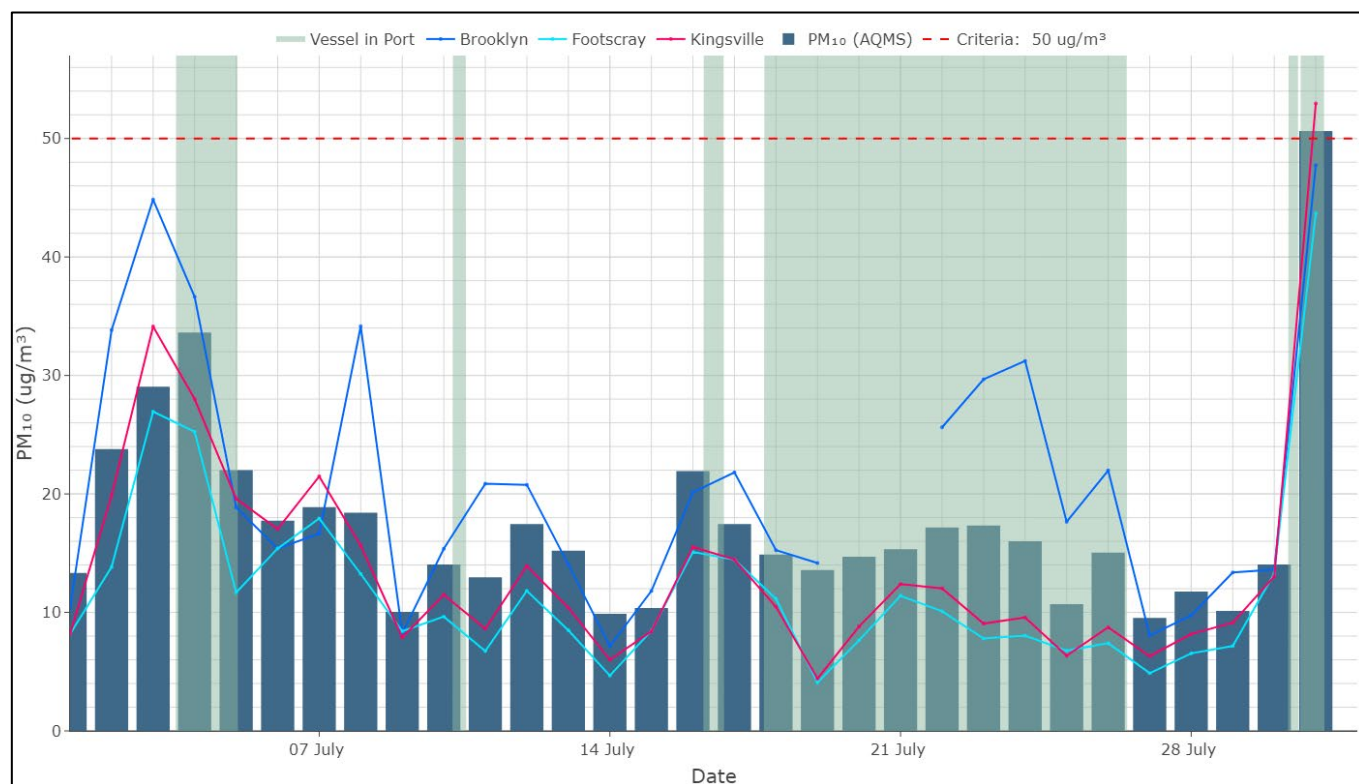


Figure B.19 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier and local EPA stations (July 2024) (criteria: 50 µg/m³)

Correlation between the 24-hour average Station Pier observations and local EPA station observations is presented in Table B.3. Positive correlation (>0.8) was observed between the Station Pier observations and the EPA station observations for Kingsville, Footscray and Brooklyn EPA stations.

All PM₁₀ concentrations were below the adopted criterion, except on July 31. The maximum 24-hour average concentration recorded on this day was 50.6 µg/m³, which is 1.3% above the criterion.

On 31 July, elevated PM₁₀ concentrations were also observed at EPA Stations located at Brooklyn, Kingsville and Footscray. The higher concentrations of PM₁₀ 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 PM₁₀ Station Pier observations and local EPA station observations

EPA Station	Correlation coefficient (r)
Kingsville	0.96
Footscray	0.94
Brooklyn	0.83

B-3-2 PM_{2.5}

Station Pier AQMS observations

The 24-hour average PM_{2.5} concentrations observed at the Station Pier AQMS are presented in Figure B.20 alongside observations from the local EPA Stations and the adopted criterion.

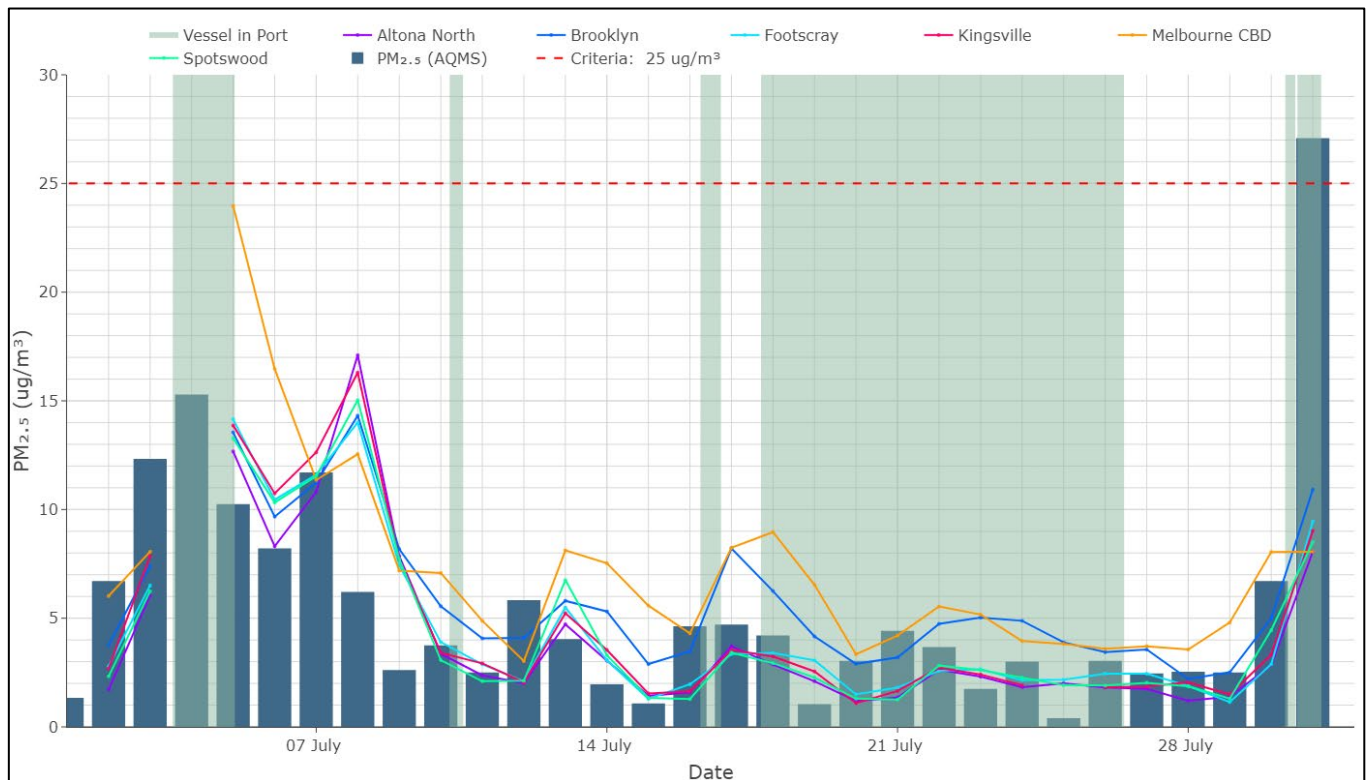


Figure B.20 24-hour average PM_{2.5} concentrations (µg/m³) at Station Pier and local EPA stations (July 2024) (criteria: 25 µg/m³)

Correlation between the 24-hour average Station Pier observations and local EPA Stations observations is presented in Table B.4. Minimal correlation (less than 0.6) was observed between the Station Pier observations and the EPA station observations for all EPA Stations.

All PM_{2.5} concentrations were below the adopted criterion except on 31 July. The maximum 24-hour average concentration recorded on this day was 27.1 µg/m³, which was 8.3% above the criterion.

On 31 July, slightly elevated PM_{2.5} concentrations were observed at all nearby EPA stations. Elevated PM₁₀ concentrations were observed at EPA Stations located at Brooklyn, Kingsville and Footscray. The higher levels of PM_{2.5} and PM₁₀ 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_{2.5} Station Pier observations and local EPA Stations observations

EPA Station	Correlation coefficient (r)
Altona North	0.50
Spotswood	0.54
Kingsville	0.55
Footscray	0.58
Brooklyn	0.60
Melbourne CBD	0.40

B-3-3 NO₂

Station Pier AQMS observations

The hourly average NO₂ concentrations observed at the Station Pier AQMS are presented in Figure B.21 alongside observations from the local EPA Station and the adopted criterion.

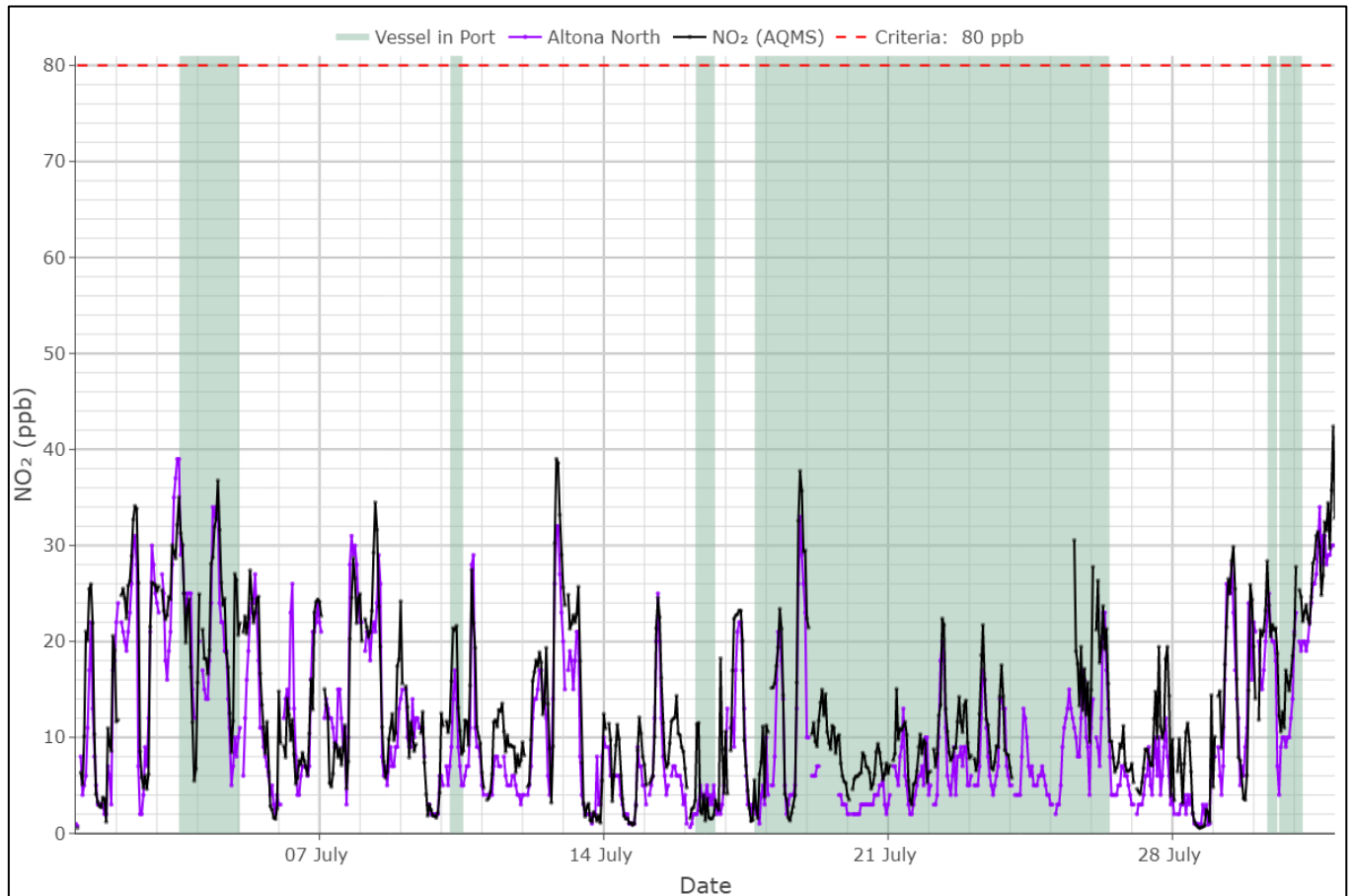


Figure B.21 Hourly average NO₂ concentrations (ppb) at Station Pier and local EPA Station (July 2024) (criteria: 80 ppb)

Positive correlation (0.86) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted NO₂ criterion. The maximum hourly average concentration recorded was 42.4 ppb, which is 47% below the criterion.

B-3-4 SO₂

Station Pier AQMS observations

The hourly average SO₂ concentrations observed at the Station Pier AQMS are presented in Figure B.22 alongside observations from the local EPA Station and the adopted criterion.

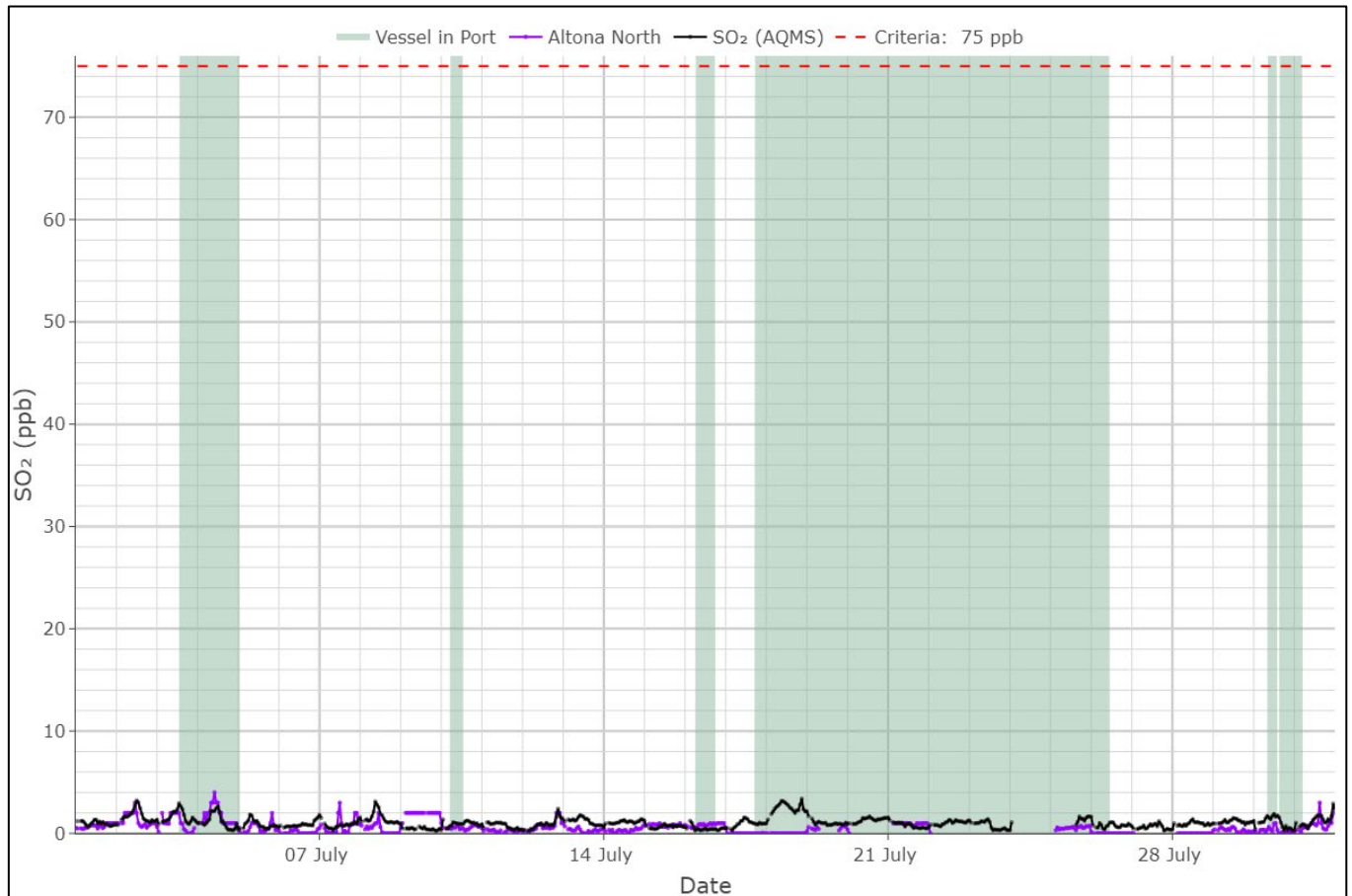


Figure B.22 Hourly average SO₂ concentrations (ppb) at Station Pier and local EPA stations (July 2024) (criteria: 75 ppb)

Minimal correlation (0.14) was observed between the Station Pier observations and the Altona North EPA station observations.

All hourly average SO₂ concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 3.4 ppb, which is 95% below the criterion.

The 24-hour average SO₂ concentrations observed at the Station Pier AQMS are presented in Figure B.23 alongside observations from the local EPA Station and the adopted criterion.

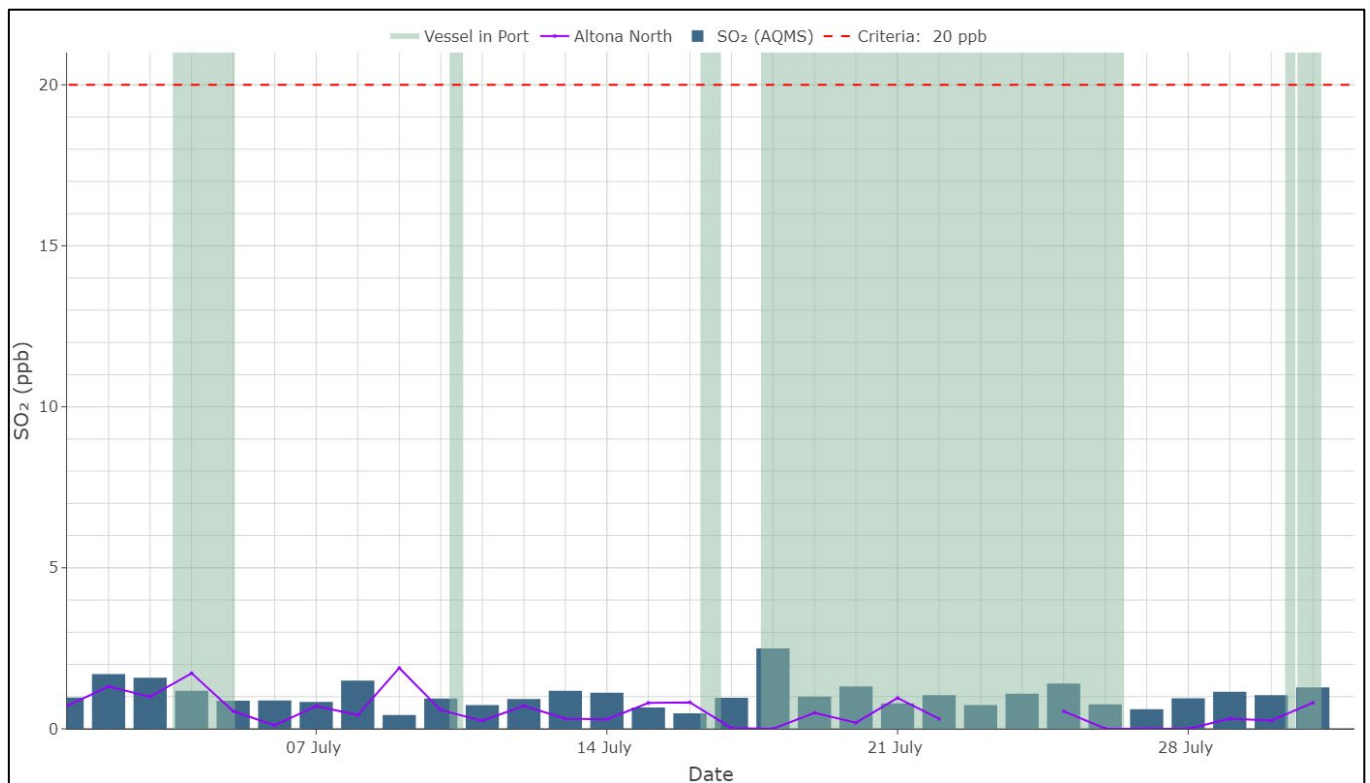


Figure B.23 24-hour average SO₂ concentrations (ppb) at Station Pier and local EPA Station (July 2024) (criteria: 20 ppb)

Minimal correlation (-0.12) was observed between the Station Pier observations and the Altona North EPA station observations.

All 24-hour average SO₂ concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 2.5 ppb, which is 87% below the criterion.

B-3-5 Port activity

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

Table B.5 Vessels present at Station Pier during July 2024

Ship name	Arrival	Departure
ICS Allegiance (T)	3/07/2024 13:22	4/07/2024 23:52
ICS Allegiance (T)	10/07/2024 5:56	10/07/2024 11:15
ICS Allegiance (T)	16/07/2024 6:30	16/07/2024 16:00
Emory S Land	17/07/2024 17:18	26/07/2024 9:35
ICS Allegiance (T)	30/07/2024 8:07	30/07/2024 12:00
MSC Aditi	30/07/2024 15:10	31/07/2024 3:10
ICS Allegiance (T)	30/07/2024 20:19	30/07/2024 23:59

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 PM₁₀, PM_{2.5} and NO₂ concentrations occurred after 1 pm on July 31 when there were no vessels present at the port. The maximum SO₂ concentration occurred when there was one vessel present at the port.

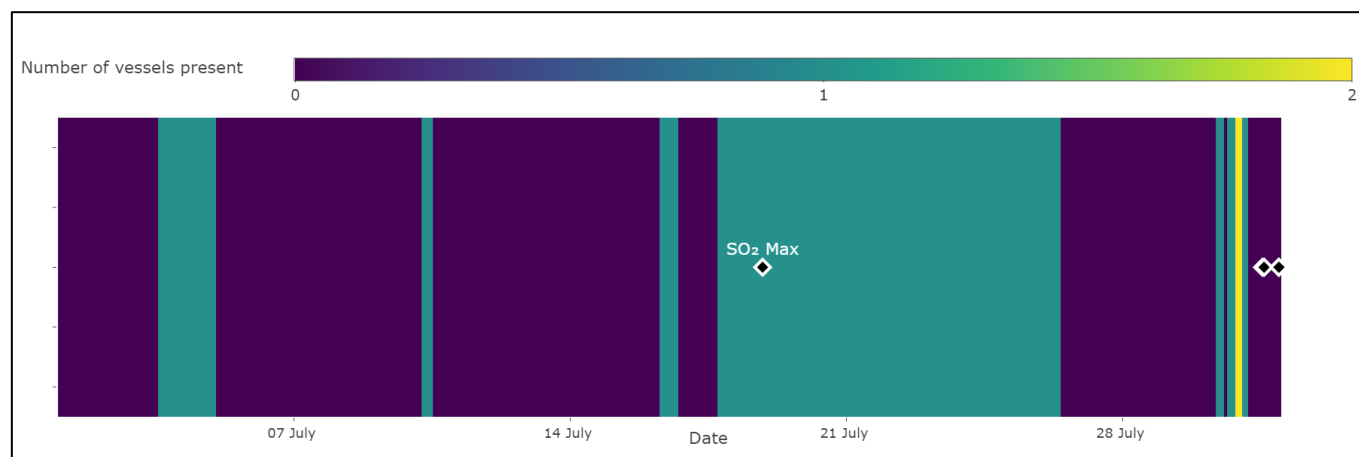


Figure B.24 Number of vessels present compared against maximum concentration observations

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 ₁₀	35%	17.3 µg/m ³	17.9 µg/m ³
PM _{2.5}	34%	6.4 µg/m ³	5.4 µg/m ³
NO ₂	35%	13.2 ppb	13.2 ppb
SO ₂	35%	1.0 ppb	1.1 ppb

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 at the following locations:

- Wilsons Promontory (24 July 2024)
- Anglesea, Carlisle River, and Gellibrand (31 July – 6 August 2024)

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, PM₁₀, PM_{2.5}, NO₂, and SO₂ concentrations. Data from July 2024 has been reviewed by ACOEM and the NATA accredited results are presented in this report.

Station Pier AQMS

Observations of PM₁₀ and PM_{2.5} during the months of July 2024 were lower than the adopted short term criteria (24-hour) except for on 31 July. Elevated PM_{2.5} and PM₁₀ concentrations were observed at both Station Pier AQMS and EPA Stations, which indicates that there was likely a regional emission source(s) contributing to elevated levels rather than a localised source.

All observations of NO₂ and SO₂ during the month of July 2024 were lower than the adopted short term criteria (1-hour and 24-hour).

Appendix C

Data analysis – long term

C-1 PM₁₀

The PM₁₀ data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 July 2024) is presented in Figure C.1 and Figure C.2, in which:

- Figure C.1:** Presents the 24-hour average PM₁₀ 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 PM₁₀ concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.

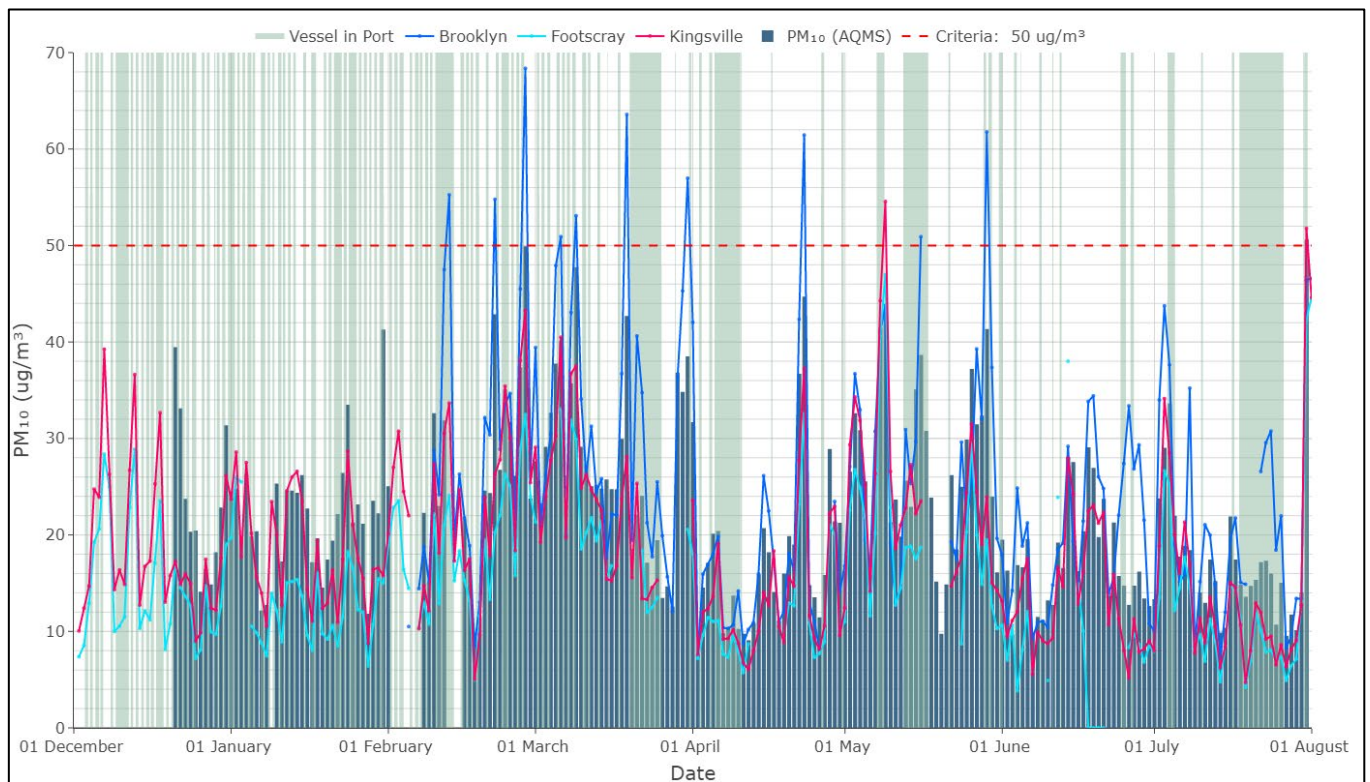


Figure C.1 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier and local EPA stations (December 2023 - July 2024) (criteria: 50 µg/m³)

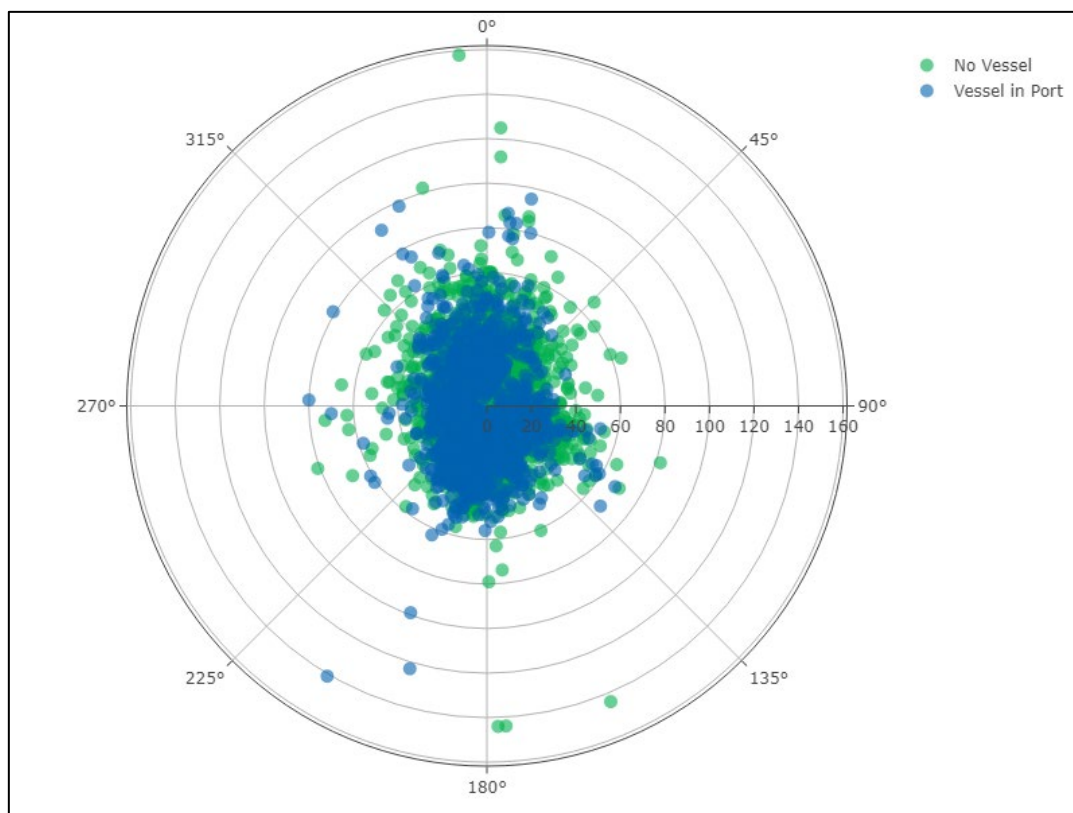


Figure C.2 Hourly average PM_{10} concentration ($\mu g/m^3$) by wind direction (December 2023 - July 2024)

An annual average criterion of $25 \mu g/m^3$ 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 ($\mu g/m^3$)

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
June 2024	17.3	13.7	6.6	20.2
July 2024	17.5	14.2	12.0	20.6
2024 year-to-date	22.0	18.4	14.9	24.5
All available data	22.1	18.4	14.9	24.5
"-" indicates no data available				

C-2 PM_{2.5}

The PM_{2.5} data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 July 2024) is presented in Figure C.3 and Figure C.4, in which:

Figure C.3: Presents the 24-hour average PM_{2.5} 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_{2.5} concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.

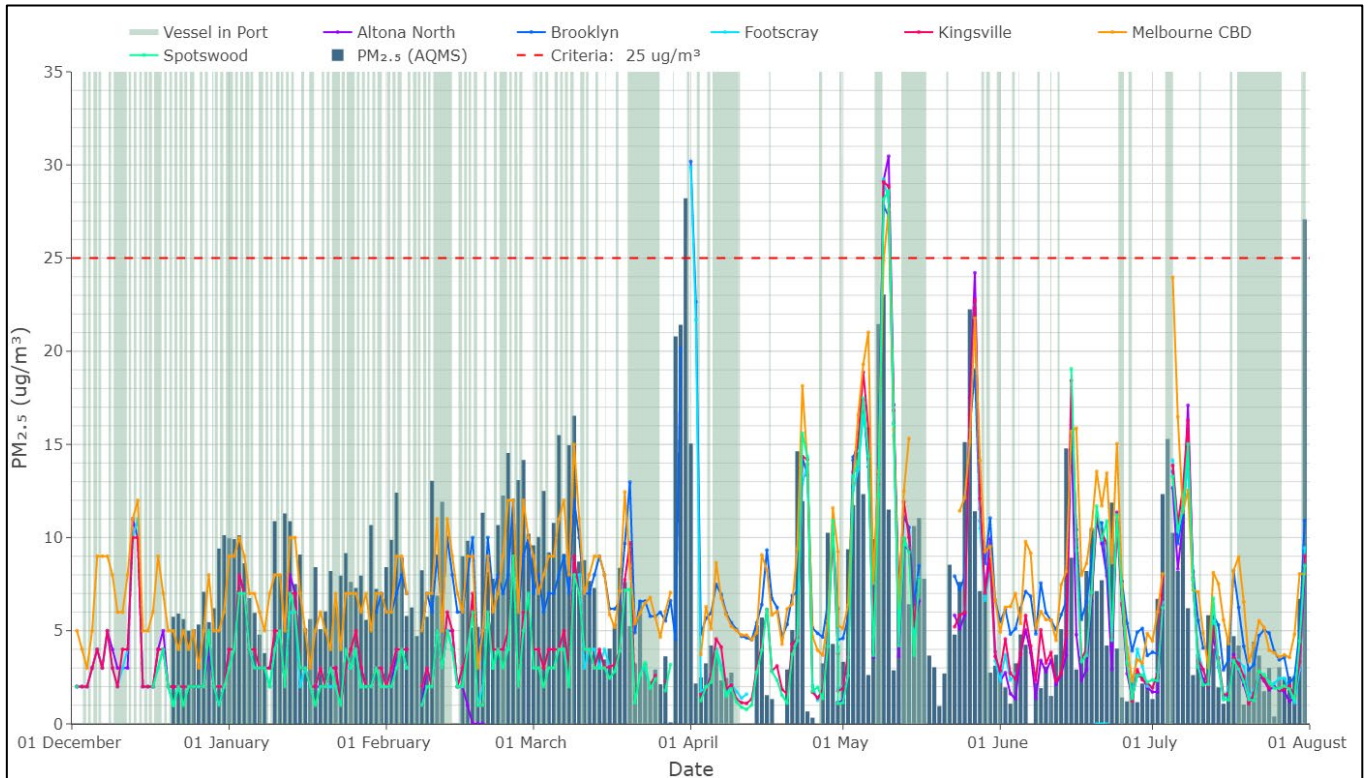


Figure C.3 24-hour average PM_{2.5} concentrations (µg/m³) at Station Pier and local EPA stations (December 2023 - July 2024) (criteria: 25 µg/m³)

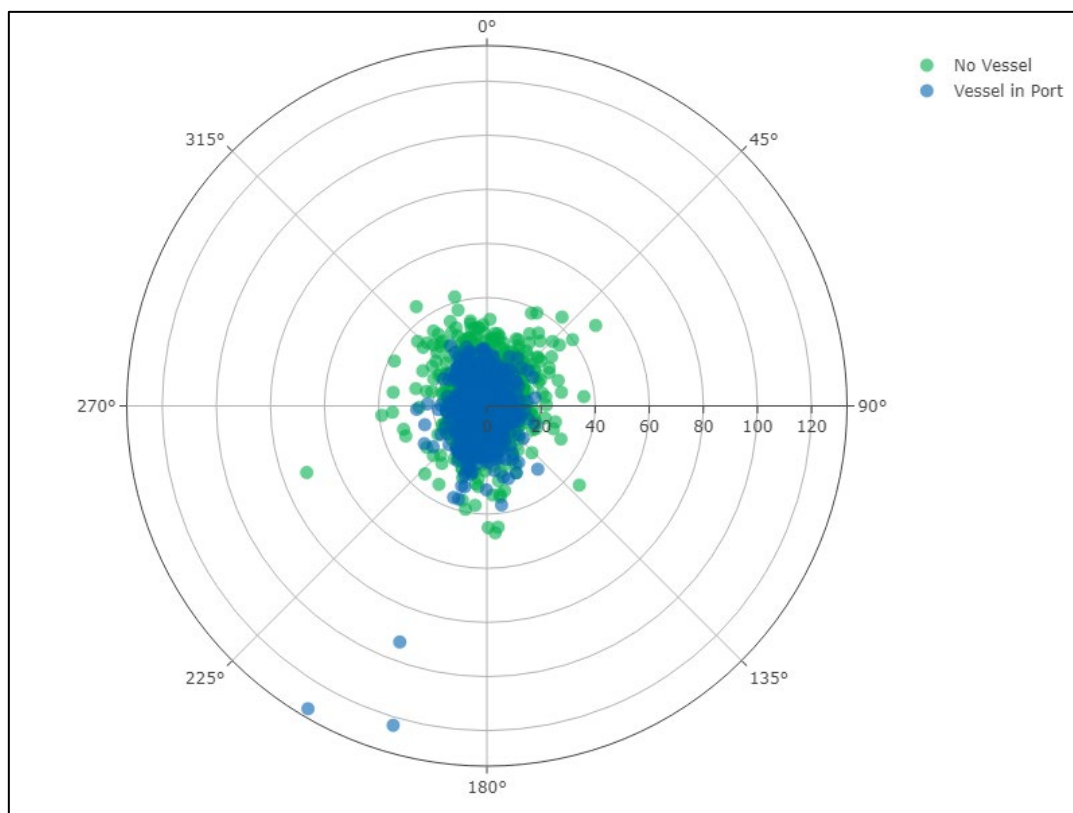


Figure C.4 Hourly average $PM_{2.5}$ concentration ($\mu\text{g}/\text{m}^3$) by wind direction (December 2023 - July 2024)

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
June 2024	5.0	5.2	2.1	6.9	7.9	6.6	4.4
July 2024	6.0	5.9	5.5	6.9	8.3	5.6	5.4
2024 year-to-date	7.5	5.4	5.0	8.0	8.4	5.1	5.4
All available data	7.5	5.1	4.7	8.0	8.2	4.8	5.0

“-” indicates no data available

C-3 NO₂

The NO₂ data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 July 2024) is presented in Figure C.5 and Figure C.6, in which:

Figure C.5: Presents the hourly average NO₂ 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 NO₂ concentrations observed at the average wind direction for that hour. Colouring indicating the presence of a vessel in the port.

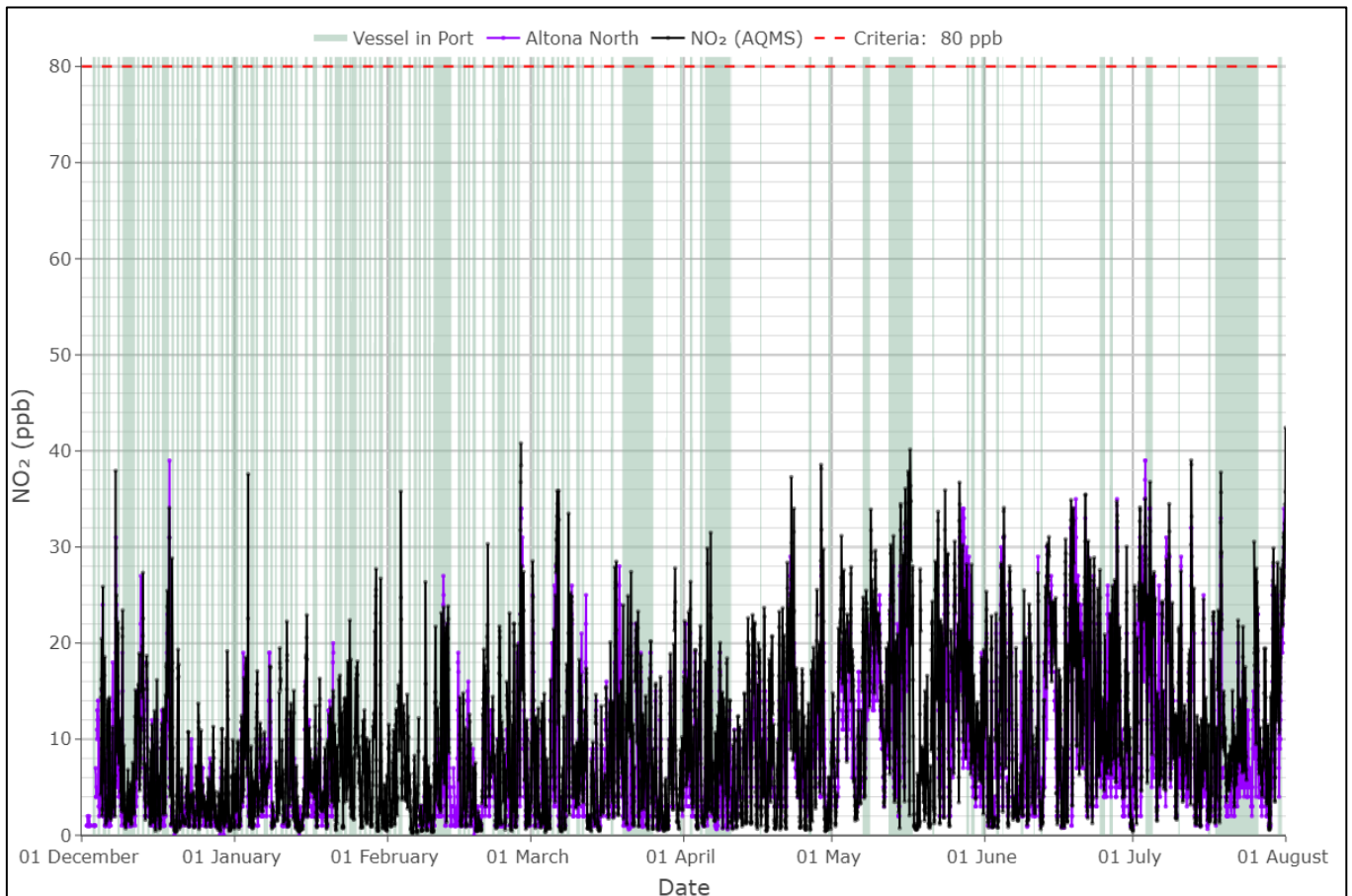


Figure C.5 Hourly average NO₂ concentrations (ppb) at Station Pier and local EPA stations (December 2023 - July 2024) (criteria: 80 ppb)

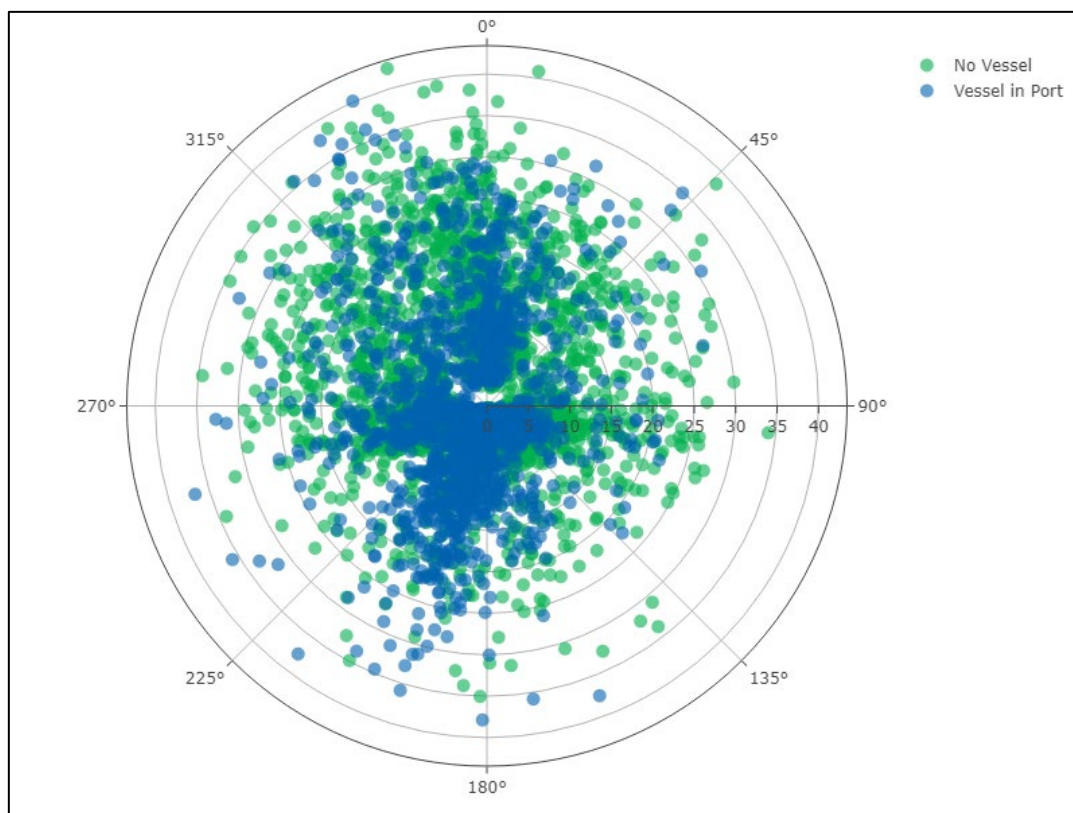


Figure C.6 Hourly average NO_2 concentration ($\mu\text{g}/\text{m}^3$) by wind direction (December 2023 - July 2024)

An annual average criterion of 15 ppb is specified for 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 NO_2 concentrations (ppb)

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
June 2024	12.6	10.9
July 2024	13.2	10.7
2024 year-to-date	10.1	8.4
All available data	9.7	7.8

C-4 SO₂

The SO₂ data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 July 2024) is presented in Figure C.7, Figure C.8 and Figure C.9, in which:

- Figure C.7:** Presents the hourly average SO₂ 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 SO₂ 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 SO₂ 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.

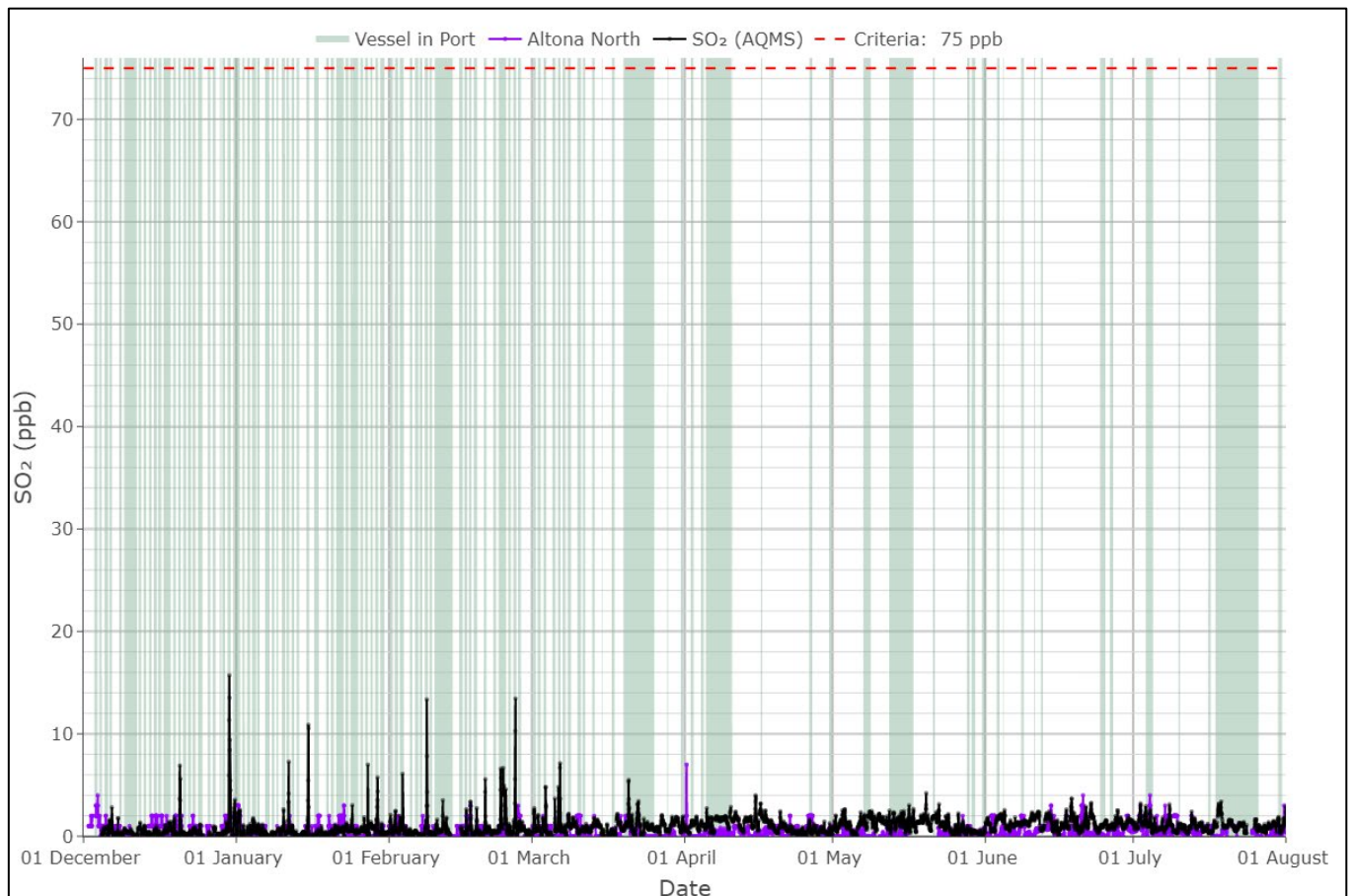


Figure C.7 *Hourly average SO₂ concentrations (ppb) at Station Pier and local EPA Station (December 2023 - July 2024) (criteria: 75 ppb)*

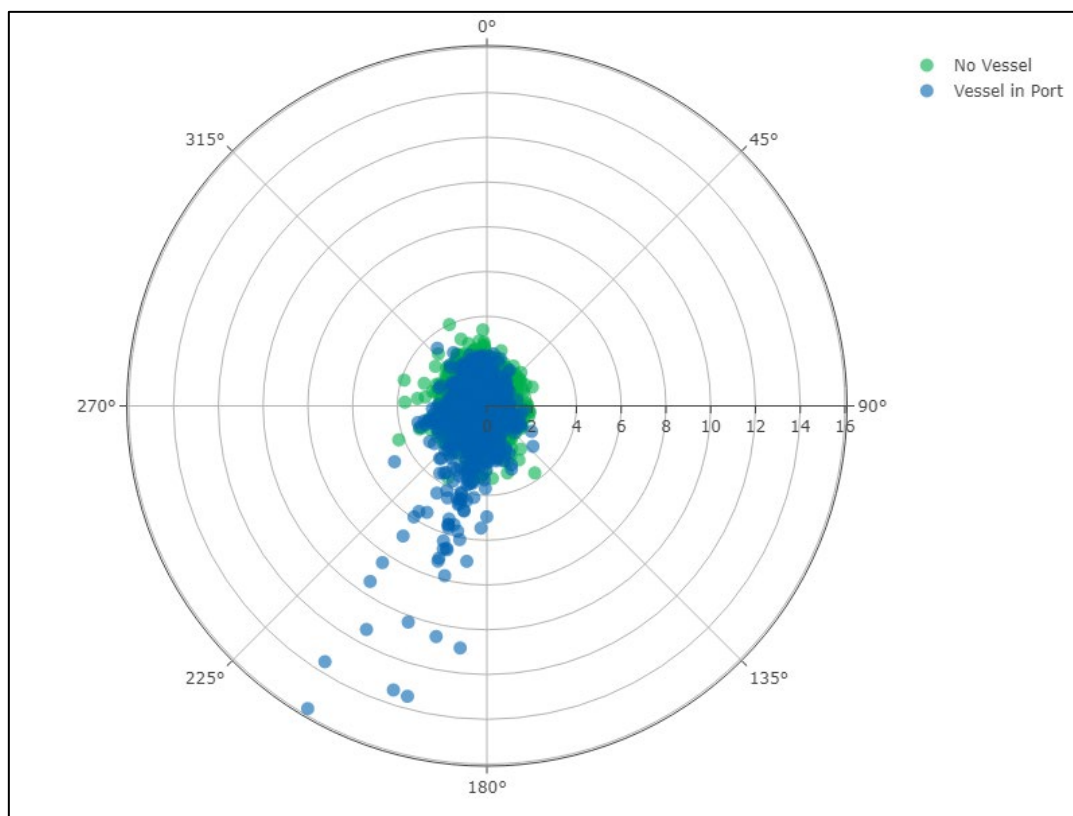


Figure C.8 Hourly average SO_2 concentration ($\mu\text{g}/\text{m}^3$) by wind direction (December 2023 - July 2024)

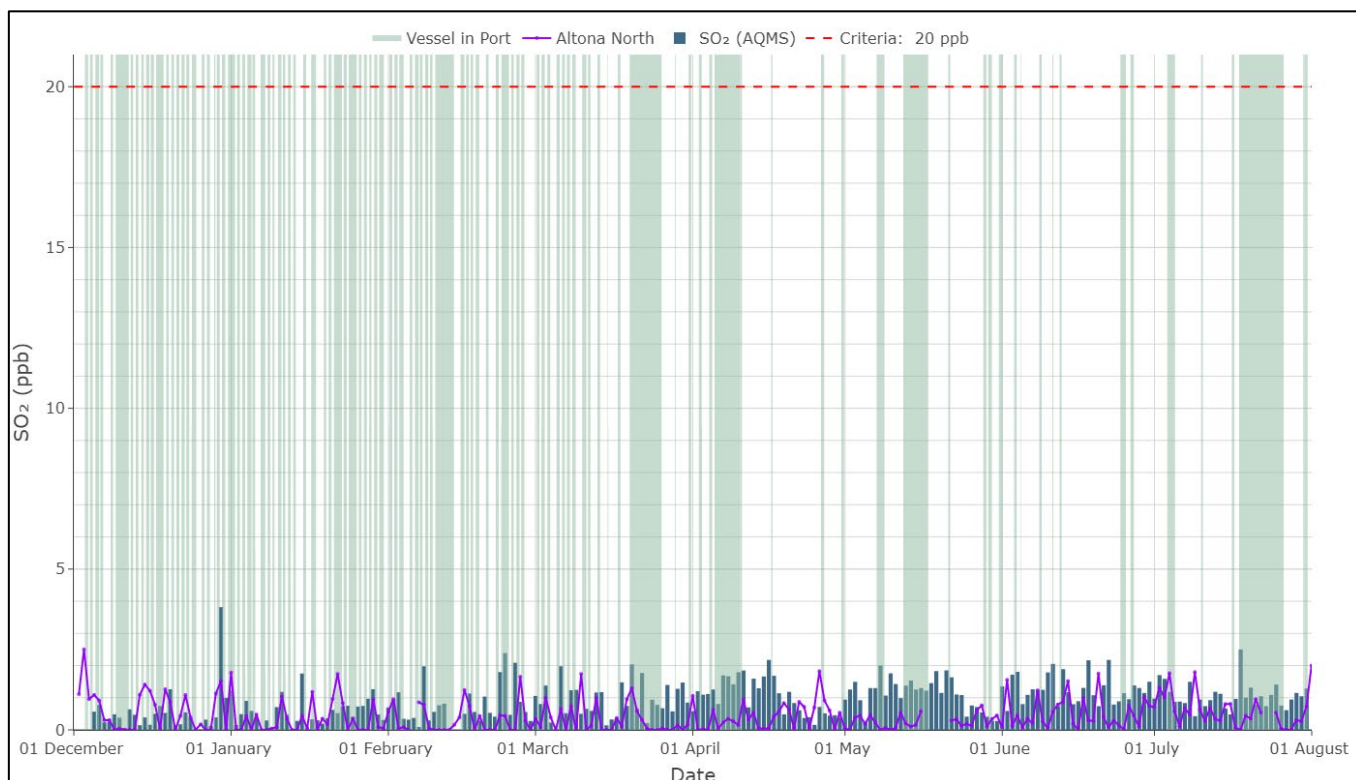


Figure C.9 24-hour average SO_2 concentrations ($\mu\text{g}/\text{m}^3$) at Station Pier and local EPA Station (December 2023 - July 2024) (criteria: $20 \mu\text{g}/\text{m}^3$)

Appendix D

July 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- 40 Beacon Vista, Kunak VIC 8 - Site 2

Ambient Air Quality Monitoring

1st July to 31st July 2024

Report No: DAT21566

Issue Date: 15th August 2024

Maintenance Contract: MC2306

Acoem Australasia (Ecotech Pty Ltd). 1492 Ferntree Gully Rd, Knoxfield, VIC. 3180 Australia.
Ph: 1300 364 946, Fax: 1300 668 763, Email: info.au@acoem.com, Web: www.acoem.com.au

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Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/07/24 00:05	0	0	0	1	10.9	75	3.1	197	7
01/07/24 00:10	0	0	0	1	10.8	74	3.6	195	7
01/07/24 00:15	0	0	1	1	10.8	74	3.6	193	9
01/07/24 00:20	0	0	1	1	10.9	74	2.9	179	20
01/07/24 00:25	0	0	1	1	11.0	74	2.2	178	19
01/07/24 00:30	0	1	1	1	11.0	75	2.7	185	15
01/07/24 00:35	0	1	1	1	11.0	75	2.6	186	14
01/07/24 00:40	0	1	1	1	11.0	75	3.2	187	12
01/07/24 00:45	0	1	1	1	11.0	74	4.5	190	9
01/07/24 00:50	0	1	0	1	11.0	76	5.0	188	10
01/07/24 00:55	0	1	0	1	10.9	76	4.2	188	11
01/07/24 01:00	0	0	0	1	10.9	78	3.6	187	13
01/07/24 01:05					10.8	75	2.5	188	13
01/07/24 01:10					10.7	74	2.4	188	10
01/07/24 01:15					10.8	72	3.7	197	9
01/07/24 01:20					10.8	78	5.3	201	5
01/07/24 01:25					10.9	78	5.3	205	3
01/07/24 01:30					10.8	77	4.7	205	4
01/07/24 01:35					10.8	78	4.4	211	6
01/07/24 01:40					10.8	80	4.6	217	3
01/07/24 01:45					10.8	80	5.0	215	4
01/07/24 01:50					10.7	81	5.4	214	5
01/07/24 01:55					10.6	82	5.5	217	4
01/07/24 02:00					10.5	82	4.9	219	3
01/07/24 02:05	0	1	1	1	10.6	82	4.7	221	4
01/07/24 02:10	0	1	1	1	10.6	82	4.7	229	15
01/07/24 02:15	0	2	2	1	10.1	85	4.5	254	7
01/07/24 02:20	0	8	9	1	9.7	86	5.0	259	6
01/07/24 02:25	0	11	11	1	9.4	88	4.6	252	9
01/07/24 02:30	0	10	10	1	9.4	90	4.2	246	8
01/07/24 02:35	0	10	10	1	9.5	90	4.1	249	8
01/07/24 02:40	0	10	10	1	9.5	91	4.3	257	7
01/07/24 02:45	0	10	10	1	9.3	91	4.1	250	8
01/07/24 02:50	0	9	10	1	9.5	92	5.0	239	7
01/07/24 02:55	0	4	5	1	9.7	92	5.6	232	5
01/07/24 03:00	0	1	1	1	9.8	91	4.4	226	5
01/07/24 03:05	0	1	1	1	9.8	91	3.3	243	11
01/07/24 03:10	0	2	2	1	9.7	92	3.6	251	10
01/07/24 03:15	0	5	6	1	9.6	92	3.0	262	14
01/07/24 03:20	1	6	6	1	9.6	91	3.1	224	23
01/07/24 03:25	0	1	1	1	9.7	86	2.8	193	8
01/07/24 03:30	0	1	1	1	9.8	83	3.2	201	8
01/07/24 03:35	0	1	1	1	10.1	83	2.5	211	8
01/07/24 03:40	0	1	1	1	10.3	82	2.5	212	8
01/07/24 03:45	0	1	1	1	10.4	81	2.7	235	20
01/07/24 03:50	0	7	7	1	9.9	84	3.9	261	6
01/07/24 03:55	0	17	17	1	9.7	88	3.8	262	6
01/07/24 04:00	1	20	21	1	9.3	89	4.5	249	8
01/07/24 04:05	1	15	16	1	9.1	90	4.7	248	8
01/07/24 04:10	1	12	13	1	8.9	91	5.0	247	9
01/07/24 04:15	1	8	9	1	8.8	92	5.2	248	9
01/07/24 04:20	1	9	9	1	8.8	92	4.9	244	6
01/07/24 04:25	1	8	8	1	8.8	92	4.5	244	7
01/07/24 04:30	1	7	7	1	8.8	92	5.1	244	7
01/07/24 04:35	1	21	22	1	8.7	92	4.1	243	7
01/07/24 04:40	2	11	13	1	8.7	93	3.6	251	8
01/07/24 04:45	1	7	9	1	8.7	93	3.5	254	6
01/07/24 04:50	1	7	8	1	8.8	93	3.2	258	9
01/07/24 04:55	1	7	8	1	8.8	93	3.0	259	6
01/07/24 05:00	1	9	10	1	8.8	93	2.6	259	7
01/07/24 05:05	1	14	15	1	8.8	93	2.1	271	11
01/07/24 05:10	2	23	24	1	8.6	92	1.7	300	13
01/07/24 05:15	2	23	25	1	8.5	92	2.1	301	11
01/07/24 05:20	2	22	24	1	8.4	92	1.2	330	28
01/07/24 05:25	2	22	24	1	8.3	92	1.7	344	13
01/07/24 05:30	2	21	23	1	8.1	92	1.8	326	15
01/07/24 05:35	2	21	23	1	8.3	93	2.0	313	9
01/07/24 05:40	2	21	23	1	8.2	92	2.1	303	7
01/07/24 05:45	2	21	23	1	8.2	93	1.8	291	14
01/07/24 05:50	2	21	23	1	8.4	93	1.4	283	14
01/07/24 05:55	2	22	23	1	8.4	93	1.4	286	12
01/07/24 06:00	2	22	24	1	8.3	93	1.7	293	15
01/07/24 06:05	3	22	25	1	8.3	93	1.2	275	20
01/07/24 06:10	3	22	26	1	8.4	93	1.7	274	19
01/07/24 06:15	3	21	23	1	8.4	93	1.7	264	15
01/07/24 06:20	2	12	15	1	8.5	92	1.9	262	15
01/07/24 06:25	2	13	15	1	8.4	92	1.4	274	21
01/07/24 06:30	2	18	20	1	8.3	92	1.3	300	19
01/07/24 06:35	2	20	22	1	8.3	92	1.3	281	20
01/07/24 06:40	2	20	22	1	8.4	92	1.4	282	16
01/07/24 06:45	2	21	23	1	8.3	92	1.5	286	16
01/07/24 06:50	3	26	29	1	8.2	92	1.6	276	24
01/07/24 06:55	4	21	25	1	8.2	93	1.8	268	18
01/07/24 07:00	4	24	29	0	8.2	92	1.8	296	15
01/07/24 07:05	7	28	35	1	8.0	92	1.9	315	8
01/07/24 07:10	9	26	35	1	7.9	92	1.8	313	7

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

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/07/24 07:15	9	26	35	1	7.9	92	1.8	304	13
01/07/24 07:20	8	26	34	1	7.9	92	1.7	297	12
01/07/24 07:25	7	25	33	1	8.1	93	1.7	287	12
01/07/24 07:30	7	25	31	1	8.1	92	1.9	295	12
01/07/24 07:35	6	24	31	1	8.1	91	1.6	307	14
01/07/24 07:40	7	24	31	1	8.0	91	1.6	314	13
01/07/24 07:45	16	22	38	1	8.0	91	1.3	312	12
01/07/24 07:50	28	26	54	1	8.0	92	1.6	299	14
01/07/24 07:55	27	26	53	1	8.1	92	1.6	290	13
01/07/24 08:00	14	27	41	1	8.3	92	1.7	287	12
01/07/24 08:05	10	23	33	1	8.3	92	1.8	290	12
01/07/24 08:10	10	23	32	1	8.2	91	2.0	309	11
01/07/24 08:15	24	26	50	1	8.0	91	1.5	327	10
01/07/24 08:20	47	32	79	1	8.1	91	1.5	316	8
01/07/24 08:25	39	29	68	1	8.2	90	2.2	312	8
01/07/24 08:30	21	27	47	1	8.2	90	1.7	289	13
01/07/24 08:35	20	25	45	1	8.3	90	2.2	273	7
01/07/24 08:40	19	25	45	1	8.5	91	1.7	275	11
01/07/24 08:45	18	25	44	1	8.6	90	1.7	305	12
01/07/24 08:50	18	25	44	1	8.4	90	1.8	306	9
01/07/24 08:55	19	26	45	1	8.5	90	1.5	288	19
01/07/24 09:00	19	25	44	1	8.6	90	2.0	271	15
01/07/24 09:05	19	25	43	1	8.7	89	2.1	298	10
01/07/24 09:10	18	24	42	1	8.7	89	1.9	289	12
01/07/24 09:15	17	24	41	1	8.7	89	1.8	294	14
01/07/24 09:20	18	24	42	1	8.9	87	1.7	301	10
01/07/24 09:25	19	23	42	1	9.1	86	1.4	291	14
01/07/24 09:30	19	21	40	1	9.3	85	1.6	271	9
01/07/24 09:35	18	19	37	1	9.4	85	1.3	279	18
01/07/24 09:40	18	20	38	1	9.5	84	1.2	277	18
01/07/24 09:45	18	21	39	1	9.6	85	1.5	272	12
01/07/24 09:50	18	21	38	1	9.5	84	1.2	271	8
01/07/24 09:55	17	21	37	1	9.5	85	1.3	265	10
01/07/24 10:00	16	21	36	1	9.4	85	1.4	257	8
01/07/24 10:05	13	11	24	1	9.8	85	3.1	243	9
01/07/24 10:10	4	5	10	1	9.8	84	2.7	245	9
01/07/24 10:15	3	8	11	1	9.8	83	2.2	255	10
01/07/24 10:20	4	10	14	1	9.9	84	1.8	266	9
01/07/24 10:25	6	21	28	1	10.0	82	1.5	242	11
01/07/24 10:30	9	18	28	1	10.1	82	1.7	267	6
01/07/24 10:35	7	10	17	1	10.3	81	1.4	248	8
01/07/24 10:40	8	14	21	1	10.6	79	0.6	244	18
01/07/24 10:45	8	15	23	2	11.0	78	1.7	222	15
01/07/24 10:50	6	3	8	1	10.9	76	1.7	216	11
01/07/24 10:55	2	4	6	1	11.1	75	1.3	210	11
01/07/24 11:00	2	5	7	1	11.3	74	1.5	233	15
01/07/24 11:05	2	5	8	2	11.1	74	1.8	233	9
01/07/24 11:10	2	5	7	2	11.0	75	1.6	230	4
01/07/24 11:15	2	5	7	1	11.0	75	1.6	229	4
01/07/24 11:20	2	4	6	1	11.0	76	1.8	231	7
01/07/24 11:25	2	4	6	1	11.0	77	2.3	230	7
01/07/24 11:30	2	4	6	1	10.8	79	1.9	241	8
01/07/24 11:35	2	4	5	1	10.8	79	1.9	231	5
01/07/24 11:40	2	4	5	1	10.8	79	2.2	221	4
01/07/24 11:45	1	3	5	1	10.9	78	3.2	220	5
01/07/24 11:50	1	4	5	1	10.8	79	2.9	221	4
01/07/24 11:55	1	4	5	1	10.7	78	2.9	219	4
01/07/24 12:00	1	4	5	1	10.9	77	3.0	220	5
01/07/24 12:05	1	4	5	1	11.0	79	3.1	230	5
01/07/24 12:10	1	3	5	1	11.1	79	3.3	219	10
01/07/24 12:15	1	3	4	1	11.1	76	3.6	218	4
01/07/24 12:20	1	3	4	1	11.2	75	3.5	217	6
01/07/24 12:25	1	3	4	1	11.4	75	3.4	216	5
01/07/24 12:30	1	3	4	1	11.4	74	3.4	216	4
01/07/24 12:35	1	3	4	1	11.4	74	3.5	223	5
01/07/24 12:40	1	3	4	1	11.4	74	3.3	227	6
01/07/24 12:45	1	3	4	1	11.4	74	3.1	226	6
01/07/24 12:50	1	4	5	1	11.5	72	2.8	212	8
01/07/24 12:55	1	4	5	1	11.6	70	3.0	212	4
01/07/24 13:00	1	3	5	1	11.8	70	3.5	210	4
01/07/24 13:05	2	4	6	1	11.7	71	3.2	209	4
01/07/24 13:10	2	2	4	1	11.8	70	3.2	214	4
01/07/24 13:15	1	2	4	1	11.8	70	3.2	209	3
01/07/24 13:20	1	2	3	1	11.9	69	3.6	204	4
01/07/24 13:25	1	3	4	1	11.8	72	3.9	210	6
01/07/24 13:30	1	3	4	1	11.6	74	4.5	213	3
01/07/24 13:35	1	3	4	1	11.5	75	4.5	210	3
01/07/24 13:40	1	3	4	1	11.4	74	4.0	209	5
01/07/24 13:45	1	3	3	1	11.4	74	4.1	214	5
01/07/24 13:50	1	3	3	1	11.3	74	3.6	213	6
01/07/24 13:55	1	3	3	1	11.5	71	3.8	211	5
01/07/24 14:00	1	3	3	1	11.7	71	3.9	212	4
01/07/24 14:05	0	3	3	1	11.8	70	3.5	204	5
01/07/24 14:10	0	3	3	1	11.8	71	3.5	213	6
01/07/24 14:15	0	3	3	1	11.7	70	2.9	204	6
01/07/24 14:20	1	3	3	1	11.9	70	3.1	207	5

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/07/24 14:25	1	3	3	1	11.9	69	2.3	204	6
01/07/24 14:30	1	3	4	1	11.8	70	2.6	204	5
01/07/24 14:35	1	3	4	1	11.9	68	3.0	209	4
01/07/24 14:40	1	3	3	1	12.0	66	2.6	208	6
01/07/24 14:45	1	3	3	1	12.2	66	2.7	203	4
01/07/24 14:50	1	3	3	1	12.2	66	2.4	204	6
01/07/24 14:55	1	3	3	1	12.1	66	2.3	200	5
01/07/24 15:00	1	3	3	1	12.4	65	2.3	202	4
01/07/24 15:05	1	3	3	1	12.5	63	2.1	207	6
01/07/24 15:10	1	3	3	1	12.5	63	2.1	209	5
01/07/24 15:15	1	3	3	1	12.5	62	1.8	200	4
01/07/24 15:20	1	3	3	1	12.6	65	1.8	202	4
01/07/24 15:25	1	3	3	1	12.8	64	1.7	200	6
01/07/24 15:30	1	3	3	1	13.0	64	1.9	205	8
01/07/24 15:35	2	9	10	1	12.8	62	2.1	208	4
01/07/24 15:40	2	8	10	1	12.8	64	2.1	203	5
01/07/24 15:45	1	3	4	1	12.7	64	2.4	209	6
01/07/24 15:50	1	3	4	1	12.5	63	2.9	203	7
01/07/24 15:55	0	3	4	1	12.6	62	3.1	201	6
01/07/24 16:00	0	3	3	1	12.6	60	3.5	199	8
01/07/24 16:05	0	3	3	1	12.7	61	3.3	198	8
01/07/24 16:10	0	3	3	1	13.0	60	2.2	192	15
01/07/24 16:15	0	3	4	1	13.4	60	2.4	192	12
01/07/24 16:20	1	4	4	1	13.3	58	2.5	195	12
01/07/24 16:25	1	4	4	1	13.2	59	3.1	200	7
01/07/24 16:30	1	4	5	1	12.9	59	3.1	199	8
01/07/24 16:35	1	5	5	1	12.7	61	2.9	196	9
01/07/24 16:40	1	5	6	1	12.9	58	3.4	191	11
01/07/24 16:45	1	5	6	1	12.9	57	3.5	194	10
01/07/24 16:50	1	4	5	1	12.6	60	3.2	192	10
01/07/24 16:55	1	3	4	1	12.5	59	3.2	196	10
01/07/24 17:00	1	2	3	1	12.3	60	3.3	193	10
01/07/24 17:05	1	2	2	1	12.3	60	3.5	194	10
01/07/24 17:10	0	1	2	1	12.2	60	3.8	194	9
01/07/24 17:15	0	1	2	1	12.1	60	3.4	192	9
01/07/24 17:20	0	1	2	1	12.0	60	3.3	193	9
01/07/24 17:25	0	1	1	1	12.0	61	3.5	194	8
01/07/24 17:30	0	1	1	1	12.0	61	3.2	192	8
01/07/24 17:35	0	1	1	1	12.1	61	3.3	187	13
01/07/24 17:40	0	1	1	1	12.0	64	3.9	192	10
01/07/24 17:45	0	1	1	1	12.1	65	2.8	183	16
01/07/24 17:50	0	1	1	1	12.1	63	2.3	143	32
01/07/24 17:55	0	1	1	1	12.1	62	2.3	120	15
01/07/24 18:00	0	2	2	1	12.0	63	3.1	115	7
01/07/24 18:05	0	3	3	1	12.0	64	2.4	118	10
01/07/24 18:10	0	4	4	1	12.0	64	2.2	116	12
01/07/24 18:15	0	5	5	1	11.9	65	1.9	122	15
01/07/24 18:20	0	8	8	1	11.8	66	1.5	119	20
01/07/24 18:25	0	12	12	1	11.8	65	2.0	127	17
01/07/24 18:30	0	14	14	1	11.8	66	1.8	120	18
01/07/24 18:35	0	14	14	1	11.8	67	2.7	117	10
01/07/24 18:40	0	15	15	1	11.8	67	2.7	117	12
01/07/24 18:45	0	15	15	1	11.8	67	2.3	119	18
01/07/24 18:50	0	14	14	1	11.7	67	1.8	120	16
01/07/24 18:55	0	14	14	1	11.6	68	2.3	118	10
01/07/24 19:00	0	14	14	1	11.7	68	1.8	121	17
01/07/24 19:05	0	13	13	1	11.6	67	1.7	125	18
01/07/24 19:10	0	12	13	1	11.6	67	1.9	127	18
01/07/24 19:15	0	12	12	1	11.6	68	1.7	121	21
01/07/24 19:20	0	12	12	1	11.5	69	1.9	122	16
01/07/24 19:25	0	12	12	1	11.5	67	2.1	125	17
01/07/24 19:30	0	12	12	1	11.5	67	2.0	129	19
01/07/24 19:35	0	12	12	1	11.5	68	1.9	132	16
01/07/24 19:40	0	11	11	1	11.5	71	2.5	150	23
01/07/24 19:45	0	8	8	1	11.6	70	3.8	144	15
01/07/24 19:50	0	3	3	1	11.6	71	2.0	156	28
01/07/24 19:55	0	2	2	1	11.6	70	2.1	163	32
01/07/24 20:00	0	2	2	1	11.7	71	3.0	142	24
01/07/24 20:05	0	2	2	1	11.6	70	2.2	143	32
01/07/24 20:10	0	3	3	1	11.5	72	2.4	113	11
01/07/24 20:15	0	8	8	1	11.4	72	2.2	119	19
01/07/24 20:20	0	7	7	1	11.4	70	3.7	131	9
01/07/24 20:25	0	3	4	1	11.4	70	2.8	125	17
01/07/24 20:30	0	3	3	1	11.5	71	2.4	126	21
01/07/24 20:35	0	4	4	1	11.4	71	3.7	114	11
01/07/24 20:40	0	9	10	1	11.2	72	4.5	110	4
01/07/24 20:45	0	14	14	1	11.2	73	4.0	106	4
01/07/24 20:50	0	15	15	1	11.0	73	3.2	103	6
01/07/24 20:55	0	16	17	1	10.8	72	2.9	101	7
01/07/24 21:00	0	17	18	1	10.7	72	2.8	99	6
01/07/24 21:05	0	19	19	1	10.6	73	2.1	98	7
01/07/24 21:10	0	20	20	1	10.5	73	2.4	101	6
01/07/24 21:15	0	20	20	1	10.5	73	2.5	100	5
01/07/24 21:20	0	20	20	1	10.5	73	2.2	100	6
01/07/24 21:25	0	20	20	1	10.5	74	1.7	106	7
01/07/24 21:30	0	19	20	1	10.5	74	1.8	109	7

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/07/24 21:35	0	20	20	1	10.6	74	1.8	104	4
01/07/24 21:40	0	20	20	1	10.6	74	1.8	108	6
01/07/24 21:45	0	21	22	1	10.5	74	1.7	101	6
01/07/24 21:50	1	22	23	1	10.6	74	1.7	100	8
01/07/24 21:55	1	23	24	1	10.5	75	1.9	101	6
01/07/24 22:00	1	24	25	1	10.4	75	2.1	99	7
01/07/24 22:05	1	24	25	1	10.4	74	2.2	100	7
01/07/24 22:10	1	23	24	1	10.4	74	1.3	92	11
01/07/24 22:15	1	23	24	1	10.3	73	1.3	91	8
01/07/24 22:20	1	22	23	1	10.3	74	1.1	98	10
01/07/24 22:25	0	21	22	1	10.3	75	2.1	103	5
01/07/24 22:30	0	20	20	1	10.3	76	2.2	104	6
01/07/24 22:35	0	19	19	1	10.4	76	2.1	105	6
01/07/24 22:40	0	18	18	1	10.3	75	2.9	102	7
01/07/24 22:45	0	16	16	1	10.4	75	2.5	101	6
01/07/24 22:50	0	15	15	1	10.3	75	2.4	104	7
01/07/24 22:55	0	14	14	1	10.4	77	1.8	111	12
01/07/24 23:00	0	14	14	1	10.4	77	1.9	113	12
01/07/24 23:05	0	13	13	1	10.5	76	1.7	118	18
01/07/24 23:10	0	12	12	1	10.4	76	1.8	117	17
01/07/24 23:15	0	11	11	1	10.4	77	2.2	111	10
01/07/24 23:20	0	10	10	1	10.4	78	2.9	106	6
01/07/24 23:25	0	11	11	1	10.4	78	3.4	110	6
01/07/24 23:30	0	11	11	1	10.3	78	2.6	107	10
01/07/24 23:35	0	12	12	1	10.2	78	2.8	106	8
01/07/24 23:40	0	12	12	1	10.1	78	3.1	102	7
01/07/24 23:45	0	12	12	1	9.9	78	3.0	102	7
01/07/24 23:50	0	12	12		9.9	79	3.0	104	5
01/07/24 23:55	0	12	12		9.9	80	2.8	107	7
02/07/24 00:00	0	12	12	1	9.9	80	2.6	113	10
02/07/24 00:05	0	12	12	1	10.0	80	2.7	112	11
02/07/24 00:10	0	11	12	1	10.0	80	2.5	114	13
02/07/24 00:15	0	12	12	1	10.0	80	2.0	116	14
02/07/24 00:20	0	12	12	1	9.9	80	1.8	115	17
02/07/24 00:25	0	12	12	1	9.9	80	1.7	119	18
02/07/24 00:30	0	12	12	1	9.9	80	2.0	117	18
02/07/24 00:35	0	12	12	1	9.8	81	1.6	119	22
02/07/24 00:40	0	12	12	1	9.8	81	1.9	108	14
02/07/24 00:45	0	12	12	1	9.6	81	2.5	102	6
02/07/24 00:50	0	12	12	1	9.4	80	2.6	103	4
02/07/24 00:55	0	11	12	1	9.4	80	2.0	106	6
02/07/24 01:00	0	11	11	1	9.4	80	1.6	104	6
02/07/24 01:05					9.2	81	1.5	108	7
02/07/24 01:10					9.2	81	1.4	102	7
02/07/24 01:15					9.0	80	1.3	94	5
02/07/24 01:20					8.8	81	1.3	99	5
02/07/24 01:25					8.7	81	1.2	97	8
02/07/24 01:30					8.7	81	1.3	103	5
02/07/24 01:35					8.6	81	1.2	91	7
02/07/24 01:40					8.6	81	1.0	83	11
02/07/24 01:45					8.5	82	0.7	83	12
02/07/24 01:50					8.4	83	0.7	86	9
02/07/24 01:55					8.4	83	0.8	80	12
02/07/24 02:00					8.4	83	0.4	46	21
02/07/24 02:05	0	9	9	1	8.4	84	0.5	279	22
02/07/24 02:10	26	25	51	1	8.3	86	1.4	285	16
02/07/24 02:15	60	25	86	1	7.9	88	1.7	282	16
02/07/24 02:20	82	28	110	1	7.5	88	2.2	280	10
02/07/24 02:25	82	27	109	1	7.3	89	1.3	284	17
02/07/24 02:30	76	26	102	1	7.3	90	0.8	278	22
02/07/24 02:35	68	25	93	1	7.2	90	1.0	284	17
02/07/24 02:40	67	26	92	1	7.0	89	1.2	290	13
02/07/24 02:45	64	25	89	1	7.0	89	1.0	301	20
02/07/24 02:50	59	27	87	1	6.8	88	1.4	317	9
02/07/24 02:55	53	28	81	2	6.6	88	1.3	328	14
02/07/24 03:00	54	26	80	2	6.5	88	0.8	340	19
02/07/24 03:05	60	26	87	2	6.2	89	0.9	346	12
02/07/24 03:10	59	27	87	2	6.1	90	1.4	340	10
02/07/24 03:15	56	27	83	2	6.1	90	1.0	337	18
02/07/24 03:20	54	27	80	2	6.1	90	1.4	340	15
02/07/24 03:25	52	25	78	2	6.1	89	1.3	354	16
02/07/24 03:30	53	25	78	2	6.0	90	1.7	341	13
02/07/24 03:35	54	25	79	2	6.1	90	1.3	337	15
02/07/24 03:40	58	25	83	1	6.2	90	1.5	352	13
02/07/24 03:45	64	26	90	2	6.1	90	1.5	347	15
02/07/24 03:50	71	24	95	2	6.1	89	1.4	352	14
02/07/24 03:55	76	23	99	1	6.0	89	1.6	351	11
02/07/24 04:00	74	24	98	2	6.0	89	1.7	353	16
02/07/24 04:05	65	29	94	2	5.9	90	1.5	356	9
02/07/24 04:10	57	31	88	2	5.9	90	2.1	357	13
02/07/24 04:15	55	27	82	2	5.9	90	2.2	355	9
02/07/24 04:20	43	26	69	2	5.8	90	2.7	357	5
02/07/24 04:25	41	24	65	2	5.8	90	2.7	356	6
02/07/24 04:30	41	23	64	2	5.8	90	3.0	357	8
02/07/24 04:35	39	23	62	2	5.8	89	2.6	358	7
02/07/24 04:40	39	23	61	2	5.9	90	2.3	358	9

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/07/24 04:45	38	22	60	2	5.9	90	2.4	354	9
02/07/24 04:50	36	22	59	2	5.9	90	2.4	355	12
02/07/24 04:55	34	22	56	2	6.1	90	1.6	313	21
02/07/24 05:00	30	22	52	2	6.1	90	1.3	326	15
02/07/24 05:05	30	22	52	2	6.1	89	2.0	358	13
02/07/24 05:10	30	22	52	2	6.0	90	1.4	308	25
02/07/24 05:15	30	22	51	2	6.2	90	1.2	348	21
02/07/24 05:20	30	22	52	2	6.0	90	1.1	334	22
02/07/24 05:25	30	22	52	2	5.9	90	1.5	4	12
02/07/24 05:30	31	22	53	2	5.9	91	1.0	334	21
02/07/24 05:35	32	23	55	2	5.8	91	1.1	4	23
02/07/24 05:40	33	22	55	2	5.9	91	0.5	324	43
02/07/24 05:45	32	22	55	2	5.9	91	1.5	7	14
02/07/24 05:50	33	23	55	2	5.9	91	1.2	338	20
02/07/24 05:55	33	23	56	2	5.9	91	1.0	343	25
02/07/24 06:00	36	24	60	2	5.9	91	1.2	349	17
02/07/24 06:05	43	26	69	1	5.9	91	1.2	354	19
02/07/24 06:10	43	25	68	2	5.9	91	1.6	345	21
02/07/24 06:15	38	25	63	2	6.0	91	1.4	338	13
02/07/24 06:20	47	24	71	2	6.1	91	2.0	343	16
02/07/24 06:25	56	23	80	2	6.1	90	1.7	342	15
02/07/24 06:30	64	23	87	2	6.1	90	2.2	356	15
02/07/24 06:35	77	25	102	2	6.0	90	2.3	355	16
02/07/24 06:40	77	26	103	2	6.0	90	2.6	357	10
02/07/24 06:45	82	28	110	2	6.1	90	1.6	14	26
02/07/24 06:50	98	26	124	2	6.0	90	1.0	15	27
02/07/24 06:55	79	29	108	2	6.1	90	0.7	43	23
02/07/24 07:00	51	29	80	2	6.1	90	0.8	8	22
02/07/24 07:05	43	26	69	2	6.2	90	1.0	25	23
02/07/24 07:10	44	28	72	2	6.3	90	1.2	16	17
02/07/24 07:15	51	28	79	2	6.3	90	1.6	11	17
02/07/24 07:20	52	27	79	2	6.5	90	0.3	1	70
02/07/24 07:25	53	26	78	2	6.5	90	1.1	306	25
02/07/24 07:30	53	26	79	2	6.6	89	1.1	333	21
02/07/24 07:35	53	26	79	2	6.6	89	1.0	319	30
02/07/24 07:40	54	26	80	2	6.6	89	1.6	331	21
02/07/24 07:45	56	26	83	2	6.6	89	1.9	345	24
02/07/24 07:50	60	25	85	2	6.6	89	1.8	10	17
02/07/24 07:55	57	25	82	2	6.6	89	1.2	360	23
02/07/24 08:00	51	26	77	2	6.7	89	0.9	341	36
02/07/24 08:05	51	26	78	2	6.8	88	0.9	329	26
02/07/24 08:10	57	28	85	2	6.8	88	0.9	341	31
02/07/24 08:15	71	26	97	2	7.1	86	1.0	329	34
02/07/24 08:20	85	25	110	2	7.2	86	1.1	342	25
02/07/24 08:25	86	27	113	2	7.3	85	0.8	348	36
02/07/24 08:30	85	28	113	2	7.3	85	1.1	350	23
02/07/24 08:35	84	29	112	2	7.2	85	0.9	328	43
02/07/24 08:40	82	29	111	2	7.3	87	1.7	267	15
02/07/24 08:45	81	30	111	2	7.1	86	1.9	308	11
02/07/24 08:50	98	33	131	2	7.0	87	1.5	306	14
02/07/24 08:55	111	33	144	2	7.1	87	0.7	325	30
02/07/24 09:00	115	32	147	2	7.2	86	1.1	328	23
02/07/24 09:05	121	33	154	2	7.2	86	1.4	22	15
02/07/24 09:10	125	32	157	2	7.2	85	1.5	12	12
02/07/24 09:15	123	34	156	2	7.4	85	1.8	20	10
02/07/24 09:20	121	35	156	2	7.6	84	1.3	30	18
02/07/24 09:25	117	37	154	2	7.8	83	1.2	13	14
02/07/24 09:30	98	39	138	2	8.0	82	1.4	24	9
02/07/24 09:35	84	31	115	2	8.2	82	1.0	4	25
02/07/24 09:40	89	29	118	2	8.5	81	1.3	352	22
02/07/24 09:45	91	31	122	2	8.7	80	1.0	308	37
02/07/24 09:50	92	33	125	2	8.8	80	1.4	301	19
02/07/24 09:55	106	26	132	2	8.9	80	1.3	305	16
02/07/24 10:00	119	32	151	2	8.9	79	1.4	298	12
02/07/24 10:05	106	36	142	2	8.9	79	1.0	293	26
02/07/24 10:10	104	33	137	2	9.2	78	1.0	295	23
02/07/24 10:15	102	33	136	2	9.3	78	1.3	291	14
02/07/24 10:20	104	36	140	3	9.4	78	0.7	276	27
02/07/24 10:25	105	35	140	3	9.7	75	0.4	308	32
02/07/24 10:30	105	34	139	3	10.0	74	0.7	249	32
02/07/24 10:35	104	34	138	3	10.0	74	1.3	224	8
02/07/24 10:40	104	34	137	3	10.0	74	0.9	228	8
02/07/24 10:45	103	33	136	3	9.9	74	1.1	235	8
02/07/24 10:50	103	33	136	3	10.1	74	0.5	204	43
02/07/24 10:55	103	34	136	3	10.8	73	0.7	193	30
02/07/24 11:00	102	34	135	3	10.7	73	1.9	209	5
02/07/24 11:05	101	34	135	3	10.5	74	1.4	202	8
02/07/24 11:10	104	34	137	3	10.8	74	0.7	187	35
02/07/24 11:15	106	34	139	3	11.2	71	0.7	186	30
02/07/24 11:20	106	34	140	3	11.4	70	0.7	167	34
02/07/24 11:25	104	34	138	3	11.7	68	0.6	163	31
02/07/24 11:30	102	35	136	3	11.6	67	0.7	214	22
02/07/24 11:35	99	35	135	3	11.6	69	0.4	186	33
02/07/24 11:40	92	39	132	3	12.0	66	0.4	211	28
02/07/24 11:45	71	39	110	3	12.4	63	0.4	189	39
02/07/24 11:50	76	34	109	4	12.6	64	0.4	161	45

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

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/07/24 11:55	38	27	65	4	12.2	60	0.5	168	42
02/07/24 12:00	46	28	74	3	12.3	61	0.5	152	47
02/07/24 12:05	41	26	67	3	11.8	62	0.4	182	34
02/07/24 12:10	34	28	62	3	11.7	62	0.4	151	41
02/07/24 12:15	28	24	53	3	11.5	61	0.6	239	11
02/07/24 12:20	23	24	47	3	11.6	61	0.5	170	35
02/07/24 12:25	30	25	55	3	12.4	61	0.8	159	31
02/07/24 12:30	43	26	70	3	12.7	62	0.9	167	26
02/07/24 12:35	56	31	87	3	13.0	63	0.6	159	37
02/07/24 12:40	55	30	85	3	13.2	61	0.8	160	28
02/07/24 12:45	54	30	84	3	12.9	64	1.2	207	17
02/07/24 12:50	40	24	64	3	12.1	66	1.3	206	5
02/07/24 12:55	34	23	57	3	11.8	67	1.2	210	5
02/07/24 13:00	29	21	51	3	11.8	66	1.2	215	4
02/07/24 13:05	21	18	40	3	11.9	65	1.2	214	6
02/07/24 13:10	10	14	24	3	12.0	63	1.2	209	5
02/07/24 13:15	10	15	25	3	12.4	63	0.7	183	29
02/07/24 13:20	8	10	18	3	13.0	59	1.0	196	22
02/07/24 13:25	6	8	14	3	12.7	59	1.6	214	5
02/07/24 13:30	4	8	12	2	12.3	58	1.5	223	6
02/07/24 13:35	3	7	10	2	12.0	58	1.4	222	6
02/07/24 13:40	2	6	8	2	11.8	57	1.5	220	7
02/07/24 13:45	2	4	6	2	12.1	55	1.2	209	18
02/07/24 13:50	2	4	5	2	12.7	52	1.6	205	15
02/07/24 13:55	2	4	5	2	13.1	51	1.5	183	22
02/07/24 14:00	1	4	6	2	13.4	49	1.3	172	21
02/07/24 14:05	1	4	6	2	13.8	50	1.3	182	25
02/07/24 14:10	1	4	6	2	13.6	50	1.5	179	19
02/07/24 14:15	1	4	6	2	13.9	47	2.0	196	21
02/07/24 14:20	2	6	8	2	12.8	54	3.2	206	6
02/07/24 14:25	3	9	11	2	12.5	56	2.7	200	6
02/07/24 14:30	3	9	12	2	12.3	56	2.9	201	8
02/07/24 14:35	2	8	11	2	12.0	58	3.3	203	5
02/07/24 14:40	2	6	8	2	11.9	57	2.9	203	3
02/07/24 14:45	2	5	7	2	12.0	60	3.3	211	4
02/07/24 14:50	2	5	7	2	12.0	56	2.9	206	4
02/07/24 14:55	2	5	6	2	12.1	59	3.2	213	5
02/07/24 15:00	2	4	6	2	12.1	57	2.8	210	8
02/07/24 15:05	1	4	6	2	12.2	57	3.0	203	6
02/07/24 15:10	1	4	5	2	12.3	57	3.3	204	5
02/07/24 15:15	1	4	5	1	12.2	58	3.7	204	6
02/07/24 15:20	1	4	5	1	12.2	58	3.5	204	4
02/07/24 15:25	1	5	6	1	12.3	59	3.1	201	7
02/07/24 15:30	1	5	6	2	12.4	57	3.5	202	5
02/07/24 15:35	1	5	6	1	12.5	55	2.7	194	9
02/07/24 15:40	1	5	6	1	12.6	56	3.5	202	11
02/07/24 15:45	1	5	6	1	12.1	62	4.2	209	6
02/07/24 15:50	1	5	6	1	12.0	61	3.3	201	5
02/07/24 15:55	1	5	6	1	11.9	59	3.9	199	5
02/07/24 16:00	1	5	6	1	11.7	64	4.4	208	5
02/07/24 16:05	1	6	7	1	11.5	67	3.9	212	4
02/07/24 16:10	1	6	7	1	11.5	63	3.3	202	5
02/07/24 16:15	1	6	6	1	11.6	62	3.6	206	6
02/07/24 16:20	1	5	6	1	11.7	61	3.8	205	6
02/07/24 16:25	1	6	6	1	11.9	64	3.7	210	4
02/07/24 16:30	1	6	6	1	12.0	62	4.1	202	5
02/07/24 16:35	1	6	7	1	12.2	59	3.4	197	10
02/07/24 16:40	1	6	8	1	12.2	57	3.7	198	7
02/07/24 16:45	1	7	8	1	12.2	58	2.9	192	10
02/07/24 16:50	2	7	8	1	12.1	59	2.7	192	9
02/07/24 16:55	1	7	8	1	11.9	61	3.0	190	11
02/07/24 17:00	1	6	8	1	11.8	62	3.0	184	16
02/07/24 17:05	1	6	7	1	11.7	60	2.4	172	19
02/07/24 17:10	1	5	6	1	11.6	60	2.3	183	15
02/07/24 17:15	1	4	5	1	11.6	63	2.1	181	17
02/07/24 17:20	1	4	4	1	11.4	64	2.1	183	14
02/07/24 17:25	1	4	5	1	11.3	62	1.9	184	18
02/07/24 17:30	0	4	5	1	11.4	63	2.0	192	13
02/07/24 17:35	0	4	5	1	11.4	64	2.1	186	14
02/07/24 17:40	0	5	5	1	11.3	66	2.6	195	11
02/07/24 17:45	0	5	5	1	11.3	65	3.3	199	6
02/07/24 17:50	0	5	5	1	11.4	66	3.0	199	7
02/07/24 17:55	0	5	5	1	11.4	64	2.7	194	9
02/07/24 18:00	0	5	5	1	11.3	64	2.5	195	11
02/07/24 18:05	0	5	5	1	11.3	64	2.7	191	9
02/07/24 18:10	0	5	5	1	11.3	64	2.8	185	11
02/07/24 18:15	0	5	5	1	11.2	66	2.0	185	15
02/07/24 18:20	0	5	5	1	11.1	67	1.7	173	22
02/07/24 18:25	0	5	6	1	11.2	68	1.7	168	21
02/07/24 18:30	0	6	6	1	11.2	68	1.9	166	23
02/07/24 18:35	0	6	6	1	11.2	69	1.6	175	23
02/07/24 18:40	0	6	6	1	11.0	69	1.4	166	31
02/07/24 18:45	0	7	7	1	11.0	70	2.4	130	17
02/07/24 18:50	0	8	8	1	11.1	68	2.3	141	17
02/07/24 18:55	0	8	8	1	11.1	69	2.7	135	14
02/07/24 19:00	0	8	8	1	11.1	70	2.2	115	12

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/07/24 19:05	0	9	9	1	10.9	69	2.5	114	8
02/07/24 19:10	0	10	10	1	10.7	70	2.2	112	11
02/07/24 19:15	0	12	12	1	10.6	70	2.0	106	7
02/07/24 19:20	0	21	21	1	10.2	70	2.2	107	8
02/07/24 19:25	0	23	23	1	10.3	71	2.9	113	10
02/07/24 19:30	0	23	23	1	10.4	69	2.5	106	7
02/07/24 19:35	1	27	27	1	10.2	70	2.2	109	8
02/07/24 19:40	1	27	28	1	10.2	72	1.5	114	20
02/07/24 19:45	1	27	28	1	10.2	72	1.8	108	9
02/07/24 19:50	1	27	28	1	10.1	73	1.8	113	12
02/07/24 19:55	1	26	27	1	10.1	73	2.0	112	12
02/07/24 20:00	1	26	26	1	10.1	72	2.3	112	9
02/07/24 20:05	1	25	26	1	10.1	71	2.1	114	13
02/07/24 20:10	1	25	26	1	10.0	70	1.7	114	19
02/07/24 20:15	1	25	26	1	10.0	71	2.0	106	8
02/07/24 20:20	1	25	26	1	9.7	67	2.3	103	5
02/07/24 20:25	1	26	27	1	9.6	69	1.8	107	7
02/07/24 20:30	1	26	27	1	9.5	68	2.2	101	5
02/07/24 20:35	1	27	28	1	9.4	68	2.0	105	6
02/07/24 20:40	1	27	28	1	9.4	68	1.9	105	6
02/07/24 20:45	1	27	28	1	9.4	71	1.9	109	11
02/07/24 20:50	1	27	28	1	9.5	71	2.2	105	7
02/07/24 20:55	1	27	28	1	9.3	71	2.1	106	7
02/07/24 21:00	1	27	29	1	9.4	74	2.3	108	7
02/07/24 21:05	1	27	28	1	9.4	73	2.6	104	6
02/07/24 21:10	1	27	28	1	9.2	71	3.0	101	5
02/07/24 21:15	1	27	28	1	9.1	70	3.2	99	5
02/07/24 21:20	1	26	28	1	9.1	69	2.9	100	5
02/07/24 21:25	1	26	27	1	9.1	70	2.7	100	5
02/07/24 21:30	1	25	27	1	9.0	71	2.7	102	4
02/07/24 21:35	1	25	27	1	8.9	71	2.5	101	4
02/07/24 21:40	1	25	26	1	8.9	72	2.6	101	3
02/07/24 21:45	1	25	26	1	8.8	73	2.7	101	4
02/07/24 21:50	1	25	26	1	8.8	74	3.0	100	4
02/07/24 21:55	1	26	27	1	8.8	74	3.1	100	4
02/07/24 22:00	1	26	27	1	8.8	74	3.2	99	3
02/07/24 22:05	1	26	27	1	8.8	75	3.1	101	6
02/07/24 22:10	1	26	28	1	8.8	73	3.1	100	4
02/07/24 22:15	2	27	28	1	8.8	72	3.1	98	4
02/07/24 22:20	2	27	28	1	8.7	73	3.1	99	4
02/07/24 22:25	1	27	28	1	8.7	72	2.9	97	4
02/07/24 22:30	2	26	28	1	8.7	72	2.5	96	6
02/07/24 22:35	2	26	28	1	8.7	72	2.8	98	6
02/07/24 22:40	2	25	27	1	8.7	73	2.3	102	5
02/07/24 22:45	1	25	27	1	8.5	72	2.1	95	6
02/07/24 22:50	1	25	27	1	8.3	72	1.8	92	9
02/07/24 22:55	1	25	26	1	8.3	72	1.9	94	7
02/07/24 23:00	1	25	26	1	8.2	73	1.8	106	7
02/07/24 23:05	1	24	26	1	8.3	74	1.7	102	8
02/07/24 23:10	1	24	25	1	8.1	73	1.8	95	4
02/07/24 23:15	1	24	25	1	8.0	73	1.7	105	4
02/07/24 23:20	1	25	26	1	8.1	75	1.6	109	7
02/07/24 23:25	1	25	26	1	8.2	75	2.1	105	6
02/07/24 23:30	1	25	26	1	8.3	74	2.0	100	6
02/07/24 23:35	1	25	26	2	8.1	74	2.1	96	5
02/07/24 23:40	2	25	27	1	7.9	75	2.0	94	5
02/07/24 23:45	3	26	28	1	7.7	75	1.9	95	4
02/07/24 23:50	3	26	29		7.7	76	1.6	95	5
02/07/24 23:55	3	26	30		7.6	76	1.4	94	4
03/07/24 00:00	3	27	30	1	7.6	75	1.5	89	6
03/07/24 00:05	3	26	29	1	7.6	74	1.6	96	5
03/07/24 00:10	3	26	29	1	7.7	73	1.6	102	6
03/07/24 00:15	2	26	28	1	7.7	73	1.4	100	6
03/07/24 00:20	2	26	28	1	7.6	73	1.2	100	4
03/07/24 00:25	2	26	27	1	7.5	73	1.0	101	4
03/07/24 00:30	2	25	27	1	7.4	74	1.1	97	4
03/07/24 00:35	2	25	27	1	7.3	74	1.1	83	5
03/07/24 00:40	2	25	27	1	7.2	75	1.0	58	14
03/07/24 00:45	2	25	27	1	7.0	76	1.2	53	11
03/07/24 00:50	3	26	28	1	6.7	77	1.2	12	9
03/07/24 00:55	16	25	41	1	6.4	78	0.8	5	9
03/07/24 01:00	37	28	64	1	6.3	80	0.4	351	23
03/07/24 01:05					6.2	81	0.6	344	11
03/07/24 01:10					6.1	81	1.0	356	9
03/07/24 01:15					5.9	82	0.9	345	24
03/07/24 01:20					5.6	83	1.2	351	14
03/07/24 01:25					5.5	84	1.1	356	17
03/07/24 01:30					5.3	84	1.7	356	9
03/07/24 01:35					5.2	85	2.1	359	7
03/07/24 01:40					5.2	84	1.7	354	11
03/07/24 01:45					5.1	84	1.7	0	10
03/07/24 01:50					5.0	84	1.6	353	11
03/07/24 01:55					5.0	84	2.4	357	10
03/07/24 02:00					4.8	84	2.2	1	7
03/07/24 02:05	79	26	105	1	4.8	84	2.1	354	14
03/07/24 02:10	74	28	102	1	4.8	84	2.3	356	9

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/07/24 02:15	71	29	99	1	4.8	84	2.3	358	17
03/07/24 02:20	69	28	97	1	4.6	84	2.5	359	16
03/07/24 02:25	67	26	94	1	4.6	85	1.6	344	15
03/07/24 02:30	66	25	91	1	4.6	84	1.7	351	16
03/07/24 02:35	65	25	89	1	4.6	84	2.2	355	12
03/07/24 02:40	64	25	89	1	4.5	84	1.9	344	13
03/07/24 02:45	64	25	89	1	4.5	85	1.0	332	25
03/07/24 02:50	62	24	86	1	4.5	85	1.9	345	14
03/07/24 02:55	59	22	81	1	4.4	85	2.4	357	14
03/07/24 03:00	56	22	78	1	4.3	85	2.6	2	7
03/07/24 03:05	55	23	78	1	4.1	85	2.5	8	6
03/07/24 03:10	56	23	79	1	4.0	86	2.4	7	6
03/07/24 03:15	56	23	79	1	4.0	86	2.6	359	6
03/07/24 03:20	54	23	77	1	4.1	86	2.0	2	9
03/07/24 03:25	53	23	76	1	4.1	85	2.1	6	4
03/07/24 03:30	52	23	75	1	3.9	86	2.1	5	3
03/07/24 03:35	51	23	74	1	3.9	86	1.8	9	4
03/07/24 03:40	50	23	73	1	3.9	86	1.9	359	9
03/07/24 03:45	50	24	74	1	4.0	86	1.3	358	18
03/07/24 03:50	51	24	74	1	4.0	86	1.2	355	22
03/07/24 03:55	52	23	76	1	4.0	86	1.3	355	22
03/07/24 04:00	53	23	76	1	3.9	86	0.9	351	23
03/07/24 04:05	53	23	76	1	3.8	87	1.2	331	25
03/07/24 04:10	52	23	75	1	3.9	86	1.8	335	14
03/07/24 04:15	50	23	73	1	3.8	86	1.3	360	29
03/07/24 04:20	48	23	71	1	3.8	86	1.0	343	27
03/07/24 04:25	48	23	70	1	3.8	87	1.3	356	25
03/07/24 04:30	47	23	69	1	3.7	86	1.8	355	21
03/07/24 04:35	42	22	64	1	3.7	86	1.6	357	19
03/07/24 04:40	37	21	58	1	3.7	87	2.3	0	18
03/07/24 04:45	38	21	59	1	3.6	86	2.0	352	16
03/07/24 04:50	39	21	60	1	3.7	86	2.2	4	11
03/07/24 04:55	42	22	63	1	3.6	87	1.6	7	13
03/07/24 05:00	49	23	73	1	3.5	87	1.0	10	24
03/07/24 05:05	60	22	82	1	3.4	87	0.5	63	35
03/07/24 05:10	62	23	85	1	3.3	88	1.0	61	10
03/07/24 05:15	56	21	77	1	3.4	89	0.7	5	22
03/07/24 05:20	57	22	79	1	3.5	89	1.1	343	18
03/07/24 05:25	66	22	88	1	3.6	88	1.7	5	20
03/07/24 05:30	65	24	89	1	3.5	87	1.4	2	22
03/07/24 05:35	65	24	89	1	3.5	88	1.0	5	30
03/07/24 05:40	67	24	91	1	3.4	88	1.2	1	20
03/07/24 05:45	66	24	90	1	3.5	87	1.4	355	18
03/07/24 05:50	69	22	91	1	3.5	87	1.1	357	18
03/07/24 05:55	80	21	101	1	3.4	87	0.9	11	23
03/07/24 06:00	82	24	106	1	3.4	88	1.4	5	19
03/07/24 06:05	81	24	106	1	3.3	87	1.3	8	15
03/07/24 06:10	81	25	106	1	3.3	88	0.9	356	28
03/07/24 06:15	79	25	104	2	3.3	88	1.0	3	28
03/07/24 06:20	70	28	99	1	3.5	88	1.5	356	25
03/07/24 06:25	55	25	80	1	3.5	88	0.7	355	46
03/07/24 06:30	58	24	82	1	3.6	87	0.8	308	34
03/07/24 06:35	60	25	85	1	3.7	87	1.0	311	27
03/07/24 06:40	62	24	86	1	3.6	87	0.6	328	47
03/07/24 06:45	62	24	86	1	3.6	86	0.9	346	28
03/07/24 06:50	61	24	85	1	3.6	87	0.8	308	37
03/07/24 06:55	60	24	84	1	3.6	87	0.7	315	31
03/07/24 07:00	61	24	85	1	3.6	86	0.8	6	31
03/07/24 07:05	64	23	87	1	3.4	87	0.5	345	44
03/07/24 07:10	65	23	88	1	3.5	86	0.5	3	43
03/07/24 07:15	66	23	89	1	3.5	86	1.1	342	23
03/07/24 07:20	67	23	90	2	3.4	86	1.1	351	27
03/07/24 07:25	68	23	90	2	3.5	86	1.2	338	23
03/07/24 07:30	73	20	93	2	3.4	86	0.9	349	28
03/07/24 07:35	84	23	107	2	3.5	86	1.4	7	21
03/07/24 07:40	88	27	115	2	3.3	86	1.0	25	28
03/07/24 07:45	91	27	117	2	3.2	87	0.9	45	7
03/07/24 07:50	93	27	120	2	3.0	88	1.1	50	8
03/07/24 07:55	99	27	126	2	2.9	88	1.2	37	7
03/07/24 08:00	100	27	126	2	2.9	88	1.3	27	8
03/07/24 08:05	103	29	132	2	2.9	88	1.0	23	6
03/07/24 08:10	113	30	143	2	3.0	87	1.1	19	11
03/07/24 08:15	120	28	148	2	3.3	86	1.2	10	19
03/07/24 08:20	121	30	150	2	3.6	84	1.1	21	13
03/07/24 08:25	125	29	154	2	3.9	83	1.3	11	12
03/07/24 08:30	134	25	159	2	4.2	82	1.4	2	10
03/07/24 08:35	134	28	162	2	4.4	81	1.5	356	15
03/07/24 08:40	130	29	160	2	4.6	80	1.1	346	27
03/07/24 08:45	132	30	162	2	4.8	80	1.1	346	33
03/07/24 08:50	139	36	175	2	5.1	78	1.4	350	18
03/07/24 08:55	142	34	175	2	5.2	78	1.1	4	29
03/07/24 09:00	135	33	168	2	5.4	78	1.3	337	26
03/07/24 09:05	125	30	155	2	5.2	78	1.5	332	19
03/07/24 09:10	108	27	135	2	5.3	78	1.2	332	27
03/07/24 09:15	105	28	133	2	5.5	78	0.7	340	42
03/07/24 09:20	106	29	135	2	5.7	77	0.9	334	37

Station Pier Ambient Air Quality Monitoring

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Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/07/24 09:25	113	30	143	2	5.8	76	1.3	326	19
03/07/24 09:30	121	30	152	2	5.8	77	1.4	341	23
03/07/24 09:35	120	31	150	2	5.9	77	1.2	354	32
03/07/24 09:40	112	29	141	2	6.2	76	1.4	7	23
03/07/24 09:45	95	27	122	2	6.3	75	1.8	6	16
03/07/24 09:50	92	28	120	2	6.5	75	0.9	1	33
03/07/24 09:55	98	30	129	2	6.6	75	0.8	346	38
03/07/24 10:00	100	30	130	2	6.6	76	1.0	11	35
03/07/24 10:05	100	29	129	2	6.9	76	0.7	304	32
03/07/24 10:10	98	28	126	2	7.0	76	0.4	341	69
03/07/24 10:15	97	28	125	2	7.5	74	0.7	333	40
03/07/24 10:20	93	29	122	2	7.7	74	0.3	299	42
03/07/24 10:25	86	26	112	2	8.2	72	0.3	222	31
03/07/24 10:30	85	28	113	2	8.5	70	0.6	207	17
03/07/24 10:35	88	27	116	2	8.9	69	0.7	178	21
03/07/24 10:40	95	27	122	2	9.3	65	0.6	153	19
03/07/24 10:45	96	30	126	2	9.6	65	0.3	199	46
03/07/24 10:50	96	30	127	2	9.3	68	0.9	185	22
03/07/24 10:55	97	31	127	2	9.3	69	0.7	191	22
03/07/24 11:00	97	31	128	2	9.1	68	0.9	217	10
03/07/24 11:05	97	31	129	2	9.0	70	0.5	188	33
03/07/24 11:10	98	31	129	2	9.3	69	1.2	205	20
03/07/24 11:15	98	32	130	2	8.7	71	1.4	205	8
03/07/24 11:20	98	32	130	2	8.9	73	1.3	194	8
03/07/24 11:25	98	32	130	2	9.3	72	1.1	192	18
03/07/24 11:30	98	32	130	2	8.9	71	1.1	207	12
03/07/24 11:35	99	32	131	2	9.3	71	0.8	178	24
03/07/24 11:40	99	32	131	2	9.7	69	0.6	170	25
03/07/24 11:45	99	33	132	2	10.0	67	0.7	157	30
03/07/24 11:50	100	33	132	2	10.2	67	0.7	176	31
03/07/24 11:55	100	33	133	2	10.4	66	1.0	165	24
03/07/24 12:00	100	33	133	2	10.5	65	0.7	163	34
03/07/24 12:05	100	34	134	2	10.7	64	0.9	162	25
03/07/24 12:10	101	34	135	2	11.1	63	0.9	158	21
03/07/24 12:15	101	34	135	3	11.2	61	0.7	157	29
03/07/24 12:20	101	35	136	3	11.3	61	0.7	159	27
03/07/24 12:25	102	35	137	3	11.4	61	0.7	162	32
03/07/24 12:30	103	35	138	3	11.3	63	1.1	183	19
03/07/24 12:35	103	36	139	3	11.1	63	1.3	159	15
03/07/24 12:40	102	35	138	3	11.3	63	1.2	174	22
03/07/24 12:45	100	35	135	3	11.4	64	1.2	187	19
03/07/24 12:50	98	35	133	3	11.1	65	1.7	198	13
03/07/24 12:55	94	35	129	3	10.2	67	2.0	202	4
03/07/24 13:00	86	37	122	3	9.9	69	1.9	204	4
03/07/24 13:05	77	33	110	3	9.8	71	1.9	206	5
03/07/24 13:10	70	33	104	3	9.8	70	1.9	205	6
03/07/24 13:15	56	34	90	3	9.9	70	2.2	201	5
03/07/24 13:20	49	31	80	3	10.0	71	2.5	202	5
03/07/24 13:25	52	33	86	3	10.1	72	2.4	199	8
03/07/24 13:30	52	30	83	3	10.7	70	1.7	190	17
03/07/24 13:35	45	27	72	3	10.8	70	2.4	201	9
03/07/24 13:40	43	30	73	2	10.3	72	2.5	201	8
03/07/24 13:45	46	30	76	2	10.3	72	1.8	195	15
03/07/24 13:50	53	30	83	2	10.8	70	1.8	187	19
03/07/24 13:55	57	30	87	2	10.9	69	1.7	182	20
03/07/24 14:00	58	34	92	3	11.1	68	1.8	184	19
03/07/24 14:05	60	34	94	3	11.2	68	1.5	178	26
03/07/24 14:10	60	32	92	3	11.3	67	1.7	174	21
03/07/24 14:15	59	32	92	3	11.3	68	1.5	174	24
03/07/24 14:20	58	32	90	3	11.4	68	1.6	159	19
03/07/24 14:25	57	31	88	3	11.4	67	1.1	174	29
03/07/24 14:30	55	30	85	2	11.7	67	1.4	169	18
03/07/24 14:35	53	30	83	2	11.7	67	1.5	174	24
03/07/24 14:40	50	27	77	2	11.9	66	1.4	175	19
03/07/24 14:45	46	27	73	2	11.9	67	1.2	173	23
03/07/24 14:50	41	29	70	2	12.2	65	1.3	179	22
03/07/24 14:55	39	29	69	2	12.3	66	1.8	200	15
03/07/24 15:00	41	28	69	2	11.8	69	2.2	206	7
03/07/24 15:05	37	32	69	2	11.4	71	2.3	206	7
03/07/24 15:10	34	31	64	2	11.1	72	2.6	208	4
03/07/24 15:15	29	24	53	2	10.9	73	2.6	210	4
03/07/24 15:20	27	25	51	2	10.8	74	2.7	210	5
03/07/24 15:25	24	25	50	2	10.9	74	2.8	214	3
03/07/24 15:30	22	24	47	2	10.9	74	2.8	207	4
03/07/24 15:35	20	23	43	2	11.0	74	2.8	204	4
03/07/24 15:40	18	23	42	2	11.0	73	2.9	204	4
03/07/24 15:45	18	23	41	2	11.0	73	3.1	205	4
03/07/24 15:50	17	24	41	2	11.1	73	3.3	203	4
03/07/24 15:55	18	24	42	2	11.2	73	3.2	208	5
03/07/24 16:00	14	22	35	2	11.1	74	3.1	205	5
03/07/24 16:05	11	21	31	2	11.0	73	3.0	211	7
03/07/24 16:10	9	18	27	1	11.0	74	3.2	216	6
03/07/24 16:15	8	17	25	1	10.9	74	2.8	219	7
03/07/24 16:20	7	18	25	1	10.9	73	2.9	225	5
03/07/24 16:25	6	18	25	1	10.9	72	2.7	220	5
03/07/24 16:30	6	19	25	1	11.0	72	2.8	222	6

Station Pier Ambient Air Quality Monitoring

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Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/07/24 16:35	7	20	27	1	10.9	74	3.1	230	5
03/07/24 16:40	7	21	28	1	10.9	75	3.3	228	4
03/07/24 16:45	7	21	28	1	10.7	75	3.5	231	4
03/07/24 16:50	7	21	28	1	10.7	76	3.4	228	3
03/07/24 16:55	6	21	28	1	10.5	78	3.5	227	4
03/07/24 17:00	6	22	27	1	10.4	80	3.4	228	5
03/07/24 17:05	5	21	27	1	10.4	79	3.5	223	4
03/07/24 17:10	4	21	26	1	10.4	80	3.5	229	5
03/07/24 17:15	4	22	26	1	10.4	81	3.5	230	4
03/07/24 17:20	4	23	26	1	10.3	81	3.0	232	4
03/07/24 17:25	3	23	26	1	10.3	81	3.2	231	4
03/07/24 17:30	3	23	26	1	10.4	81	3.0	232	5
03/07/24 17:35	3	24	26	1	10.4	82	2.8	232	6
03/07/24 17:40	3	24	27	1	10.3	82	2.8	229	4
03/07/24 17:45	3	24	27	1	10.3	83	2.5	231	4
03/07/24 17:50	3	25	28	1	10.4	84	2.4	227	6
03/07/24 17:55	3	25	28	1	10.4	82	2.2	235	5
03/07/24 18:00	3	25	29	1	10.2	82	2.1	238	4
03/07/24 18:05	3	25	29	1	10.2	82	1.9	231	8
03/07/24 18:10	4	25	29	1	10.3	82	2.1	234	7
03/07/24 18:15	4	26	30	1	10.3	82	2.3	234	6
03/07/24 18:20	4	26	30	1	10.2	83	2.0	236	7
03/07/24 18:25	5	26	31	1	10.2	84	2.1	227	10
03/07/24 18:30	21	18	39	1	10.2	84	2.6	233	6
03/07/24 18:35	2	25	27	1	10.2	84	2.7	235	5
03/07/24 18:40	2	24	26	1	10.1	85	2.6	239	8
03/07/24 18:45	2	24	25	1	10.2	85	2.3	247	8
03/07/24 18:50	1	23	25	1	10.2	85	2.2	245	8
03/07/24 18:55	16	22	37	1	10.0	84	1.3	282	19
03/07/24 19:00	33	30	63	1	9.6	84	1.4	290	8
03/07/24 19:05	34	31	65	1	9.5	85	1.4	283	11
03/07/24 19:10	37	30	68	1	9.4	86	1.7	288	11
03/07/24 19:15	37	30	67	1	9.4	87	1.2	262	23
03/07/24 19:20	36	20	55	1	9.5	87	1.1	179	43
03/07/24 19:25	4	8	12	1	10.4	83	1.6	165	31
03/07/24 19:30	0	11	11	1	11.0	78	1.9	161	32
03/07/24 19:35	0	11	11	1	11.3	75	1.8	159	36
03/07/24 19:40	0	12	12	1	11.3	72	1.9	160	30
03/07/24 19:45	0	12	12	1	11.3	72	2.1	152	29
03/07/24 19:50	0	13	13	1	11.3	72	3.0	145	21
03/07/24 19:55	0	14	14	1	11.3	71	3.3	143	21
03/07/24 20:00	0	15	15	2	11.3	71	3.7	143	15
03/07/24 20:05	0	15	15	2	11.2	71	3.3	145	17
03/07/24 20:10	0	15	15	2	11.3	70	3.5	136	13
03/07/24 20:15	0	14	15	2	11.2	71	2.3	149	23
03/07/24 20:20	0	14	14	2	11.1	72	1.6	165	30
03/07/24 20:25	0	14	14	1	11.0	74	1.6	162	32
03/07/24 20:30	0	13	13	1	11.0	76	2.0	168	22
03/07/24 20:35	0	13	13	2	11.0	77	1.8	159	31
03/07/24 20:40	0	12	12	1	11.2	77	2.3	166	32
03/07/24 20:45	0	10	10	2	11.4	76	2.6	166	27
03/07/24 20:50	0	8	8	2	11.4	77	2.3	168	28
03/07/24 20:55	0	6	6	1	11.4	76	2.1	169	31
03/07/24 21:00	0	6	6	1	11.4	76	3.1	168	20
03/07/24 21:05	0	6	6	1	11.4	76	3.0	161	25
03/07/24 21:10	0	5	5	1	11.4	74	2.9	156	31
03/07/24 21:15	0	5	5	1	11.3	74	2.6	167	26
03/07/24 21:20	0	5	5	1	11.2	73	4.2	145	21
03/07/24 21:25	0	5	6	1	11.1	72	4.1	146	19
03/07/24 21:30	0	5	5	1	11.0	71	5.0	145	16
03/07/24 21:35	0	5	6	1	11.0	71	5.4	138	12
03/07/24 21:40	0	6	6	1	10.8	71	5.0	136	11
03/07/24 21:45	0	6	6	1	10.8	71	5.1	139	10
03/07/24 21:50	0	6	6	1	10.8	72	4.1	143	17
03/07/24 21:55	0	5	5	1	10.7	71	4.7	142	13
03/07/24 22:00	0	5	5	1	10.7	71	3.4	135	15
03/07/24 22:05	0	5	5	1	10.7	72	4.3	139	12
03/07/24 22:10	0	5	5	1	10.6	73	4.1	144	16
03/07/24 22:15	0	5	5	1	10.5	73	4.0	135	16
03/07/24 22:20	0	5	5	1	10.4	74	3.3	131	17
03/07/24 22:25	0	5	6	1	10.3	76	2.8	117	14
03/07/24 22:30	0	6	6	1	10.1	77	2.4	120	22
03/07/24 22:35	0	6	6	1	9.9	78	3.4	117	13
03/07/24 22:40	0	7	7	1	9.7	78	3.0	117	15
03/07/24 22:45	0	7	8	1	9.5	79	3.5	109	7
03/07/24 22:50	0	9	9	1	9.3	79	2.9	108	12
03/07/24 22:55	0	10	10	1	9.1	78	3.1	97	12
03/07/24 23:00	0	11	11	1	8.8	78	3.0	101	5
03/07/24 23:05	0	12	12	1	8.7	79	2.4	98	7
03/07/24 23:10	0	12	13	1	8.5	78	2.3	95	6
03/07/24 23:15	0	13	14	1	8.2	79	1.6	92	5
03/07/24 23:20	0	14	14	1	8.2	80	1.5	89	6
03/07/24 23:25	0	15	15	1	8.0	80	1.4	92	5
03/07/24 23:30	0	15	16	1	7.9	81	1.4	96	3
03/07/24 23:35	0	16	16	1	7.8	82	1.3	99	5
03/07/24 23:40	0	17	17	1	7.8	82	1.1	99	4

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Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/07/24 23:45	0	17	17	1	7.8	82	1.1	113	8
03/07/24 23:50	0	18	18		7.8	83	1.3	97	11
03/07/24 23:55	0	19	19		7.5	83	1.4	99	6
04/07/24 00:00	1	19	21	1	7.3	83	1.4	100	4
04/07/24 00:05	5	22	27	1	7.2	84	0.8	21	43
04/07/24 00:10	6	23	29	1	7.2	84	0.9	9	11
04/07/24 00:15	10	22	32	1	7.1	84	1.0	352	11
04/07/24 00:20	22	24	46	1	7.0	85	0.6	359	15
04/07/24 00:25	27	25	52	1	6.9	85	0.7	37	12
04/07/24 00:30	52	24	76	1	6.7	86	1.4	19	11
04/07/24 00:35	84	28	112	1	6.6	87	1.9	355	12
04/07/24 00:40	82	28	110	1	6.4	87	2.4	0	8
04/07/24 00:45	79	28	107	1	6.1	88	2.2	2	12
04/07/24 00:50	78	26	104	1	6.0	89	1.8	1	6
04/07/24 00:55	75	25	100	1	5.9	89	1.5	4	9
04/07/24 01:00	72	24	95	1	5.8	90	1.5	5	9
04/07/24 01:05					5.7	90	1.6	2	5
04/07/24 01:10					5.7	91	1.3	354	13
04/07/24 01:15					5.7	91	1.2	3	10
04/07/24 01:20					5.6	91	1.5	360	15
04/07/24 01:25					5.6	91	1.5	1	7
04/07/24 01:30					5.5	92	0.9	348	16
04/07/24 01:35					5.6	92	0.5	1	27
04/07/24 01:40					5.5	91	0.5	12	19
04/07/24 01:45					5.3	92	0.9	357	9
04/07/24 01:50					5.4	92	1.6	3	5
04/07/24 01:55					5.3	92	1.4	5	8
04/07/24 02:00					5.3	92	1.6	5	6
04/07/24 02:05	40	21	62	1	5.2	92	1.5	3	7
04/07/24 02:10	41	21	62	1	5.1	92	1.3	5	7
04/07/24 02:15	41	21	62	1	5.0	93	1.2	4	10
04/07/24 02:20	42	21	63	1	5.0	93	1.0	7	14
04/07/24 02:25	42	21	64	1	5.0	93	1.1	6	19
04/07/24 02:30	43	21	64	1	5.0	93	0.9	10	19
04/07/24 02:35	44	21	65	1	5.0	93	1.8	359	11
04/07/24 02:40	43	22	65	1	5.2	93	2.0	0	7
04/07/24 02:45	43	22	65	1	5.1	92	1.7	3	7
04/07/24 02:50	42	21	63	1	5.1	93	1.7	358	7
04/07/24 02:55	36	21	57	1	5.3	93	1.4	357	16
04/07/24 03:00	23	21	45	1	5.3	93	1.5	356	10
04/07/24 03:05	22	19	41	1	5.4	93	1.2	354	17
04/07/24 03:10	26	18	44	1	5.2	92	1.1	9	13
04/07/24 03:15	28	18	46	1	5.1	93	0.8	17	20
04/07/24 03:20	28	19	46	1	4.9	93	0.3	33	25
04/07/24 03:25	26	19	45	1	4.7	93	0.5	56	16
04/07/24 03:30	25	19	44	1	4.7	94	0.8	42	5
04/07/24 03:35	29	17	46	1	4.6	94	0.9	35	8
04/07/24 03:40	43	14	57	1	4.5	93	0.8	33	9
04/07/24 03:45	50	18	68	1	4.4	93	0.8	27	7
04/07/24 03:50	51	19	70	1	4.4	93	0.8	44	9
04/07/24 03:55	51	19	70	1	4.4	93	0.7	58	11
04/07/24 04:00	51	19	70	1	4.3	93	0.7	25	8
04/07/24 04:05	50	19	69	1	4.4	93	1.0	3	6
04/07/24 04:10	49	19	68	1	4.4	93	0.6	19	32
04/07/24 04:15	49	19	68	1	4.3	93	0.8	76	11
04/07/24 04:20	48	19	67	1	4.2	93	0.8	98	11
04/07/24 04:25	48	18	66	1	4.1	93	0.8	82	11
04/07/24 04:30	47	18	65	1	4.1	94	0.7	49	7
04/07/24 04:35	47	18	65	1	3.9	93	0.6	82	11
04/07/24 04:40	46	18	64	1	3.9	94	0.6	58	13
04/07/24 04:45	45	17	62	1	3.8	94	0.7	55	8
04/07/24 04:50	44	17	61	1	3.8	94	1.0	52	13
04/07/24 04:55	44	17	61	1	3.9	94	1.0	70	7
04/07/24 05:00	43	17	60	1	3.9	93	1.0	53	12
04/07/24 05:05	42	17	59	1	3.9	93	1.2	45	8
04/07/24 05:10	41	17	58	1	3.9	93	1.3	34	6
04/07/24 05:15	41	17	57	1	3.8	93	1.1	46	9
04/07/24 05:20	40	17	57	1	3.7	93	1.1	44	5
04/07/24 05:25	40	17	56	1	3.7	93	0.9	57	8
04/07/24 05:30	39	16	55	1	3.7	93	0.5	64	7
04/07/24 05:35	39	16	55	1	3.7	93	0.6	58	8
04/07/24 05:40	39	16	55	1	3.6	93	0.6	72	12
04/07/24 05:45	39	16	56	1	3.7	93	0.5	82	6
04/07/24 05:50	40	16	56	1	3.7	93	0.4	63	9
04/07/24 05:55	42	16	59	1	3.7	93	1.0	46	7
04/07/24 06:00	43	17	60	1	3.7	93	1.2	36	6
04/07/24 06:05	44	17	61	1	3.7	93	1.3	48	5
04/07/24 06:10	45	17	61	1	3.6	92	1.4	46	4
04/07/24 06:15	46	17	62	1	3.6	93	1.4	46	5
04/07/24 06:20	47	17	64	2	3.6	92	1.1	34	6
04/07/24 06:25	49	17	66	1	3.6	93	1.0	37	7
04/07/24 06:30	52	16	68	1	3.5	92	0.9	33	11
04/07/24 06:35	66	14	81	1	3.4	92	0.7	27	16
04/07/24 06:40	71	19	90	1	3.4	93	0.7	9	23
04/07/24 06:45	116	20	135	1	3.5	94	0.9	333	20
04/07/24 06:50	123	25	147	1	3.6	94	0.6	340	26

Station Pier Ambient Air Quality Monitoring

July 2024

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Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/07/24 06:55	134	24	158	1	3.6	94	0.8	356	21
04/07/24 07:00	147	28	175	2	3.7	93	1.1	348	17
04/07/24 07:05	148	26	175	2	3.7	93	1.2	355	23
04/07/24 07:10	156	26	182	2	3.7	93	0.9	327	25
04/07/24 07:15	163	28	190	2	3.8	93	0.6	337	31
04/07/24 07:20	163	28	190	2	3.7	93	0.5	349	35
04/07/24 07:25	164	27	191	2	3.6	93	0.7	333	26
04/07/24 07:30	167	27	194	2	3.6	93	0.8	332	20
04/07/24 07:35	168	29	197	2	3.7	93	0.8	328	27
04/07/24 07:40	176	29	205	2	3.6	93	0.5	356	34
04/07/24 07:45	190	30	220	2	3.4	93	0.6	336	27
04/07/24 07:50	184	31	215	2	3.5	93	0.6	359	28
04/07/24 07:55	166	29	195	2	3.7	94	1.4	341	19
04/07/24 08:00	130	28	158	2	4.0	94	1.6	343	22
04/07/24 08:05	131	29	160	2	4.0	93	2.5	354	14
04/07/24 08:10	142	29	171	2	4.2	92	2.8	352	17
04/07/24 08:15	153	26	178	2	4.4	91	2.2	6	20
04/07/24 08:20	156	28	184	2	4.5	90	1.8	11	19
04/07/24 08:25	157	31	188	2	4.7	89	1.9	9	11
04/07/24 08:30	160	31	191	2	4.9	89	1.3	351	26
04/07/24 08:35	164	31	196	2	5.0	88	1.0	345	28
04/07/24 08:40	149	30	180	2	5.0	90	1.4	317	14
04/07/24 08:45	128	27	155	2	4.7	92	0.9	360	27
04/07/24 08:50	123	28	150	2	4.7	93	0.5	342	45
04/07/24 08:55	119	28	147	2	4.7	94	0.5	352	42
04/07/24 09:00	118	27	145	2	4.7	94	0.9	337	25
04/07/24 09:05	121	30	150	2	4.7	94	1.2	332	19
04/07/24 09:10	130	32	162	2	4.8	94	0.8	325	28
04/07/24 09:15	154	30	184	2	5.0	94	0.9	308	18
04/07/24 09:20	161	33	194	2	4.9	93	0.9	314	24
04/07/24 09:25	159	33	192	2	4.9	93	0.8	323	19
04/07/24 09:30	157	33	190	2	5.1	93	0.7	323	24
04/07/24 09:35	155	32	187	2	5.2	93	1.1	321	17
04/07/24 09:40	148	33	181	2	5.2	92	1.1	329	15
04/07/24 09:45	147	32	179	2	5.3	92	0.6	5	31
04/07/24 09:50	150	31	181	2	5.4	92	0.4	350	48
04/07/24 09:55	152	31	183	2	5.5	91	0.3	34	37
04/07/24 10:00	151	33	184	2	5.6	90	0.3	351	42
04/07/24 10:05	151	32	184	2	5.7	90	0.6	305	23
04/07/24 10:10	153	32	185	2	5.8	90	0.7	287	18
04/07/24 10:15	156	31	187	2	5.9	89	0.5	279	21
04/07/24 10:20	162	29	190	2	6.0	89	1.0	266	12
04/07/24 10:25	170	25	195	2	6.0	89	0.9	256	14
04/07/24 10:30	176	31	207	2	6.2	89	0.5	217	40
04/07/24 10:35	187	39	226	2	6.4	88	0.4	253	42
04/07/24 10:40	198	35	233	2	6.5	88	0.6	247	24
04/07/24 10:45	200	35	235	3	6.6	87	0.5	258	26
04/07/24 10:50	200	36	236	3	6.6	87	0.8	243	12
04/07/24 10:55	198	33	231	3	6.7	87	0.7	292	31
04/07/24 11:00	182	33	216	3	6.8	85	0.3	351	60
04/07/24 11:05	171	38	209	3	7.0	84	0.1	203	70
04/07/24 11:10	181	41	222	3	7.2	84	0.7	243	15
04/07/24 11:15	179	36	215	3	7.3	84	0.8	257	15
04/07/24 11:20	174	32	207	3	7.2	84	0.8	257	28
04/07/24 11:25	173	34	208	3	7.2	84	0.7	235	9
04/07/24 11:30	172	36	208	3	7.3	84	0.5	240	19
04/07/24 11:35	173	37	210	3	7.5	83	0.3	210	37
04/07/24 11:40	174	37	211	3	7.8	83	0.4	234	29
04/07/24 11:45	174	38	212	3	7.9	83	0.5	274	32
04/07/24 11:50	174	38	212	3	8.0	84	0.5	288	35
04/07/24 11:55	172	38	210	3	8.1	84	0.4	260	42
04/07/24 12:00	165	37	202	3	8.1	84	1.0	270	15
04/07/24 12:05	130	33	163	3	8.2	85	1.2	259	12
04/07/24 12:10	105	32	138	3	8.3	85	1.0	268	17
04/07/24 12:15	101	31	132	2	8.4	85	1.4	245	16
04/07/24 12:20	103	32	136	2	8.5	85	1.6	252	11
04/07/24 12:25	112	35	148	2	8.7	85	1.7	250	13
04/07/24 12:30	137	34	171	2	8.7	84	1.5	222	10
04/07/24 12:35	143	38	181	2	8.7	85	1.8	212	10
04/07/24 12:40	112	33	146	2	8.7	85	1.6	215	8
04/07/24 12:45	90	33	124	2	8.7	85	1.7	224	5
04/07/24 12:50	67	26	93	2	8.8	86	2.0	221	5
04/07/24 12:55	49	27	76	2	8.8	87	1.9	224	5
04/07/24 13:00	48	24	71	2	8.8	87	1.7	231	6
04/07/24 13:05	34	22	56	2	8.9	88	1.4	243	7
04/07/24 13:10	30	23	53	1	9.0	88	0.8	258	12
04/07/24 13:15	29	23	52	1	9.1	87	0.4	275	18
04/07/24 13:20	30	24	54	1	9.3	87	0.5	300	13
04/07/24 13:25	33	24	57	1	9.3	87	0.3	292	15
04/07/24 13:30	36	25	60	1	9.5	87	0.5	277	17
04/07/24 13:35	40	28	68	1	9.5	86	0.7	302	23
04/07/24 13:40	47	29	77	1	9.6	86	0.8	309	16
04/07/24 13:45	47	27	74	1	9.8	86	1.3	293	14
04/07/24 13:50	47	27	74	1	9.8	86	1.3	268	10
04/07/24 13:55	50	26	76	1	9.9	86	1.0	275	17
04/07/24 14:00	31	35	66	1	10.0	86	1.7	267	6

Station Pier Ambient Air Quality Monitoring

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Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/07/24 14:05	27	24	51	1	10.2	85	1.5	270	10
04/07/24 14:10	31	24	55	1	10.4	85	1.4	279	13
04/07/24 14:15	39	22	61	1	10.4	85	1.0	286	12
04/07/24 14:20	36	23	58	1	10.5	84	1.1	281	15
04/07/24 14:25	35	24	59	1	10.6	84	1.3	269	9
04/07/24 14:30	35	24	59	1	10.7	84	0.6	286	20
04/07/24 14:35	35	24	59	1	10.9	83	1.1	264	8
04/07/24 14:40	35	24	58	1	10.8	83	1.0	255	7
04/07/24 14:45	35	24	59	1	10.9	83	1.3	256	5
04/07/24 14:50	36	24	60	1	11.0	84	1.2	261	8
04/07/24 14:55	37	24	62	1	10.9	83	1.0	260	13
04/07/24 15:00	38	25	63	1	11.1	84	0.9	293	17
04/07/24 15:05	38	24	62	1	11.2	84	1.1	274	18
04/07/24 15:10	37	25	62	1	11.3	84	1.9	266	3
04/07/24 15:15	36	24	61	1	11.3	84	1.5	259	9
04/07/24 15:20	33	25	58	1	11.4	84	1.7	256	11
04/07/24 15:25	19	26	45	1	11.5	84	1.5	252	7
04/07/24 15:30	20	25	45	1	11.4	84	1.9	243	7
04/07/24 15:35	23	25	48	1	11.6	85	1.7	237	6
04/07/24 15:40	12	19	32	1	11.6	85	1.6	234	6
04/07/24 15:45	9	21	30	1	11.6	85	1.7	244	11
04/07/24 15:50	11	24	34	1	11.6	86	1.5	234	16
04/07/24 15:55	13	28	40	1	11.6	86	1.8	245	9
04/07/24 16:00	15	29	44	1	11.6	86	1.6	226	7
04/07/24 16:05	8	22	30	1	11.7	86	1.6	221	5
04/07/24 16:10	4	18	22	1	11.8	87	1.8	230	7
04/07/24 16:15	4	18	22	1	11.6	87	2.0	237	4
04/07/24 16:20	4	18	22	1	11.6	87	1.7	243	5
04/07/24 16:25	4	18	22	1	11.7	87	1.5	239	5
04/07/24 16:30	3	18	21	1	11.6	86	1.3	237	6
04/07/24 16:35	3	17	20	1	11.6	86	1.6	240	20
04/07/24 16:40	3	17	20	0	11.6	87	1.3	219	14
04/07/24 16:45	3	17	20	0	11.6	88	1.7	220	2
04/07/24 16:50	2	16	19	0	11.6	89	1.4	225	3
04/07/24 16:55	3	19	21	0	11.5	89	1.4	216	14
04/07/24 17:00	8	27	36	0	11.4	90	1.7	220	11
04/07/24 17:05	8	24	32	0	11.3	90	1.1	200	17
04/07/24 17:10	3	19	23	0	11.2	90	0.6	210	14
04/07/24 17:15	2	18	20	0	11.2	90	0.7	217	13
04/07/24 17:20	1	19	20	0	11.0	91	0.5	249	20
04/07/24 17:25	1	18	19	0	11.0	91	0.8	248	13
04/07/24 17:30	1	17	18	0	10.9	91	1.2	221	19
04/07/24 17:35	1	17	17	0	10.8	92	1.1	207	19
04/07/24 17:40	1	16	16	0	10.9	92	1.4	220	8
04/07/24 17:45	0	15	16	0	10.8	93	1.9	218	4
04/07/24 17:50	0	15	15	0	10.9	94	1.9	217	3
04/07/24 17:55	0	15	15	0	10.9	94	1.8	209	7
04/07/24 18:00	0	15	15	0	10.9	94	1.8	203	6
04/07/24 18:05	1	15	16	0	10.9	94	1.3	199	7
04/07/24 18:10	1	15	16	0	10.7	94	0.9	201	21
04/07/24 18:15	1	14	15	0	11.0	95	1.0	148	34
04/07/24 18:20	0	13	13	0	11.3	95	2.5	142	15
04/07/24 18:25	0	11	12	0	11.5	93	2.4	140	13
04/07/24 18:30	0	11	11	0	11.6	92	2.5	137	11
04/07/24 18:35	0	11	12	0	11.7	90	2.3	131	14
04/07/24 18:40	0	12	12	0	11.8	89	1.8	133	19
04/07/24 18:45	0	12	12	0	11.8	89	1.9	130	16
04/07/24 18:50	0	12	12	0	11.8	88	2.3	131	15
04/07/24 18:55	0	12	12	0	11.8	87	3.7	135	14
04/07/24 19:00	0	12	12	0	11.9	86	3.7	135	12
04/07/24 19:05	0	11	11	0	11.9	86	3.2	131	15
04/07/24 19:10	0	11	11	0	11.9	86	3.1	129	21
04/07/24 19:15	0	10	10	0	11.9	86	3.6	128	14
04/07/24 19:20	0	9	10	0	11.8	86	3.8	135	9
04/07/24 19:25	0	9	9	0	11.8	86	3.2	130	11
04/07/24 19:30	0	8	8	0	11.8	86	3.1	130	16
04/07/24 19:35	0	8	8	0	11.8	86	2.9	130	13
04/07/24 19:40	0	7	8	0	11.8	86	2.2	125	19
04/07/24 19:45	0	7	7	0	11.7	87	2.3	128	18
04/07/24 19:50	0	7	7	0	11.5	87	1.9	123	21
04/07/24 19:55	0	7	7	0	11.4	88	1.8	127	23
04/07/24 20:00	0	7	7	0	11.3	88	1.8	124	17
04/07/24 20:05	0	7	7	0	11.3	88	1.6	124	19
04/07/24 20:10	0	7	8	0	11.1	89	2.0	129	17
04/07/24 20:15	0	8	8	0	11.1	89	1.8	124	14
04/07/24 20:20	0	9	9	0	11.0	89	1.3	125	22
04/07/24 20:25	0	9	10	0	10.8	90	1.5	121	17
04/07/24 20:30	0	10	11	0	10.7	90	1.1	120	20
04/07/24 20:35	0	11	12	0	10.6	91	1.3	128	15
04/07/24 20:40	0	12	12	0	10.6	91	1.2	126	16
04/07/24 20:45	0	14	14	0	10.5	91	1.5	129	13
04/07/24 20:50	0	16	16	0	10.4	91	0.9	123	17
04/07/24 20:55	0	18	18	0	10.2	91	0.5	107	19
04/07/24 21:00	0	19	20	0	10.0	92	0.6	56	18
04/07/24 21:05	1	22	22	0	9.8	93	1.2	17	8
04/07/24 21:10	12	31	43	0	9.4	92	1.2	32	6

Station Pier Ambient Air Quality Monitoring

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Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/07/24 21:15	30	30	60	0	9.4	93	1.0	35	6
04/07/24 21:20	33	27	61	0	9.3	93	1.1	23	6
04/07/24 21:25	36	28	63	0	9.3	93	1.1	10	10
04/07/24 21:30	37	29	66	0	9.2	94	1.0	340	13
04/07/24 21:35	55	29	84	0	9.2	94	0.9	332	8
04/07/24 21:40	66	27	93	0	9.3	94	0.7	324	9
04/07/24 21:45	76	22	97	1	9.2	93	0.8	333	10
04/07/24 21:50	80	26	106	1	9.0	93	0.7	323	9
04/07/24 21:55	73	27	101	1	8.9	93	0.5	308	16
04/07/24 22:00	72	27	99	1	8.8	94	0.4	256	20
04/07/24 22:05	72	26	98	1	8.9	95	0.6	270	7
04/07/24 22:10	72	26	97	1	8.9	95	0.7	258	13
04/07/24 22:15	72	25	97	1	9.0	95	0.5	248	16
04/07/24 22:20	76	26	102	1	9.1	95	0.5	263	12
04/07/24 22:25	101	30	131	1	8.9	95	0.5	262	9
04/07/24 22:30	98	27	125	1	8.7	94	0.4	224	35
04/07/24 22:35	79	25	104	1	8.7	95	0.5	181	19
04/07/24 22:40	49	27	76	1	9.0	96	0.4	184	24
04/07/24 22:45	54	26	80	1	8.9	95	0.1	145	51
04/07/24 22:50	37	28	66	1	8.9	96	0.6	148	23
04/07/24 22:55	27	25	52	1	9.1	96	0.1	130	86
04/07/24 23:00	24	25	49	1	9.3	95	0.9	125	22
04/07/24 23:05	25	22	47	1	9.3	95	0.7	119	34
04/07/24 23:10	11	22	33	1	9.4	95	0.8	128	21
04/07/24 23:15	4	23	27	1	9.5	94	1.2	135	14
04/07/24 23:20	0	19	20	0	9.7	94	1.2	128	18
04/07/24 23:25	0	18	19	0	9.8	93	1.1	124	17
04/07/24 23:30	0	19	19	0	9.9	92	1.1	122	18
04/07/24 23:35	0	19	20	0	9.9	92	1.6	135	12
04/07/24 23:40	0	20	21	0	9.8	91	1.2	135	14
04/07/24 23:45	0	21	21	0	9.8	91	0.9	128	22
04/07/24 23:50	1	21	22		9.9	91	1.0	118	15
04/07/24 23:55	1	21	22		9.9	91	0.8	115	13
05/07/24 00:00	1	21	22	0	9.7	91	0.6	111	16
05/07/24 00:05	1	22	23	0	9.7	91	0.5	99	8
05/07/24 00:10	1	22	23	0	9.7	91	0.4	133	14
05/07/24 00:15	1	22	24	0	9.6	91	0.1	173	75
05/07/24 00:20	1	22	24	1	9.7	92	0.3	12	21
05/07/24 00:25	2	23	24	1	9.7	92	0.2	207	42
05/07/24 00:30	1	22	24	0	9.8	92	0.5	189	31
05/07/24 00:35	1	22	24	0	9.8	92	0.5	162	27
05/07/24 00:40	1	22	23	1	9.8	91	0.6	158	19
05/07/24 00:45	1	22	23	1	9.9	91	0.7	140	22
05/07/24 00:50	1	22	22	1	9.9	91	1.0	142	20
05/07/24 00:55	1	21	22	1	9.9	90	1.0	134	17
05/07/24 01:00	0	21	21	1	9.9	90	1.5	143	16
05/07/24 01:05					10.0	90	1.9	139	14
05/07/24 01:10					10.0	89	2.0	142	11
05/07/24 01:15					10.0	90	1.8	151	18
05/07/24 01:20					10.0	90	1.9	148	18
05/07/24 01:25					10.0	90	2.2	135	13
05/07/24 01:30					10.0	90	1.8	131	14
05/07/24 01:35					10.0	90	1.2	122	23
05/07/24 01:40					10.0	90	1.3	119	21
05/07/24 01:45					9.9	91	1.6	133	14
05/07/24 01:50					9.9	91	1.7	137	11
05/07/24 01:55					10.0	91	1.0	115	19
05/07/24 02:00					9.9	91	1.0	78	25
05/07/24 02:05	0	20	20	1	9.6	91	0.9	33	7
05/07/24 02:10	1	20	21	1	9.4	92	1.1	48	9
05/07/24 02:15	2	21	22	1	9.4	92	1.0	69	9
05/07/24 02:20	2	21	23	1	9.4	92	0.9	73	7
05/07/24 02:25	3	21	24	1	9.4	92	0.7	65	8
05/07/24 02:30	11	18	29	0	9.4	92	0.8	54	7
05/07/24 02:35	24	22	46	0	9.3	92	0.9	58	9
05/07/24 02:40	34	25	59	0	9.3	92	0.9	58	10
05/07/24 02:45	41	22	63	0	9.3	92	1.1	51	12
05/07/24 02:50	47	20	66	0	9.2	92	1.1	55	10
05/07/24 02:55	51	20	71	0	9.3	92	1.0	53	9
05/07/24 03:00	52	23	76	1	9.3	92	0.8	47	9
05/07/24 03:05	53	23	76	1	9.3	92	0.6	59	9
05/07/24 03:10	52	23	75	1	9.2	92	0.3	139	27
05/07/24 03:15	44	27	71	1	9.3	92	0.4	121	15
05/07/24 03:20	42	24	66	1	9.4	92	0.6	108	8
05/07/24 03:25	42	23	65	1	9.4	92	0.7	104	13
05/07/24 03:30	44	23	66	1	9.3	92	1.4	109	7
05/07/24 03:35	48	22	70	1	9.4	93	1.1	108	7
05/07/24 03:40	47	22	69	1	9.5	93	1.0	105	7
05/07/24 03:45	45	22	67	1	9.4	92	1.0	91	8
05/07/24 03:50	45	22	67	1	9.4	92	1.1	98	5
05/07/24 03:55	46	21	67	1	9.5	93	0.8	90	8
05/07/24 04:00	47	21	68	1	9.4	93	1.1	99	5
05/07/24 04:05	47	21	68	1	9.5	93	0.5	78	15
05/07/24 04:10	47	21	68	1	9.5	93	0.6	46	13
05/07/24 04:15	48	20	68	1	9.4	92	0.6	39	10
05/07/24 04:20	49	20	70	1	9.4	92	1.0	41	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/07/24 04:25	51	20	72	1	9.3	92	1.0	43	9
05/07/24 04:30	54	20	74	1	9.3	92	0.9	44	10
05/07/24 04:35	56	21	77	1	9.3	92	1.0	49	10
05/07/24 04:40	50	24	74	1	9.3	92	1.0	53	7
05/07/24 04:45	46	22	68	1	9.3	92	1.1	56	6
05/07/24 04:50	44	20	64	1	9.3	92	0.8	37	7
05/07/24 04:55	44	20	64	1	9.3	92	1.0	54	11
05/07/24 05:00	44	20	64	1	9.3	91	1.2	46	9
05/07/24 05:05	45	20	65	1	9.3	91	1.4	30	7
05/07/24 05:10	49	20	69	1	9.3	91	1.0	23	13
05/07/24 05:15	65	21	87	1	9.3	91	1.2	360	12
05/07/24 05:20	86	21	107	1	9.3	91	0.8	4	19
05/07/24 05:25	84	22	106	1	9.4	91	0.7	9	14
05/07/24 05:30	86	22	108	1	9.3	91	1.2	2	9
05/07/24 05:35	100	23	122	1	9.4	91	0.7	345	23
05/07/24 05:40	113	23	136	1	9.3	91	0.4	14	39
05/07/24 05:45	112	24	136	1	9.3	91	0.8	25	13
05/07/24 05:50	112	24	136	2	9.3	91	0.6	359	17
05/07/24 05:55	111	25	135	2	9.3	91	0.6	11	20
05/07/24 06:00	113	24	138	2	9.3	91	1.6	337	10
05/07/24 06:05	115	25	140	2	9.3	91	1.6	328	14
05/07/24 06:10	118	25	143	2	9.3	90	0.7	1	37
05/07/24 06:15	119	25	145	2	9.3	90	0.7	7	39
05/07/24 06:20	119	26	145	2	9.3	91	0.6	50	26
05/07/24 06:25	122	26	148	2	9.3	91	0.8	353	12
05/07/24 06:30	124	27	152	2	9.3	91	1.2	356	9
05/07/24 06:35	128	28	156	2	9.3	91	1.3	1	13
05/07/24 06:40	130	29	160	2	9.3	91	0.8	14	15
05/07/24 06:45	134	30	164	2	9.3	91	1.0	21	19
05/07/24 06:50	138	30	168	2	9.4	91	0.8	92	16
05/07/24 06:55	140	28	168	2	9.4	91	0.7	55	8
05/07/24 07:00	140	28	168	2	9.4	91	0.9	68	11
05/07/24 07:05	137	27	164	2	9.5	91	0.9	12	20
05/07/24 07:10	116	26	143	2	9.5	90	1.0	46	16
05/07/24 07:15	89	26	115	2	9.4	90	0.8	14	18
05/07/24 07:20	91	25	116	2	9.5	90	0.4	130	69
05/07/24 07:25	77	27	104	2	9.5	91	1.1	111	31
05/07/24 07:30	52	20	72	2	9.5	91	0.8	86	11
05/07/24 07:35	59	23	82	2	9.5	91	0.2	336	65
05/07/24 07:40	66	25	92	2	9.5	91	0.1	337	73
05/07/24 07:45	71	23	94	2	9.5	91	1.0	32	16
05/07/24 07:50	72	24	95	2	9.5	91	0.3	55	57
05/07/24 07:55	71	24	95	1	9.5	91	0.6	126	12
05/07/24 08:00	70	23	94	1	9.6	91	0.7	124	25
05/07/24 08:05	63	19	82	1	9.7	91	1.1	103	18
05/07/24 08:10	43	20	64	1	9.5	90	1.7	100	6
05/07/24 08:15	43	21	64	1	9.6	90	1.4	103	6
05/07/24 08:20	54	23	77	1	9.6	90	1.3	97	4
05/07/24 08:25	56	23	79	1	9.6	90	1.0	101	5
05/07/24 08:30	54	22	76	1	9.6	89	1.6	95	5
05/07/24 08:35	46	22	68	1	9.6	88	0.9	91	5
05/07/24 08:40	46	21	67	1	9.7	88	0.8	84	10
05/07/24 08:45	47	21	69	1	9.8	88	0.7	67	11
05/07/24 08:50	47	22	69	1	9.8	88	0.5	72	15
05/07/24 08:55	48	23	71	1	9.8	88	0.7	91	7
05/07/24 09:00	50	25	75	1	9.9	88	1.0	99	6
05/07/24 09:05	58	21	80	1	9.9	88	0.8	102	10
05/07/24 09:10	58	23	81	1	10.0	87	0.3	97	15
05/07/24 09:15	60	22	82	1	10.0	87	0.3	85	27
05/07/24 09:20	60	23	83	1	10.0	87	0.3	15	39
05/07/24 09:25	62	23	85	1	10.0	87	0.4	287	31
05/07/24 09:30	61	23	83	1	10.2	87	0.4	252	14
05/07/24 09:35	60	23	82	1	10.3	87	0.4	257	23
05/07/24 09:40	58	23	81	1	10.3	87	0.5	242	15
05/07/24 09:45	57	23	80	1	10.3	87	0.1	262	57
05/07/24 09:50	56	23	79	1	10.4	87	0.5	215	13
05/07/24 09:55	52	24	76	1	10.4	86	0.5	275	29
05/07/24 10:00	47	26	73	1	10.4	86	1.0	316	9
05/07/24 10:05	47	24	71	1	10.4	86	1.3	300	19
05/07/24 10:10	35	20	55	1	10.5	85	1.8	270	7
05/07/24 10:15	23	22	45	1	10.7	86	1.1	282	13
05/07/24 10:20	44	26	70	1	10.8	86	1.0	280	15
05/07/24 10:25	90	25	115	1	10.8	85	0.8	271	24
05/07/24 10:30	81	27	108	1	11.0	85	1.5	243	10
05/07/24 10:35	76	26	102	1	11.0	86	2.0	205	5
05/07/24 10:40	58	25	84	1	11.0	87	2.2	200	5
05/07/24 10:45	54	22	76	1	10.9	86	1.7	201	5
05/07/24 10:50	38	25	63	1	10.9	86	0.9	218	9
05/07/24 10:55	38	25	63	1	10.9	86	1.2	204	8
05/07/24 11:00	39	24	63	1	11.0	86	1.2	205	7
05/07/24 11:05	37	24	62	1	11.0	85	1.4	201	4
05/07/24 11:10	25	25	50	1	11.1	87	1.5	203	7
05/07/24 11:15	22	22	43	1	11.0	87	1.4	206	6
05/07/24 11:20	22	22	44	1	11.0	87	1.0	204	6
05/07/24 11:25	22	22	44	1	11.0	87	1.0	206	7
05/07/24 11:30	23	22	46	1	11.1	87	0.9	202	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/07/24 11:35	27	24	51	1	11.0	87	1.1	203	4
05/07/24 11:40	33	24	56	1	11.1	88	1.0	198	6
05/07/24 11:45	45	26	72	1	11.2	88	0.7	164	25
05/07/24 11:50	53	29	81	1	11.4	87	1.1	172	20
05/07/24 11:55	32	28	60	1	11.4	86	1.1	160	25
05/07/24 12:00	30	28	59	1	11.3	86	1.2	150	21
05/07/24 12:05	32	25	56	1	11.2	86	1.1	149	28
05/07/24 12:10	15	20	35	1	11.2	87	0.6	159	42
05/07/24 12:15	17	19	36	1	11.2	87	1.0	188	17
05/07/24 12:20	11	19	30	1	11.3	87	1.0	167	19
05/07/24 12:25	8	18	26	1	11.3	86	1.2	175	16
05/07/24 12:30	10	18	29	1	11.5	86	1.0	175	20
05/07/24 12:35	7	16	23	1	11.5	86	1.6	195	12
05/07/24 12:40	4	12	16	1	11.2	87	2.8	202	3
05/07/24 12:45	5	13	18	1	11.0	89	2.6	205	5
05/07/24 12:50	6	15	21	1	11.0	90	2.5	225	5
05/07/24 12:55	6	14	20	1	11.1	88	2.1	219	4
05/07/24 13:00	5	12	17	1	11.1	87	2.1	223	6
05/07/24 13:05	4	11	16	1	11.2	87	2.4	231	4
05/07/24 13:10	4	11	15	1	11.1	87	2.3	219	5
05/07/24 13:15	3	11	15	1	11.2	87	2.2	209	4
05/07/24 13:20	3	11	14	1	11.3	87	2.0	203	6
05/07/24 13:25	3	11	14	1	11.3	87	2.3	204	6
05/07/24 13:30	3	13	16	1	11.2	87	2.1	196	5
05/07/24 13:35	5	22	27	1	11.2	87	1.8	193	9
05/07/24 13:40	4	13	17	1	11.2	88	1.9	195	9
05/07/24 13:45	5	14	19	0	11.2	88	2.2	201	5
05/07/24 13:50	4	15	19	0	11.1	89	2.3	201	5
05/07/24 13:55	4	10	14	1	11.2	90	2.1	203	6
05/07/24 14:00	4	19	22	1	11.2	90	2.0	197	7
05/07/24 14:05	5	17	22	1	11.2	89	1.7	195	9
05/07/24 14:10	5	12	18	1	11.2	89	2.2	205	6
05/07/24 14:15	3	9	13	1	11.2	90	2.4	205	4
05/07/24 14:20	2	10	12	1	11.2	89	2.5	210	3
05/07/24 14:25	2	10	12	1	11.2	90	2.4	205	5
05/07/24 14:30	2	10	12	1	11.1	90	2.5	207	5
05/07/24 14:35	2	11	13	1	11.1	90	1.6	198	16
05/07/24 14:40	3	17	20	0	11.3	89	1.5	204	10
05/07/24 14:45	3	9	12	1	11.2	89	1.3	211	5
05/07/24 14:50	2	9	11	1	11.3	88	1.3	210	5
05/07/24 14:55	2	9	11	1	11.3	88	1.4	219	7
05/07/24 15:00	2	9	11	1	11.3	88	1.4	226	6
05/07/24 15:05	2	9	11	1	11.4	88	1.3	241	8
05/07/24 15:10	2	9	11	1	11.3	88	1.4	250	8
05/07/24 15:15	2	9	11	1	11.4	88	1.3	250	6
05/07/24 15:20	2	9	10	0	11.4	88	1.3	252	6
05/07/24 15:25	1	8	10	0	11.4	88	1.4	230	5
05/07/24 15:30	1	8	10	0	11.4	87	1.3	231	7
05/07/24 15:35	1	8	9	0	11.5	87	1.3	227	4
05/07/24 15:40	1	8	9	0	11.5	86	1.3	221	3
05/07/24 15:45	1	8	9	0	11.5	86	1.3	218	2
05/07/24 15:50	1	8	9	0	11.5	86	1.1	219	4
05/07/24 15:55	1	8	9	0	11.6	86	0.8	218	4
05/07/24 16:00	1	8	9	0	11.6	86	0.9	212	4
05/07/24 16:05	1	8	9	0	11.6	86	1.3	217	4
05/07/24 16:10	1	8	9	0	11.7	87	1.4	222	3
05/07/24 16:15	1	8	9	0	11.6	86	1.4	216	2
05/07/24 16:20	1	8	9	0	11.5	86	1.3	215	2
05/07/24 16:25	1	8	9	0	11.7	86	1.0	198	10
05/07/24 16:30	1	17	18	0	11.6	85	1.2	202	3
05/07/24 16:35	6	23	29	1	11.6	85	1.2	205	6
05/07/24 16:40	1	12	13	1	11.6	85	1.1	208	7
05/07/24 16:45	3	13	16	0	11.6	85	1.0	203	5
05/07/24 16:50	2	10	12	1	11.6	86	1.0	196	9
05/07/24 16:55	1	12	13	1	11.7	86	1.3	196	8
05/07/24 17:00	1	11	12	0	11.6	86	1.2	193	7
05/07/24 17:05	1	10	10	0	11.6	87	1.3	206	9
05/07/24 17:10	1	7	8	0	11.7	89	2.0	211	5
05/07/24 17:15	0	7	7	1	11.7	89	1.9	203	7
05/07/24 17:20	0	7	7	1	11.8	88	1.7	213	7
05/07/24 17:25	0	7	7	0	11.8	88	1.5	211	7
05/07/24 17:30	0	7	7	0	11.8	89	1.5	202	7
05/07/24 17:35	0	7	7	0	11.7	87	1.1	194	18
05/07/24 17:40	0	7	7	0	11.9	85	2.1	142	21
05/07/24 17:45	0	6	6	0	12.0	82	2.8	143	16
05/07/24 17:50	0	5	5	1	12.1	79	2.9	143	19
05/07/24 17:55	0	4	4	1	12.3	78	1.6	165	32
05/07/24 18:00	0	4	4	1	12.3	78	2.8	147	18
05/07/24 18:05	0	3	3	1	12.3	77	3.2	145	16
05/07/24 18:10	0	3	3	1	12.3	77	1.7	170	31
05/07/24 18:15	0	3	3	1	12.3	77	1.9	162	23
05/07/24 18:20	0	3	3	1	12.3	77	1.8	167	35
05/07/24 18:25	0	3	3	1	12.3	77	2.5	171	20
05/07/24 18:30	0	3	3	1	12.3	75	2.3	169	22
05/07/24 18:35	0	3	3	1	12.2	75	2.1	165	25
05/07/24 18:40	0	3	3	1	12.3	75	2.4	163	23

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/07/24 18:45	0	3	3	1	12.3	75	1.9	169	33
05/07/24 18:50	0	3	3	1	12.3	74	2.4	159	27
05/07/24 18:55	0	3	3	1	12.3	75	2.2	162	28
05/07/24 19:00	0	3	3	1	12.2	74	2.6	167	22
05/07/24 19:05	0	3	3	1	12.2	75	2.0	161	32
05/07/24 19:10	0	3	3	1	12.2	75	2.2	164	33
05/07/24 19:15	0	3	3	1	12.2	74	2.5	170	26
05/07/24 19:20	0	3	3	1	12.1	75	2.4	166	27
05/07/24 19:25	0	3	3	1	12.1	75	2.0	164	31
05/07/24 19:30	0	3	3	1	12.2	75	2.6	171	21
05/07/24 19:35	0	3	3	1	12.1	75	2.4	165	27
05/07/24 19:40	0	2	2	1	12.1	75	2.1	162	29
05/07/24 19:45	0	2	2	1	12.1	74	2.2	153	32
05/07/24 19:50	0	2	2	1	12.1	74	2.2	162	29
05/07/24 19:55	0	2	2	1	12.0	74	1.9	167	37
05/07/24 20:00	0	2	2	1	12.1	74	2.5	159	26
05/07/24 20:05	0	2	2	1	12.1	76	1.7	166	34
05/07/24 20:10	0	2	2	1	11.9	75	2.8	151	25
05/07/24 20:15	0	2	2	1	12.0	75	3.0	152	24
05/07/24 20:20	0	2	1	1	12.0	76	2.2	161	30
05/07/24 20:25	0	2	2	1	11.9	75	2.5	154	29
05/07/24 20:30	0	2	2	1	11.9	75	1.7	164	34
05/07/24 20:35	0	2	2	1	11.8	75	2.1	162	34
05/07/24 20:40	0	2	2	1	11.9	75	4.0	145	14
05/07/24 20:45	0	2	2	1	11.9	76	4.0	140	11
05/07/24 20:50	0	2	2	1	11.8	74	4.4	140	10
05/07/24 20:55	0	2	2	1	11.8	75	3.5	132	14
05/07/24 21:00	0	2	2	1	11.8	75	4.0	135	14
05/07/24 21:05	0	2	2	1	11.8	74	4.9	143	15
05/07/24 21:10	0	1	2	1	11.8	73	5.3	141	10
05/07/24 21:15	0	1	2	1	11.8	73	4.5	145	17
05/07/24 21:20	0	1	2	1	11.7	73	3.5	153	23
05/07/24 21:25	0	1	1	1	11.7	75	3.5	147	18
05/07/24 21:30	0	1	1	1	11.6	72	4.7	144	13
05/07/24 21:35	0	1	2	1	11.6	72	4.0	145	18
05/07/24 21:40	0	1	1	1	11.6	72	4.9	138	10
05/07/24 21:45	0	1	1	1	11.5	74	2.4	129	26
05/07/24 21:50	0	2	2	1	11.4	74	3.0	130	16
05/07/24 21:55	0	2	2	1	11.4	74	2.5	129	18
05/07/24 22:00	0	2	2	1	11.4	75	3.7	136	12
05/07/24 22:05	0	2	2	1	11.3	75	3.5	134	14
05/07/24 22:10	0	2	2	1	11.3	74	3.2	134	11
05/07/24 22:15	0	2	2	1	11.2	74	3.1	134	14
05/07/24 22:20	0	2	2	1	11.2	75	2.6	131	16
05/07/24 22:25	0	2	2	1	11.2	75	2.8	131	16
05/07/24 22:30	0	2	2	1	11.2	75	2.9	130	16
05/07/24 22:35	0	2	3	1	11.1	75	2.1	124	18
05/07/24 22:40	0	3	3	1	11.0	76	2.0	127	18
05/07/24 22:45	0	3	3	1	10.9	76	2.1	129	17
05/07/24 22:50	0	3	3	1	10.9	77	2.3	118	13
05/07/24 22:55	0	4	4	1	10.7	77	2.1	118	15
05/07/24 23:00	0	4	4	0	10.7	78	3.1	111	6
05/07/24 23:05	0	5	5	0	10.5	78	3.0	105	5
05/07/24 23:10	0	6	6	0	10.5	78	2.5	111	10
05/07/24 23:15	0	7	7	1	10.4	77	3.2	100	7
05/07/24 23:20	0	8	8	1	10.3	76	2.2	97	6
05/07/24 23:25	0	9	9	1	10.1	77	2.4	100	7
05/07/24 23:30	0	10	10	1	10.1	79	2.6	104	5
05/07/24 23:35	0	10	10	1	9.9	78	2.4	96	7
05/07/24 23:40	0	10	10	1	9.8	77	2.0	99	8
05/07/24 23:45	12	36	48	1	9.7	78	1.8	100	6
05/07/24 23:50	11	55	66		9.7	79	2.0	102	6
05/07/24 23:55	7	11	18		9.5	79	2.4	100	5
06/07/24 00:00	6	13	19	1	9.4	78	2.4	95	4
06/07/24 00:05	0	10	10	1	9.2	79	2.1	95	5
06/07/24 00:10	0	10	10	1	9.1	79	1.9	96	4
06/07/24 00:15	0	10	10	1	8.9	80	1.9	97	6
06/07/24 00:20	0	10	10	1	8.9	81	1.8	102	5
06/07/24 00:25	0	10	10	1	8.8	81	1.7	103	8
06/07/24 00:30	0	10	10	1	8.8	83	1.9	107	9
06/07/24 00:35	0	10	10	1	9.0	83	1.8	107	11
06/07/24 00:40	0	9	10	1	8.9	83	1.5	109	10
06/07/24 00:45	0	9	9	1	8.8	84	1.6	113	12
06/07/24 00:50	0	9	9	1	9.0	84	1.3	113	18
06/07/24 00:55	0	8	8	1	8.7	83	1.2	104	13
06/07/24 01:00	0	8	8	1	8.5	83	1.7	102	7
06/07/24 01:05					8.4	83	1.5	93	8
06/07/24 01:10					8.3	83	1.7	91	6
06/07/24 01:15					8.3	83	1.8	93	6
06/07/24 01:20					8.3	82	2.0	91	7
06/07/24 01:25					8.3	82	1.9	91	9
06/07/24 01:30					8.4	81	1.7	93	8
06/07/24 01:35					8.3	81	2.0	95	7
06/07/24 01:40					8.3	81	2.2	96	7
06/07/24 01:45					8.3	81	2.0	96	6
06/07/24 01:50					8.3	82	1.8	103	4

Station Pier Ambient Air Quality Monitoring

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5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/07/24 01:55					8.2	82	1.8	100	6
06/07/24 02:00					8.2	82	1.5	99	5
06/07/24 02:05	0	8	8	1	8.1	83	1.4	108	7
06/07/24 02:10	0	8	9	0	8.1	84	1.6	110	7
06/07/24 02:15	0	9	9	1	8.2	84	1.4	108	7
06/07/24 02:20	0	9	9	1	8.2	84	1.5	103	8
06/07/24 02:25	0	9	9	0	8.0	83	1.6	102	6
06/07/24 02:30	0	9	10	1	8.1	84	1.6	105	7
06/07/24 02:35	0	9	10	1	8.2	84	1.7	104	5
06/07/24 02:40	0	9	9	1	8.3	83	1.6	102	7
06/07/24 02:45	0	9	9	1	8.2	83	1.6	94	7
06/07/24 02:50	0	9	9	1	8.3	83	1.7	84	13
06/07/24 02:55	0	9	9	1	8.5	82	2.0	87	14
06/07/24 03:00	0	9	9	1	8.5	81	1.9	87	8
06/07/24 03:05	0	9	9	1	8.6	81	1.7	72	11
06/07/24 03:10	0	9	9	1	8.6	81	1.8	79	10
06/07/24 03:15	0	8	9	1	8.6	81	1.7	81	10
06/07/24 03:20	0	8	8	1	8.6	81	1.8	84	10
06/07/24 03:25	0	7	8	1	8.7	80	1.9	85	9
06/07/24 03:30	0	7	7	1	8.5	81	2.0	87	8
06/07/24 03:35	0	7	7	1	8.6	81	1.8	76	12
06/07/24 03:40	0	7	7	1	8.4	81	1.7	65	10
06/07/24 03:45	0	7	7	1	8.2	82	1.8	65	9
06/07/24 03:50	0	8	8	1	8.0	83	1.7	67	8
06/07/24 03:55	0	8	9	1	7.8	84	1.7	59	11
06/07/24 04:00	1	10	10	1	7.8	84	1.9	54	7
06/07/24 04:05	0	11	12	1	7.8	85	1.8	56	8
06/07/24 04:10	0	13	13	1	7.6	85	1.6	60	8
06/07/24 04:15	0	14	14	1	7.6	86	1.5	59	8
06/07/24 04:20	0	14	14	1	7.6	85	1.7	62	8
06/07/24 04:25	0	14	14	1	7.7	85	1.4	67	8
06/07/24 04:30	0	14	14	1	7.8	84	1.3	61	9
06/07/24 04:35	0	14	15	1	7.8	84	1.2	56	13
06/07/24 04:40	0	15	15	1	7.8	84	1.7	48	6
06/07/24 04:45	0	15	15	1	7.9	84	1.3	53	6
06/07/24 04:50	0	15	15	1	7.9	84	1.2	50	7
06/07/24 04:55	0	15	15	1	7.9	84	1.2	69	12
06/07/24 05:00	0	14	15	1	8.1	83	0.8	53	13
06/07/24 05:05	0	14	15	1	8.1	82	0.5	82	28
06/07/24 05:10	0	14	14	1	8.2	83	0.6	78	31
06/07/24 05:15	0	14	14	1	8.3	83	0.9	59	14
06/07/24 05:20	0	13	13	1	8.2	83	1.0	53	12
06/07/24 05:25	0	13	13	1	8.3	82	1.0	54	16
06/07/24 05:30	0	13	13	1	8.2	83	0.9	65	13
06/07/24 05:35	0	12	13	1	8.3	82	1.0	58	13
06/07/24 05:40	0	12	12	1	8.3	82	1.7	59	12
06/07/24 05:45	0	12	12	1	8.4	81	1.7	67	10
06/07/24 05:50	0	11	11	1	8.5	80	1.7	61	12
06/07/24 05:55	0	11	11	1	8.6	80	1.8	65	14
06/07/24 06:00	0	10	10	0	8.6	80	1.9	68	12
06/07/24 06:05	0	10	10	0	8.6	79	1.8	68	13
06/07/24 06:10	0	10	10	0	8.7	79	1.8	71	11
06/07/24 06:15	0	10	10	1	8.7	79	1.4	75	15
06/07/24 06:20	0	10	10	1	8.7	79	1.8	77	11
06/07/24 06:25	0	10	10	1	8.7	78	2.1	77	8
06/07/24 06:30	0	10	11	1	8.7	78	2.0	70	9
06/07/24 06:35	0	10	11	1	8.8	78	1.6	76	10
06/07/24 06:40	0	10	11	1	8.8	78	1.5	81	11
06/07/24 06:45	0	10	10	1	8.9	77	2.6	100	8
06/07/24 06:50	0	9	9	1	9.1	76	2.2	89	8
06/07/24 06:55	0	8	9	1	9.0	76	1.8	84	6
06/07/24 07:00	0	9	9	1	9.0	77	1.9	87	7
06/07/24 07:05	0	10	11	1	8.8	78	1.9	79	6
06/07/24 07:10	0	12	12	1	8.9	77	1.8	83	8
06/07/24 07:15	0	12	12	1	8.8	78	1.6	90	8
06/07/24 07:20	0	12	13	1	8.8	78	1.7	87	9
06/07/24 07:25	0	12	12	1	8.8	78	1.9	95	7
06/07/24 07:30	0	12	12	1	8.8	78	2.2	97	6
06/07/24 07:35	0	12	12	1	8.8	78	2.7	98	3
06/07/24 07:40	0	13	13	1	8.7	78	1.9	95	6
06/07/24 07:45	0	12	13	1	8.7	78	1.7	94	8
06/07/24 07:50	0	12	12	1	8.6	77	2.0	90	9
06/07/24 07:55	0	11	12	1	8.7	77	1.6	79	11
06/07/24 08:00	0	11	11	1	8.7	77	2.0	90	11
06/07/24 08:05	0	10	11	1	8.7	77	1.9	92	8
06/07/24 08:10	0	10	10	1	8.9	77	2.0	96	9
06/07/24 08:15	0	9	10	1	8.7	77	2.8	102	5
06/07/24 08:20	0	9	9	1	8.8	77	2.3	96	6
06/07/24 08:25	0	9	9	1	8.8	77	2.8	95	7
06/07/24 08:30	1	8	9	1	8.7	77	2.9	99	6
06/07/24 08:35	1	8	9	1	8.7	77	3.1	98	5
06/07/24 08:40	1	8	9	1	8.7	76	2.8	99	7
06/07/24 08:45	1	7	8	1	8.7	76	2.9	93	10
06/07/24 08:50	0	7	7	1	8.7	76	2.2	94	12
06/07/24 08:55	0	7	7	1	8.7	76	2.4	98	11
06/07/24 09:00	0	6	6	1	8.7	75	2.0	92	16

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/07/24 09:05	1	5	6	1	8.7	75	1.6	70	15
06/07/24 09:10	1	5	6	1	8.7	75	1.5	78	16
06/07/24 09:15	1	5	5	1	8.6	76	1.3	113	27
06/07/24 09:20	0	5	5	1	8.8	76	1.5	118	18
06/07/24 09:25	0	5	5	1	8.8	75	1.2	127	19
06/07/24 09:30	1	5	5	1	8.9	76	1.0	161	33
06/07/24 09:35	1	5	6	1	8.9	75	1.0	113	15
06/07/24 09:40	1	5	6	1	9.0	75	0.5	155	34
06/07/24 09:45	1	5	6	1	9.1	74	0.4	222	32
06/07/24 09:50	1	6	6	1	9.1	75	0.6	205	47
06/07/24 09:55	1	6	6	1	9.2	74	0.4	147	35
06/07/24 10:00	1	5	6	1	9.3	74	1.0	154	28
06/07/24 10:05	1	5	6	1	9.3	73	0.8	162	33
06/07/24 10:10	1	5	6	1	9.3	73	0.9	138	17
06/07/24 10:15	1	5	6	1	9.3	73	0.6	123	32
06/07/24 10:20	1	5	6	1	9.3	73	1.1	131	20
06/07/24 10:25	1	5	6	1	9.3	74	1.1	150	37
06/07/24 10:30	1	5	6	1	9.4	73	0.8	152	23
06/07/24 10:35	1	5	6	1	9.5	72	0.8	169	24
06/07/24 10:40	1	6	7	1	9.6	72	0.5	174	27
06/07/24 10:45	1	6	7	1	9.6	73	0.5	180	46
06/07/24 10:50	1	6	7	1	9.6	73	0.9	199	28
06/07/24 10:55	1	7	8	1	9.6	74	0.8	156	43
06/07/24 11:00	1	7	8	1	9.6	72	1.1	147	22
06/07/24 11:05	1	7	9	1	9.6	74	0.9	194	24
06/07/24 11:10	2	8	9	1	9.6	74	0.8	143	34
06/07/24 11:15	2	8	9	1	9.6	73	1.3	145	23
06/07/24 11:20	2	8	9	1	9.5	74	1.2	157	30
06/07/24 11:25	2	8	10	1	9.6	73	1.1	160	31
06/07/24 11:30	2	8	10	1	9.6	72	1.1	146	25
06/07/24 11:35	2	8	10	1	9.6	73	0.7	168	36
06/07/24 11:40	2	8	10	1	9.5	73	1.4	149	27
06/07/24 11:45	2	8	10	1	9.6	73	1.1	170	30
06/07/24 11:50	2	7	9	1	9.7	74	1.2	181	27
06/07/24 11:55	2	7	9	1	9.7	72	1.4	145	25
06/07/24 12:00	2	7	9	1	9.7	72	1.3	145	20
06/07/24 12:05	2	7	9	1	9.7	72	1.1	157	24
06/07/24 12:10	2	7	10	1	9.8	72	1.2	163	26
06/07/24 12:15	2	7	9	1	9.8	71	1.3	165	27
06/07/24 12:20	2	7	9	1	9.8	72	1.3	152	23
06/07/24 12:25	2	7	9	1	9.7	72	1.2	146	23
06/07/24 12:30	2	7	9	1	9.9	71	1.0	171	25
06/07/24 12:35	2	7	9	1	10.0	72	1.1	196	17
06/07/24 12:40	3	7	9	1	10.0	73	1.3	191	24
06/07/24 12:45	3	7	9	1	10.3	70	1.1	155	28
06/07/24 12:50	3	7	10	1	10.9	68	0.8	157	36
06/07/24 12:55	3	7	10	1	11.1	66	0.8	117	23
06/07/24 13:00	4	8	12	1	10.9	68	1.3	116	21
06/07/24 13:05	4	9	13	1	10.6	69	2.4	108	11
06/07/24 13:10	4	9	13	1	10.2	69	1.9	100	15
06/07/24 13:15	4	9	13	1	9.9	70	1.9	113	14
06/07/24 13:20	4	9	13	1	9.9	71	1.2	116	17
06/07/24 13:25	4	9	13	1	10.2	70	1.0	129	30
06/07/24 13:30	4	9	13	1	10.7	69	0.8	176	32
06/07/24 13:35	4	8	12	1	11.3	66	1.2	159	23
06/07/24 13:40	4	8	12	1	11.5	64	1.5	163	16
06/07/24 13:45	4	8	12	1	11.5	65	1.3	174	24
06/07/24 13:50	4	8	12	1	11.6	65	1.4	169	18
06/07/24 13:55	4	8	12	1	11.8	64	1.3	175	20
06/07/24 14:00	4	8	12	1	11.8	66	1.5	192	18
06/07/24 14:05	4	8	12	1	11.7	67	1.4	193	23
06/07/24 14:10	4	8	12	1	11.6	66	1.5	196	15
06/07/24 14:15	4	8	12	1	11.2	68	2.2	205	5
06/07/24 14:20	4	8	12	1	11.0	70	2.2	202	7
06/07/24 14:25	4	8	11	1	10.7	71	2.1	200	14
06/07/24 14:30	3	8	11	1	11.2	68	1.7	189	23
06/07/24 14:35	3	7	11	1	11.2	68	1.8	183	21
06/07/24 14:40	3	7	10	1	11.5	68	1.5	191	16
06/07/24 14:45	3	7	10	1	11.8	67	1.8	196	15
06/07/24 14:50	3	7	10	1	11.6	68	1.9	198	13
06/07/24 14:55	3	7	10	1	11.8	67	1.8	193	18
06/07/24 15:00	3	7	10	1	11.5	67	1.8	184	19
06/07/24 15:05	3	8	11	1	11.7	66	1.7	187	18
06/07/24 15:10	3	8	11	1	11.7	67	2.1	191	15
06/07/24 15:15	3	8	11	1	11.7	67	1.8	186	17
06/07/24 15:20	3	7	10	1	11.6	67	1.8	184	22
06/07/24 15:25	2	7	9	1	11.8	68	1.8	183	20
06/07/24 15:30	2	7	9	1	11.6	67	2.2	188	17
06/07/24 15:35	2	7	8	1	11.5	68	2.1	190	15
06/07/24 15:40	2	7	9	1	11.4	68	2.0	188	16
06/07/24 15:45	2	7	8	1	11.4	68	2.2	191	15
06/07/24 15:50	2	6	8	1	11.4	69	2.4	189	15
06/07/24 15:55	1	6	7	1	11.2	70	2.5	189	14
06/07/24 16:00	1	6	7	1	11.2	70	2.1	189	16
06/07/24 16:05	1	5	6	1	11.2	70	2.5	194	14
06/07/24 16:10	1	5	6	1	11.0	71	2.7	192	12

Station Pier Ambient Air Quality Monitoring

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5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/07/24 16:15	1	5	6	1	10.9	72	2.4	187	17
06/07/24 16:20	1	5	6	1	10.9	72	2.9	187	14
06/07/24 16:25	1	5	6	1	10.9	73	2.4	182	17
06/07/24 16:30	1	5	6	1	10.8	73	3.0	172	20
06/07/24 16:35	1	5	6	1	10.8	74	2.7	172	21
06/07/24 16:40	1	6	7	1	10.7	73	2.7	147	23
06/07/24 16:45	1	7	8	1	10.5	72	3.5	139	13
06/07/24 16:50	1	8	9	1	10.2	73	4.0	140	11
06/07/24 16:55	1	8	9	1	9.9	74	4.5	135	11
06/07/24 17:00	1	8	9	1	9.7	75	3.3	133	16
06/07/24 17:05	1	8	9	1	9.6	75	3.4	132	14
06/07/24 17:10	1	9	9	1	9.4	75	2.7	121	20
06/07/24 17:15	1	9	10	1	9.4	76	2.3	115	22
06/07/24 17:20	1	10	10	1	9.3	75	2.1	122	24
06/07/24 17:25	0	10	11	1	9.2	76	1.8	119	22
06/07/24 17:30	0	10	11	1	9.2	77	2.2	118	20
06/07/24 17:35	0	11	11	1	9.2	77	2.6	114	12
06/07/24 17:40	0	11	11	1	9.1	77	3.4	112	10
06/07/24 17:45	0	11	12	1	9.1	76	3.2	114	9
06/07/24 17:50	0	12	12	1	9.1	77	2.0	118	21
06/07/24 17:55	0	12	12	1	9.1	78	2.6	113	15
06/07/24 18:00	0	12	12	1	9.0	78	2.3	115	16
06/07/24 18:05	0	12	12	1	9.0	79	2.7	108	10
06/07/24 18:10	0	13	13	1	8.9	79	2.6	104	8
06/07/24 18:15	1	16	17	1	8.6	78	2.2	96	7
06/07/24 18:20	1	19	20	1	8.5	79	2.6	105	7
06/07/24 18:25	1	19	20	1	8.7	80	2.6	99	9
06/07/24 18:30	2	20	22	1	8.5	78	2.4	95	8
06/07/24 18:35	2	21	23	1	8.4	79	2.1	90	9
06/07/24 18:40	2	21	23	1	8.4	79	2.2	91	9
06/07/24 18:45	2	21	23	1	8.5	80	2.1	98	8
06/07/24 18:50	2	18	20	1	8.7	80	2.2	109	9
06/07/24 18:55	2	7	8	1	8.8	79	1.7	112	13
06/07/24 19:00	1	6	7	1	8.9	78	1.6	112	12
06/07/24 19:05	1	5	6	1	8.8	77	1.4	120	18
06/07/24 19:10	1	6	6	1	8.8	79	1.7	113	15
06/07/24 19:15	1	6	7	1	8.7	79	1.4	106	17
06/07/24 19:20	0	7	8	1	8.6	80	2.3	116	12
06/07/24 19:25	0	8	8	1	8.6	80	1.6	109	13
06/07/24 19:30	0	9	10	1	8.4	79	1.3	93	10
06/07/24 19:35	0	15	15	1	8.2	79	1.0	80	12
06/07/24 19:40	1	18	19	1	8.1	80	0.7	82	12
06/07/24 19:45	1	19	20	1	8.0	81	0.6	70	13
06/07/24 19:50	2	19	20	1	8.0	81	0.5	56	12
06/07/24 19:55	7	19	26	1	7.8	81	0.6	72	11
06/07/24 20:00	9	24	33	1	7.7	82	0.8	90	9
06/07/24 20:05	5	23	27	1	7.7	82	0.7	87	10
06/07/24 20:10	11	20	31	1	7.7	83	1.1	90	4
06/07/24 20:15	11	21	32	1	7.7	83	0.6	110	30
06/07/24 20:20	7	18	25	1	7.8	83	0.5	64	16
06/07/24 20:25	7	19	26	1	7.8	83	0.4	32	20
06/07/24 20:30	21	21	42	1	7.7	83	0.4	37	25
06/07/24 20:35	24	23	47	1	7.5	83	0.4	51	20
06/07/24 20:40	24	28	52	1	7.3	84	0.6	5	11
06/07/24 20:45	20	27	46	1	7.3	84	0.7	353	13
06/07/24 20:50	14	26	39	1	7.4	85	0.8	331	10
06/07/24 20:55	11	26	37	1	7.5	85	0.7	334	10
06/07/24 21:00	10	25	35	1	7.4	84	0.8	337	11
06/07/24 21:05	11	25	36	1	7.5	84	0.8	351	10
06/07/24 21:10	11	24	36	1	7.4	84	0.7	335	17
06/07/24 21:15	22	22	44	1	7.2	85	0.7	336	13
06/07/24 21:20	23	23	46	1	7.2	85	0.7	338	13
06/07/24 21:25	17	25	42	1	7.3	85	1.0	328	13
06/07/24 21:30	17	24	42	1	7.4	85	0.9	330	13
06/07/24 21:35	17	24	41	1	7.4	85	1.0	330	11
06/07/24 21:40	17	24	41	1	7.4	85	1.1	334	9
06/07/24 21:45	18	24	42	1	7.5	85	1.3	335	7
06/07/24 21:50	11	28	39	1	7.7	84	1.4	337	14
06/07/24 21:55	17	25	41	1	7.9	83	1.1	332	15
06/07/24 22:00	26	22	48	1	7.9	83	0.9	339	26
06/07/24 22:05	40	23	63	1	7.9	83	1.0	357	28
06/07/24 22:10	42	24	66	1	7.8	84	1.2	326	20
06/07/24 22:15	42	24	66	1	7.9	84	1.2	320	19
06/07/24 22:20	42	24	66	1	7.9	84	1.0	315	17
06/07/24 22:25	42	25	67	2	8.0	84	1.3	324	15
06/07/24 22:30	43	25	68	2	7.9	84	0.6	353	29
06/07/24 22:35	43	25	67	2	7.9	84	0.9	349	30
06/07/24 22:40	43	25	68	2	8.0	84	0.9	15	25
06/07/24 22:45	44	25	68	2	7.9	84	1.0	5	31
06/07/24 22:50	44	25	69	2	8.0	84	1.2	346	24
06/07/24 22:55	45	25	70	2	8.0	84	1.0	350	33
06/07/24 23:00	46	25	71	2	8.0	84	0.8	346	32
06/07/24 23:05	48	25	72	2	8.0	84	1.2	358	26
06/07/24 23:10	48	25	73	2	8.0	84	1.2	341	31
06/07/24 23:15	47	25	72	2	8.0	84	1.4	354	21
06/07/24 23:20	46	24	71	2	8.0	84	1.4	341	26

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/07/24 23:25	45	24	69	2	8.0	84	1.0	350	28
06/07/24 23:30	42	24	65	2	8.1	83	1.5	3	22
06/07/24 23:35	35	22	58	2	8.0	83	1.4	0	29
06/07/24 23:40	33	24	57	2	8.1	83	1.6	5	20
06/07/24 23:45	31	24	54	2	8.0	83	1.0	333	30
06/07/24 23:50	25	24	50		8.0	83	1.3	359	26
06/07/24 23:55	23	25	48		8.2	83	1.0	328	34
07/07/24 00:00	22	24	46	2	8.2	83	1.1	342	26
07/07/24 00:05	25	23	48	2	8.2	83	1.2	356	19
07/07/24 00:10	26	23	49	2	8.2	83	1.0	344	28
07/07/24 00:15	24	23	47	2	8.3	83	1.2	319	24
07/07/24 00:20	22	23	45	2	8.3	83	0.9	343	34
07/07/24 00:25	23	23	46	2	8.3	83	0.9	332	39
07/07/24 00:30	24	23	46	2	8.3	83	0.9	345	27
07/07/24 00:35	23	23	46	1	8.4	82	1.2	5	24
07/07/24 00:40	21	24	44	1	8.4	83	1.5	9	17
07/07/24 00:45	14	26	40	1	8.3	82	1.4	7	20
07/07/24 00:50	9	20	29	1	8.4	82	1.3	13	26
07/07/24 00:55	7	21	28	1	8.4	82	1.3	7	24
07/07/24 01:00	6	21	27	1	8.3	82	1.3	19	21
07/07/24 01:05					8.4	82	1.6	27	14
07/07/24 01:10					8.3	82	1.2	34	17
07/07/24 01:15					8.3	82	1.7	17	15
07/07/24 01:20					8.3	82	1.4	7	18
07/07/24 01:25					8.3	82	1.2	15	24
07/07/24 01:30					8.2	82	1.0	15	29
07/07/24 01:35					8.2	82	1.8	355	24
07/07/24 01:40					8.1	82	1.7	334	21
07/07/24 01:45					8.1	82	1.0	357	30
07/07/24 01:50					8.1	82	1.6	5	16
07/07/24 01:55					8.0	82	1.0	327	30
07/07/24 02:00					8.1	83	1.3	305	26
07/07/24 02:05	2	15	17	1	8.0	83	1.8	321	19
07/07/24 02:10	1	15	16	1	7.9	83	1.4	304	25
07/07/24 02:15	1	15	15	1	7.8	83	1.0	334	27
07/07/24 02:20	1	15	15	1	7.8	83	1.3	11	20
07/07/24 02:25	1	15	16	1	7.8	83	1.7	12	19
07/07/24 02:30	1	15	16	1	7.8	83	1.6	347	26
07/07/24 02:35	1	15	15	1	7.6	83	1.5	13	24
07/07/24 02:40	0	15	15	1	7.5	83	1.6	27	26
07/07/24 02:45	0	15	16	1	7.3	83	1.8	28	21
07/07/24 02:50	0	15	16	1	7.3	84	0.8	358	23
07/07/24 02:55	0	16	16	1	7.4	84	1.0	352	28
07/07/24 03:00	0	15	16	1	7.2	84	1.0	354	21
07/07/24 03:05	0	15	16	1	7.2	85	1.0	13	20
07/07/24 03:10	0	15	15	1	7.0	85	0.7	330	35
07/07/24 03:15	0	15	15	1	7.0	86	0.7	321	32
07/07/24 03:20	0	14	14	1	6.8	86	0.7	12	29
07/07/24 03:25	0	13	14	1	6.8	87	0.8	336	28
07/07/24 03:30	0	13	13	1	6.7	87	0.8	356	25
07/07/24 03:35	0	13	13	1	6.6	87	0.7	351	23
07/07/24 03:40	0	13	13	1	6.6	88	0.7	310	19
07/07/24 03:45	0	12	13	1	6.5	88	0.7	329	14
07/07/24 03:50	0	12	13	1	6.4	89	0.8	9	12
07/07/24 03:55	0	13	13	1	6.3	89	0.9	9	10
07/07/24 04:00	0	13	13	1	6.1	89	0.7	59	24
07/07/24 04:05	0	13	14	1	6.0	90	0.6	38	18
07/07/24 04:10	0	13	14	1	6.0	90	0.5	0	19
07/07/24 04:15	1	14	14	1	6.0	90	0.8	16	12
07/07/24 04:20	1	14	14	1	6.0	90	1.0	38	18
07/07/24 04:25	1	13	14	1	6.1	90	1.0	31	8
07/07/24 04:30	1	13	14	1	6.0	90	1.3	39	9
07/07/24 04:35	1	13	14	1	6.0	91	1.3	44	8
07/07/24 04:40	1	12	13	0	6.0	91	1.5	51	7
07/07/24 04:45	1	11	12	0	5.9	91	1.5	50	6
07/07/24 04:50	1	10	11	0	6.0	91	1.3	62	14
07/07/24 04:55	0	10	10	0	6.1	91	1.3	70	12
07/07/24 05:00	0	9	9	0	6.0	91	1.2	60	10
07/07/24 05:05	0	8	8	0	5.9	92	1.6	70	13
07/07/24 05:10	0	7	8	0	6.0	92	1.5	73	11
07/07/24 05:15	0	7	7	0	6.1	91	1.5	88	11
07/07/24 05:20	0	6	7	1	6.0	92	2.0	93	8
07/07/24 05:25	2	6	8	1	5.9	92	2.1	82	12
07/07/24 05:30	0	4	5	0	5.9	92	1.9	74	11
07/07/24 05:35	0	4	4	0	6.0	92	2.0	75	12
07/07/24 05:40	0	4	4	0	5.9	92	2.3	75	11
07/07/24 05:45	0	4	4	0	5.9	92	2.2	76	9
07/07/24 05:50	0	4	4	1	5.9	92	1.8	66	14
07/07/24 05:55	0	4	4	1	5.8	92	1.9	65	14
07/07/24 06:00	0	4	4	1	5.7	93	2.4	58	12
07/07/24 06:05	0	4	4	1	5.6	93	2.2	57	10
07/07/24 06:10	0	4	5	1	5.6	94	1.9	49	11
07/07/24 06:15	0	5	5	1	5.6	94	1.4	66	16
07/07/24 06:20	0	5	5	1	5.4	94	1.6	78	16
07/07/24 06:25	0	5	5	1	5.3	95	2.0	56	12
07/07/24 06:30	0	5	5	1	5.4	95	2.1	75	15

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
07/07/24 06:35	0	5	5	1	5.3	95	1.8	81	12
07/07/24 06:40	0	5	5	0	5.3	95	2.1	86	11
07/07/24 06:45	0	5	5	0	5.2	95	1.9	72	14
07/07/24 06:50	0	5	5	0	5.2	95	1.9	74	15
07/07/24 06:55	0	5	5	0	5.2	95	1.9	85	13
07/07/24 07:00	0	5	5	0	5.1	96	2.2	76	10
07/07/24 07:05	0	5	5	0	5.0	96	1.5	66	17
07/07/24 07:10	0	5	6	0	4.9	96	1.5	63	16
07/07/24 07:15	1	5	6	0	4.8	96	1.3	82	13
07/07/24 07:20	1	6	6	0	4.8	96	2.1	89	8
07/07/24 07:25	1	6	6	0	4.7	97	2.2	92	6
07/07/24 07:30	1	6	6	0	4.6	97	1.5	80	11
07/07/24 07:35	1	6	6	0	4.6	97	1.7	47	14
07/07/24 07:40	1	6	7	0	4.5	97	1.3	37	14
07/07/24 07:45	1	7	8	0	4.5	97	0.9	18	26
07/07/24 07:50	1	7	8	0	4.5	97	0.4	33	24
07/07/24 07:55	1	8	9	0	4.5	97	0.3	18	39
07/07/24 08:00	2	8	10	0	4.6	97	0.5	51	15
07/07/24 08:05	2	9	12	0	4.6	97	0.6	55	10
07/07/24 08:10	3	10	13	0	4.7	97	1.1	47	8
07/07/24 08:15	3	10	13	0	4.9	96	0.8	49	12
07/07/24 08:20	4	10	13	1	5.1	95	0.8	51	19
07/07/24 08:25	4	10	14	1	5.3	94	1.1	46	10
07/07/24 08:30	4	9	14	0	5.2	93	0.8	39	12
07/07/24 08:35	5	9	14	0	5.4	92	0.8	30	12
07/07/24 08:40	5	9	14	0	5.5	92	0.8	52	15
07/07/24 08:45	6	9	15	1	5.6	92	0.4	40	30
07/07/24 08:50	7	10	16	1	5.9	91	0.5	337	23
07/07/24 08:55	8	10	17	1	5.9	91	0.8	295	25
07/07/24 09:00	8	10	18	1	5.8	92	0.8	310	17
07/07/24 09:05	9	9	18	1	5.7	92	1.3	305	14
07/07/24 09:10	9	9	19	1	5.4	93	1.1	305	13
07/07/24 09:15	10	9	19	1	5.4	93	1.0	292	14
07/07/24 09:20	10	9	20	1	5.8	93	0.8	280	16
07/07/24 09:25	11	9	20	1	6.0	91	0.6	288	32
07/07/24 09:30	12	9	21	1	6.3	90	0.2	23	78
07/07/24 09:35	12	9	21	1	6.9	88	0.6	108	18
07/07/24 09:40	11	9	20	1	7.4	86	0.4	128	34
07/07/24 09:45	11	9	20	1	7.8	83	0.8	185	26
07/07/24 09:50	12	9	21	1	7.8	83	0.5	181	32
07/07/24 09:55	12	9	21	1	7.9	81	0.6	224	29
07/07/24 10:00	12	9	21	0	8.1	81	0.6	131	31
07/07/24 10:05	12	9	20	1	8.6	78	0.4	137	41
07/07/24 10:10	11	8	20	1	9.1	75	0.2	138	56
07/07/24 10:15	11	8	19	1	9.2	74	0.2	133	69
07/07/24 10:20	11	8	19	1	9.4	73	0.6	230	31
07/07/24 10:25	10	8	19	1	8.5	76	0.9	228	11
07/07/24 10:30	10	8	18	1	8.1	78	1.1	230	7
07/07/24 10:35	10	8	18	1	7.9	80	1.2	224	6
07/07/24 10:40	10	8	18	1	7.8	81	1.3	225	7
07/07/24 10:45	10	8	17	1	7.8	83	1.4	227	6
07/07/24 10:50	10	7	17	1	7.8	84	1.3	240	9
07/07/24 10:55	10	7	17	1	7.7	84	1.3	234	6
07/07/24 11:00	10	7	17	0	7.7	84	1.5	239	6
07/07/24 11:05	10	7	17	1	7.7	84	1.5	242	10
07/07/24 11:10	10	8	18	1	7.9	83	1.2	242	13
07/07/24 11:15	10	8	18	1	8.0	82	1.2	243	14
07/07/24 11:20	11	8	18	1	8.1	81	1.3	220	8
07/07/24 11:25	12	8	20	1	8.3	80	1.5	211	8
07/07/24 11:30	13	9	22	1	8.4	79	1.2	212	7
07/07/24 11:35	14	11	25	1	8.6	78	1.3	204	8
07/07/24 11:40	15	11	26	1	9.0	77	1.0	191	18
07/07/24 11:45	15	11	26	1	9.7	75	0.6	147	30
07/07/24 11:50	15	10	25	1	10.5	69	0.7	159	31
07/07/24 11:55	14	10	24	1	10.6	67	1.2	153	20
07/07/24 12:00	12	6	18	1	10.6	68	1.0	159	27
07/07/24 12:05	8	6	15	1	10.8	68	1.2	154	25
07/07/24 12:10	8	7	15	1	10.8	69	1.1	155	27
07/07/24 12:15	9	7	16	1	10.8	68	1.1	159	25
07/07/24 12:20	9	7	16	1	10.9	69	1.1	159	22
07/07/24 12:25	9	7	16	1	11.1	68	1.1	153	26
07/07/24 12:30	9	7	16	1	11.3	67	1.1	154	24
07/07/24 12:35	9	7	16	1	11.4	67	1.2	153	23
07/07/24 12:40	8	7	16	1	11.4	68	1.0	159	29
07/07/24 12:45	8	7	15	1	11.4	67	1.2	152	17
07/07/24 12:50	8	7	15	1	11.3	68	1.5	139	16
07/07/24 12:55	8	7	15	1	11.2	69	1.3	129	21
07/07/24 13:00	8	7	15	1	11.3	69	1.2	143	22
07/07/24 13:05	8	7	15	1	11.5	69	1.0	152	30
07/07/24 13:10	8	7	16	1	11.7	69	1.3	146	22
07/07/24 13:15	8	7	16	1	11.7	70	1.5	149	20
07/07/24 13:20	8	8	16	1	11.7	71	1.1	156	30
07/07/24 13:25	8	8	16	1	11.8	71	0.9	165	23
07/07/24 13:30	8	8	16	1	12.0	71	1.3	154	22
07/07/24 13:35	8	8	16	1	12.1	70	0.7	172	36
07/07/24 13:40	8	9	17	1	11.9	72	1.1	192	28

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
07/07/24 13:45	9	10	18	1	12.2	71	0.8	158	34
07/07/24 13:50	9	10	20	1	12.6	69	0.8	152	39
07/07/24 13:55	10	11	21	1	12.4	71	0.8	217	33
07/07/24 14:00	10	11	21	1	12.6	73	0.7	175	35
07/07/24 14:05	10	11	21	1	12.9	71	0.9	146	29
07/07/24 14:10	10	11	21	1	13.2	70	0.4	198	46
07/07/24 14:15	10	11	21	1	12.7	74	1.6	264	14
07/07/24 14:20	10	12	21	1	12.1	78	1.1	248	17
07/07/24 14:25	10	12	22	1	12.4	77	0.9	212	21
07/07/24 14:30	9	12	21	1	12.5	76	1.0	235	11
07/07/24 14:35	9	12	21	1	12.8	75	1.2	209	20
07/07/24 14:40	8	12	20	1	13.3	70	0.8	122	28
07/07/24 14:45	8	11	19	1	14.3	65	0.4	134	52
07/07/24 14:50	8	11	19	1	14.9	62	0.4	109	58
07/07/24 14:55	7	11	18	1	15.3	56	1.6	53	33
07/07/24 15:00	5	8	14	1	16.3	45	2.8	35	19
07/07/24 15:05	4	3	7	1	16.7	44	2.5	10	21
07/07/24 15:10	2	3	6	1	16.7	44	1.7	9	35
07/07/24 15:15	2	4	6	1	16.6	44	1.6	358	39
07/07/24 15:20	2	5	7	1	16.6	45	1.7	19	30
07/07/24 15:25	2	6	8	1	16.6	45	1.4	27	26
07/07/24 15:30	2	6	7	1	16.7	44	2.1	30	21
07/07/24 15:35	1	5	6	1	16.7	44	1.8	31	18
07/07/24 15:40	1	5	6	1	16.8	44	1.8	55	30
07/07/24 15:45	1	5	6	1	16.7	44	3.0	61	16
07/07/24 15:50	1	5	5	1	16.3	46	2.9	52	12
07/07/24 15:55	1	5	6	1	16.0	47	2.6	59	13
07/07/24 16:00	1	5	6	1	15.9	48	2.1	64	17
07/07/24 16:05	1	5	6	1	15.8	48	1.7	54	15
07/07/24 16:10	1	6	7	1	15.7	49	1.9	58	14
07/07/24 16:15	1	6	7	1	15.7	49	2.2	63	18
07/07/24 16:20	1	6	7	1	15.5	49	2.6	70	17
07/07/24 16:25	1	6	6	1	15.5	49	1.9	76	13
07/07/24 16:30	1	5	6	1	15.4	50	1.7	70	13
07/07/24 16:35	1	6	6	1	15.3	50	1.9	70	20
07/07/24 16:40	1	7	7	1	15.1	51	1.7	69	13
07/07/24 16:45	1	8	8	1	15.1	51	1.3	53	13
07/07/24 16:50	1	9	10	1	14.9	52	1.2	57	10
07/07/24 16:55	1	13	14	1	14.8	53	1.0	65	10
07/07/24 17:00	1	14	15	1	14.6	54	0.8	76	16
07/07/24 17:05	1	15	16	1	14.4	55	1.3	84	8
07/07/24 17:10	1	16	17	1	14.2	56	1.2	77	12
07/07/24 17:15	2	19	20	1	14.1	56	1.4	85	11
07/07/24 17:20	2	18	20	1	14.0	56	1.3	84	9
07/07/24 17:25	1	19	20	1	13.7	57	1.4	84	7
07/07/24 17:30	1	20	22	1	13.7	57	1.7	89	6
07/07/24 17:35	1	21	23	1	13.5	58	1.6	89	5
07/07/24 17:40	2	22	24	1	13.3	58	1.7	90	4
07/07/24 17:45	2	23	24	1	13.1	59	1.9	91	4
07/07/24 17:50	2	23	24	1	13.1	59	2.2	92	4
07/07/24 17:55	2	23	25	1	13.1	60	2.3	91	4
07/07/24 18:00	2	24	26	1	13.0	60	1.9	88	6
07/07/24 18:05	2	23	25	1	13.1	59	1.8	80	9
07/07/24 18:10	2	22	24	1	13.1	59	1.8	84	6
07/07/24 18:15	1	21	23	1	13.1	59	1.8	76	8
07/07/24 18:20	1	21	22	1	13.0	59	1.5	87	6
07/07/24 18:25	1	22	23	1	13.0	60	1.5	85	5
07/07/24 18:30	1	23	24	1	12.8	60	1.5	87	7
07/07/24 18:35	2	24	26	1	12.6	61	2.0	88	5
07/07/24 18:40	2	26	28	1	12.7	61	1.7	88	7
07/07/24 18:45	3	28	31	1	12.6	61	1.8	83	9
07/07/24 18:50	3	28	31	1	12.5	61	1.5	84	12
07/07/24 18:55	3	28	32	1	12.4	62	1.9	76	12
07/07/24 19:00	3	28	31	1	12.4	61	1.5	81	10
07/07/24 19:05	3	27	30	1	12.2	62	1.6	79	11
07/07/24 19:10	3	27	30	1	12.2	62	1.9	83	11
07/07/24 19:15	3	27	30	1	12.1	62	1.8	76	10
07/07/24 19:20	4	27	31	1	11.9	63	1.4	65	9
07/07/24 19:25	9	27	36	1	11.7	64	1.6	67	10
07/07/24 19:30	9	29	38	1	11.8	64	1.5	63	12
07/07/24 19:35	11	31	42	1	11.7	65	1.7	69	10
07/07/24 19:40	12	31	43	1	11.7	65	1.7	77	10
07/07/24 19:45	11	30	41	1	11.9	64	2.0	71	9
07/07/24 19:50	10	30	40	1	11.8	64	1.6	70	9
07/07/24 19:55	11	30	42	1	11.4	66	1.4	61	11
07/07/24 20:00	14	29	44	1	11.1	68	1.6	57	6
07/07/24 20:05	12	29	41	1	11.5	66	1.4	68	9
07/07/24 20:10	13	28	41	1	11.4	67	1.2	88	13
07/07/24 20:15	16	28	44	1	11.1	68	1.6	107	5
07/07/24 20:20	17	28	45	1	10.8	70	1.4	94	14
07/07/24 20:25	17	28	45	1	10.6	70	1.3	90	8
07/07/24 20:30	18	28	46	1	10.4	72	1.2	88	11
07/07/24 20:35	22	27	49	1	10.2	73	1.5	101	6
07/07/24 20:40	19	28	47	1	10.2	73	1.7	100	7
07/07/24 20:45	18	28	45	1	10.3	73	2.0	89	11
07/07/24 20:50	9	28	37	1	10.5	72	2.1	82	13

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
07/07/24 20:55	3	20	23	1	10.7	71	2.4	82	13
07/07/24 21:00	2	20	22	1	10.7	71	1.9	85	14
07/07/24 21:05	2	20	22	1	10.6	72	1.6	75	15
07/07/24 21:10	2	20	21	1	10.5	72	1.7	60	14
07/07/24 21:15	2	19	21	1	10.5	72	1.7	60	11
07/07/24 21:20	2	19	21	1	10.3	72	0.9	36	21
07/07/24 21:25	2	20	22	1	10.1	73	0.7	4	15
07/07/24 21:30	4	25	29	1	10.0	74	1.0	39	9
07/07/24 21:35	5	23	28	1	10.1	74	1.0	33	7
07/07/24 21:40	5	21	26	1	10.2	73	0.7	25	11
07/07/24 21:45	5	20	25	1	10.2	73	0.4	30	61
07/07/24 21:50	17	23	40	1	10.3	76	0.4	266	21
07/07/24 21:55	31	27	58	1	10.0	77	0.7	310	18
07/07/24 22:00	32	26	58	1	9.8	76	0.4	317	21
07/07/24 22:05	31	26	57	1	9.6	77	0.9	310	11
07/07/24 22:10	31	25	57	1	9.6	77	0.4	274	39
07/07/24 22:15	32	25	57	1	9.7	80	0.4	256	32
07/07/24 22:20	32	25	56	1	9.5	78	0.6	288	16
07/07/24 22:25	31	24	55	1	9.5	79	0.8	289	11
07/07/24 22:30	30	24	55	1	9.4	79	0.5	311	17
07/07/24 22:35	30	24	54	1	9.3	79	0.4	305	26
07/07/24 22:40	30	24	54	1	9.0	79	0.3	336	41
07/07/24 22:45	32	24	57	1	8.8	80	0.8	5	11
07/07/24 22:50	34	24	59	2	8.7	80	0.7	344	16
07/07/24 22:55	37	24	60	2	8.5	81	0.9	358	8
07/07/24 23:00	39	23	63	2	8.6	81	0.9	357	10
07/07/24 23:05	40	24	64	2	8.7	81	1.0	9	9
07/07/24 23:10	48	24	72	2	8.5	81	1.3	9	8
07/07/24 23:15	43	24	67	2	8.5	82	1.0	333	8
07/07/24 23:20	28	26	54	2	8.6	82	1.0	341	4
07/07/24 23:25	28	21	49	2	8.7	81	1.0	11	8
07/07/24 23:30	39	24	63	1	8.4	82	1.0	24	12
07/07/24 23:35	40	28	68	1	8.0	83	0.5	24	9
07/07/24 23:40	40	28	68	2	7.9	85	0.3	82	23
07/07/24 23:45	41	27	69	1	8.0	85	0.7	73	13
07/07/24 23:50	39	26	66		7.8	85	1.1	74	4
07/07/24 23:55	60	25	85		7.6	85	1.5	59	7
08/07/24 00:00	34	23	56	1	7.6	85	1.4	68	10
08/07/24 00:05	27	21	49	1	7.7	85	1.3	64	13
08/07/24 00:10	19	20	39	1	7.9	84	1.4	55	9
08/07/24 00:15	20	22	42	1	8.0	83	1.3	43	14
08/07/24 00:20	20	21	42	1	7.9	84	1.0	355	21
08/07/24 00:25	18	20	38	1	8.2	84	1.1	302	13
08/07/24 00:30	22	19	42	1	8.4	83	0.9	310	14
08/07/24 00:35	35	21	55	1	8.3	83	1.1	313	15
08/07/24 00:40	39	20	58	1	8.4	83	1.7	322	12
08/07/24 00:45	45	18	62	1	8.3	83	1.9	326	15
08/07/24 00:50	50	20	70	1	8.1	83	2.0	333	13
08/07/24 00:55	51	20	71	1	8.1	83	1.9	343	20
08/07/24 01:00	51	19	71	1	8.0	83	2.0	358	11
08/07/24 01:05					7.8	84	1.8	349	17
08/07/24 01:10					7.8	84	1.7	350	13
08/07/24 01:15					7.8	84	1.6	342	13
08/07/24 01:20					7.7	84	1.7	343	13
08/07/24 01:25					7.7	84	1.7	341	13
08/07/24 01:30					7.8	83	2.0	337	9
08/07/24 01:35					7.9	83	1.6	347	12
08/07/24 01:40					8.1	82	1.1	348	17
08/07/24 01:45					8.1	82	1.0	3	18
08/07/24 01:50					8.0	82	1.2	3	8
08/07/24 01:55					8.1	82	1.1	1	15
08/07/24 02:00					8.1	82	1.2	5	11
08/07/24 02:05	48	22	70	1	8.2	82	1.1	16	19
08/07/24 02:10	49	22	70	1	8.1	82	1.0	23	12
08/07/24 02:15	49	21	71	1	8.0	83	1.0	8	11
08/07/24 02:20	49	21	71	1	8.0	83	1.0	24	9
08/07/24 02:25	49	21	70	1	8.0	82	0.5	33	30
08/07/24 02:30	49	21	70	1	7.9	82	0.4	16	24
08/07/24 02:35	48	21	69	1	8.0	82	0.4	32	20
08/07/24 02:40	48	21	69	1	8.1	82	0.4	57	19
08/07/24 02:45	48	21	69	1	8.1	82	0.1	41	63
08/07/24 02:50	43	25	67	1	8.2	82	0.2	290	15
08/07/24 02:55	39	26	66	1	8.3	82	0.2	25	33
08/07/24 03:00	40	24	65	1	8.3	82	0.2	17	25
08/07/24 03:05	40	23	63	1	8.3	82	0.3	28	15
08/07/24 03:10	39	23	62	1	8.3	82	0.1	355	57
08/07/24 03:15	39	22	62	1	8.3	81	0.2	260	20
08/07/24 03:20	39	22	61	1	8.2	81	0.1	194	56
08/07/24 03:25	39	22	61	1	8.3	82	0.2	164	18
08/07/24 03:30	38	21	59	1	8.2	82	0.3	248	27
08/07/24 03:35	36	21	58	1	8.5	83	0.5	265	12
08/07/24 03:40	36	21	57	1	8.7	83	0.7	277	9
08/07/24 03:45	36	21	57	1	8.7	81	0.5	283	16
08/07/24 03:50	36	21	56	1	8.8	81	0.3	266	23
08/07/24 03:55	36	20	56	1	8.7	81	0.4	263	10
08/07/24 04:00	35	20	55	1	8.7	81	0.4	258	9

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/07/24 04:05	34	20	54	1	8.7	81	0.2	257	27
08/07/24 04:10	34	20	54	1	8.6	81	0.1	275	23
08/07/24 04:15	35	20	54	1	8.6	82	0.0	293	97
08/07/24 04:20	35	19	55	1	8.6	81	0.1	282	59
08/07/24 04:25	36	19	55	1	8.6	81	0.1	284	58
08/07/24 04:30	37	19	57	1	8.6	80	0.2	325	37
08/07/24 04:35	38	20	57	1	8.6	80	0.1	297	45
08/07/24 04:40	38	20	58	1	8.6	80	0.1	32	71
08/07/24 04:45	37	20	57	1	8.6	80	0.4	48	28
08/07/24 04:50	35	21	56	1	8.7	81	0.5	37	19
08/07/24 04:55	22	27	49	1	8.8	78	0.7	29	20
08/07/24 05:00	25	21	45	1	9.0	77	0.8	31	20
08/07/24 05:05	27	20	48	1	9.0	77	1.0	20	11
08/07/24 05:10	25	21	46	1	9.1	76	1.0	25	18
08/07/24 05:15	23	22	45	1	9.2	76	1.0	21	10
08/07/24 05:20	25	21	45	1	9.1	76	1.0	35	19
08/07/24 05:25	25	21	46	1	9.1	76	1.0	42	14
08/07/24 05:30	25	20	45	1	9.1	77	1.2	47	11
08/07/24 05:35	23	20	43	1	9.2	77	1.1	39	15
08/07/24 05:40	21	22	43	1	9.3	76	1.3	39	13
08/07/24 05:45	18	23	40	1	9.4	75	1.4	38	13
08/07/24 05:50	16	21	37	1	9.5	75	1.4	41	10
08/07/24 05:55	15	20	36	2	9.6	75	1.1	26	16
08/07/24 06:00	15	20	35	1	9.7	74	0.7	16	33
08/07/24 06:05	15	23	38	1	10.0	75	0.9	273	36
08/07/24 06:10	58	24	82	2	10.1	78	1.8	256	9
08/07/24 06:15	64	24	88	2	10.2	79	1.5	236	9
08/07/24 06:20	76	20	97	2	10.1	77	1.2	252	7
08/07/24 06:25	72	22	94	2	10.1	79	0.9	247	10
08/07/24 06:30	75	24	99	2	10.0	78	0.3	247	28
08/07/24 06:35	75	21	96	2	9.7	79	0.2	132	65
08/07/24 06:40	84	23	106	2	9.6	78	0.4	48	38
08/07/24 06:45	68	22	91	2	9.4	79	0.3	100	46
08/07/24 06:50	26	22	48	2	9.5	77	0.6	29	24
08/07/24 06:55	34	27	61	1	9.6	78	0.4	25	27
08/07/24 07:00	46	26	72	2	9.6	78	0.2	341	57
08/07/24 07:05	73	22	95	2	9.6	81	0.7	253	12
08/07/24 07:10	88	26	114	2	9.5	83	0.8	260	10
08/07/24 07:15	112	29	140	2	9.2	83	0.9	261	10
08/07/24 07:20	115	29	144	2	9.2	83	1.4	265	7
08/07/24 07:25	125	30	155	2	9.2	82	1.3	270	6
08/07/24 07:30	144	27	171	2	9.1	83	0.8	282	11
08/07/24 07:35	164	33	197	2	9.0	82	1.0	273	10
08/07/24 07:40	169	31	199	2	8.9	81	0.3	260	22
08/07/24 07:45	161	33	194	2	8.7	82	0.1	208	61
08/07/24 07:50	210	34	244	3	8.7	83	0.1	185	61
08/07/24 07:55	198	30	228	3	8.8	84	0.4	225	13
08/07/24 08:00	182	27	209	3	8.8	83	0.5	221	9
08/07/24 08:05	210	40	250	3	9.1	86	0.9	237	10
08/07/24 08:10	188	34	222	3	9.5	83	1.1	253	6
08/07/24 08:15	185	35	220	3	9.7	82	0.7	277	12
08/07/24 08:20	189	37	226	3	9.6	80	0.6	284	16
08/07/24 08:25	189	36	225	3	9.6	80	0.3	292	14
08/07/24 08:30	190	35	225	3	9.5	80	0.3	293	16
08/07/24 08:35	190	34	224	3	9.4	80	0.3	56	35
08/07/24 08:40	196	31	227	3	9.3	81	0.6	54	11
08/07/24 08:45	209	28	237	3	9.2	81	0.4	53	13
08/07/24 08:50	208	34	241	3	9.3	80	0.6	93	11
08/07/24 08:55	168	38	205	3	9.4	80	0.5	105	14
08/07/24 09:00	161	33	193	3	9.7	80	0.6	96	22
08/07/24 09:05	144	31	175	3	9.9	80	0.4	72	27
08/07/24 09:10	89	28	116	3	10.2	78	0.8	52	18
08/07/24 09:15	128	31	159	3	10.4	78	0.5	307	37
08/07/24 09:20	147	32	178	3	10.4	80	0.6	297	20
08/07/24 09:25	160	28	188	3	10.4	81	0.9	284	16
08/07/24 09:30	171	34	205	3	10.5	82	1.1	280	11
08/07/24 09:35	169	32	201	3	10.6	82	1.0	274	11
08/07/24 09:40	146	35	180	3	10.7	81	1.1	278	11
08/07/24 09:45	129	30	159	3	10.7	78	0.8	283	22
08/07/24 09:50	133	29	162	3	10.9	76	1.0	264	16
08/07/24 09:55	186	32	217	3	11.1	78	1.3	256	7
08/07/24 10:00	235	39	274	3	11.3	77	1.5	253	4
08/07/24 10:05	245	43	288	3	11.3	78	1.7	255	4
08/07/24 10:10	210	34	244	3	11.4	78	1.8	250	5
08/07/24 10:15	132	34	165	3	11.6	78	1.7	241	4
08/07/24 10:20	72	26	98	3	11.7	81	1.8	233	3
08/07/24 10:25	50	24	74	3	11.5	82	2.0	236	4
08/07/24 10:30	42	24	66	2	11.5	81	1.5	233	4
08/07/24 10:35	39	24	63	2	11.6	80	0.8	186	46
08/07/24 10:40	30	22	52	2	12.7	72	2.7	51	21
08/07/24 10:45	5	13	18	2	14.6	63	2.7	50	16
08/07/24 10:50	5	13	18	2	15.1	61	2.6	47	22
08/07/24 10:55	6	14	19	2	15.1	60	2.3	53	17
08/07/24 11:00	6	15	21	2	15.2	60	2.3	52	19
08/07/24 11:05	7	17	23	2	15.2	60	2.1	63	12
08/07/24 11:10	8	19	27	2	15.1	60	2.2	69	14

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/07/24 11:15	10	21	31	2	15.1	61	1.9	63	16
08/07/24 11:20	10	21	31	2	15.3	61	2.2	52	14
08/07/24 11:25	11	20	31	2	15.5	60	2.1	59	15
08/07/24 11:30	11	20	30	2	15.6	60	2.4	62	15
08/07/24 11:35	11	20	30	2	15.7	60	1.5	51	18
08/07/24 11:40	11	19	30	2	15.7	60	1.0	30	35
08/07/24 11:45	11	19	31	2	15.8	60	1.0	33	27
08/07/24 11:50	12	19	31	2	15.9	60	1.4	22	14
08/07/24 11:55	11	19	30	2	15.9	60	1.7	35	17
08/07/24 12:00	11	19	30	2	16.1	59	1.5	31	17
08/07/24 12:05	10	19	29	2	16.2	59	1.8	16	23
08/07/24 12:10	9	17	26	2	16.5	57	2.8	20	17
08/07/24 12:15	5	11	16	2	16.5	57	2.4	33	21
08/07/24 12:20	4	10	14	2	16.6	57	2.1	35	15
08/07/24 12:25	3	11	14	2	16.7	57	2.8	33	16
08/07/24 12:30	3	10	13	2	16.7	57	2.4	36	19
08/07/24 12:35	3	10	12	2	16.8	57	3.4	34	16
08/07/24 12:40	3	9	12	2	16.8	57	2.5	38	16
08/07/24 12:45	3	9	12	2	16.8	57	2.3	43	21
08/07/24 12:50	3	9	12	2	17.0	56	2.1	27	26
08/07/24 12:55	3	9	12	2	17.3	56	2.2	40	26
08/07/24 13:00	3	9	12	2	17.3	55	2.5	54	22
08/07/24 13:05	3	9	12	2	17.4	55	1.9	52	30
08/07/24 13:10	3	8	12	2	17.5	55	4.3	37	17
08/07/24 13:15	3	8	11	2	17.2	57	4.1	40	18
08/07/24 13:20	2	7	10	2	17.0	58	3.8	36	14
08/07/24 13:25	2	7	9	2	16.8	59	3.9	40	14
08/07/24 13:30	2	7	9	2	16.7	60	3.7	44	14
08/07/24 13:35	2	7	9	1	16.7	60	4.4	22	15
08/07/24 13:40	2	7	9	1	16.6	61	3.3	36	18
08/07/24 13:45	2	7	9	1	16.6	61	4.1	38	17
08/07/24 13:50	2	7	9	1	16.7	61	3.0	36	24
08/07/24 13:55	2	7	9	1	16.7	61	4.6	42	19
08/07/24 14:00	2	7	9	1	16.6	61	4.5	38	16
08/07/24 14:05	2	7	8	1	16.5	62	4.5	37	17
08/07/24 14:10	2	7	8	1	16.5	62	4.1	36	21
08/07/24 14:15	2	6	8	1	16.6	62	5.2	31	18
08/07/24 14:20	1	6	7	1	16.5	62	5.3	53	19
08/07/24 14:25	1	6	7	1	16.5	63	4.9	32	16
08/07/24 14:30	1	6	7	1	16.5	63	4.8	32	19
08/07/24 14:35	1	5	6	1	16.4	64	4.6	43	17
08/07/24 14:40	1	5	6	1	16.4	64	4.5	42	17
08/07/24 14:45	1	5	6	1	16.4	64	4.0	42	16
08/07/24 14:50	1	5	6	1	16.3	65	4.1	43	20
08/07/24 14:55	1	5	6	1	16.4	65	4.5	38	13
08/07/24 15:00	1	6	7	1	16.3	65	3.5	33	17
08/07/24 15:05	1	6	7	1	16.3	65	4.3	37	16
08/07/24 15:10	1	6	8	1	16.3	65	3.3	32	20
08/07/24 15:15	1	6	7	1	16.3	66	3.7	24	15
08/07/24 15:20	1	6	8	1	16.3	66	3.7	39	13
08/07/24 15:25	1	6	8	1	16.3	66	3.5	34	15
08/07/24 15:30	1	6	7	1	16.2	66	3.6	28	16
08/07/24 15:35	2	6	8	1	16.3	66	3.3	35	16
08/07/24 15:40	2	6	8	1	16.3	66	4.6	28	14
08/07/24 15:45	2	7	8	1	16.5	66	3.2	33	15
08/07/24 15:50	1	7	8	1	16.4	66	4.6	31	16
08/07/24 15:55	1	6	8	1	16.4	67	2.8	17	23
08/07/24 16:00	1	7	8	1	16.3	67	2.9	32	21
08/07/24 16:05	1	7	8	1	16.3	67	3.7	25	18
08/07/24 16:10	1	7	8	1	16.1	68	3.1	33	17
08/07/24 16:15	1	7	8	1	16.1	68	2.6	15	16
08/07/24 16:20	1	8	9	1	16.1	68	2.9	22	18
08/07/24 16:25	1	9	10	1	16.1	68	2.2	18	20
08/07/24 16:30	1	10	11	1	16.0	69	2.0	23	21
08/07/24 16:35	1	10	11	1	16.0	69	1.8	3	24
08/07/24 16:40	1	11	12	1	16.0	71	1.7	23	28
08/07/24 16:45	1	12	13	1	15.8	70	2.6	38	15
08/07/24 16:50	1	12	13	1	15.8	70	2.6	29	21
08/07/24 16:55	1	12	13	1	15.8	70	2.9	28	20
08/07/24 17:00	1	12	13	1	15.7	70	3.6	25	17
08/07/24 17:05	1	12	12	1	15.7	70	2.5	24	26
08/07/24 17:10	1	11	12	1	15.6	70	3.5	24	16
08/07/24 17:15	1	11	12	1	15.6	70	3.4	29	16
08/07/24 17:20	1	11	12	1	15.7	70	3.7	24	13
08/07/24 17:25	1	11	11	1	15.7	70	2.5	16	22
08/07/24 17:30	1	11	12	1	15.6	70	2.6	14	19
08/07/24 17:35	1	11	12	1	15.6	70	2.2	10	25
08/07/24 17:40	1	11	12	1	15.6	70	3.0	13	26
08/07/24 17:45	1	11	11	1	15.5	70	3.7	6	19
08/07/24 17:50	1	10	11	1	15.6	71	3.1	353	28
08/07/24 17:55	1	10	11	1	15.4	71	2.3	347	33
08/07/24 18:00	1	11	12	1	15.3	72	2.2	358	32
08/07/24 18:05	1	11	12	1	15.2	72	2.1	352	31
08/07/24 18:10	1	11	12	1	15.2	73	1.8	359	31
08/07/24 18:15	1	11	12	1	15.2	73	2.7	359	26
08/07/24 18:20	1	11	12	1	15.1	73	2.3	350	26

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/07/24 18:25	1	12	13	1	15.1	74	1.8	357	27
08/07/24 18:30	1	13	14	1	15.0	74	2.5	1	19
08/07/24 18:35	1	14	15	1	14.9	75	2.2	6	19
08/07/24 18:40	1	13	14	1	14.9	75	2.2	4	22
08/07/24 18:45	1	13	14	1	14.7	75	2.3	11	26
08/07/24 18:50	1	13	14	1	14.8	75	2.4	6	17
08/07/24 18:55	1	13	14	1	14.8	75	1.7	7	25
08/07/24 19:00	1	13	13	1	14.7	74	2.1	7	23
08/07/24 19:05	1	12	13	1	14.8	74	2.2	5	25
08/07/24 19:10	1	12	12	1	14.7	74	2.1	13	20
08/07/24 19:15	0	11	11	1	14.8	74	2.0	17	23
08/07/24 19:20	1	10	11	1	14.7	74	2.4	22	19
08/07/24 19:25	1	10	10	1	14.8	74	3.4	24	14
08/07/24 19:30	0	9	10	1	14.8	74	2.7	14	14
08/07/24 19:35	0	9	9	1	14.8	74	2.4	21	20
08/07/24 19:40	0	9	9	1	14.7	74	2.2	25	17
08/07/24 19:45	0	9	9	1	14.7	74	2.3	31	16
08/07/24 19:50	0	9	9	1	14.7	74	2.5	27	14
08/07/24 19:55	0	9	9	1	14.7	74	2.2	28	21
08/07/24 20:00	0	9	9	1	14.6	74	2.5	34	15
08/07/24 20:05	0	9	9	1	14.6	74	1.9	25	16
08/07/24 20:10	0	9	9	1	14.6	75	1.4	26	19
08/07/24 20:15	0	9	9	1	14.6	75	1.0	9	30
08/07/24 20:20	0	9	10	1	14.6	75	0.9	8	20
08/07/24 20:25	0	10	10	1	14.6	75	0.9	359	26
08/07/24 20:30	0	10	10	1	14.6	75	1.1	5	19
08/07/24 20:35	0	11	11	1	14.5	75	0.8	2	16
08/07/24 20:40	1	11	12	1	14.4	75	1.3	14	20
08/07/24 20:45	1	12	12	1	14.6	75	1.0	353	32
08/07/24 20:50	0	12	12	1	14.6	75	1.1	5	25
08/07/24 20:55	0	12	12	1	14.5	75	0.9	13	28
08/07/24 21:00	0	12	12	1	14.5	75	0.9	9	17
08/07/24 21:05	0	12	12	1	14.4	75	1.1	354	20
08/07/24 21:10	0	12	13	1	14.5	76	1.3	0	21
08/07/24 21:15	0	12	13	1	14.4	76	0.6	345	34
08/07/24 21:20	0	13	13	1	14.4	76	0.9	356	37
08/07/24 21:25	0	14	14	1	14.3	76	1.2	1	28
08/07/24 21:30	0	15	16	1	14.3	76	0.9	349	29
08/07/24 21:35	1	17	18	1	14.2	77	1.3	351	26
08/07/24 21:40	1	23	24	1	14.3	77	1.4	10	21
08/07/24 21:45	2	25	27	1	14.3	77	1.1	18	29
08/07/24 21:50	2	24	26	1	14.2	77	1.2	12	21
08/07/24 21:55	2	22	23	1	14.1	77	1.0	4	25
08/07/24 22:00	1	19	20	1	14.2	77	0.8	352	34
08/07/24 22:05	1	17	18	1	14.2	78	1.0	342	33
08/07/24 22:10	1	15	16	1	14.2	78	0.8	328	23
08/07/24 22:15	1	16	17	1	14.1	78	1.1	355	27
08/07/24 22:20	1	17	18	1	14.2	79	0.9	360	31
08/07/24 22:25	1	18	19	1	14.2	79	1.1	359	22
08/07/24 22:30	1	19	20	1	14.0	80	0.7	0	32
08/07/24 22:35	1	19	20	1	13.9	82	1.1	4	22
08/07/24 22:40	1	19	20	1	13.8	82	1.0	1	20
08/07/24 22:45	1	19	20	1	13.8	83	0.8	3	26
08/07/24 22:50	1	19	20	1	13.7	83	0.2	326	57
08/07/24 22:55	1	19	20	1	13.6	84	0.4	285	25
08/07/24 23:00	1	20	21	1	13.5	86	0.5	282	19
08/07/24 23:05	1	21	22	1	13.4	86	0.5	286	17
08/07/24 23:10	1	21	23	1	13.3	87	0.5	305	18
08/07/24 23:15	1	22	24	1	13.1	88	0.5	304	10
08/07/24 23:20	2	23	25	1	13.1	89	0.5	313	10
08/07/24 23:25	3	24	27	1	13.1	90	0.6	329	11
08/07/24 23:30	4	26	30	1	13.1	90	0.3	317	13
08/07/24 23:35	5	27	32	1	12.9	91	0.1	44	39
08/07/24 23:40	6	25	31	1	12.9	92	0.2	108	8
08/07/24 23:45	6	25	31	1	12.9	93	0.4	89	6
08/07/24 23:50	5	25	31		12.8	93	0.5	91	4
08/07/24 23:55	5	25	30		12.8	93	0.7	109	4
09/07/24 00:00	4	25	29	1	12.8	94	0.8	119	7
09/07/24 00:05	4	25	29	1	12.6	93	1.3	138	10
09/07/24 00:10	4	24	28	1	12.6	94	1.0	126	16
09/07/24 00:15	3	24	27	1	12.5	94	0.9	109	7
09/07/24 00:20	3	24	27	1	12.4	94	0.7	104	11
09/07/24 00:25	3	22	25	1	12.3	95	0.8	118	19
09/07/24 00:30	2	15	17	0	12.3	95	1.8	111	5
09/07/24 00:35	2	10	12	1	12.2	95	2.0	112	4
09/07/24 00:40	1	10	11	1	12.2	95	1.7	111	6
09/07/24 00:45	1	9	10	0	12.2	96	1.8	108	6
09/07/24 00:50	1	8	9	0	12.2	96	2.2	106	4
09/07/24 00:55	1	8	9	0	12.1	96	2.3	104	4
09/07/24 01:00	0	8	8	0	12.1	97	2.0	105	5
09/07/24 01:05					12.1	97	2.0	110	6
09/07/24 01:10					12.1	97	1.7	116	7
09/07/24 01:15					12.0	97	1.2	115	16
09/07/24 01:20					12.1	97	2.0	109	10
09/07/24 01:25					12.1	97	2.8	98	6
09/07/24 01:30					12.1	97	3.0	94	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/07/24 01:35					12.2	98	2.3	94	7
09/07/24 01:40					12.2	98	1.4	86	12
09/07/24 01:45					12.3	98	1.8	75	13
09/07/24 01:50					12.3	98	1.2	59	15
09/07/24 01:55					12.3	98	1.7	76	13
09/07/24 02:00					12.4	98	1.3	86	15
09/07/24 02:05	0	15	15	0	12.4	98	1.3	84	14
09/07/24 02:10	0	15	16	0	12.3	98	1.3	76	12
09/07/24 02:15	0	15	16	0	12.3	98	1.0	71	16
09/07/24 02:20	0	16	16	0	12.3	98	0.6	72	15
09/07/24 02:25	0	16	16	0	12.3	98	0.7	81	16
09/07/24 02:30	0	16	16	1	12.4	98	0.7	90	17
09/07/24 02:35	0	15	16	1	12.3	98	0.6	107	13
09/07/24 02:40	0	15	16	1	12.4	98	0.4	121	28
09/07/24 02:45	0	15	16	1	12.4	98	0.3	115	39
09/07/24 02:50	0	15	15	1	12.4	98	0.4	103	12
09/07/24 02:55	0	15	15	1	12.4	98	0.4	138	38
09/07/24 03:00	0	15	15	1	12.2	98	0.7	200	14
09/07/24 03:05	0	15	15	0	12.3	98	0.2	168	52
09/07/24 03:10	0	14	15	0	12.4	98	0.6	207	18
09/07/24 03:15	0	14	14	1	12.3	98	0.3	226	49
09/07/24 03:20	0	14	14	1	12.3	98	2.3	238	9
09/07/24 03:25	0	14	14	1	12.2	98	2.6	233	9
09/07/24 03:30	0	13	14	1	12.2	98	1.9	240	6
09/07/24 03:35	0	13	13	1	12.2	98	1.6	224	7
09/07/24 03:40	0	13	14	1	12.2	98	1.5	218	2
09/07/24 03:45	0	13	13	0	12.2	98	1.3	217	4
09/07/24 03:50	0	12	12	0	12.2	98	1.6	212	5
09/07/24 03:55	0	12	12	0	12.3	98	2.1	207	5
09/07/24 04:00	0	11	11	0	12.2	98	2.2	232	5
09/07/24 04:05	0	11	11	0	12.1	98	1.9	238	5
09/07/24 04:10	0	10	10	1	12.2	98	1.5	243	5
09/07/24 04:15	0	10	10	0	12.2	98	1.3	246	5
09/07/24 04:20	0	9	9	0	12.1	98	1.5	247	4
09/07/24 04:25	0	9	9	0	12.1	98	1.6	243	5
09/07/24 04:30	0	8	8	1	12.1	99	1.5	239	4
09/07/24 04:35	0	7	7	0	12.0	98	1.4	240	5
09/07/24 04:40	0	7	7	0	12.1	99	1.5	244	3
09/07/24 04:45	0	6	7	0	12.1	99	1.6	246	3
09/07/24 04:50	0	6	6	0	12.0	99	1.5	243	5
09/07/24 04:55	0	6	6	0	12.0	99	1.6	235	2
09/07/24 05:00	0	6	6	0	12.0	99	1.8	241	4
09/07/24 05:05	0	7	7	0	12.0	99	1.7	236	6
09/07/24 05:10	0	7	7	0	12.0	99	1.7	237	6
09/07/24 05:15	0	9	9	1	12.0	99	1.7	241	6
09/07/24 05:20	1	9	10	1	12.0	99	1.6	237	5
09/07/24 05:25	0	9	9	0	12.0	99	1.7	238	4
09/07/24 05:30	0	7	7	0	12.0	99	1.7	240	4
09/07/24 05:35	0	6	6	0	12.0	99	1.8	241	4
09/07/24 05:40	0	6	6	1	12.0	99	1.9	245	4
09/07/24 05:45	37	24	61	0	12.0	99	1.8	247	5
09/07/24 05:50	56	22	78	1	12.1	99	1.9	247	9
09/07/24 05:55	27	18	46	1	12.1	99	2.0	252	10
09/07/24 06:00	8	16	23	1	12.1	99	2.1	250	9
09/07/24 06:05	3	13	16	1	12.1	99	2.5	255	12
09/07/24 06:10	1	10	11	1	12.1	99	2.7	247	8
09/07/24 06:15	1	9	10	0	12.2	98	2.8	251	7
09/07/24 06:20	1	9	11	0	12.2	98	3.0	249	10
09/07/24 06:25	2	10	12	0	12.1	98	3.4	252	6
09/07/24 06:30	2	12	14	0	12.1	97	2.8	241	8
09/07/24 06:35	2	11	13	0	12.1	97	3.0	240	8
09/07/24 06:40	2	10	12	0	12.1	97	3.4	238	7
09/07/24 06:45	1	10	11	1	12.1	96	3.1	241	7
09/07/24 06:50	1	10	12	1	12.1	96	3.8	244	6
09/07/24 06:55	1	10	11	1	12.1	96	4.2	245	6
09/07/24 07:00	1	10	11	1	12.1	96	4.1	240	7
09/07/24 07:05	1	10	11	0	12.1	95	4.6	241	6
09/07/24 07:10	1	9	10	0	12.1	96	4.5	241	5
09/07/24 07:15	1	9	10	0	12.0	96	4.7	240	6
09/07/24 07:20	1	9	10	0	12.1	96	4.2	244	7
09/07/24 07:25	1	9	10	0	11.9	96	4.4	241	7
09/07/24 07:30	1	9	9	0	11.9	96	4.1	242	6
09/07/24 07:35	0	8	9	1	12.0	96	4.2	241	6
09/07/24 07:40	0	8	9	0	12.0	96	4.4	243	7
09/07/24 07:45	1	8	9	0	12.0	96	4.0	243	5
09/07/24 07:50	1	8	9	0	12.0	96	4.5	244	6
09/07/24 07:55	1	8	9	0	12.0	96	4.1	242	6
09/07/24 08:00	1	8	9	0	11.9	96	3.7	243	6
09/07/24 08:05	1	8	9	0	12.0	97	4.0	243	6
09/07/24 08:10	1	8	10	0	11.9	97	3.7	246	7
09/07/24 08:15	2	9	10	0	12.0	97	3.6	245	5
09/07/24 08:20	2	9	11	0	11.9	96	3.8	245	8
09/07/24 08:25	2	9	11	0	12.0	96	3.9	248	9
09/07/24 08:30	2	10	12	0	12.0	96	3.9	247	8
09/07/24 08:35	3	10	12	0	12.0	96	3.7	246	7
09/07/24 08:40	3	10	13	0	12.0	96	3.7	245	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/07/24 08:45	4	10	14	0	12.0	96	3.9	247	8
09/07/24 08:50	4	10	14	1	12.0	96	3.5	248	7
09/07/24 08:55					12.0	96	3.7	247	6
09/07/24 09:00					12.0	96	3.1	249	8
09/07/24 09:05					12.1	96	3.4	248	9
09/07/24 09:10					12.0	96	3.6	251	8
09/07/24 09:15					12.1	96	3.3	255	10
09/07/24 09:20					12.1	96	3.4	256	6
09/07/24 09:25					12.1	95	3.3	261	9
09/07/24 09:30					12.1	95	3.3	259	7
09/07/24 09:35					12.2	95	2.8	253	8
09/07/24 09:40					12.2	95	3.2	251	7
09/07/24 09:45					12.2	95	2.9	259	7
09/07/24 09:50					12.3	95	2.9	261	6
09/07/24 09:55					12.3	95	2.6	262	5
09/07/24 10:00					12.4	95	2.4	262	8
09/07/24 10:05					12.4	95	2.3	264	7
09/07/24 10:10					12.5	95	2.2	261	7
09/07/24 10:15					12.6	95	2.0	260	5
09/07/24 10:20					12.6	95	2.1	264	9
09/07/24 10:25					12.7	95	2.6	266	7
09/07/24 10:30					12.7	95	2.3	266	7
09/07/24 10:35					12.8	95	2.3	262	5
09/07/24 10:40					12.8	95	2.5	262	5
09/07/24 10:45					12.8	95	2.4	257	5
09/07/24 10:50					13.0	94	2.4	249	8
09/07/24 10:55					13.0	94	2.7	250	6
09/07/24 11:00				1	13.0	94	2.9	250	7
09/07/24 11:05				1	13.0	94	2.9	239	5
09/07/24 11:10	6	10	16	1	13.0	94	3.6	250	5
09/07/24 11:15	5	9	15	1	12.9	94	4.1	244	7
09/07/24 11:20	5	9	14	1	12.9	94	4.0	246	7
09/07/24 11:25	5	9	14	1	12.9	94	3.8	249	6
09/07/24 11:30	4	9	13	0	12.8	95	3.8	240	9
09/07/24 11:35	4	9	13	0	12.9	95	3.1	242	10
09/07/24 11:40	5	9	13	0	12.9	96	3.3	251	7
09/07/24 11:45	5	8	13	1	12.8	96	3.4	254	9
09/07/24 11:50	5	9	14	1	12.8	96	2.7	259	8
09/07/24 11:55	10	19	29	1	12.8	96	2.9	259	7
09/07/24 12:00	21	16	36	1	12.9	96	3.3	260	5
09/07/24 12:05	18	15	33	0	12.9	96	3.2	252	6
09/07/24 12:10	13	15	28	0	12.9	96	4.1	254	7
09/07/24 12:15	14	13	28	0	12.9	95	3.8	258	6
09/07/24 12:20	13	13	27	0	12.9	95	3.8	257	8
09/07/24 12:25	13	14	26	0	13.0	95	3.8	256	6
09/07/24 12:30	13	13	26	0	12.9	95	3.4	258	10
09/07/24 12:35	12	12	25	0	13.1	95	3.5	257	6
09/07/24 12:40	12	11	22	0	13.1	95	3.8	255	8
09/07/24 12:45	10	10	20	1	13.2	95	3.6	250	8
09/07/24 12:50	10	13	22	1	13.2	95	4.0	251	6
09/07/24 12:55	9	13	22	1	13.3	95	3.6	247	7
09/07/24 13:00	7	10	18	1	13.3	95	3.7	248	8
09/07/24 13:05	4	10	14	1	13.3	96	3.6	250	8
09/07/24 13:10	5	11	16	0	13.3	96	4.0	247	8
09/07/24 13:15	5	9	14	0	13.3	96	4.6	243	6
09/07/24 13:20	3	6	10	1	13.3	95	5.1	243	7
09/07/24 13:25	3	6	8	1	13.3	95	5.2	239	7
09/07/24 13:30	2	5	7	1	13.3	96	4.9	248	7
09/07/24 13:35	2	6	8	1	13.2	96	4.5	247	8
09/07/24 13:40	3	6	9	1	13.2	96	4.4	248	8
09/07/24 13:45	3	7	10	1	13.2	95	4.8	249	8
09/07/24 13:50	3	7	10	1	13.3	95	4.7	244	8
09/07/24 13:55	3	7	10	1	13.4	94	5.0	244	7
09/07/24 14:00	2	7	9	1	13.4	94	5.2	238	5
09/07/24 14:05	2	7	8	1	13.3	95	5.5	236	4
09/07/24 14:10	2	6	8	1	13.3	95	5.3	236	5
09/07/24 14:15	1	6	7	1	13.2	96	5.9	233	5
09/07/24 14:20	1	5	6	0	13.2	96	6.4	234	3
09/07/24 14:25	1	5	6	0	13.3	96	6.9	233	5
09/07/24 14:30	1	4	5	0	13.1	96	6.7	229	4
09/07/24 14:35	1	3	4	0	13.0	96	5.9	226	4
09/07/24 14:40	1	3	3	0	13.0	97	6.1	224	3
09/07/24 14:45	1	3	3	0	12.9	97	6.4	222	4
09/07/24 14:50	0	2	3	0	12.8	96	6.1	218	5
09/07/24 14:55	1	3	4	0	12.7	96	6.3	216	4
09/07/24 15:00	1	2	3	0	12.7	96	5.5	216	4
09/07/24 15:05	0	2	2	0	12.7	97	6.3	217	4
09/07/24 15:10	0	2	2	0	12.7	97	6.1	212	5
09/07/24 15:15	0	2	3	0	12.6	97	5.9	215	4
09/07/24 15:20	0	2	3	0	12.7	97	6.2	219	5
09/07/24 15:25	0	2	2	0	12.7	97	7.1	221	4
09/07/24 15:30	0	2	2	0	12.6	97	6.3	222	4
09/07/24 15:35	0	2	2	0	12.7	97	6.1	222	5
09/07/24 15:40	0	2	2	0	12.7	98	6.3	226	5
09/07/24 15:45	0	1	2	0	12.7	97	6.2	228	4
09/07/24 15:50	0	1	1	0	12.7	97	5.5	232	4

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/07/24 15:55	0	2	2	0	12.7	97	4.8	232	5
09/07/24 16:00	0	2	2	0	12.7	97	4.9	228	4
09/07/24 16:05	0	2	2	0	12.8	96	4.6	227	4
09/07/24 16:10	0	2	2	0	12.7	96	4.6	225	5
09/07/24 16:15	0	3	3	0	12.7	96	4.5	226	4
09/07/24 16:20	0	4	4	0	12.8	96	4.1	227	4
09/07/24 16:25	0	3	3	0	12.8	96	3.9	228	4
09/07/24 16:30	0	3	4	0	12.8	96	3.9	228	4
09/07/24 16:35	0	4	4	0	12.7	95	4.1	227	4
09/07/24 16:40	0	3	3	0	12.8	95	4.2	227	4
09/07/24 16:45	1	9	10	0	12.8	95	4.2	225	5
09/07/24 16:50	1	2	3	0	13.0	95	4.5	226	5
09/07/24 16:55	1	1	2	1	13.1	95	4.8	225	4
09/07/24 17:00	1	1	2	1	13.0	94	4.8	224	4
09/07/24 17:05	0	1	2	1	13.1	94	4.8	221	4
09/07/24 17:10	0	2	2	0	13.0	95	4.6	219	4
09/07/24 17:15	0	5	5	0	13.0	94	4.7	223	4
09/07/24 17:20	0	2	2	0	12.9	95	4.8	227	3
09/07/24 17:25	0	1	2	0	12.8	95	4.1	227	5
09/07/24 17:30	0	2	2	0	12.9	95	4.9	224	7
09/07/24 17:35	0	2	2	0	12.9	96	6.5	215	6
09/07/24 17:40	0	3	3	0	12.9	96	5.4	213	4
09/07/24 17:45	0	4	4	0	12.9	97	6.0	218	4
09/07/24 17:50	0	4	4	0	12.9	97	6.6	220	3
09/07/24 17:55	0	2	2	0	12.9	96	7.1	215	5
09/07/24 18:00	0	2	2	0	12.8	96	6.7	213	4
09/07/24 18:05	0	2	2	0	12.9	95	6.2	215	3
09/07/24 18:10	0	2	3	0	12.9	95	5.9	217	3
09/07/24 18:15	2	5	7	1	12.9	94	5.7	215	4
09/07/24 18:20	0	1	1	1	12.9	94	6.1	216	3
09/07/24 18:25	0	1	1	0	12.9	94	6.3	218	4
09/07/24 18:30	0	1	2	0	12.9	94	5.7	221	4
09/07/24 18:35	0	1	1	0	12.8	94	5.4	225	5
09/07/24 18:40	0	1	1	0	12.7	94	5.2	228	3
09/07/24 18:45	0	1	1	0	12.7	94	5.5	227	4
09/07/24 18:50	0	1	1	0	12.8	94	5.8	229	4
09/07/24 18:55	0	1	1	0	12.6	95	6.8	228	6
09/07/24 19:00	0	1	1	0	12.6	95	5.9	232	5
09/07/24 19:05	0	1	1	0	12.5	95	5.9	232	3
09/07/24 19:10	0	1	1	0	12.5	96	6.1	229	6
09/07/24 19:15	0	1	1	0	12.5	96	6.4	227	4
09/07/24 19:20	0	1	1	0	12.5	96	6.1	228	5
09/07/24 19:25	0	1	1	0	12.5	96	6.0	232	4
09/07/24 19:30	0	2	2	0	12.6	96	6.3	230	4
09/07/24 19:35	0	3	3	0	12.5	96	5.8	230	4
09/07/24 19:40	0	2	2	0	12.5	96	5.6	233	4
09/07/24 19:45	0	2	2	0	12.5	96	5.6	232	4
09/07/24 19:50	0	2	2	0	12.5	96	5.8	230	5
09/07/24 19:55	0	2	2	0	12.5	97	5.6	227	5
09/07/24 20:00	0	2	2	0	12.5	97	5.9	231	5
09/07/24 20:05	0	2	2	0	12.5	97	5.9	233	4
09/07/24 20:10	0	2	2	0	12.4	97	5.6	237	5
09/07/24 20:15	0	2	3	0	12.4	97	6.0	237	7
09/07/24 20:20	1	3	3	0	12.4	97	6.4	236	5
09/07/24 20:25	0	1	2	0	12.4	97	7.1	233	3
09/07/24 20:30	0	2	2	0	12.4	98	7.2	234	4
09/07/24 20:35	0	1	2	0	12.3	98	7.8	232	4
09/07/24 20:40	0	1	1	0	12.3	98	8.2	232	4
09/07/24 20:45	0	1	1	0	12.2	98	8.2	231	5
09/07/24 20:50	0	1	1	0	12.1	98	6.9	231	3
09/07/24 20:55	0	1	1	0	12.1	98	6.9	231	4
09/07/24 21:00	0	1	1	0	12.1	98	7.3	231	4
09/07/24 21:05	0	1	1	0	12.1	98	7.4	233	3
09/07/24 21:10	0	2	1	0	12.1	97	7.7	235	5
09/07/24 21:15	0	2	2	0	12.1	96	6.9	238	5
09/07/24 21:20	0	2	2	0	12.2	95	6.9	241	6
09/07/24 21:25	0	2	2	0	12.3	93	6.9	242	7
09/07/24 21:30	0	2	3	0	12.4	93	7.0	244	7
09/07/24 21:35	0	3	3	0	12.5	92	7.4	241	5
09/07/24 21:40	0	3	3	0	12.4	91	7.2	240	6
09/07/24 21:45	0	2	3	0	12.5	91	7.2	242	6
09/07/24 21:50	0	2	3	0	12.5	91	6.7	240	7
09/07/24 21:55	0	3	3	1	12.5	91	6.8	242	6
09/07/24 22:00	0	3	3	0	12.5	91	6.8	242	6
09/07/24 22:05	0	3	3	0	12.4	91	7.2	243	7
09/07/24 22:10	0	3	3	0	12.4	90	7.2	244	6
09/07/24 22:15	0	3	4	1	12.4	90	6.9	243	7
09/07/24 22:20	0	4	4	1	12.4	90	7.0	240	7
09/07/24 22:25	0	4	4	1	12.4	90	7.0	242	6
09/07/24 22:30	0	4	4	1	12.4	90	7.1	239	5
09/07/24 22:35	0	4	4	1	12.4	90	6.7	244	7
09/07/24 22:40	0	4	4	0	12.3	90	7.4	243	8
09/07/24 22:45	0	4	5	0	12.3	90	6.9	244	6
09/07/24 22:50	0	5	5	0	12.4	90	7.3	243	8
09/07/24 22:55	0	6	6	0	12.3	90	6.8	242	7
09/07/24 23:00	1	7	7	0	12.3	90	6.6	240	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/07/24 23:05	1	9	10	0	12.3	90	5.4	248	7
09/07/24 23:10	1	12	13	0	12.2	90	6.2	252	8
09/07/24 23:15	1	11	12	0	12.3	90	5.5	254	7
09/07/24 23:20	1	14	15	0	12.2	90	6.2	252	8
09/07/24 23:25	2	15	17	0	12.2	90	6.2	255	9
09/07/24 23:30	2	14	16	1	12.2	90	6.6	255	6
09/07/24 23:35	2	14	16	1	12.1	90	6.4	257	8
09/07/24 23:40	2	13	15	0	12.0	90	6.7	258	5
09/07/24 23:45	2	12	14	0	11.8	91	6.9	255	7
09/07/24 23:50	2	12	14		11.6	92	6.8	258	5
09/07/24 23:55	2	13	15		11.5	92	7.7	261	5
10/07/24 00:00	2	11	13	0	11.6	92	6.9	260	5
10/07/24 00:05	2	8	10	1	11.6	92	6.6	258	6
10/07/24 00:10	2	8	10	1	11.6	92	5.7	265	7
10/07/24 00:15	1	9	11	1	11.6	92	5.1	266	8
10/07/24 00:20	1	11	12	1	11.7	91	5.2	265	6
10/07/24 00:25	1	12	13	1	11.7	91	5.5	261	8
10/07/24 00:30	1	13	14	1	11.8	90	5.4	260	5
10/07/24 00:35	1	13	14	1	11.8	89	5.9	263	7
10/07/24 00:40	1	13	14	1	11.9	89	5.8	262	6
10/07/24 00:45	1	12	13	2	11.9	88	6.0	261	6
10/07/24 00:50	1	12	13	2	11.9	88	5.9	262	6
10/07/24 00:55	1	12	13	2	11.9	88	6.3	260	5
10/07/24 01:00	1	12	13	2	11.9	88	5.4	261	7
10/07/24 01:05					11.9	87	5.8	261	7
10/07/24 01:10					12.0	87	5.7	261	5
10/07/24 01:15					11.9	87	5.1	263	7
10/07/24 01:20					11.8	88	5.6	262	7
10/07/24 01:25					11.7	90	5.0	267	7
10/07/24 01:30					11.6	90	5.0	268	7
10/07/24 01:35					11.5	89	5.0	267	8
10/07/24 01:40					11.7	89	5.2	267	8
10/07/24 01:45					11.6	89	5.9	265	6
10/07/24 01:50					11.5	89	6.0	264	8
10/07/24 01:55					11.5	88	6.2	266	8
10/07/24 02:00					11.5	88	6.4	260	7
10/07/24 02:05	1	12	13	0	11.6	88	5.9	261	6
10/07/24 02:10	1	12	13	0	11.6	88	6.2	261	6
10/07/24 02:15	1	12	13	0	11.7	87	6.3	260	6
10/07/24 02:20	1	12	13	1	11.6	87	6.2	259	6
10/07/24 02:25	1	12	13	1	11.6	87	6.3	256	6
10/07/24 02:30	1	12	13	1	11.6	87	6.4	259	8
10/07/24 02:35	1	12	14	1	11.6	87	6.8	261	6
10/07/24 02:40	2	12	14	0	11.6	87	6.6	257	6
10/07/24 02:45	2	11	13	0	11.6	87	6.3	259	5
10/07/24 02:50	1	11	12	0	11.5	87	6.3	256	6
10/07/24 02:55	1	11	12	0	11.5	87	5.5	257	6
10/07/24 03:00	2	11	13	0	11.6	87	5.6	258	7
10/07/24 03:05	2	12	14	0	11.6	87	5.2	257	4
10/07/24 03:10	2	11	13	1	11.6	87	5.5	259	4
10/07/24 03:15	1	9	10	1	11.6	87	5.5	259	6
10/07/24 03:20	1	10	11	1	11.5	87	5.7	262	8
10/07/24 03:25	1	10	11	1	11.5	87	6.0	257	6
10/07/24 03:30	1	10	11	0	11.6	87	5.3	261	6
10/07/24 03:35	1	10	11	1	11.5	87	5.4	262	6
10/07/24 03:40	1	11	12	1	11.5	87	5.7	260	5
10/07/24 03:45	1	10	11	0	11.5	87	5.8	262	6
10/07/24 03:50	0	10	11	0	11.5	87	6.0	263	6
10/07/24 03:55	0	10	11	0	11.5	86	6.1	260	5
10/07/24 04:00	1	11	11	1	11.5	86	5.8	258	6
10/07/24 04:05	1	11	12	1	11.5	86	6.3	259	7
10/07/24 04:10	1	12	13	0	11.5	86	6.2	260	6
10/07/24 04:15	1	11	12	1	11.5	85	6.4	258	6
10/07/24 04:20	1	12	13	1	11.5	84	6.6	257	6
10/07/24 04:25	1	13	14	1	11.5	84	6.6	259	5
10/07/24 04:30	1	13	14	1	11.5	84	6.5	257	7
10/07/24 04:35	1	13	14	1	11.5	84	6.3	260	5
10/07/24 04:40	1	12	14	1	11.5	84	6.2	260	5
10/07/24 04:45	1	12	13	1	11.5	84	5.0	264	7
10/07/24 04:50	1	11	12	1	11.5	84	5.7	264	9
10/07/24 04:55	1	10	11	1	11.4	84	6.3	265	7
10/07/24 05:00	1	10	10	1	11.4	84	6.2	262	7
10/07/24 05:05	1	9	10	1	11.5	84	5.8	265	9
10/07/24 05:10	1	10	10	1	11.4	84	6.3	266	8
10/07/24 05:15	1	11	11	1	11.3	84	5.9	261	7
10/07/24 05:20	1	12	12	1	11.3	84	5.6	262	8
10/07/24 05:25	1	12	13	1	11.3	85	5.4	260	6
10/07/24 05:30	1	13	14	1	11.1	85	5.8	260	7
10/07/24 05:35	1	12	13	1	11.1	85	5.7	261	7
10/07/24 05:40	1	14	16	1	11.1	86	6.1	261	8
10/07/24 05:45	16	30	45	1	11.1	86	6.1	265	6
10/07/24 05:50	21	28	49	1	11.2	85	5.9	267	8
10/07/24 05:55	3	19	22	1	11.2	86	5.4	259	3
10/07/24 06:00	3	20	24	1	11.2	85	5.4	262	6
10/07/24 06:05	3	18	21	1	11.1	85	5.9	261	6
10/07/24 06:10	3	17	19	1	11.1	85	5.9	261	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/07/24 06:15	2	13	15	1	11.1	84	6.2	262	7
10/07/24 06:20	6	26	32	1	11.1	84	5.9	259	6
10/07/24 06:25	24	28	53	1	11.1	84	5.4	263	7
10/07/24 06:30	25	26	52	1	11.1	84	4.2	271	10
10/07/24 06:35	14	28	41	1	11.1	84	3.7	277	9
10/07/24 06:40	4	24	28	1	11.1	85	4.0	275	9
10/07/24 06:45	4	22	25	1	11.0	85	4.2	277	13
10/07/24 06:50	2	17	20	1	11.0	85	4.2	277	11
10/07/24 06:55	2	18	21	1	11.0	85	5.2	271	7
10/07/24 07:00	2	19	22	1	10.9	85	5.5	272	7
10/07/24 07:05	3	20	23	1	10.9	85	5.7	269	6
10/07/24 07:10	3	21	24	1	10.9	85	5.7	267	8
10/07/24 07:15	3	21	25	1	10.9	85	5.2	269	6
10/07/24 07:20	3	22	25	1	10.9	85	4.8	273	9
10/07/24 07:25	3	22	25	1	10.9	85	3.6	275	12
10/07/24 07:30	3	20	23	1	10.8	85	3.8	275	10
10/07/24 07:35	3	20	23	1	10.8	85	3.5	275	11
10/07/24 07:40	3	21	23	1	10.8	85	4.5	270	9
10/07/24 07:45	3	21	24	1	10.8	84	4.3	269	8
10/07/24 07:50	3	22	24	1	10.8	84	3.7	279	12
10/07/24 07:55	3	22	24	1	10.9	84	3.3	276	10
10/07/24 08:00	3	22	25	1	10.8	84	3.5	274	11
10/07/24 08:05	3	22	26	1	10.9	84	2.7	283	13
10/07/24 08:10	3	22	26	1	10.9	84	3.7	273	11
10/07/24 08:15	3	22	26	1	10.8	83	4.0	272	10
10/07/24 08:20	4	23	26	1	10.9	83	4.0	271	10
10/07/24 08:25	4	23	27	1	10.9	83	4.3	273	9
10/07/24 08:30	5	23	28	1	10.9	83	4.2	271	8
10/07/24 08:35	5	23	27	1	11.0	83	5.0	265	6
10/07/24 08:40	5	22	26	1	10.9	82	4.8	269	8
10/07/24 08:45	5	21	26	1	11.0	82	5.3	272	7
10/07/24 08:50	5	20	25	1	10.9	81	5.1	269	8
10/07/24 08:55	4	19	24	1	11.0	80	6.9	263	7
10/07/24 09:00	4	19	23	1	10.9	79	7.6	264	6
10/07/24 09:05	4	18	22	1	11.0	80	5.4	263	7
10/07/24 09:10	5	19	23	1	11.0	81	5.7	270	8
10/07/24 09:15	5	17	21	1	10.9	79	6.5	270	8
10/07/24 09:20	4	12	16	1	10.9	79	4.2	278	15
10/07/24 09:25	3	11	14	1	10.9	79	4.7	276	9
10/07/24 09:30	3	11	14	1	10.9	79	5.7	274	9
10/07/24 09:35	3	12	14	1	10.9	79	6.0	274	11
10/07/24 09:40	3	12	15	1	10.9	79	5.8	273	8
10/07/24 09:45	3	12	14	1	10.9	78	5.8	274	7
10/07/24 09:50	2	12	14	1	10.9	79	5.2	271	8
10/07/24 09:55	2	11	14	1	10.9	77	6.2	268	7
10/07/24 10:00	2	11	14	1	10.9	77	6.5	268	7
10/07/24 10:05	2	11	14	1	11.0	77	5.7	273	8
10/07/24 10:10	2	11	13	1	10.9	76	6.9	274	9
10/07/24 10:15	2	11	13	1	10.9	76	5.8	273	8
10/07/24 10:20	3	11	13	1	10.9	76	5.2	279	10
10/07/24 10:25	3	11	13	1	11.0	77	5.5	274	11
10/07/24 10:30	3	11	14	1	11.0	76	4.8	279	13
10/07/24 10:35	3	11	14	1	11.1	76	4.8	276	12
10/07/24 10:40	3	11	14	1	11.1	76	5.4	273	8
10/07/24 10:45	3	11	14	1	11.1	75	5.6	277	10
10/07/24 10:50	3	10	13	1	11.2	75	5.6	270	8
10/07/24 10:55	3	10	13	1	11.2	75	4.5	280	12
10/07/24 11:00	3	10	13	1	11.2	75	4.6	282	12
10/07/24 11:05	2	10	12	1	11.3	75	5.0	276	11
10/07/24 11:10	2	9	12	1	11.2	76	4.9	273	10
10/07/24 11:15	3	9	12	1	11.4	75	5.4	271	9
10/07/24 11:20	4	15	19	1	11.4	76	5.1	267	12
10/07/24 11:25	3	6	9	1	11.4	75	6.4	272	7
10/07/24 11:30	4	8	13	1	11.5	75	5.3	276	8
10/07/24 11:35	3	7	10	1	11.5	75	3.6	278	14
10/07/24 11:40	2	7	9	1	11.6	75	3.6	281	12
10/07/24 11:45	2	7	9	1	11.7	75	2.8	286	18
10/07/24 11:50	2	7	9	1	11.8	75	4.3	260	8
10/07/24 11:55	3	8	11	1	11.7	74	3.2	282	14
10/07/24 12:00	3	6	9	1	11.8	73	3.1	281	14
10/07/24 12:05	3	8	10	1	11.9	73	2.8	271	11
10/07/24 12:10	3	8	11	1	12.0	73	2.1	284	15
10/07/24 12:15	3	7	9	1	12.2	71	2.0	290	12
10/07/24 12:20	3	7	9	1	12.2	71	2.3	291	12
10/07/24 12:25	3	7	10	1	12.3	70	2.4	287	16
10/07/24 12:30	3	8	10	1	12.4	70	2.0	272	15
10/07/24 12:35	3	8	11	1	12.4	70	2.8	263	7
10/07/24 12:40	3	9	11	1	12.5	70	2.2	277	24
10/07/24 12:45	3	9	12	1	12.7	69	2.5	278	14
10/07/24 12:50	4	10	13	1	12.8	68	2.4	277	14
10/07/24 12:55	4	11	15	1	12.7	68	2.3	285	17
10/07/24 13:00	4	13	17	1	12.6	68	3.7	269	4
10/07/24 13:05	4	13	17	1	12.5	69	2.5	276	12
10/07/24 13:10	4	13	17	1	12.4	72	3.0	257	7
10/07/24 13:15	3	11	15	1	12.4	70	3.2	248	5
10/07/24 13:20	3	11	14	1	12.4	70	2.6	257	11

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/07/24 13:25	3	11	14	1	12.4	70	2.7	259	6
10/07/24 13:30	3	11	14	1	12.4	69	2.4	254	6
10/07/24 13:35	3	12	15	1	12.4	70	1.7	251	8
10/07/24 13:40	3	12	15	1	12.6	69	1.0	241	11
10/07/24 13:45	3	13	15	1	12.7	69	1.3	244	20
10/07/24 13:50	3	12	15	1	12.7	69	0.7	210	20
10/07/24 13:55	2	11	14	1	12.9	67	0.8	216	11
10/07/24 14:00	2	12	14	1	12.8	68	1.7	230	8
10/07/24 14:05	3	12	15	1	12.8	68	1.8	233	8
10/07/24 14:10	3	13	15	1	12.8	67	1.6	210	7
10/07/24 14:15	3	14	17	1	13.0	66	1.3	202	8
10/07/24 14:20	4	13	17	1	13.0	66	1.4	209	8
10/07/24 14:25	4	13	16	1	13.1	65	1.0	192	19
10/07/24 14:30	4	14	18	1	13.5	65	0.7	247	30
10/07/24 14:35	4	14	18	1	13.4	65	0.5	257	33
10/07/24 14:40	4	12	16	1	13.8	64	1.4	294	28
10/07/24 14:45	3	9	12	1	14.1	62	0.9	347	48
10/07/24 14:50	3	9	12	1	14.4	61	1.4	19	31
10/07/24 14:55	3	9	12	1	14.4	61	2.2	310	18
10/07/24 15:00	3	9	12	1	14.2	62	1.9	312	21
10/07/24 15:05	3	9	12	1	14.0	63	1.1	304	42
10/07/24 15:10	3	9	12	1	14.1	62	1.4	342	42
10/07/24 15:15	3	9	12	1	14.2	62	1.3	14	37
10/07/24 15:20	3	9	12	1	14.3	61	1.6	301	24
10/07/24 15:25	3	9	12	1	13.9	62	1.8	311	30
10/07/24 15:30	3	9	12	1	14.0	62	0.9	8	38
10/07/24 15:35	3	9	12	1	14.3	61	1.8	18	19
10/07/24 15:40	3	10	12	1	14.3	59	1.3	11	24
10/07/24 15:45	3	9	12	1	14.4	59	1.1	311	27
10/07/24 15:50	2	9	11	1	14.3	59	0.9	303	33
10/07/24 15:55	2	9	12	1	14.5	58	1.3	319	17
10/07/24 16:00	3	10	13	1	14.4	58	1.3	327	37
10/07/24 16:05	3	11	14	1	14.3	59	1.6	323	23
10/07/24 16:10	3	12	15	1	14.2	60	1.6	332	24
10/07/24 16:15	3	12	15	1	14.3	60	0.8	358	35
10/07/24 16:20	3	13	16	1	14.5	58	1.5	10	25
10/07/24 16:25	3	14	17	1	14.4	58	1.5	354	32
10/07/24 16:30	3	14	17	1	14.3	59	1.7	22	20
10/07/24 16:35	3	16	19	1	14.0	60	1.7	37	15
10/07/24 16:40	4	19	23	1	13.9	62	1.4	39	14
10/07/24 16:45	4	18	22	1	13.6	63	1.3	10	21
10/07/24 16:50	3	17	21	1	13.6	64	1.3	15	25
10/07/24 16:55	3	18	21	1	13.4	66	1.0	31	19
10/07/24 17:00	3	19	23	1	13.2	66	1.2	43	15
10/07/24 17:05	4	20	24	1	13.2	67	1.2	39	20
10/07/24 17:10	4	22	26	1	13.1	69	1.0	59	12
10/07/24 17:15	5	28	33	1	12.8	70	0.9	53	9
10/07/24 17:20	5	29	35	1	12.8	70	1.4	44	12
10/07/24 17:25	6	29	35	1	12.6	72	1.5	40	14
10/07/24 17:30	6	28	34	1	12.5	73	1.7	22	18
10/07/24 17:35	6	28	34	1	12.6	73	1.4	59	17
10/07/24 17:40	6	28	35	1	12.6	74	1.1	74	8
10/07/24 17:45	10	30	40	1	12.5	74	1.4	61	14
10/07/24 17:50	7	29	36	1	12.5	75	1.5	56	14
10/07/24 17:55	6	28	34	1	12.4	75	0.6	59	30
10/07/24 18:00	6	29	35	1	12.4	76	0.7	39	22
10/07/24 18:05	6	30	36	1	12.3	76	1.3	28	33
10/07/24 18:10	6	28	35	1	12.4	76	2.4	27	22
10/07/24 18:15	4	21	25	1	12.9	74	2.3	19	23
10/07/24 18:20	3	18	21	1	12.9	73	2.3	22	24
10/07/24 18:25	2	18	20	1	12.9	73	2.5	27	17
10/07/24 18:30	2	19	21	1	12.9	72	3.1	22	21
10/07/24 18:35	2	20	22	1	12.8	72	2.5	16	22
10/07/24 18:40	2	21	23	1	12.8	72	2.5	20	19
10/07/24 18:45	2	22	24	1	12.6	72	2.4	18	22
10/07/24 18:50	3	22	25	1	12.7	71	2.7	15	16
10/07/24 18:55	3	22	24	1	12.7	69	3.0	5	22
10/07/24 19:00	2	21	24	1	12.7	69	2.2	355	29
10/07/24 19:05	2	21	23	1	12.7	69	2.3	6	23
10/07/24 19:10	2	21	23	1	12.6	70	2.0	4	22
10/07/24 19:15	2	22	24	1	12.4	70	1.7	1	29
10/07/24 19:20	4	23	27	1	12.4	71	1.9	342	27
10/07/24 19:25	5	28	33	1	12.4	71	2.0	353	29
10/07/24 19:30	6	28	35	1	12.3	71	1.9	348	33
10/07/24 19:35	5	23	29	1	12.4	71	2.1	345	32
10/07/24 19:40	2	14	16	1	12.6	70	2.5	323	26
10/07/24 19:45	1	14	15	1	12.6	70	2.1	333	33
10/07/24 19:50	1	13	14	1	12.4	70	1.8	337	35
10/07/24 19:55	1	13	13	1	12.5	69	3.0	337	27
10/07/24 20:00	1	12	12	1	12.6	68	2.0	329	39
10/07/24 20:05	1	11	12	1	12.6	67	2.1	345	32
10/07/24 20:10	0	11	11	1	12.6	67	2.0	355	36
10/07/24 20:15	0	11	11	1	12.5	67	2.5	347	31
10/07/24 20:20	0	11	11	1	12.5	67	2.2	349	31
10/07/24 20:25	0	11	11	1	12.4	67	2.9	5	24
10/07/24 20:30	0	11	11	1	12.3	67	2.4	360	29

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/07/24 20:35	1	11	12	1	12.3	66	2.9	356	21
10/07/24 20:40	1	11	12	1	12.3	67	2.6	348	28
10/07/24 20:45	1	11	12	1	12.3	67	2.9	1	22
10/07/24 20:50	1	11	12	1	12.2	68	2.1	7	27
10/07/24 20:55	1	12	13	1	12.0	68	2.7	5	24
10/07/24 21:00	1	12	12	1	12.0	68	2.6	1	29
10/07/24 21:05	1	11	12	1	11.9	69	1.9	357	38
10/07/24 21:10	0	10	11	1	11.8	69	2.5	358	24
10/07/24 21:15	0	10	10	1	11.8	69	2.8	5	20
10/07/24 21:20	0	10	10	1	11.7	69	2.8	8	21
10/07/24 21:25	0	9	10	1	11.6	70	1.7	359	32
10/07/24 21:30	0	10	10	1	11.5	71	2.0	17	24
10/07/24 21:35	0	10	10	1	11.4	72	1.7	15	38
10/07/24 21:40	0	10	10	1	11.2	73	3.4	9	18
10/07/24 21:45	0	10	10	1	11.2	73	3.0	16	19
10/07/24 21:50	0	10	10	1	11.1	74	2.8	16	24
10/07/24 21:55	0	10	10	1	11.0	74	2.7	7	22
10/07/24 22:00	0	10	10	1	10.9	75	3.1	13	16
10/07/24 22:05	0	10	10	1	11.0	75	3.7	10	19
10/07/24 22:10	0	10	10	1	11.0	75	3.4	360	21
10/07/24 22:15	0	10	10	1	11.0	75	2.8	11	23
10/07/24 22:20	1	10	10	1	10.9	75	2.5	355	34
10/07/24 22:25	1	9	10	1	11.0	75	3.0	348	28
10/07/24 22:30	1	9	10	1	11.1	75	2.2	336	36
10/07/24 22:35	0	9	10	1	11.1	75	2.6	354	26
10/07/24 22:40	0	9	10	1	11.0	75	2.8	358	23
10/07/24 22:45	0	9	9	1	11.1	75	3.3	3	25
10/07/24 22:50	0	9	9	1	11.1	75	3.2	354	25
10/07/24 22:55	0	9	9	1	11.1	75	3.1	354	26
10/07/24 23:00	0	9	9	1	11.1	75	3.5	3	27
10/07/24 23:05	0	9	9	1	11.1	75	3.5	3	26
10/07/24 23:10	0	8	9	1	11.1	75	4.8	5	17
10/07/24 23:15	0	8	8	1	11.2	74	3.6	9	27
10/07/24 23:20	0	7	7	1	11.2	74	4.1	12	23
10/07/24 23:25	0	6	7	1	11.2	74	3.5	15	23
10/07/24 23:30	0	6	6	1	11.3	73	3.9	17	16
10/07/24 23:35	0	6	6	1	11.4	73	3.7	19	20
10/07/24 23:40	0	6	6	1	11.3	73	3.5	23	19
10/07/24 23:45	0	5	6	1	11.3	73	4.2	16	19
10/07/24 23:50	0	5	6		11.4	72	3.2	19	23
10/07/24 23:55	0	5	6		11.3	72	3.6	9	23
11/07/24 00:00	0	5	6	1	11.3	73	4.4	14	19
11/07/24 00:05	0	5	6	1	11.3	73	4.2	12	20
11/07/24 00:10	0	5	5	1	11.3	73	4.5	5	20
11/07/24 00:15	0	5	5	1	11.3	73	4.2	360	24
11/07/24 00:20	0	5	5	1	11.4	73	3.9	5	30
11/07/24 00:25	0	5	5	1	11.4	73	4.5	3	21
11/07/24 00:30	0	5	5	0	11.3	73	4.7	6	18
11/07/24 00:35	0	4	4	0	11.3	74	4.1	358	22
11/07/24 00:40	0	4	4	0	11.4	75	3.9	3	24
11/07/24 00:45	0	4	4	0	11.4	76	3.7	360	24
11/07/24 00:50	0	4	4	0	11.4	77	3.2	349	27
11/07/24 00:55	0	5	5	0	11.3	77	3.3	355	28
11/07/24 01:00	0	5	5	0	11.1	78	2.7	355	24
11/07/24 01:05					11.0	78	2.7	355	28
11/07/24 01:10					11.0	79	1.9	349	40
11/07/24 01:15					10.9	79	2.3	356	40
11/07/24 01:20					10.9	79	2.8	357	25
11/07/24 01:25					10.8	79	2.5	353	28
11/07/24 01:30					10.8	79	2.6	355	29
11/07/24 01:35					10.8	79	2.3	12	25
11/07/24 01:40					10.8	77	3.0	20	23
11/07/24 01:45					10.8	76	2.6	17	23
11/07/24 01:50					10.9	76	2.2	25	28
11/07/24 01:55					10.8	75	2.8	19	25
11/07/24 02:00					11.0	74	3.1	6	24
11/07/24 02:05	0	4	4	1	11.1	73	3.2	10	20
11/07/24 02:10	0	4	4	1	11.1	73	2.8	11	25
11/07/24 02:15	0	4	4	1	11.2	72	3.7	6	21
11/07/24 02:20	0	3	3	1	11.1	72	3.1	6	28
11/07/24 02:25	0	3	3	1	11.2	72	2.3	2	24
11/07/24 02:30	0	3	3	1	11.2	72	3.0	358	27
11/07/24 02:35	0	3	3	1	11.3	71	2.8	3	24
11/07/24 02:40	0	3	3	1	11.3	72	1.9	326	39
11/07/24 02:45	0	3	3	1	11.3	72	1.7	338	40
11/07/24 02:50	0	3	3	1	11.3	72	2.3	340	30
11/07/24 02:55	0	4	3	1	11.2	72	2.0	352	34
11/07/24 03:00	0	4	4	1	11.2	72	2.1	0	25
11/07/24 03:05	0	4	4	1	11.2	73	1.8	339	32
11/07/24 03:10	0	4	4	1	11.2	73	2.8	360	35
11/07/24 03:15	0	4	4	1	11.3	72	3.2	1	24
11/07/24 03:20	0	3	4	1	11.3	72	3.4	13	25
11/07/24 03:25	0	3	4	1	11.3	72	3.5	14	23
11/07/24 03:30	0	3	4	1	11.4	71	4.4	12	22
11/07/24 03:35	0	3	4	1	11.4	71	5.4	16	22
11/07/24 03:40	0	4	4	1	11.5	71	4.1	21	20

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
11/07/24 03:45	0	4	4	1	11.4	71	4.4	18	20
11/07/24 03:50	0	4	4	1	11.4	72	4.1	14	16
11/07/24 03:55	0	4	4	1	11.3	72	3.2	13	22
11/07/24 04:00	0	4	4	1	11.2	73	2.7	13	23
11/07/24 04:05	0	4	4	1	11.2	73	2.8	11	22
11/07/24 04:10	0	4	4	1	11.2	73	3.4	7	20
11/07/24 04:15	0	4	4	1	11.1	74	2.6	5	26
11/07/24 04:20	0	4	4	1	11.1	74	3.9	12	20
11/07/24 04:25	0	4	4	1	11.1	74	3.0	8	28
11/07/24 04:30	0	4	4	1	11.0	74	3.7	6	19
11/07/24 04:35	0	4	4	1	11.0	75	4.0	0	26
11/07/24 04:40	0	4	4	1	11.0	75	4.8	1	24
11/07/24 04:45	0	4	5	1	11.1	75	4.5	6	20
11/07/24 04:50	0	5	5	1	11.0	76	3.6	4	22
11/07/24 04:55	0	5	5	1	11.0	76	4.3	3	26
11/07/24 05:00	0	5	5	1	11.1	76	3.7	356	32
11/07/24 05:05	0	5	5	1	11.2	76	3.1	357	31
11/07/24 05:10	0	5	5	1	11.1	76	3.0	357	27
11/07/24 05:15	0	5	5	1	11.1	76	2.6	353	27
11/07/24 05:20	0	5	5	1	11.1	77	3.2	356	28
11/07/24 05:25	0	6	6	1	11.1	77	2.9	346	27
11/07/24 05:30	0	7	7	1	11.2	76	2.5	347	36
11/07/24 05:35	0	7	8	1	11.2	76	2.3	356	38
11/07/24 05:40	0	8	8	1	11.2	76	2.9	7	32
11/07/24 05:45	0	7	8	1	11.2	76	2.8	14	27
11/07/24 05:50	0	7	7	1	11.3	75	4.3	9	25
11/07/24 05:55	0	7	7	1	11.4	75	3.8	14	24
11/07/24 06:00	0	6	7	1	11.4	75	3.5	7	27
11/07/24 06:05	0	6	6	1	11.3	76	4.0	4	25
11/07/24 06:10	0	6	7	1	11.3	76	3.0	4	26
11/07/24 06:15	0	7	7	1	11.3	76	3.5	354	30
11/07/24 06:20	0	7	8	1	11.2	76	3.1	6	29
11/07/24 06:25	1	9	10	1	11.1	76	3.4	1	23
11/07/24 06:30	1	11	12	1	11.1	76	3.4	9	24
11/07/24 06:35	1	18	20	1	11.1	76	4.0	2	31
11/07/24 06:40	2	19	20	1	11.1	76	3.4	2	30
11/07/24 06:45	2	16	18	1	11.2	75	4.5	15	23
11/07/24 06:50	2	15	17	1	11.3	75	3.9	10	27
11/07/24 06:55	2	13	15	1	11.4	74	5.4	8	23
11/07/24 07:00	1	11	13	1	11.5	74	3.9	359	30
11/07/24 07:05	1	11	12	1	11.5	73	3.9	15	23
11/07/24 07:10	1	11	12	1	11.6	73	4.4	6	27
11/07/24 07:15	1	11	12	1	11.6	73	4.3	7	23
11/07/24 07:20	1	11	12	1	11.6	73	3.6	2	26
11/07/24 07:25	1	12	13	1	11.8	72	4.0	10	26
11/07/24 07:30	1	12	13	1	11.8	73	3.3	10	28
11/07/24 07:35	2	13	15	1	11.7	73	3.1	7	29
11/07/24 07:40	2	16	18	1	11.9	72	3.7	3	33
11/07/24 07:45	2	11	14	1	12.2	71	4.7	2	23
11/07/24 07:50	2	10	12	1	12.3	71	4.1	11	20
11/07/24 07:55	2	12	13	1	12.3	71	4.5	5	22
11/07/24 08:00	2	14	16	1	12.3	70	4.7	6	21
11/07/24 08:05	2	15	17	1	12.6	69	4.4	359	24
11/07/24 08:10	2	16	19	1	12.6	69	3.8	359	26
11/07/24 08:15	2	16	18	1	13.0	67	4.8	12	24
11/07/24 08:20	2	10	12	1	13.1	66	6.6	29	15
11/07/24 08:25	2	5	7	1	13.1	66	5.1	25	17
11/07/24 08:30	1	7	8	1	13.0	67	3.4	23	20
11/07/24 08:35	1	8	10	1	12.9	68	2.9	17	25
11/07/24 08:40	1	10	11	1	12.9	68	3.6	26	20
11/07/24 08:45	2	11	12	1	12.8	68	4.2	20	19
11/07/24 08:50	2	11	13	1	12.8	68	2.7	13	30
11/07/24 08:55	2	12	13	1	12.8	68	3.2	3	24
11/07/24 09:00	2	12	14	1	12.9	68	3.3	5	26
11/07/24 09:05	2	12	14	1	12.9	68	2.8	8	34
11/07/24 09:10	2	13	14	1	12.8	68	3.0	0	30
11/07/24 09:15	2	13	15	1	12.8	68	4.3	2	28
11/07/24 09:20	3	14	16	1	12.8	68	3.9	9	23
11/07/24 09:25	3	14	16	1	12.7	68	5.2	6	21
11/07/24 09:30	2	13	15	1	12.7	68	4.4	6	29
11/07/24 09:35	2	12	14	1	12.7	68	4.4	1	28
11/07/24 09:40	2	12	14	1	12.7	69	3.7	352	36
11/07/24 09:45	3	13	16	1	12.6	69	4.0	3	24
11/07/24 09:50	3	13	17	1	12.6	69	4.1	1	26
11/07/24 09:55	4	13	17	1	12.6	69	4.8	6	20
11/07/24 10:00	4	13	16	1	12.7	69	4.5	13	22
11/07/24 10:05	4	13	17	1	12.6	69	3.8	7	27
11/07/24 10:10	4	13	17	1	12.6	69	5.3	9	22
11/07/24 10:15	4	12	17	1	12.5	69	4.1	359	26
11/07/24 10:20	4	12	16	1	12.5	69	4.0	7	23
11/07/24 10:25	4	12	16	1	12.6	69	4.9	7	24
11/07/24 10:30	4	12	16	1	12.6	69	4.1	349	29
11/07/24 10:35	4	12	16	1	12.6	69	3.1	341	30
11/07/24 10:40	4	13	17	1	12.6	70	2.5	352	40
11/07/24 10:45	4	13	18	1	12.6	70	3.0	354	33
11/07/24 10:50	5	14	18	1	12.5	70	4.1	344	31

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
11/07/24 10:55	4	13	18	1	12.5	70	3.3	336	29
11/07/24 11:00	4	13	18	1	12.4	70	3.3	353	41
11/07/24 11:05	4	13	18	1	12.4	70	4.4	353	29
11/07/24 11:10	4	13	18	1	12.5	70	3.3	356	37
11/07/24 11:15	5	14	18	1	12.6	70	1.9	347	49
11/07/24 11:20	5	15	20	1	12.6	70	3.1	347	32
11/07/24 11:25	5	15	20	1	12.6	69	3.6	345	33
11/07/24 11:30	4	15	19	1	12.7	69	3.2	356	33
11/07/24 11:35	4	14	18	1	12.6	69	5.6	5	24
11/07/24 11:40	4	14	17	1	12.6	69	4.0	360	28
11/07/24 11:45	4	13	17	1	12.6	69	4.7	9	19
11/07/24 11:50	3	13	16	1	12.7	69	5.8	8	21
11/07/24 11:55	3	12	15	1	12.7	69	4.7	11	20
11/07/24 12:00	3	12	15	1	12.8	68	4.8	4	28
11/07/24 12:05	3	12	14	1	12.8	68	5.3	2	25
11/07/24 12:10	3	11	14	1	12.9	68	4.6	15	20
11/07/24 12:15	3	11	14	1	12.9	68	6.0	7	24
11/07/24 12:20	2	10	13	1	13.0	67	5.2	0	28
11/07/24 12:25	2	10	12	1	12.9	67	5.5	4	23
11/07/24 12:30	2	10	12	1	13.0	67	4.8	3	22
11/07/24 12:35	2	10	12	1	13.0	68	4.6	10	24
11/07/24 12:40	2	11	13	1	13.1	67	5.1	3	24
11/07/24 12:45	2	11	13	1	13.1	67	5.9	2	22
11/07/24 12:50	2	11	13	1	13.2	67	4.9	13	20
11/07/24 12:55	2	10	12	1	13.2	67	4.6	8	25
11/07/24 13:00	2	10	12	1	13.2	67	3.4	9	28
11/07/24 13:05	2	10	12	1	13.3	67	4.5	11	25
11/07/24 13:10	3	9	12	1	13.4	66	4.3	13	22
11/07/24 13:15	2	9	12	1	13.5	66	4.9	14	26
11/07/24 13:20	3	9	12	1	13.5	65	5.3	14	20
11/07/24 13:25	3	8	11	1	13.6	65	6.1	7	26
11/07/24 13:30	3	8	10	1	13.8	65	5.4	10	23
11/07/24 13:35	2	8	10	1	13.9	64	4.5	9	26
11/07/24 13:40	2	8	10	1	13.8	65	5.6	11	18
11/07/24 13:45	2	8	10	1	13.7	65	5.1	14	23
11/07/24 13:50	2	8	10	1	13.7	65	5.2	11	18
11/07/24 13:55	2	8	10	1	13.8	64	4.7	4	26
11/07/24 14:00	3	9	11	1	13.9	64	5.1	7	21
11/07/24 14:05	3	9	12	1	13.8	64	4.4	360	26
11/07/24 14:10	3	10	13	1	13.8	64	3.5	6	30
11/07/24 14:15	3	10	13	1	13.9	64	3.8	352	25
11/07/24 14:20	3	11	14	1	13.9	64	4.5	359	27
11/07/24 14:25	3	11	14	1	13.9	63	5.7	354	25
11/07/24 14:30	3	11	13	1	14.0	63	4.7	3	20
11/07/24 14:35	3	11	13	1	13.8	64	5.0	8	28
11/07/24 14:40	3	11	13	1	13.9	63	4.9	1	28
11/07/24 14:45	2	10	13	1	13.9	63	5.3	15	19
11/07/24 14:50	2	10	12	0	13.9	63	5.4	10	23
11/07/24 14:55	2	10	12	1	13.9	64	5.1	13	24
11/07/24 15:00	2	10	12	1	13.9	63	5.4	9	20
11/07/24 15:05	2	9	12	0	13.9	64	5.0	8	27
11/07/24 15:10	2	9	11	1	13.9	64	6.2	3	20
11/07/24 15:15	2	9	11	1	13.9	63	5.6	4	29
11/07/24 15:20	3	9	11	1	14.0	63	5.1	3	25
11/07/24 15:25	3	9	12	1	14.1	63	6.6	6	22
11/07/24 15:30	2	9	12	1	14.1	63	5.8	5	22
11/07/24 15:35	2	9	12	0	14.1	63	6.7	3	23
11/07/24 15:40	2	9	11	1	14.1	63	5.5	6	24
11/07/24 15:45	2	9	11	0	14.1	63	5.2	2	26
11/07/24 15:50	2	9	11	1	14.0	63	4.8	3	27
11/07/24 15:55	2	9	11	1	14.0	63	6.0	359	20
11/07/24 16:00	2	9	11	0	14.1	64	6.1	1	23
11/07/24 16:05	2	9	11	0	14.0	64	4.1	6	28
11/07/24 16:10	2	9	11	0	14.0	65	5.7	1	22
11/07/24 16:15	2	10	11	0	13.9	65	5.8	7	25
11/07/24 16:20	2	9	11	0	13.9	65	5.4	7	30
11/07/24 16:25	2	9	11	1	13.9	65	6.6	4	17
11/07/24 16:30	2	10	11	1	13.9	65	5.3	13	20
11/07/24 16:35	1	10	11	0	13.9	65	5.3	5	22
11/07/24 16:40	1	9	11	1	13.9	65	6.3	8	18
11/07/24 16:45	1	9	10	1	13.9	66	5.2	10	18
11/07/24 16:50	1	9	10	0	13.9	66	5.5	6	24
11/07/24 16:55	1	9	10	0	13.8	66	6.3	10	17
11/07/24 17:00	1	8	9	0	13.8	66	5.8	8	23
11/07/24 17:05	1	8	9	0	13.8	65	5.5	358	22
11/07/24 17:10	1	7	8	1	13.9	65	5.9	2	22
11/07/24 17:15	1	7	8	1	13.9	66	2.3	356	39
11/07/24 17:20	1	8	9	1	13.8	66	4.8	360	25
11/07/24 17:25	1	9	9	0	13.8	65	4.1	358	26
11/07/24 17:30	1	9	10	0	13.8	66	3.1	355	42
11/07/24 17:35	1	10	11	0	13.7	66	3.4	353	33
11/07/24 17:40	1	10	11	0	13.7	66	5.3	7	23
11/07/24 17:45	1	10	11	0	13.7	65	5.2	6	21
11/07/24 17:50	1	10	11	0	13.8	65	4.5	4	21
11/07/24 17:55	1	10	11	0	13.8	65	4.6	0	28
11/07/24 18:00	1	10	11	0	13.8	65	4.2	11	21

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
11/07/24 18:05	1	10	11	1	13.7	65	4.2	7	30
11/07/24 18:10	1	10	11	1	13.8	66	3.8	9	21
11/07/24 18:15	1	10	11	0	13.7	66	3.9	4	30
11/07/24 18:20	1	10	11	0	13.7	66	4.5	6	24
11/07/24 18:25	1	10	11	0	13.7	66	4.5	8	22
11/07/24 18:30	1	9	10	0	13.7	66	3.8	13	24
11/07/24 18:35	1	9	10	0	13.7	66	4.2	19	21
11/07/24 18:40	1	9	10	0	13.7	66	5.3	10	20
11/07/24 18:45	1	8	9	0	13.6	66	4.8	12	19
11/07/24 18:50	1	8	8	0	13.6	67	4.5	10	18
11/07/24 18:55	1	8	8	0	13.7	67	4.7	3	20
11/07/24 19:00	1	7	8	0	13.6	67	5.0	6	19
11/07/24 19:05	1	7	8	0	13.5	68	4.3	6	28
11/07/24 19:10	1	7	8	0	13.4	67	5.3	9	24
11/07/24 19:15	1	6	7	0	13.6	67	5.3	6	23
11/07/24 19:20	1	6	7	0	13.5	68	5.3	3	21
11/07/24 19:25	0	6	6	0	13.5	67	5.7	9	22
11/07/24 19:30	0	6	6	0	13.5	67	5.6	356	24
11/07/24 19:35	0	6	6	0	13.5	68	5.1	10	23
11/07/24 19:40	0	6	6	0	13.4	68	6.0	6	19
11/07/24 19:45	0	6	6	1	13.4	68	3.5	7	27
11/07/24 19:50	0	6	7	1	13.4	69	5.1	3	23
11/07/24 19:55	1	6	7	1	13.3	69	3.0	359	30
11/07/24 20:00	1	7	8	1	13.4	69	3.6	359	29
11/07/24 20:05	1	8	9	1	13.4	69	4.0	2	27
11/07/24 20:10	1	8	9	0	13.4	69	2.9	359	28
11/07/24 20:15	1	8	9	1	13.4	70	3.2	4	33
11/07/24 20:20	1	9	9	1	13.4	70	3.6	5	23
11/07/24 20:25	1	9	10	1	13.3	70	3.6	4	28
11/07/24 20:30	1	9	10	0	13.3	70	4.7	2	21
11/07/24 20:35	1	9	9	1	13.4	70	3.5	358	29
11/07/24 20:40	1	8	9	1	13.3	71	4.4	3	23
11/07/24 20:45	1	8	9	1	13.3	71	5.1	8	19
11/07/24 20:50	1	8	8	1	13.2	72	5.8	9	13
11/07/24 20:55	0	7	8	0	13.1	73	4.5	8	24
11/07/24 21:00	0	7	8	1	13.1	74	4.9	8	23
11/07/24 21:05	0	7	7	0	12.9	77	3.6	7	23
11/07/24 21:10	0	7	8	0	12.7	78	3.7	5	25
11/07/24 21:15	0	7	8	0	12.6	79	3.7	7	21
11/07/24 21:20	0	7	8	0	12.4	80	3.5	6	22
11/07/24 21:25	0	7	8	0	12.5	80	4.5	10	20
11/07/24 21:30	0	7	8	0	12.4	80	4.2	10	23
11/07/24 21:35	1	7	8	0	12.4	80	5.1	10	17
11/07/24 21:40	1	7	8	0	12.4	80	4.6	8	20
11/07/24 21:45	1	7	7	0	12.4	80	4.9	4	17
11/07/24 21:50	1	6	7	0	12.5	80	3.4	4	27
11/07/24 21:55	1	6	7	0	12.3	81	3.0	6	26
11/07/24 22:00	1	6	7	0	12.3	81	3.5	14	25
11/07/24 22:05	1	6	7	0	12.3	82	2.9	3	26
11/07/24 22:10	1	7	7	0	12.2	82	3.9	360	22
11/07/24 22:15	0	7	7	0	12.2	83	3.1	9	22
11/07/24 22:20	1	7	7	0	12.1	83	3.7	3	20
11/07/24 22:25	0	7	7	0	12.1	83	3.2	4	21
11/07/24 22:30	0	7	8	0	12.1	83	2.7	2	29
11/07/24 22:35	0	8	8	0	12.1	83	2.9	1	23
11/07/24 22:40	0	8	9	0	12.1	84	3.2	4	23
11/07/24 22:45	0	9	9	0	12.1	84	2.4	3	28
11/07/24 22:50	0	9	9	0	11.9	85	2.8	4	23
11/07/24 22:55	1	9	10	0	11.9	85	2.6	2	27
11/07/24 23:00	1	9	9	0	11.9	85	2.4	358	29
11/07/24 23:05	1	9	10	0	11.9	84	3.1	2	20
11/07/24 23:10	1	9	10	0	12.0	83	2.4	357	27
11/07/24 23:15	1	9	10	0	12.0	83	2.1	350	31
11/07/24 23:20	0	9	10	0	12.0	83	1.9	351	31
11/07/24 23:25	1	10	10	0	12.0	82	1.8	334	39
11/07/24 23:30	0	10	10	0	12.1	82	1.7	345	31
11/07/24 23:35	1	10	10	0	12.1	82	2.2	348	30
11/07/24 23:40	1	10	11	0	12.1	82	1.4	347	33
11/07/24 23:45	1	10	11	0	12.1	82	1.9	356	42
11/07/24 23:50	1	10	10		12.2	82	2.4	351	31
11/07/24 23:55	1	10	10		12.1	82	2.1	357	31
12/07/24 00:00	1	9	10	0	12.1	82	2.1	359	25
12/07/24 00:05	0	9	10	0	12.1	83	2.2	0	25
12/07/24 00:10	0	9	10	0	12.0	84	1.8	1	32
12/07/24 00:15	0	9	10	0	12.0	84	2.0	4	25
12/07/24 00:20	0	9	9	0	11.9	85	2.5	9	20
12/07/24 00:25	0	9	9	0	11.9	85	2.4	9	21
12/07/24 00:30	0	8	9	0	11.8	86	2.9	12	18
12/07/24 00:35	0	8	9	0	11.8	86	2.6	6	19
12/07/24 00:40	0	8	8	0	11.8	87	2.2	18	22
12/07/24 00:45	0	7	8	0	11.8	87	1.8	21	33
12/07/24 00:50	0	7	7	0	11.7	87	2.1	24	23
12/07/24 00:55	0	7	7	0	11.7	87	2.4	17	25
12/07/24 01:00	0	7	7	0	11.6	87	2.3	19	25
12/07/24 01:05					11.8	86	2.4	18	21
12/07/24 01:10					11.8	86	1.8	22	30

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/07/24 01:15					11.7	86	1.9	15	27
12/07/24 01:20					11.7	85	2.2	12	25
12/07/24 01:25					11.9	85	2.8	12	23
12/07/24 01:30					11.8	85	2.6	15	26
12/07/24 01:35					11.8	85	1.9	22	25
12/07/24 01:40					11.8	86	2.9	1	20
12/07/24 01:45					11.8	85	3.2	9	18
12/07/24 01:50					11.8	85	2.7	8	31
12/07/24 01:55					11.9	85	3.1	14	20
12/07/24 02:00					11.8	85	2.3	4	25
12/07/24 02:05	0	5	6	0	11.8	85	2.4	354	24
12/07/24 02:10	0	5	5	0	11.8	86	1.7	352	35
12/07/24 02:15	0	5	5	0	11.8	86	1.5	314	25
12/07/24 02:20	0	5	5	0	11.8	87	1.4	335	33
12/07/24 02:25	0	5	5	0	11.7	87	1.9	5	24
12/07/24 02:30	0	5	5	0	11.6	88	1.8	4	21
12/07/24 02:35	0	5	5	0	11.5	88	1.8	1	29
12/07/24 02:40	0	5	5	0	11.6	89	1.8	12	27
12/07/24 02:45	0	5	5	0	11.5	89	2.0	12	19
12/07/24 02:50	0	5	5	0	11.5	89	2.2	9	21
12/07/24 02:55	0	5	5	0	11.5	89	1.9	10	20
12/07/24 03:00	0	5	5	0	11.5	90	1.7	17	18
12/07/24 03:05	0	5	5	0	11.4	90	1.9	16	23
12/07/24 03:10	0	5	5	0	11.4	90	2.2	12	21
12/07/24 03:15	0	5	5	0	11.4	90	1.8	17	20
12/07/24 03:20	0	5	5	0	11.4	90	2.5	14	18
12/07/24 03:25	0	5	5	0	11.3	90	2.4	16	21
12/07/24 03:30	0	5	5	0	11.4	90	2.0	15	20
12/07/24 03:35	0	5	6	0	11.4	91	2.0	11	16
12/07/24 03:40	0	5	6	0	11.4	91	1.6	349	30
12/07/24 03:45	0	5	6	0	11.3	91	2.0	3	22
12/07/24 03:50	0	5	6	0	11.3	91	1.8	349	24
12/07/24 03:55	0	5	6	0	11.4	91	1.2	348	35
12/07/24 04:00	0	6	6	0	11.3	91	1.6	350	27
12/07/24 04:05	0	6	6	0	11.3	91	1.3	341	33
12/07/24 04:10	0	6	7	0	11.3	92	1.0	344	37
12/07/24 04:15	0	7	8	0	11.3	92	0.8	339	45
12/07/24 04:20	0	8	9	0	11.3	92	1.0	342	31
12/07/24 04:25	1	9	9	0	11.2	92	1.4	322	24
12/07/24 04:30	1	9	10	0	11.2	92	0.9	324	28
12/07/24 04:35	1	10	11	0	11.3	92	0.8	313	28
12/07/24 04:40	1	11	12	0	11.2	92	0.9	320	33
12/07/24 04:45	1	12	13	1	11.2	92	0.8	316	33
12/07/24 04:50	2	12	14	0	11.2	93	1.0	321	32
12/07/24 04:55	2	13	15	0	11.2	93	1.2	307	14
12/07/24 05:00	3	14	17	0	11.2	93	0.9	302	20
12/07/24 05:05	4	16	20	0	11.1	93	1.0	298	13
12/07/24 05:10	5	17	22	0	11.2	93	1.2	291	19
12/07/24 05:15	6	17	23	0	11.2	94	1.3	272	13
12/07/24 05:20	15	17	32	0	11.2	94	1.4	269	9
12/07/24 05:25	19	16	35	0	11.2	94	0.8	280	20
12/07/24 05:30	14	15	28	0	11.0	94	1.0	314	15
12/07/24 05:35	8	16	24	0	11.0	94	0.9	304	14
12/07/24 05:40	7	15	22	0	11.1	94	0.9	320	12
12/07/24 05:45	7	15	22	0	11.0	95	0.6	337	31
12/07/24 05:50	9	16	25	0	11.0	95	1.0	313	18
12/07/24 05:55	10	16	26	1	10.9	95	1.0	315	15
12/07/24 06:00	11	16	27	1	10.9	95	0.8	333	24
12/07/24 06:05	14	15	29	1	11.0	95	1.0	311	22
12/07/24 06:10	22	16	38	1	10.9	95	0.8	343	27
12/07/24 06:15	28	17	45	1	11.0	95	0.9	324	26
12/07/24 06:20	30	17	47	1	10.9	95	0.9	324	30
12/07/24 06:25	30	17	48	1	11.0	95	0.9	340	31
12/07/24 06:30	30	17	47	1	11.0	95	0.9	2	33
12/07/24 06:35	28	17	45	1	10.9	95	1.4	3	24
12/07/24 06:40	27	17	43	0	10.9	96	1.4	10	24
12/07/24 06:45	27	17	44	0	10.9	96	1.9	8	19
12/07/24 06:50	27	18	45	0	10.9	96	1.2	11	23
12/07/24 06:55	27	17	44	1	10.8	96	1.4	15	27
12/07/24 07:00	27	17	44	1	10.9	96	1.7	14	19
12/07/24 07:05	25	18	43	1	10.9	96	1.7	19	24
12/07/24 07:10	22	19	41	1	10.9	96	1.7	5	20
12/07/24 07:15	19	20	39	1	10.9	95	1.9	5	15
12/07/24 07:20	17	19	36	1	10.8	95	1.6	1	20
12/07/24 07:25	18	18	35	1	10.9	95	1.5	7	19
12/07/24 07:30	18	17	35	1	10.9	95	1.2	336	27
12/07/24 07:35	19	17	36	1	11.0	94	1.4	347	22
12/07/24 07:40	20	17	38	1	11.0	94	1.5	342	21
12/07/24 07:45	23	18	41	1	11.0	94	2.0	357	14
12/07/24 07:50	25	18	43	1	11.0	94	1.9	350	19
12/07/24 07:55	27	18	45	1	11.0	94	1.6	357	20
12/07/24 08:00	29	18	47	1	11.0	95	1.6	343	22
12/07/24 08:05	30	17	47	1	11.0	95	1.8	355	15
12/07/24 08:10	31	17	48	1	10.9	95	1.5	344	20
12/07/24 08:15	30	17	47	1	11.0	95	1.1	348	25
12/07/24 08:20	30	17	47	1	11.0	95	1.4	339	22

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

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/07/24 08:25	30	17	47	1	11.1	95	1.1	312	19
12/07/24 08:30	31	17	48	1	11.0	95	1.5	335	23
12/07/24 08:35	31	17	48	1	11.2	95	1.8	351	16
12/07/24 08:40	32	17	49	1	11.1	95	0.9	339	35
12/07/24 08:45	32	18	50	1	11.1	95	1.0	316	18
12/07/24 08:50	33	18	50	1	11.1	95	0.7	331	23
12/07/24 08:55	33	18	51	1	11.2	95	0.7	334	24
12/07/24 09:00	33	17	51	1	11.2	95	1.1	340	19
12/07/24 09:05	33	17	51	1	11.2	94	1.3	340	21
12/07/24 09:10	33	17	50	1	11.2	94	1.4	342	15
12/07/24 09:15	34	18	51	1	11.3	94	0.9	340	20
12/07/24 09:20	36	18	54	1	11.3	94	0.9	326	22
12/07/24 09:25	38	19	58	1	11.4	94	0.8	352	28
12/07/24 09:30	41	21	61	1	11.5	94	0.6	14	38
12/07/24 09:35	42	20	62	1	11.5	94	0.6	319	31
12/07/24 09:40	43	20	62	1	11.5	93	0.8	346	33
12/07/24 09:45	42	19	61	1	11.6	93	0.9	322	24
12/07/24 09:50	40	19	59	1	11.6	93	0.8	321	20
12/07/24 09:55	38	20	58	1	11.7	92	0.9	310	17
12/07/24 10:00	38	19	57	1	11.7	92	0.6	328	25
12/07/24 10:05	39	19	58	1	11.9	92	0.8	322	27
12/07/24 10:10	40	19	59	1	11.9	92	0.6	289	27
12/07/24 10:15	41	19	60	1	12.1	91	0.7	252	20
12/07/24 10:20	42	20	62	1	11.9	91	0.7	268	26
12/07/24 10:25	42	20	62	1	12.0	90	0.2	274	28
12/07/24 10:30	43	20	63	1	12.0	90	0.7	222	15
12/07/24 10:35	43	20	63	1	12.1	90	1.0	220	9
12/07/24 10:40	42	20	62	1	12.1	89	1.6	193	12
12/07/24 10:45	28	18	46	1	12.0	90	1.3	186	15
12/07/24 10:50	21	17	38	1	12.2	90	1.9	196	11
12/07/24 10:55	7	10	17	1	11.7	91	2.3	195	3
12/07/24 11:00	6	11	17	1	11.7	92	2.3	200	4
12/07/24 11:05	6	12	18	1	11.4	92	1.7	197	4
12/07/24 11:10	7	13	20	1	11.5	93	1.4	194	8
12/07/24 11:15	7	14	21	1	11.7	93	0.8	183	20
12/07/24 11:20	8	14	22	1	11.8	93	0.9	159	21
12/07/24 11:25	8	13	21	1	11.8	92	0.6	155	25
12/07/24 11:30	8	13	21	1	11.8	92	0.7	161	25
12/07/24 11:35	8	12	20	1	11.9	92	0.8	150	22
12/07/24 11:40	8	12	20	1	12.1	91	0.7	134	21
12/07/24 11:45	8	12	20	1	12.4	89	1.0	110	5
12/07/24 11:50	8	11	20	1	12.6	88	1.0	116	11
12/07/24 11:55	9	11	21	1	13.0	86	1.1	132	13
12/07/24 12:00	10	11	21	1	13.0	84	1.7	136	12
12/07/24 12:05	10	12	21	1	12.9	84	1.1	129	17
12/07/24 12:10	11	12	23	1	13.0	85	0.8	131	18
12/07/24 12:15	11	12	23	1	12.8	85	1.1	132	15
12/07/24 12:20	11	13	24	1	12.9	85	1.1	131	14
12/07/24 12:25	12	13	25	1	13.0	83	1.3	136	10
12/07/24 12:30	12	14	26	1	12.9	83	1.4	135	9
12/07/24 12:35	13	14	27	1	12.7	85	1.5	135	10
12/07/24 12:40	13	14	27	1	12.7	86	1.3	138	17
12/07/24 12:45	14	14	28	1	13.2	84	1.1	134	13
12/07/24 12:50	15	15	29	1	13.8	82	1.1	130	13
12/07/24 12:55	15	15	30	1	13.9	81	0.8	159	29
12/07/24 13:00	17	16	32	1	14.4	79	0.8	158	30
12/07/24 13:05	18	21	39	1	14.0	78	1.5	140	11
12/07/24 13:10	19	22	41	1	13.5	81	1.6	138	9
12/07/24 13:15	21	22	43	1	13.3	83	0.9	129	21
12/07/24 13:20	24	21	45	1	13.5	83	0.8	130	22
12/07/24 13:25	26	20	46	1	13.7	81	1.3	153	21
12/07/24 13:30	24	21	46	1	13.8	82	1.2	166	21
12/07/24 13:35	21	21	42	1	13.9	81	1.0	163	32
12/07/24 13:40	18	19	37	1	14.0	80	1.2	160	26
12/07/24 13:45	14	17	31	1	14.0	80	1.4	159	25
12/07/24 13:50	13	16	29	1	13.9	81	0.9	161	33
12/07/24 13:55	13	16	28	1	14.0	80	1.1	160	25
12/07/24 14:00	13	16	29	1	13.8	81	1.3	151	25
12/07/24 14:05	13	16	29	1	13.8	81	1.3	125	19
12/07/24 14:10	13	16	29	1	13.9	81	1.6	118	12
12/07/24 14:15	13	16	29	1	14.1	80	1.5	139	17
12/07/24 14:20	13	15	28	1	14.0	79	1.6	134	14
12/07/24 14:25	12	15	27	1	14.0	79	1.4	132	14
12/07/24 14:30	12	14	25	1	14.2	79	1.0	158	29
12/07/24 14:35	11	13	24	1	14.9	78	0.9	172	23
12/07/24 14:40	11	14	24	1	15.2	74	0.9	160	27
12/07/24 14:45	11	14	26	1	15.6	73	1.1	170	20
12/07/24 14:50	12	15	26	1	15.5	70	1.1	163	22
12/07/24 14:55	10	8	18	1	15.5	69	1.3	135	18
12/07/24 15:00	7	7	14	1	15.1	71	1.0	132	24
12/07/24 15:05	6	9	15	1	15.2	72	0.7	131	29
12/07/24 15:10	5	9	14	1	15.2	71	1.2	119	14
12/07/24 15:15	4	9	13	1	14.9	72	1.8	116	8
12/07/24 15:20	5	10	15	1	14.7	73	1.1	123	19
12/07/24 15:25	4	9	13	1	14.8	74	1.2	122	14
12/07/24 15:30	4	9	13	1	14.7	74	1.4	121	11

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/07/24 15:35	4	9	13	1	14.7	75	1.4	121	13
12/07/24 15:40	4	8	12	1	14.5	75	1.3	123	13
12/07/24 15:45	4	10	13	1	14.7	76	0.7	131	28
12/07/24 15:50	4	9	13	1	14.9	74	1.4	121	11
12/07/24 15:55	3	6	9	1	14.8	74	1.2	138	20
12/07/24 16:00	3	7	10	1	14.7	74	1.2	137	14
12/07/24 16:05	2	8	10	1	14.7	74	0.9	132	23
12/07/24 16:10	2	7	9	1	14.9	73	1.0	132	17
12/07/24 16:15	2	6	7	1	14.9	73	0.7	119	24
12/07/24 16:20	1	3	4	1	14.7	73	1.4	115	9
12/07/24 16:25	1	2	3	1	14.3	74	1.5	102	7
12/07/24 16:30	1	2	3	1	14.0	75	1.6	106	6
12/07/24 16:35	1	2	3	1	14.1	74	1.1	119	11
12/07/24 16:40	1	2	2	1	14.2	73	1.3	111	8
12/07/24 16:45	0	2	2	1	14.0	73	1.2	97	8
12/07/24 16:50	0	2	2	1	14.0	74	1.1	116	9
12/07/24 16:55	0	2	2	1	13.8	72	1.4	136	7
12/07/24 17:00	0	2	2	1	13.6	74	1.0	163	32
12/07/24 17:05	0	2	2	1	13.2	78	0.5	150	42
12/07/24 17:10	0	2	3	1	12.9	80	0.3	262	33
12/07/24 17:15	0	2	3	1	12.6	84	0.4	250	13
12/07/24 17:20	0	2	3	1	12.4	86	0.6	241	12
12/07/24 17:25	0	3	3	1	12.1	86	0.1	161	49
12/07/24 17:30	0	3	3	1	11.9	86	0.4	266	11
12/07/24 17:35	0	3	3	1	11.9	86	0.1	340	65
12/07/24 17:40	0	4	4	1	11.8	85	0.4	84	22
12/07/24 17:45	1	8	9	1	11.8	85	0.5	85	15
12/07/24 17:50	2	25	27	1	11.7	84	0.7	41	11
12/07/24 17:55	5	27	32	1	11.7	85	0.6	65	7
12/07/24 18:00	5	27	32	1	11.7	85	0.6	39	12
12/07/24 18:05	7	29	36	1	11.8	85	0.5	32	9
12/07/24 18:10	5	25	30	1	11.8	87	0.3	273	26
12/07/24 18:15	6	24	30	1	11.7	87	0.5	262	13
12/07/24 18:20	3	17	20	1	11.7	88	0.4	309	19
12/07/24 18:25	3	24	28	1	11.6	87	0.7	51	17
12/07/24 18:30	11	27	38	1	11.6	86	1.1	68	10
12/07/24 18:35	26	34	60	1	11.7	85	1.4	47	3
12/07/24 18:40	30	40	70	1	12.0	82	1.3	45	4
12/07/24 18:45	34	39	74	1	12.3	78	1.3	32	6
12/07/24 18:50	35	36	70	1	12.5	77	1.1	37	5
12/07/24 18:55	37	37	74	1	12.6	77	1.1	38	5
12/07/24 19:00	50	33	82	1	12.7	75	1.3	34	5
12/07/24 19:05	101	38	139	1	12.8	74	1.2	28	5
12/07/24 19:10	36	36	72	1	12.8	74	0.9	29	6
12/07/24 19:15	41	35	76	1	12.7	76	1.0	38	6
12/07/24 19:20	53	37	90	1	12.3	77	1.1	40	5
12/07/24 19:25	79	37	116	1	12.4	76	1.0	37	13
12/07/24 19:30	65	38	103	2	12.4	77	1.0	32	9
12/07/24 19:35	75	35	110	1	12.4	76	0.6	351	43
12/07/24 19:40	103	35	138	1	12.2	80	0.8	277	9
12/07/24 19:45	134	32	166	2	11.8	83	1.2	282	12
12/07/24 19:50	210	48	258	2	11.8	82	1.4	313	7
12/07/24 19:55	209	49	258	2	12.0	80	1.5	325	19
12/07/24 20:00	200	48	247	2	12.3	79	1.6	319	15
12/07/24 20:05	191	45	236	3	12.2	80	1.6	316	16
12/07/24 20:10	177	39	216	3	12.1	81	1.4	324	27
12/07/24 20:15	156	45	201	2	12.0	81	1.3	5	17
12/07/24 20:20	148	42	190	3	11.8	82	1.5	11	10
12/07/24 20:25	118	39	158	2	11.8	83	1.0	340	25
12/07/24 20:30	100	39	139	2	11.9	82	1.2	357	21
12/07/24 20:35	91	38	129	2	11.8	80	1.2	354	20
12/07/24 20:40	81	37	117	2	11.9	78	1.4	345	19
12/07/24 20:45	79	36	115	2	11.9	77	1.7	355	14
12/07/24 20:50	79	35	114	2	11.9	77	1.5	353	13
12/07/24 20:55	78	35	113	2	11.7	76	1.6	351	17
12/07/24 21:00	70	34	104	2	11.8	75	1.4	352	20
12/07/24 21:05	66	35	101	2	11.8	75	1.4	354	19
12/07/24 21:10	66	35	100	2	11.7	75	1.7	357	16
12/07/24 21:15	61	34	95	2	11.5	74	1.3	351	19
12/07/24 21:20	47	34	81	2	11.5	73	1.3	355	25
12/07/24 21:25	49	33	81	2	11.5	73	1.2	358	24
12/07/24 21:30	41	34	75	2	11.5	73	1.5	360	16
12/07/24 21:35	33	33	67	2	11.4	73	1.5	358	19
12/07/24 21:40	29	34	63	2	11.5	72	1.5	355	18
12/07/24 21:45	30	33	62	2	11.5	73	1.4	344	19
12/07/24 21:50	31	32	63	2	11.5	73	1.3	352	25
12/07/24 21:55	34	32	66	2	11.5	73	0.8	344	33
12/07/24 22:00	39	30	69	2	11.4	74	1.2	351	28
12/07/24 22:05	40	30	71	2	11.3	75	1.5	348	21
12/07/24 22:10	42	30	72	2	11.3	75	1.5	347	32
12/07/24 22:15	43	30	73	2	11.2	76	1.3	348	22
12/07/24 22:20	44	30	73	2	11.2	76	1.6	3	14
12/07/24 22:25	44	29	73	2	11.2	76	1.9	358	20
12/07/24 22:30	42	30	71	2	11.3	76	1.5	350	21
12/07/24 22:35	39	30	69	1	11.3	75	1.7	356	20
12/07/24 22:40	37	29	67	1	11.3	76	1.6	354	18

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/07/24 22:45	39	28	67	1	11.1	76	2.0	350	19
12/07/24 22:50	39	27	66	1	11.1	77	2.3	2	15
12/07/24 22:55	37	27	65	1	11.0	77	2.5	1	11
12/07/24 23:00	36	27	64	1	11.0	77	2.2	3	12
12/07/24 23:05	32	28	60	1	11.0	77	2.0	2	13
12/07/24 23:10	23	27	50	2	11.0	76	2.5	0	14
12/07/24 23:15	19	26	45	2	11.1	76	2.1	0	17
12/07/24 23:20	19	25	44	2	11.1	75	2.1	2	12
12/07/24 23:25	19	25	44	1	11.1	76	1.8	4	9
12/07/24 23:30	19	25	44	1	11.1	76	1.5	0	21
12/07/24 23:35	20	25	45	1	11.0	76	1.5	347	26
12/07/24 23:40	21	26	46	1	10.9	76	1.5	349	21
12/07/24 23:45	21	25	46	1	10.9	76	2.1	344	17
12/07/24 23:50	21	25	46		10.8	76	2.0	348	19
12/07/24 23:55	23	25	48		10.8	77	1.8	356	15
13/07/24 00:00	24	24	49	1	10.7	77	1.7	356	14
13/07/24 00:05	26	24	50	1	10.6	78	2.0	1	10
13/07/24 00:10	26	24	51	1	10.4	78	2.1	360	19
13/07/24 00:15	23	25	48	1	10.5	78	1.9	354	16
13/07/24 00:20	18	27	45	1	10.5	78	1.7	358	17
13/07/24 00:25	15	24	38	1	10.5	78	1.6	345	22
13/07/24 00:30	11	23	34	1	10.5	77	1.8	341	19
13/07/24 00:35	10	24	34	1	10.6	77	1.8	351	26
13/07/24 00:40	10	23	33	1	10.6	77	1.7	352	19
13/07/24 00:45	10	23	34	1	10.5	77	1.6	347	22
13/07/24 00:50	10	23	33	1	10.5	77	1.4	346	27
13/07/24 00:55	10	23	33	1	10.6	78	1.4	348	21
13/07/24 01:00	11	23	33	1	10.6	78	1.0	350	28
13/07/24 01:05					10.6	78	0.6	295	64
13/07/24 01:10					10.7	79	2.1	233	15
13/07/24 01:15					10.7	79	2.3	238	10
13/07/24 01:20					10.7	79	1.5	264	11
13/07/24 01:25					10.6	80	0.9	295	27
13/07/24 01:30					10.5	79	0.8	303	16
13/07/24 01:35					10.5	79	0.7	324	15
13/07/24 01:40					10.4	80	0.8	356	14
13/07/24 01:45					10.2	81	0.9	7	11
13/07/24 01:50					10.2	82	1.3	11	6
13/07/24 01:55					10.0	82	1.3	9	9
13/07/24 02:00					10.1	82	1.2	14	9
13/07/24 02:05	39	23	62	1	9.9	81	1.3	359	18
13/07/24 02:10	38	23	61	1	10.0	81	1.1	358	21
13/07/24 02:15	39	24	63	1	10.0	81	1.2	11	10
13/07/24 02:20	42	29	70	1	10.1	81	1.4	332	25
13/07/24 02:25	43	26	69	1	10.2	80	1.2	322	15
13/07/24 02:30	44	26	70	1	10.2	80	1.3	334	18
13/07/24 02:35	41	25	67	1	10.3	80	1.3	333	18
13/07/24 02:40	37	25	62	2	10.3	80	1.4	341	15
13/07/24 02:45	37	25	62	1	10.2	79	1.6	335	11
13/07/24 02:50	37	25	61	2	10.3	80	1.4	327	19
13/07/24 02:55	34	24	58	2	10.2	80	1.5	339	17
13/07/24 03:00	29	24	53	1	10.3	80	1.4	325	14
13/07/24 03:05	28	24	52	1	10.1	82	1.6	343	10
13/07/24 03:10	27	23	50	1	10.0	83	1.3	336	17
13/07/24 03:15	25	18	43	1	9.9	85	1.1	340	18
13/07/24 03:20	23	19	42	1	9.9	85	1.5	325	15
13/07/24 03:25	22	21	42	1	9.8	87	1.6	320	14
13/07/24 03:30	21	21	42	1	9.8	87	1.7	332	13
13/07/24 03:35	21	21	42	1	9.8	87	1.3	345	19
13/07/24 03:40	23	22	44	1	9.8	87	2.1	359	12
13/07/24 03:45	29	21	51	1	9.7	87	2.4	2	6
13/07/24 03:50	32	23	55	1	9.7	88	1.8	360	9
13/07/24 03:55	33	22	56	1	9.7	89	1.4	1	18
13/07/24 04:00	37	21	57	1	9.6	90	1.8	357	17
13/07/24 04:05	38	21	59	1	9.6	91	2.1	349	18
13/07/24 04:10	37	22	59	1	9.5	93	1.9	356	12
13/07/24 04:15	33	24	57	1	9.4	94	2.0	3	11
13/07/24 04:20	28	26	54	1	9.4	94	1.8	1	13
13/07/24 04:25	24	23	47	1	9.3	95	1.9	352	14
13/07/24 04:30	21	20	41	1	9.4	95	1.7	355	15
13/07/24 04:35	21	20	41	1	9.3	95	1.8	343	19
13/07/24 04:40	27	18	45	1	9.3	95	2.0	351	17
13/07/24 04:45	30	21	51	1	9.3	96	1.9	341	13
13/07/24 04:50	37	24	61	1	9.3	96	1.9	341	15
13/07/24 04:55	42	21	63	1	9.4	96	1.9	349	16
13/07/24 05:00	38	23	61	1	9.3	96	2.0	356	14
13/07/24 05:05	28	25	53	1	9.4	96	1.9	357	14
13/07/24 05:10	31	22	53	1	9.4	96	1.9	338	16
13/07/24 05:15	30	22	51	1	9.4	96	1.9	339	17
13/07/24 05:20	26	22	49	1	9.6	96	1.9	343	15
13/07/24 05:25	23	22	45	1	9.6	96	2.4	354	12
13/07/24 05:30	18	23	40	1	9.7	96	1.8	342	21
13/07/24 05:35	15	21	36	1	9.7	96	1.5	344	14
13/07/24 05:40	16	22	38	1	9.8	96	2.0	4	9
13/07/24 05:45	25	22	47	1	9.7	96	2.2	357	13
13/07/24 05:50	29	22	52	1	9.7	96	2.0	345	16

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
13/07/24 05:55	25	25	49	1	9.8	96	2.3	331	12
13/07/24 06:00	19	25	44	1	10.0	95	1.6	350	16
13/07/24 06:05	22	23	45	1	10.0	95	0.8	349	23
13/07/24 06:10	25	22	47	1	9.9	95	1.2	345	11
13/07/24 06:15	26	22	48	1	9.9	95	1.6	336	13
13/07/24 06:20	26	22	48	1	10.0	95	1.7	357	13
13/07/24 06:25	27	22	49	1	9.9	95	1.2	343	18
13/07/24 06:30	25	22	47	1	9.9	95	1.5	335	15
13/07/24 06:35	21	22	43	1	9.9	95	1.8	333	13
13/07/24 06:40	15	23	38	1	10.0	95	1.4	325	13
13/07/24 06:45	15	22	37	1	9.9	94	1.8	334	12
13/07/24 06:50	16	21	37	1	10.0	94	1.2	333	17
13/07/24 06:55	17	21	38	1	9.9	94	1.3	333	15
13/07/24 07:00	19	21	40	1	9.9	94	1.6	333	14
13/07/24 07:05	22	21	42	1	9.8	94	1.6	329	19
13/07/24 07:10	21	22	43	1	10.0	94	2.1	315	12
13/07/24 07:15	19	23	42	1	10.1	93	2.4	310	11
13/07/24 07:20	17	23	40	1	10.2	92	2.5	309	8
13/07/24 07:25	15	23	38	1	10.3	92	1.9	316	12
13/07/24 07:30	23	23	46	1	10.1	92	1.1	328	18
13/07/24 07:35	28	22	50	1	10.0	93	1.0	328	23
13/07/24 07:40	28	22	51	1	9.9	93	1.2	322	20
13/07/24 07:45	27	23	50	1	9.9	93	2.1	310	9
13/07/24 07:50	23	25	47	1	9.9	93	1.8	309	9
13/07/24 07:55	22	25	47	1	10.0	92	1.2	314	18
13/07/24 08:00	26	23	49	1	9.9	92	1.3	314	15
13/07/24 08:05	32	23	54	1	9.8	93	1.4	324	16
13/07/24 08:10	37	22	59	1	9.7	93	0.8	318	24
13/07/24 08:15	43	24	67	1	9.6	93	0.8	330	28
13/07/24 08:20	43	25	68	2	9.6	93	1.1	316	14
13/07/24 08:25	40	26	66	2	9.8	92	1.5	315	20
13/07/24 08:30	36	29	65	2	10.1	91	1.2	322	23
13/07/24 08:35	36	28	64	2	10.2	90	1.1	335	31
13/07/24 08:40	47	23	70	2	10.5	89	1.2	1	17
13/07/24 08:45	50	27	77	2	10.5	88	1.0	345	27
13/07/24 08:50	50	27	77	2	10.7	87	0.9	332	28
13/07/24 08:55	49	27	76	2	10.7	87	1.1	315	16
13/07/24 09:00	45	27	72	2	10.8	86	1.4	306	12
13/07/24 09:05	41	29	70	2	10.8	86	1.4	292	16
13/07/24 09:10	39	29	68	2	11.0	86	1.4	285	11
13/07/24 09:15	37	28	65	2	11.0	84	2.2	298	12
13/07/24 09:20	36	26	62	2	11.1	85	1.8	287	14
13/07/24 09:25	33	26	59	2	11.2	85	2.1	280	13
13/07/24 09:30	17	20	37	2	11.2	84	4.0	266	6
13/07/24 09:35	6	10	16	2	11.3	84	4.4	262	7
13/07/24 09:40	6	10	16	2	11.3	83	4.8	260	5
13/07/24 09:45	5	10	16	2	11.4	84	4.8	257	9
13/07/24 09:50	6	10	16	2	11.4	82	5.4	253	7
13/07/24 09:55	5	10	15	2	11.4	83	5.3	260	8
13/07/24 10:00	5	6	11	2	11.3	83	6.1	249	8
13/07/24 10:05	4	3	8	2	11.2	83	5.9	252	5
13/07/24 10:10	4	6	10	2	11.2	84	4.8	250	6
13/07/24 10:15	4	9	13	2	11.3	83	4.6	258	9
13/07/24 10:20	4	10	14	2	11.4	83	4.8	268	5
13/07/24 10:25	4	3	6	2	11.5	83	5.4	264	5
13/07/24 10:30	3	3	6	2	11.5	82	5.2	261	5
13/07/24 10:35	3	3	6	2	11.6	81	5.3	261	4
13/07/24 10:40	4	7	11	2	11.7	80	4.9	261	5
13/07/24 10:45	4	10	14	2	11.8	80	4.3	261	5
13/07/24 10:50	4	15	19	2	11.9	80	3.8	258	7
13/07/24 10:55	5	13	18	2	12.0	78	3.7	255	8
13/07/24 11:00	4	7	11	2	12.1	79	4.0	259	8
13/07/24 11:05	4	10	14	2	12.1	78	3.9	244	12
13/07/24 11:10	4	3	7	2	12.1	77	4.0	237	8
13/07/24 11:15	3	3	6	2	12.2	77	4.6	232	4
13/07/24 11:20	2	3	4	2	12.2	78	4.5	238	5
13/07/24 11:25	1	2	4	2	12.1	79	4.4	236	7
13/07/24 11:30	1	2	4	2	12.2	78	4.7	234	8
13/07/24 11:35	1	3	4	1	12.2	78	4.6	230	4
13/07/24 11:40	1	3	4	2	12.1	78	4.2	230	5
13/07/24 11:45	1	2	3	2	12.2	76	4.2	239	7
13/07/24 11:50	1	3	3	2	12.3	75	4.6	238	9
13/07/24 11:55	1	2	3	2	12.3	75	4.7	232	7
13/07/24 12:00	1	2	3	2	12.4	76	4.4	230	6
13/07/24 12:05	1	2	3	2	12.4	76	4.3	235	10
13/07/24 12:10	1	2	2	1	12.4	77	4.3	233	6
13/07/24 12:15	1	2	2	1	12.6	75	4.7	237	7
13/07/24 12:20	0	2	2	1	12.5	74	5.0	223	4
13/07/24 12:25	0	2	2	1	12.6	76	4.6	226	5
13/07/24 12:30	0	2	2	1	12.5	78	4.4	223	4
13/07/24 12:35	0	2	2	1	12.4	79	4.8	221	3
13/07/24 12:40	0	2	2	1	12.5	78	4.5	219	2
13/07/24 12:45	0	2	2	1	12.4	78	4.5	219	4
13/07/24 12:50	0	2	2	1	12.5	78	3.8	222	4
13/07/24 12:55	0	2	2	1	12.5	78	3.5	211	8
13/07/24 13:00	1	3	3	2	12.5	79	4.1	206	5

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
13/07/24 13:05	1	3	3	2	12.4	77	4.8	212	4
13/07/24 13:10	1	2	3	2	12.6	76	4.6	217	6
13/07/24 13:15	1	2	2	2	12.6	77	4.5	221	4
13/07/24 13:20	1	2	2	2	12.6	77	4.7	220	5
13/07/24 13:25	1	1	2	2	12.7	75	5.3	219	4
13/07/24 13:30	1	1	2	1	12.6	74	5.3	221	6
13/07/24 13:35	0	1	2	1	12.6	75	5.3	217	4
13/07/24 13:40	1	1	2	1	12.6	75	4.9	216	7
13/07/24 13:45	1	2	3	1	12.5	74	5.1	220	5
13/07/24 13:50	2	5	7	1	12.7	74	4.7	221	7
13/07/24 13:55	1	5	6	1	12.8	76	3.8	212	6
13/07/24 14:00	2	7	9	1	12.8	76	3.8	203	9
13/07/24 14:05	2	4	6	1	13.0	74	3.3	198	7
13/07/24 14:10	2	5	8	1	13.3	71	4.2	199	7
13/07/24 14:15	2	4	6	1	13.2	73	4.0	202	5
13/07/24 14:20	2	2	4	2	12.9	75	4.3	201	4
13/07/24 14:25	2	3	4	1	12.8	77	3.2	196	9
13/07/24 14:30	2	5	7	1	12.7	78	3.3	187	11
13/07/24 14:35	2	5	6	1	12.7	80	2.8	188	12
13/07/24 14:40	1	2	4	1	13.1	78	2.1	183	14
13/07/24 14:45	1	2	3	1	13.6	76	2.2	179	16
13/07/24 14:50	1	2	3	1	13.3	75	2.5	169	16
13/07/24 14:55	1	2	2	1	13.1	77	2.0	164	19
13/07/24 15:00	0	1	2	1	13.3	76	2.1	168	20
13/07/24 15:05	0	1	2	1	13.1	77	2.5	186	18
13/07/24 15:10	0	1	2	1	12.9	76	3.3	192	9
13/07/24 15:15	0	1	2	1	12.7	76	3.2	199	7
13/07/24 15:20	0	1	2	1	12.4	78	2.8	198	8
13/07/24 15:25	0	1	2	1	12.4	78	2.6	200	6
13/07/24 15:30	0	2	2	1	12.8	75	2.0	198	10
13/07/24 15:35	0	1	2	1	13.2	72	2.2	198	9
13/07/24 15:40	0	1	1	1	13.0	72	1.9	200	9
13/07/24 15:45	0	1	1	1	12.6	75	2.4	203	5
13/07/24 15:50	0	1	1	1	12.3	78	2.3	201	3
13/07/24 15:55	0	2	2	1	12.2	80	1.3	188	17
13/07/24 16:00	0	2	2	1	12.3	79	1.0	169	21
13/07/24 16:05	0	1	2	1	12.4	79	1.3	169	19
13/07/24 16:10	0	1	2	1	12.4	79	1.3	162	23
13/07/24 16:15	0	2	2	1	12.4	79	1.2	167	22
13/07/24 16:20	0	1	2	1	12.4	80	1.6	166	19
13/07/24 16:25	0	1	1	1	12.3	80	1.4	163	26
13/07/24 16:30	0	1	1	1	12.3	82	1.1	157	33
13/07/24 16:35	0	1	1	1	12.2	83	1.5	144	22
13/07/24 16:40	0	1	1	1	12.1	82	1.4	136	15
13/07/24 16:45	0	1	1	1	12.0	83	1.0	129	19
13/07/24 16:50	0	1	1	1	12.0	84	1.3	116	14
13/07/24 16:55	0	1	1	1	12.0	83	0.9	121	14
13/07/24 17:00	0	1	1	1	12.1	83	1.0	151	20
13/07/24 17:05	0	1	1	1	12.0	83	0.7	163	33
13/07/24 17:10	0	1	1	1	12.0	83	0.7	185	27
13/07/24 17:15	0	2	1	1	12.0	84	0.8	196	11
13/07/24 17:20	0	2	1	1	12.0	83	0.5	157	26
13/07/24 17:25	0	2	2	1	12.0	84	1.4	202	15
13/07/24 17:30	0	3	3	1	12.0	85	1.4	203	9
13/07/24 17:35	0	3	3	1	12.0	84	2.9	201	8
13/07/24 17:40	0	3	3	1	12.1	81	3.9	200	5
13/07/24 17:45	0	3	3	1	12.0	81	5.1	203	7
13/07/24 17:50	1	3	4	1	11.6	85	6.3	224	5
13/07/24 17:55	0	2	2	1	11.2	88	3.9	204	13
13/07/24 18:00	0	2	2	1	11.0	86	3.6	198	6
13/07/24 18:05	0	2	3	1	11.0	88	3.2	200	7
13/07/24 18:10	0	3	3	1	11.3	88	2.9	200	7
13/07/24 18:15	0	4	5	1	11.4	87	3.0	192	15
13/07/24 18:20	0	4	4	1	11.5	85	2.6	190	10
13/07/24 18:25	0	2	2	1	11.5	86	2.5	186	14
13/07/24 18:30	0	1	1	1	11.6	84	2.8	187	13
13/07/24 18:35	0	1	1	1	11.6	83	2.5	192	10
13/07/24 18:40	0	1	1	1	11.7	83	1.4	189	11
13/07/24 18:45	0	1	1	1	11.5	84	1.5	194	10
13/07/24 18:50	0	1	1	1	11.6	82	1.8	199	8
13/07/24 18:55	0	1	1	1	11.5	82	2.0	199	6
13/07/24 19:00	0	1	1	1	11.6	83	1.7	197	10
13/07/24 19:05	0	2	2	1	11.6	84	2.2	197	8
13/07/24 19:10	0	2	2	1	11.6	85	3.4	194	9
13/07/24 19:15	0	2	2	1	11.2	89	3.7	189	11
13/07/24 19:20	0	2	2	1	10.9	92	2.5	187	12
13/07/24 19:25	0	2	2	1	10.9	93	2.2	190	11
13/07/24 19:30	0	1	1	1	10.9	93	1.9	188	13
13/07/24 19:35	0	1	1	1	10.8	93	1.8	190	10
13/07/24 19:40	0	1	1	1	10.8	93	1.8	189	13
13/07/24 19:45	0	1	1	1	10.9	92	1.7	192	10
13/07/24 19:50	0	1	1	1	10.8	91	1.6	190	12
13/07/24 19:55	0	1	1	1	11.0	91	1.4	187	14
13/07/24 20:00	0	1	1	1	10.9	91	1.2	189	13
13/07/24 20:05	0	1	1	1	11.0	91	1.3	191	12
13/07/24 20:10	0	2	2	1	11.0	93	1.8	181	13

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
13/07/24 20:15	0	2	2	1	10.8	92	2.0	194	19
13/07/24 20:20	0	2	2	1	10.9	92	4.3	215	12
13/07/24 20:25	0	2	2	1	11.0	92	3.1	222	9
13/07/24 20:30	0	2	2	1	11.0	90	4.0	213	6
13/07/24 20:35	0	2	2	1	11.0	88	4.5	211	7
13/07/24 20:40	0	2	2	1	11.1	88	4.2	219	4
13/07/24 20:45	0	2	2	1	10.9	90	4.0	222	4
13/07/24 20:50	0	2	1	1	10.9	90	3.5	219	4
13/07/24 20:55	0	2	1	1	11.0	90	3.6	224	4
13/07/24 21:00	0	2	1	1	11.0	89	3.6	222	4
13/07/24 21:05	0	1	1	1	11.0	89	2.8	200	14
13/07/24 21:10	0	1	1	1	10.8	88	2.8	192	8
13/07/24 21:15	0	1	1	1	10.8	88	2.8	193	7
13/07/24 21:20	0	1	1	1	10.9	89	2.1	189	8
13/07/24 21:25	0	1	1	1	10.8	90	1.6	191	14
13/07/24 21:30	0	1	1	1	10.8	90	1.4	188	9
13/07/24 21:35	0	1	1	1	10.7	90	1.5	202	9
13/07/24 21:40	0	1	1	1	10.8	90	1.6	223	15
13/07/24 21:45	0	1	1	1	10.8	91	2.7	240	6
13/07/24 21:50	0	1	1	1	10.8	91	3.2	265	9
13/07/24 21:55	0	2	2	1	10.6	92	2.6	272	8
13/07/24 22:00	0	2	2	1	10.6	92	2.2	274	11
13/07/24 22:05	0	3	3	1	10.6	92	1.4	284	14
13/07/24 22:10	0	3	3	1	10.5	92	1.8	272	12
13/07/24 22:15	0	4	3	1	10.4	93	2.7	264	7
13/07/24 22:20	0	4	4	1	10.4	93	2.7	261	8
13/07/24 22:25	0	4	4	1	10.4	93	3.0	268	5
13/07/24 22:30	0	5	5	1	10.4	93	3.0	266	5
13/07/24 22:35	0	5	5	1	10.4	93	2.8	268	8
13/07/24 22:40	0	6	6	1	10.3	93	2.0	271	10
13/07/24 22:45	0	7	7	1	10.3	94	1.7	273	10
13/07/24 22:50	0	8	7	1	10.3	94	2.4	271	10
13/07/24 22:55	0	8	8	1	10.1	94	3.5	265	6
13/07/24 23:00	0	9	9	1	10.1	93	3.3	266	5
13/07/24 23:05	0	10	9	1	10.1	93	2.9	269	7
13/07/24 23:10	0	9	9	1	10.1	93	3.0	270	7
13/07/24 23:15	0	9	9	1	10.1	93	3.3	262	6
13/07/24 23:20	0	10	10	1	10.0	93	3.3	264	8
13/07/24 23:25	0	11	11	0	10.0	93	3.0	254	8
13/07/24 23:30	1	14	15	1	10.1	92	2.6	252	8
13/07/24 23:35	1	18	19	1	10.1	92	2.3	262	7
13/07/24 23:40	1	15	16	1	10.1	92	2.0	267	11
13/07/24 23:45	1	14	15	1	10.0	92	2.2	268	6
13/07/24 23:50	1	13	14		10.0	92	3.1	264	6
13/07/24 23:55	1	13	14		9.9	93	2.9	271	5
14/07/24 00:00	0	12	12	1	9.9	93	2.8	267	5
14/07/24 00:05	0	11	12	1	9.9	93	2.6	268	7
14/07/24 00:10	0	11	11	1	9.9	93	1.8	275	13
14/07/24 00:15	0	10	10	1	9.9	93	1.5	280	12
14/07/24 00:20	0	10	10	1	9.7	93	1.4	280	14
14/07/24 00:25	0	10	10	1	9.8	93	1.8	276	8
14/07/24 00:30	0	10	10	1	9.7	93	2.1	274	10
14/07/24 00:35	0	10	11	1	9.7	93	1.6	279	11
14/07/24 00:40	0	11	11	1	9.7	93	1.8	280	11
14/07/24 00:45	0	11	12	1	9.7	93	1.6	277	14
14/07/24 00:50	0	12	12	1	9.6	93	2.3	275	7
14/07/24 00:55	0	12	12	1	9.6	93	1.8	279	11
14/07/24 01:00	0	12	12	1	9.6	93	2.3	272	10
14/07/24 01:05					9.6	93	3.5	264	6
14/07/24 01:10					9.6	92	4.0	257	7
14/07/24 01:15					9.6	91	4.1	256	8
14/07/24 01:20					9.6	91	4.6	253	8
14/07/24 01:25					9.6	90	5.2	242	6
14/07/24 01:30					9.5	90	5.5	241	6
14/07/24 01:35					9.5	91	5.6	235	5
14/07/24 01:40					9.7	91	5.9	235	4
14/07/24 01:45					9.5	92	4.9	238	6
14/07/24 01:50					9.6	92	4.7	242	6
14/07/24 01:55					9.5	91	4.5	250	6
14/07/24 02:00					9.5	91	4.0	254	8
14/07/24 02:05	1	12	12	1	9.4	91	4.5	257	7
14/07/24 02:10	1	11	12	1	9.3	90	4.6	257	7
14/07/24 02:15	1	11	12	1	9.3	90	4.0	259	7
14/07/24 02:20	1	11	12	1	9.3	90	4.5	258	7
14/07/24 02:25	1	11	12	1	9.3	90	4.5	253	6
14/07/24 02:30	1	11	12	1	9.2	90	4.1	255	8
14/07/24 02:35	1	12	13	1	9.2	90	4.9	256	5
14/07/24 02:40	1	12	13	1	9.1	90	4.4	258	6
14/07/24 02:45	1	12	14	1	9.1	90	4.3	257	7
14/07/24 02:50	1	12	13	1	9.0	90	4.8	253	7
14/07/24 02:55	1	11	12	1	9.0	90	4.4	253	7
14/07/24 03:00	1	11	12	1	8.9	90	4.8	254	6
14/07/24 03:05	1	10	11	1	9.0	90	5.1	251	8
14/07/24 03:10	1	9	10	1	8.9	91	4.7	256	8
14/07/24 03:15	1	9	10	1	9.0	90	4.7	247	7
14/07/24 03:20	1	9	10	1	8.8	90	4.6	238	6

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/07/24 03:25	1	10	11	1	8.8	90	4.8	247	6
14/07/24 03:30	1	10	11	1	8.7	90	4.7	243	7
14/07/24 03:35	1	10	11	1	8.7	91	4.3	249	8
14/07/24 03:40	1	11	12	1	8.7	91	4.8	254	8
14/07/24 03:45	1	11	12	1	8.7	92	5.3	262	6
14/07/24 03:50	1	11	12	1	8.5	92	5.0	266	5
14/07/24 03:55	1	13	14	1	8.5	92	4.8	265	5
14/07/24 04:00	1	2	3	1	8.6	92	5.1	267	6
14/07/24 04:05	1	2	3	1	8.6	92	5.2	263	6
14/07/24 04:10	1	2	3	1	8.6	93	5.0	263	6
14/07/24 04:15	0	2	3	1	8.6	93	4.7	260	4
14/07/24 04:20	0	3	3	1	8.7	93	4.7	258	6
14/07/24 04:25	0	4	4	1	8.6	93	4.1	263	8
14/07/24 04:30	0	4	4	1	8.5	93	4.6	264	6
14/07/24 04:35	0	4	4	1	8.5	93	4.1	265	6
14/07/24 04:40	0	4	4	1	8.6	93	4.5	265	8
14/07/24 04:45	0	4	4	1	8.5	93	3.9	263	7
14/07/24 04:50	0	4	4	1	8.5	93	3.8	268	9
14/07/24 04:55	0	4	4	1	8.3	93	3.2	267	11
14/07/24 05:00	0	4	4	1	8.3	93	3.3	268	8
14/07/24 05:05	0	4	4	1	8.1	93	3.3	270	9
14/07/24 05:10	0	4	4	1	8.2	92	4.0	268	8
14/07/24 05:15	0	4	4	1	8.1	92	3.1	274	9
14/07/24 05:20	0	5	5	1	8.1	93	3.1	271	11
14/07/24 05:25	0	5	5	1	8.1	93	3.8	268	9
14/07/24 05:30	0	5	5	1	8.0	92	4.5	261	7
14/07/24 05:35	0	5	4	1	8.0	92	4.8	258	6
14/07/24 05:40	0	5	5	1	8.0	92	5.1	260	6
14/07/24 05:45	0	6	6	1	8.0	92	5.0	250	8
14/07/24 05:50	1	9	9	1	8.0	91	4.7	249	7
14/07/24 05:55	1	10	11	1	8.2	91	4.7	255	8
14/07/24 06:00	1	11	12	1	8.1	91	5.0	255	8
14/07/24 06:05	1	11	11	1	8.1	92	4.9	261	7
14/07/24 06:10	1	10	11	1	8.0	91	5.5	259	6
14/07/24 06:15	1	10	11	1	8.0	91	4.9	250	8
14/07/24 06:20	1	10	11	1	7.9	91	4.8	248	7
14/07/24 06:25	2	11	13	1	8.0	92	5.5	244	7
14/07/24 06:30	2	10	11	1	8.0	93	6.3	243	7
14/07/24 06:35	1	5	6	1	8.0	94	5.0	253	12
14/07/24 06:40	1	11	13	1	8.0	94	5.1	253	8
14/07/24 06:45	1	9	10	1	8.0	94	4.5	263	9
14/07/24 06:50	1	8	9	1	8.1	94	5.1	261	5
14/07/24 06:55	1	8	9	1	8.2	92	5.9	261	5
14/07/24 07:00	1	7	8	1	8.1	92	4.8	262	6
14/07/24 07:05	1	5	6	1	8.1	92	4.6	265	6
14/07/24 07:10	5	28	33	1	8.0	92	5.0	262	6
14/07/24 07:15	17	17	34	1	7.9	92	4.5	263	6
14/07/24 07:20	0	7	8	1	7.9	93	4.8	259	6
14/07/24 07:25	1	9	9	1	8.0	92	5.1	255	7
14/07/24 07:30	1	9	10	1	8.1	92	5.4	254	6
14/07/24 07:35	1	9	10	1	8.1	91	5.2	256	5
14/07/24 07:40	1	10	11	1	8.1	91	5.7	259	6
14/07/24 07:45	1	10	11	1	8.1	91	5.5	253	6
14/07/24 07:50	1	10	11	1	8.2	92	5.2	258	6
14/07/24 07:55	1	10	11	1	8.1	92	5.3	256	6
14/07/24 08:00	1	11	13	1	8.2	91	5.9	248	8
14/07/24 08:05	3	16	19	1	8.3	90	5.5	250	8
14/07/24 08:10	3	11	14	1	8.2	90	5.2	255	7
14/07/24 08:15	2	7	9	1	8.2	90	5.3	250	7
14/07/24 08:20	1	6	8	1	8.1	90	4.6	248	9
14/07/24 08:25	1	8	10	1	8.1	91	5.2	248	8
14/07/24 08:30	1	8	9	1	8.1	92	5.1	255	6
14/07/24 08:35	1	9	10	1	8.1	91	4.9	255	7
14/07/24 08:40	1	9	11	1	8.1	91	4.9	258	4
14/07/24 08:45	2	9	11	1	8.2	90	5.4	255	6
14/07/24 08:50	3	10	13	1	8.1	90	5.3	256	6
14/07/24 08:55	8	16	24	1	8.3	91	5.6	255	7
14/07/24 09:00	2	8	10	1	8.2	91	5.3	250	10
14/07/24 09:05	1	6	7	1	8.2	91	4.7	259	11
14/07/24 09:10	2	7	9	1	8.1	91	5.0	259	7
14/07/24 09:15	2	9	11	1	8.3	91	5.6	258	4
14/07/24 09:20	3	9	12	1	8.5	91	5.4	256	6
14/07/24 09:25	3	9	11	1	8.6	89	5.2	249	8
14/07/24 09:30	3	7	9	1	8.7	88	5.1	253	7
14/07/24 09:35	2	6	8	1	8.8	88	4.6	252	11
14/07/24 09:40	2	6	8	1	8.9	87	5.0	241	9
14/07/24 09:45	2	6	9	1	9.0	87	5.8	241	8
14/07/24 09:50	2	3	5	1	9.0	87	6.5	240	7
14/07/24 09:55	2	3	4	1	8.9	88	6.0	247	7
14/07/24 10:00	1	3	4	1	8.9	88	5.8	248	8
14/07/24 10:05	1	3	4	1	9.0	87	5.5	250	8
14/07/24 10:10	1	3	5	1	9.0	86	5.0	253	7
14/07/24 10:15	1	4	5	1	9.0	86	4.8	256	8
14/07/24 10:20	2	5	7	1	9.3	86	4.3	257	9
14/07/24 10:25	2	5	7	1	9.5	83	5.3	250	10
14/07/24 10:30	2	5	6	1	9.7	82	6.1	247	7

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/07/24 10:35	2	4	5	1	9.8	81	5.8	246	6
14/07/24 10:40	1	3	5	1	10.0	82	5.9	243	7
14/07/24 10:45	1	3	4	1	9.7	83	7.6	242	7
14/07/24 10:50	1	3	4	1	9.5	85	5.7	247	6
14/07/24 10:55	1	3	4	1	9.5	85	7.2	242	5
14/07/24 11:00	1	3	4	1	9.6	87	7.2	239	5
14/07/24 11:05	1	3	3	1	9.5	87	6.1	244	7
14/07/24 11:10	1	3	3	1	9.7	86	5.2	243	9
14/07/24 11:15	2	4	6	1	9.8	83	5.2	243	7
14/07/24 11:20	1	1	3	1	10.0	83	5.5	235	7
14/07/24 11:25	1	1	2	1	10.2	80	6.3	230	7
14/07/24 11:30	0	2	2	1	10.2	79	6.9	224	5
14/07/24 11:35	0	2	2	1	10.4	79	6.4	225	5
14/07/24 11:40	0	1	1	1	10.4	77	6.2	226	6
14/07/24 11:45	0	1	1	1	10.6	78	6.3	231	6
14/07/24 11:50	0	1	1	1	10.6	78	6.5	232	7
14/07/24 11:55	0	1	1	1	10.7	78	7.0	235	6
14/07/24 12:00	0	1	1	1	10.7	76	9.2	233	5
14/07/24 12:05	0	1	1	1	10.4	80	8.3	233	5
14/07/24 12:10	0	2	2	1	10.3	81	7.4	234	5
14/07/24 12:15	0	2	2	1	10.3	80	6.9	231	5
14/07/24 12:20	1	2	2	1	10.4	78	6.1	234	4
14/07/24 12:25	1	2	2	1	10.6	78	5.4	232	8
14/07/24 12:30	0	2	2	1	10.8	77	6.2	234	7
14/07/24 12:35	0	1	2	1	10.9	77	5.7	234	7
14/07/24 12:40	0	1	2	1	10.9	77	6.6	233	5
14/07/24 12:45	0	1	2	1	11.1	76	6.9	228	8
14/07/24 12:50	0	1	2	1	11.0	76	6.8	230	6
14/07/24 12:55	0	1	2	1	11.0	77	6.3	219	5
14/07/24 13:00	0	1	2	1	10.8	76	5.9	211	6
14/07/24 13:05	0	1	2	1	10.7	79	6.4	228	5
14/07/24 13:10	0	1	2	1	10.5	77	9.5	225	5
14/07/24 13:15	0	1	2	1	10.1	81	7.6	223	7
14/07/24 13:20	0	1	2	1	9.9	81	6.4	227	5
14/07/24 13:25	0	1	1	1	10.0	80	5.3	223	5
14/07/24 13:30	0	1	1	1	10.3	81	5.1	227	4
14/07/24 13:35	0	1	1	1	10.5	81	5.5	229	6
14/07/24 13:40	0	2	2	1	10.7	79	6.4	226	5
14/07/24 13:45	1	3	3	1	10.8	77	6.9	224	6
14/07/24 13:50	1	3	3	1	10.6	79	6.5	218	4
14/07/24 13:55	0	2	2	1	10.5	80	5.5	225	4
14/07/24 14:00	0	1	2	1	10.6	80	4.8	224	7
14/07/24 14:05	0	1	2	1	10.9	75	5.5	222	5
14/07/24 14:10	0	1	1	1	11.1	72	5.7	218	6
14/07/24 14:15	0	1	1	1	11.3	72	5.7	218	5
14/07/24 14:20	0	1	1	1	11.2	73	6.2	221	5
14/07/24 14:25	0	1	1	1	11.4	74	5.8	229	4
14/07/24 14:30	0	1	1	1	11.4	75	5.3	229	6
14/07/24 14:35	0	1	1	1	11.5	75	5.8	225	6
14/07/24 14:40	0	1	1	1	11.5	74	6.1	230	6
14/07/24 14:45	0	1	1	1	11.5	75	5.1	226	5
14/07/24 14:50	0	1	1	1	11.6	73	5.6	223	4
14/07/24 14:55	0	1	1	1	11.7	73	5.1	227	7
14/07/24 15:00	0	1	1	1	11.7	72	5.2	225	5
14/07/24 15:05	0	1	1	1	11.8	68	5.4	224	5
14/07/24 15:10	0	1	1	1	12.0	67	6.2	215	7
14/07/24 15:15	0	1	2	1	12.0	65	6.1	211	5
14/07/24 15:20	1	3	4	1	12.2	65	6.4	215	4
14/07/24 15:25	1	2	3	1	12.1	67	7.3	222	9
14/07/24 15:30	1	1	2	1	11.7	70	8.8	226	5
14/07/24 15:35	1	1	1	1	11.6	73	7.7	227	4
14/07/24 15:40	0	1	1	1	11.6	73	6.6	226	4
14/07/24 15:45	0	1	1	1	11.5	72	6.5	228	5
14/07/24 15:50	0	1	1	1	11.6	72	6.6	232	5
14/07/24 15:55	0	1	1	1	11.6	72	6.3	230	6
14/07/24 16:00	0	1	1	1	11.6	70	6.3	234	4
14/07/24 16:05	0	1	1	1	11.6	70	6.0	230	5
14/07/24 16:10	0	1	1	1	11.7	70	6.0	231	5
14/07/24 16:15	0	1	1	1	11.5	71	6.2	231	4
14/07/24 16:20	0	1	1	1	11.6	73	6.4	227	7
14/07/24 16:25	0	1	1	1	11.6	72	5.8	228	5
14/07/24 16:30	0	1	1	1	11.6	73	5.7	223	6
14/07/24 16:35	0	1	1	1	11.7	69	7.2	216	6
14/07/24 16:40	0	1	1	1	11.7	68	7.4	215	4
14/07/24 16:45	0	1	1	1	11.7	68	7.6	218	4
14/07/24 16:50	0	1	1	1	11.7	68	6.8	218	4
14/07/24 16:55	0	1	1	1	11.6	68	6.7	216	3
14/07/24 17:00	0	1	1	1	11.7	68	6.5	218	4
14/07/24 17:05	0	1	1	1	11.7	69	5.9	219	3
14/07/24 17:10	0	1	1	1	11.7	69	5.8	214	3
14/07/24 17:15	0	1	1	1	11.6	72	5.5	222	5
14/07/24 17:20	0	1	1	1	11.6	74	5.9	228	5
14/07/24 17:25	0	1	1	1	11.6	75	6.6	231	4
14/07/24 17:30	0	1	1	1	11.4	76	6.5	232	5
14/07/24 17:35	0	1	1	1	11.4	76	6.2	230	5
14/07/24 17:40	0	1	1	1	11.4	76	5.7	229	4

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/07/24 17:45	0	1	1	1	11.5	76	5.9	233	4
14/07/24 17:50	0	1	1	1	11.4	76	5.1	237	6
14/07/24 17:55	0	1	1	1	11.3	75	5.0	239	7
14/07/24 18:00	0	1	1	1	11.3	75	5.0	244	5
14/07/24 18:05	0	2	2	1	11.2	74	5.6	247	9
14/07/24 18:10	0	2	2	1	11.2	74	5.8	244	8
14/07/24 18:15	0	2	2	1	11.1	74	5.9	243	8
14/07/24 18:20	0	2	2	1	11.2	75	5.3	245	7
14/07/24 18:25	0	2	2	1	11.0	75	5.9	235	6
14/07/24 18:30	0	2	2	1	11.1	74	8.2	231	9
14/07/24 18:35	0	2	2	1	10.8	74	6.6	232	3
14/07/24 18:40	0	2	3	1	11.1	76	6.7	231	3
14/07/24 18:45	0	2	2	1	11.2	77	5.7	240	8
14/07/24 18:50	0	2	2	1	11.0	78	4.6	252	7
14/07/24 18:55	0	5	5	1	10.9	78	5.0	256	8
14/07/24 19:00	0	8	8	1	10.8	77	5.4	256	6
14/07/24 19:05	0	7	7	1	10.7	77	5.1	252	7
14/07/24 19:10	0	6	6	1	10.6	80	5.0	237	8
14/07/24 19:15	0	5	5	1	10.4	82	4.1	253	7
14/07/24 19:20	0	5	5	1	10.3	80	4.5	255	8
14/07/24 19:25	0	5	5	1	10.4	79	4.8	254	6
14/07/24 19:30	0	6	6	1	10.4	79	5.0	255	7
14/07/24 19:35	0	7	7	1	10.3	78	4.7	257	6
14/07/24 19:40	0	9	9	1	10.3	78	5.0	256	7
14/07/24 19:45	0	12	13	1	10.1	80	4.3	262	5
14/07/24 19:50	1	15	15	1	10.0	80	4.2	264	8
14/07/24 19:55	1	14	15	1	10.1	80	5.2	263	8
14/07/24 20:00	1	13	14	1	10.1	82	4.9	260	7
14/07/24 20:05	1	14	14	1	10.0	81	4.8	260	6
14/07/24 20:10	0	13	14	1	10.0	81	4.9	251	9
14/07/24 20:15	1	13	14	1	10.1	80	4.7	254	7
14/07/24 20:20	1	13	13	1	10.0	81	4.9	260	7
14/07/24 20:25	1	13	13	1	10.0	81	5.6	263	6
14/07/24 20:30	1	12	13	1	9.9	81	6.2	257	11
14/07/24 20:35	1	12	12	1	10.0	81	5.2	259	8
14/07/24 20:40	1	11	12	1	9.8	82	5.6	262	5
14/07/24 20:45	1	11	12	1	9.8	82	5.2	266	5
14/07/24 20:50	1	11	11	1	9.8	82	5.1	262	7
14/07/24 20:55	1	11	12	1	9.7	83	4.6	264	6
14/07/24 21:00	1	11	12	1	9.6	83	4.7	265	4
14/07/24 21:05	1	11	12	1	9.7	83	4.8	262	5
14/07/24 21:10	1	11	12	2	9.6	83	5.0	264	5
14/07/24 21:15	1	11	11	2	9.6	83	4.7	263	7
14/07/24 21:20	1	11	11	2	9.6	84	3.7	267	8
14/07/24 21:25	0	11	11	1	9.5	84	3.7	266	8
14/07/24 21:30	0	11	11	1	9.4	84	3.2	271	9
14/07/24 21:35	0	11	11	1	9.4	84	3.0	273	11
14/07/24 21:40	0	10	11	1	9.3	85	3.5	270	8
14/07/24 21:45	0	10	10	1	9.2	85	3.6	270	9
14/07/24 21:50	0	10	10	1	9.3	86	3.2	274	9
14/07/24 21:55	0	9	10	1	9.3	86	2.7	283	11
14/07/24 22:00	0	10	10	1	9.1	86	3.1	276	10
14/07/24 22:05	1	14	15	1	9.2	86	4.0	275	11
14/07/24 22:10	1	9	10	1	9.1	86	4.4	273	8
14/07/24 22:15	1	6	7	1	9.1	86	4.1	274	9
14/07/24 22:20	1	7	7	1	9.1	86	4.3	273	8
14/07/24 22:25	1	7	7	1	9.1	86	4.7	269	6
14/07/24 22:30	0	7	7	2	9.1	87	4.7	268	6
14/07/24 22:35	0	7	8	2	9.1	86	5.2	268	4
14/07/24 22:40	0	8	8	1	9.1	87	4.7	268	5
14/07/24 22:45	0	8	8	1	9.1	86	4.2	268	9
14/07/24 22:50	0	8	8	1	9.1	87	4.5	267	8
14/07/24 22:55	0	8	8	1	9.2	87	4.6	269	10
14/07/24 23:00	0	7	8	1	9.1	87	3.6	274	10
14/07/24 23:05	0	7	7	1	9.0	88	3.4	277	9
14/07/24 23:10	0	7	7	1	8.9	88	2.9	282	14
14/07/24 23:15	0	7	7	1	8.9	88	2.6	281	12
14/07/24 23:20	0	7	7	1	8.8	88	3.2	278	11
14/07/24 23:25	0	7	7	1	8.9	88	3.0	281	12
14/07/24 23:30	0	7	7	1	8.8	89	3.5	275	9
14/07/24 23:35	0	8	8	1	9.0	89	4.4	272	8
14/07/24 23:40	0	8	8	1	9.1	88	4.8	271	8
14/07/24 23:45	0	8	8	1	9.1	87	5.5	269	6
14/07/24 23:50	0	7	7		9.2	87	5.5	268	5
14/07/24 23:55	0	7	7		9.3	87	5.5	266	7
15/07/24 00:00	0	6	6	1	9.4	87	6.0	264	4
15/07/24 00:05	0	6	6	1	9.3	86	6.4	267	5
15/07/24 00:10	0	6	6	1	9.4	87	5.5	269	5
15/07/24 00:15	0	5	5	1	9.3	87	4.8	273	8
15/07/24 00:20	0	5	5	1	9.3	87	5.5	271	6
15/07/24 00:25	0	4	4	1	9.2	87	6.0	272	8
15/07/24 00:30	0	4	4	1	9.2	87	5.8	268	7
15/07/24 00:35	0	4	4	1	9.2	88	6.1	265	6
15/07/24 00:40	0	4	4	1	9.2	87	5.9	264	5
15/07/24 00:45	0	5	5	1	9.3	88	6.0	263	5
15/07/24 00:50	0	5	5	1	9.3	88	5.8	264	5

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
15/07/24 00:55	0	6	6	1	9.2	89	5.6	264	6
15/07/24 01:00	0	6	6	0	9.2	88	5.8	264	4
15/07/24 01:05					9.3	88	5.9	263	6
15/07/24 01:10					9.3	88	5.4	265	8
15/07/24 01:15					9.2	88	5.2	268	8
15/07/24 01:20					9.2	87	5.3	270	7
15/07/24 01:25					9.2	88	4.7	271	10
15/07/24 01:30					9.0	88	4.7	274	11
15/07/24 01:35					9.1	88	4.0	273	11
15/07/24 01:40					9.0	88	3.1	282	15
15/07/24 01:45					8.9	88	3.7	281	11
15/07/24 01:50					8.8	88	3.4	279	13
15/07/24 01:55					8.8	88	3.8	278	12
15/07/24 02:00					8.8	88	4.1	278	10
15/07/24 02:05	0	5	6	0	8.7	87	4.2	275	10
15/07/24 02:10	0	5	5	1	8.7	87	3.6	277	12
15/07/24 02:15	0	5	5	1	8.6	87	3.5	278	11
15/07/24 02:20	0	5	5	1	8.6	88	3.5	276	12
15/07/24 02:25	0	5	5	1	8.6	88	3.3	280	11
15/07/24 02:30	0	5	5	1	8.5	88	2.8	287	14
15/07/24 02:35	0	5	5	1	8.6	88	3.2	278	13
15/07/24 02:40	0	5	5	1	8.4	88	3.9	277	10
15/07/24 02:45	0	5	5	0	8.4	88	3.7	277	11
15/07/24 02:50	0	5	5	0	8.4	88	3.3	280	10
15/07/24 02:55	0	5	5	0	8.4	87	3.2	282	13
15/07/24 03:00	0	5	5	0	8.5	87	3.1	280	9
15/07/24 03:05	0	5	5	0	8.5	87	3.2	277	9
15/07/24 03:10	0	5	5	1	8.5	86	3.9	274	8
15/07/24 03:15	0	5	5	1	8.5	86	4.1	276	9
15/07/24 03:20	0	6	6	1	8.6	86	3.9	275	9
15/07/24 03:25	0	6	6	1	8.6	86	4.5	275	8
15/07/24 03:30	0	6	6	0	8.6	86	4.4	275	10
15/07/24 03:35	0	6	6	1	8.5	86	3.8	277	10
15/07/24 03:40	0	6	6	0	8.5	86	3.7	277	14
15/07/24 03:45	0	6	6	0	8.4	86	3.7	279	13
15/07/24 03:50	0	6	6	0	8.4	86	4.4	278	11
15/07/24 03:55	0	6	6	0	8.4	86	4.4	277	7
15/07/24 04:00	0	6	6	0	8.4	87	4.2	275	10
15/07/24 04:05	0	6	6	0	8.4	87	4.2	276	10
15/07/24 04:10	0	6	6	0	8.4	87	4.6	274	9
15/07/24 04:15	0	6	6	1	8.4	87	4.1	272	7
15/07/24 04:20	0	5	6	0	8.5	87	4.3	274	9
15/07/24 04:25	0	5	6	0	8.5	88	4.4	272	7
15/07/24 04:30	0	5	5	0	8.5	88	4.2	273	9
15/07/24 04:35	0	6	6	0	8.5	88	3.7	274	10
15/07/24 04:40	0	6	6	0	8.5	88	4.1	274	10
15/07/24 04:45	0	6	6	0	8.4	88	3.9	273	10
15/07/24 04:50	0	6	6	1	8.3	88	4.2	275	10
15/07/24 04:55	0	7	7	1	8.4	89	3.7	277	12
15/07/24 05:00	0	7	7	1	8.4	89	4.4	272	10
15/07/24 05:05	0	8	8	1	8.3	89	4.2	273	10
15/07/24 05:10	0	8	9	0	8.4	89	4.2	273	10
15/07/24 05:15	1	9	10	1	8.4	89	4.1	273	10
15/07/24 05:20	1	11	11	1	8.4	88	4.5	270	9
15/07/24 05:25	1	11	12	0	8.4	88	4.5	270	7
15/07/24 05:30	1	11	12	0	8.3	88	5.6	267	7
15/07/24 05:35	1	11	11	0	8.5	87	5.3	266	7
15/07/24 05:40	1	11	11	0	8.5	88	4.9	267	8
15/07/24 05:45	0	11	11	0	8.4	87	4.6	271	9
15/07/24 05:50	0	10	11	1	8.5	88	4.6	271	8
15/07/24 05:55	0	10	10	0	8.5	87	4.8	269	10
15/07/24 06:00	1	11	11	0	8.4	88	3.4	277	11
15/07/24 06:05	1	17	18	0	8.2	88	3.5	278	13
15/07/24 06:10	1	19	20	0	8.2	89	3.3	278	11
15/07/24 06:15	1	19	20	0	8.2	88	4.0	278	12
15/07/24 06:20	2	19	21	0	8.3	88	4.0	275	10
15/07/24 06:25	2	20	22	1	8.2	89	3.6	279	9
15/07/24 06:30	2	23	25	0	8.1	88	3.8	277	11
15/07/24 06:35	3	23	26	0	8.1	88	3.8	278	10
15/07/24 06:40	3	23	26	0	8.0	88	3.5	276	12
15/07/24 06:45	3	23	26	0	8.1	89	4.2	277	10
15/07/24 06:50	3	23	26	0	8.2	88	4.4	274	9
15/07/24 06:55	3	23	26	1	8.2	88	4.0	274	9
15/07/24 07:00	3	23	26	1	8.2	88	4.0	278	10
15/07/24 07:05	3	23	26	0	8.2	89	4.5	275	11
15/07/24 07:10	3	23	27	0	8.2	89	4.8	275	9
15/07/24 07:15	3	23	27	1	8.2	88	4.7	278	12
15/07/24 07:20	3	23	26	1	8.1	88	4.0	281	10
15/07/24 07:25	3	23	27	0	8.1	88	4.5	280	11
15/07/24 07:30	5	24	29	0	8.2	88	4.6	278	10
15/07/24 07:35	6	25	31	0	8.2	88	4.4	280	11
15/07/24 07:40	7	26	32	0	8.3	88	4.5	277	10
15/07/24 07:45	7	26	33	0	8.2	88	4.5	279	12
15/07/24 07:50	8	26	34	0	8.3	88	4.1	282	14
15/07/24 07:55	8	26	34	1	8.3	87	5.3	276	9
15/07/24 08:00	9	26	35	1	8.3	88	4.7	279	9

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
15/07/24 08:05	9	26	35	1	8.3	87	4.4	282	11
15/07/24 08:10	9	26	35	1	8.4	87	4.4	282	12
15/07/24 08:15	9	25	34	1	8.4	87	4.4	281	12
15/07/24 08:20	8	24	33	1	8.5	87	5.2	277	8
15/07/24 08:25	8	24	32	1	8.7	87	4.8	278	9
15/07/24 08:30	8	23	31	1	8.7	87	5.3	276	10
15/07/24 08:35	7	22	29	1	8.7	86	4.6	280	10
15/07/24 08:40	7	21	28	1	8.8	86	4.8	279	9
15/07/24 08:45	7	21	28	1	9.0	85	5.1	278	10
15/07/24 08:50	7	20	27	1	9.2	84	4.9	277	10
15/07/24 08:55	7	19	26	1	9.3	83	5.1	279	10
15/07/24 09:00	6	19	25	1	9.4	83	5.0	278	11
15/07/24 09:05	6	19	25	1	9.5	83	5.1	277	9
15/07/24 09:10	6	18	24	1	9.6	83	5.3	276	10
15/07/24 09:15	5	18	23	1	9.6	83	5.1	274	8
15/07/24 09:20	5	18	23	1	9.7	83	4.5	280	11
15/07/24 09:25	5	17	23	1	9.8	83	4.6	281	13
15/07/24 09:30	5	17	22	1	9.8	82	4.2	279	13
15/07/24 09:35	5	17	22	1	9.9	82	5.6	276	9
15/07/24 09:40	5	16	21	1	10.1	82	5.0	278	10
15/07/24 09:45	4	15	19	1	10.2	81	6.2	274	8
15/07/24 09:50	4	14	18	1	10.2	81	6.8	275	9
15/07/24 09:55	4	13	17	1	10.4	80	6.1	274	10
15/07/24 10:00	4	13	16	1	10.3	79	5.7	273	11
15/07/24 10:05	4	12	16	1	10.5	78	7.1	271	9
15/07/24 10:10	4	13	17	1	10.6	78	6.2	272	8
15/07/24 10:15	4	13	18	1	10.7	78	6.0	271	8
15/07/24 10:20	4	13	18	1	10.7	77	7.2	266	6
15/07/24 10:25	4	14	18	1	10.8	77	6.0	263	8
15/07/24 10:30	4	15	18	1	11.0	77	6.5	266	8
15/07/24 10:35	3	12	15	1	11.2	74	7.5	258	8
15/07/24 10:40	3	10	13	1	11.2	74	7.0	262	8
15/07/24 10:45	3	10	13	1	11.3	73	7.4	258	8
15/07/24 10:50	2	9	12	1	11.4	73	7.6	259	6
15/07/24 10:55	2	9	11	1	11.4	71	8.3	259	7
15/07/24 11:00	2	8	10	1	11.4	72	8.3	256	9
15/07/24 11:05	2	8	10	1	11.4	70	8.4	256	9
15/07/24 11:10	2	7	9	1	11.5	70	7.4	246	11
15/07/24 11:15	2	8	9	1	11.5	71	7.2	255	8
15/07/24 11:20	2	10	12	1	11.5	70	7.4	251	9
15/07/24 11:25	2	12	14	1	11.6	70	7.4	255	9
15/07/24 11:30	2	9	11	1	11.6	70	8.5	256	6
15/07/24 11:35	2	8	10	1	11.7	69	8.6	252	7
15/07/24 11:40	2	7	9	1	11.6	70	8.9	252	8
15/07/24 11:45	1	6	7	1	11.6	69	8.3	254	8
15/07/24 11:50	1	6	7	1	11.7	69	7.7	253	7
15/07/24 11:55	1	7	9	1	11.7	69	8.0	252	6
15/07/24 12:00	2	10	12	1	11.8	70	8.1	254	7
15/07/24 12:05	2	9	11	1	11.8	70	8.6	257	7
15/07/24 12:10	2	6	8	1	11.8	69	9.9	246	8
15/07/24 12:15	2	2	4	1	11.8	70	7.6	247	10
15/07/24 12:20	2	4	6	1	11.8	69	8.2	251	8
15/07/24 12:25	1	4	5	1	11.8	69	8.8	248	7
15/07/24 12:30	1	4	5	1	11.8	70	8.2	250	9
15/07/24 12:35	2	6	7	1	11.7	70	9.2	243	9
15/07/24 12:40	2	7	9	1	11.7	70	9.5	247	7
15/07/24 12:45	2	10	12	1	11.7	72	8.0	246	7
15/07/24 12:50	2	13	15	1	11.7	73	7.7	247	8
15/07/24 12:55	2	9	11	1	11.6	72	8.6	245	9
15/07/24 13:00	2	8	11	1	11.6	72	8.6	251	7
15/07/24 13:05	3	10	12	1	11.5	74	7.9	251	8
15/07/24 13:10	2	9	11	1	11.4	75	8.5	249	8
15/07/24 13:15	2	7	9	1	11.5	75	9.1	253	8
15/07/24 13:20	2	7	9	1	11.4	75	8.5	255	8
15/07/24 13:25	2	7	9	1	11.4	76	9.9	255	7
15/07/24 13:30	2	6	8	1	11.4	76	9.8	250	8
15/07/24 13:35	2	6	8	1	11.3	76	9.5	254	7
15/07/24 13:40	2	7	8	1	11.3	77	8.0	256	7
15/07/24 13:45	2	7	8	1	11.2	79	8.2	264	6
15/07/24 13:50	1	7	8	1	11.3	79	8.6	260	6
15/07/24 13:55	1	7	9	1	11.3	79	9.3	262	5
15/07/24 14:00	1	8	9	1	11.1	80	8.1	263	7
15/07/24 14:05	1	8	9	1	11.2	79	9.2	261	10
15/07/24 14:10	1	7	9	1	11.1	79	9.6	262	8
15/07/24 14:15	1	7	9	1	11.1	79	8.3	262	6
15/07/24 14:20	1	8	9	1	11.1	79	9.3	265	8
15/07/24 14:25	1	8	9	1	11.1	80	8.3	264	6
15/07/24 14:30	1	8	9	1	11.0	80	8.7	265	6
15/07/24 14:35	1	8	9	1	11.0	80	8.7	267	6
15/07/24 14:40	1	9	10	1	11.1	81	7.0	267	7
15/07/24 14:45	2	10	11	1	11.0	81	8.5	263	8
15/07/24 14:50	2	10	12	1	11.0	81	8.5	261	6
15/07/24 14:55	2	13	15	1	11.1	81	8.6	262	8
15/07/24 15:00	3	18	21	1	11.0	82	8.4	263	7
15/07/24 15:05	4	16	20	1	11.0	81	9.6	262	6
15/07/24 15:10	4	14	18	1	11.0	82	9.8	264	6

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
15/07/24 15:15	4	13	17	1	11.0	82	9.6	261	7
15/07/24 15:20	4	13	16	1	11.0	84	8.6	261	8
15/07/24 15:25	3	10	13	1	10.9	84	9.4	265	9
15/07/24 15:30	3	10	13	1	11.0	84	8.1	267	10
15/07/24 15:35	3	11	14	1	10.9	84	8.9	266	8
15/07/24 15:40	2	10	13	1	10.9	85	8.6	264	7
15/07/24 15:45	2	11	13	1	10.8	85	8.3	263	6
15/07/24 15:50	2	11	13	1	10.9	85	9.6	264	7
15/07/24 15:55	2	10	12	1	10.8	85	9.5	266	10
15/07/24 16:00	2	10	11	1	10.8	86	9.9	265	6
15/07/24 16:05	2	9	11	1	10.8	87	8.9	265	6
15/07/24 16:10	1	9	11	1	10.7	87	9.4	261	5
15/07/24 16:15	1	10	11	1	10.7	88	8.8	265	7
15/07/24 16:20	1	10	12	1	10.7	88	8.9	266	7
15/07/24 16:25	1	11	12	1	10.6	88	8.3	269	6
15/07/24 16:30	2	12	13	1	10.7	89	8.2	269	6
15/07/24 16:35	2	12	14	1	10.6	88	8.1	270	9
15/07/24 16:40	2	13	15	1	10.6	88	7.8	271	6
15/07/24 16:45	3	13	16	1	10.6	88	7.7	268	9
15/07/24 16:50	2	14	16	0	10.8	87	8.3	267	7
15/07/24 16:55	2	14	16	0	10.7	87	7.7	270	9
15/07/24 17:00	7	17	24	0	10.8	87	7.9	263	8
15/07/24 17:05	5	19	24	1	10.9	87	8.4	266	6
15/07/24 17:10	5	15	20	1	10.9	86	8.2	264	7
15/07/24 17:15	2	11	13	0	10.9	86	8.6	268	8
15/07/24 17:20	2	10	12	1	11.0	85	8.7	264	7
15/07/24 17:25	1	10	12	1	11.0	84	9.5	263	7
15/07/24 17:30	1	11	12	1	11.0	84	9.2	261	6
15/07/24 17:35	1	11	12	1	11.0	84	9.1	261	6
15/07/24 17:40	1	11	12	1	11.0	84	9.5	263	6
15/07/24 17:45	1	11	12	1	11.0	83	9.0	262	7
15/07/24 17:50	1	11	12	1	11.0	84	8.5	262	6
15/07/24 17:55	1	12	13	1	11.0	84	8.9	263	6
15/07/24 18:00	1	11	13	1	11.0	84	9.7	262	9
15/07/24 18:05	1	11	12	1	11.1	84	9.2	264	5
15/07/24 18:10	1	11	12	1	11.0	85	9.6	263	6
15/07/24 18:15	2	19	21	1	10.9	85	9.6	263	7
15/07/24 18:20	9	29	38	1	11.0	85	10.0	263	7
15/07/24 18:25	16	26	42	1	11.0	85	9.0	257	6
15/07/24 18:30	3	13	16	1	10.9	86	10.7	264	7
15/07/24 18:35	0	9	10	1	10.9	86	10.1	262	7
15/07/24 18:40	1	11	11	1	10.8	87	9.4	262	6
15/07/24 18:45	1	11	12	1	10.9	86	10.1	262	6
15/07/24 18:50	1	11	12	1	10.8	86	10.3	260	5
15/07/24 18:55	1	11	12	1	10.8	87	8.9	262	5
15/07/24 19:00	1	11	12	1	10.8	88	10.5	263	5
15/07/24 19:05	1	10	11	1	10.8	88	10.3	261	6
15/07/24 19:10	1	11	12	1	10.8	88	9.5	261	5
15/07/24 19:15	1	11	12	1	10.7	88	8.9	261	5
15/07/24 19:20	1	11	12	1	10.8	88	9.9	261	5
15/07/24 19:25	1	10	11	1	10.8	87	9.9	257	5
15/07/24 19:30	1	10	11	1	10.9	87	10.3	259	7
15/07/24 19:35	1	10	11	1	10.8	88	10.0	257	5
15/07/24 19:40	1	10	11	1	10.8	88	9.5	261	6
15/07/24 19:45	1	10	11	1	10.8	88	9.5	253	6
15/07/24 19:50	1	10	11	1	10.8	88	9.6	257	6
15/07/24 19:55	1	11	12	1	10.7	88	9.0	255	6
15/07/24 20:00	1	11	12	1	10.7	90	9.1	254	7
15/07/24 20:05	1	10	11	1	10.6	90	10.2	253	6
15/07/24 20:10	1	10	11	1	10.6	90	10.0	255	6
15/07/24 20:15	1	10	11	1	10.6	91	9.5	255	7
15/07/24 20:20	1	10	11	1	10.5	92	9.8	255	7
15/07/24 20:25	1	10	11	1	10.6	92	9.3	257	7
15/07/24 20:30	1	11	12	1	10.6	92	9.4	257	6
15/07/24 20:35	1	10	11	1	10.5	92	9.5	253	6
15/07/24 20:40	1	10	11	1	10.7	92	9.4	256	6
15/07/24 20:45	1	10	11	1	10.5	92	9.5	257	7
15/07/24 20:50	1	10	12	1	10.6	93	8.5	254	7
15/07/24 20:55	1	11	12	1	10.6	93	10.5	257	6
15/07/24 21:00	1	10	11	1	10.6	93	10.6	258	6
15/07/24 21:05	1	10	11	1	10.5	93	10.0	255	7
15/07/24 21:10	1	10	11	1	10.5	93	9.4	251	8
15/07/24 21:15	1	10	11	1	10.5	93	9.7	255	7
15/07/24 21:20	1	9	10	1	10.5	94	9.3	255	6
15/07/24 21:25	1	9	10	1	10.5	95	9.9	257	7
15/07/24 21:30	1	9	10	1	10.4	95	9.5	257	6
15/07/24 21:35	1	9	10	1	10.5	94	10.3	258	5
15/07/24 21:40	1	9	9	1	10.5	94	9.6	257	6
15/07/24 21:45	1	9	9	1	10.6	94	10.0	257	5
15/07/24 21:50	1	9	9	1	10.6	94	10.1	258	5
15/07/24 21:55	1	8	9	1	10.6	94	9.9	256	6
15/07/24 22:00	1	8	9	1	10.7	94	10.1	257	6
15/07/24 22:05	1	8	9	0	10.6	94	9.7	256	6
15/07/24 22:10	1	9	10	1	10.7	94	9.1	257	7
15/07/24 22:15	1	9	10	1	10.6	94	10.2	259	7
15/07/24 22:20	1	9	10	1	10.6	95	10.6	258	7

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
15/07/24 22:25	1	9	10	1	10.5	95	10.2	256	6
15/07/24 22:30	1	9	10	1	10.5	95	10.4	258	6
15/07/24 22:35	1	9	9	1	10.6	95	10.8	257	5
15/07/24 22:40	1	8	9	1	10.5	95	10.3	256	5
15/07/24 22:45	1	8	9	1	10.5	95	10.5	258	5
15/07/24 22:50	1	8	9	1	10.6	95	10.8	257	5
15/07/24 22:55	1	8	9	1	10.6	95	10.3	257	6
15/07/24 23:00	1	8	9	1	10.6	95	11.6	256	7
15/07/24 23:05	1	7	8	1	10.6	95	10.8	257	5
15/07/24 23:10	1	8	9	1	10.6	96	10.4	258	6
15/07/24 23:15	1	9	10	1	10.6	96	10.6	254	6
15/07/24 23:20	1	7	8	1	10.7	96	10.0	253	7
15/07/24 23:25	1	5	6	1	10.6	96	10.0	253	7
15/07/24 23:30	1	6	7	1	10.6	96	10.6	249	7
15/07/24 23:35	1	6	7	1	10.6	96	9.6	250	7
15/07/24 23:40	1	6	7	1	10.6	97	9.9	250	8
15/07/24 23:45	1	6	7	1	10.7	97	9.8	250	7
15/07/24 23:50	1	6	7		10.7	97	10.1	249	6
15/07/24 23:55	0	6	7		10.6	97	9.4	252	8
16/07/24 00:00	1	6	7	1	10.6	97	11.1	250	7
16/07/24 00:05	1	6	7	0	10.6	97	10.4	246	7
16/07/24 00:10	1	6	7	0	10.7	97	10.4	248	7
16/07/24 00:15	1	6	7	0	10.6	97	9.2	249	7
16/07/24 00:20	1	6	7	1	10.7	97	11.3	249	7
16/07/24 00:25	1	6	7	0	10.7	97	9.6	242	9
16/07/24 00:30	1	6	6	0	10.7	97	10.2	246	5
16/07/24 00:35	1	5	5	0	10.7	97	8.0	242	5
16/07/24 00:40	0	4	5	0	10.8	97	10.0	247	8
16/07/24 00:45	1	4	4	0	10.9	97	9.4	236	7
16/07/24 00:50	0	3	3	0	11.0	97	10.7	240	6
16/07/24 00:55	0	2	3	0	11.1	97	11.0	242	7
16/07/24 01:00	0	2	2	0	11.3	97	9.6	232	6
16/07/24 01:05					11.5	97	9.8	227	5
16/07/24 01:10					11.5	97	9.5	231	3
16/07/24 01:15					11.6	97	8.7	231	4
16/07/24 01:20					11.5	97	8.1	233	4
16/07/24 01:25					11.5	97	7.2	230	3
16/07/24 01:30					11.8	98	6.9	224	9
16/07/24 01:35					12.1	98	8.7	210	5
16/07/24 01:40					12.1	96	8.3	208	3
16/07/24 01:45					12.1	96	7.7	204	5
16/07/24 01:50					12.3	96	6.7	196	6
16/07/24 01:55					12.5	96	7.3	194	6
16/07/24 02:00					12.5	96	5.4	190	7
16/07/24 02:05	0	1	1	1	12.4	96	4.9	187	13
16/07/24 02:10	0	2	2	1	12.4	97	7.1	197	10
16/07/24 02:15	0	2	2	1	12.4	97	6.4	196	10
16/07/24 02:20	0	2	2	1	12.5	96	7.7	195	7
16/07/24 02:25	0	2	2	1	12.4	96	6.3	196	6
16/07/24 02:30	0	1	2	1	12.4	96	5.9	195	6
16/07/24 02:35	0	1	2	1	12.5	96	5.8	196	5
16/07/24 02:40	0	1	2	1	12.5	95	5.3	196	6
16/07/24 02:45	0	1	2	1	12.6	95	5.4	198	6
16/07/24 02:50	0	2	2	1	12.6	94	5.1	196	7
16/07/24 02:55	0	2	2	1	12.6	94	5.5	198	5
16/07/24 03:00	0	2	2	1	12.6	94	5.4	198	4
16/07/24 03:05	0	2	2	1	12.6	94	4.8	200	5
16/07/24 03:10	0	2	2	1	12.6	94	5.1	200	4
16/07/24 03:15	0	2	2	1	12.7	94	5.3	198	5
16/07/24 03:20	0	2	2	1	12.7	92	5.6	196	6
16/07/24 03:25	0	2	2	1	12.9	91	5.4	195	6
16/07/24 03:30	0	3	3	1	12.8	90	5.5	195	5
16/07/24 03:35	0	3	4	1	12.8	89	4.8	195	7
16/07/24 03:40	0	4	4	1	12.9	89	4.2	195	8
16/07/24 03:45	0	3	3	1	12.8	89	4.0	191	9
16/07/24 03:50	0	3	3	1	12.7	90	2.9	186	14
16/07/24 03:55	0	3	3	1	12.5	91	2.0	172	20
16/07/24 04:00	0	2	3	1	12.4	92	2.1	185	19
16/07/24 04:05	0	3	3	1	12.4	93	4.0	186	12
16/07/24 04:10	0	4	4	1	12.4	92	4.2	189	10
16/07/24 04:15	0	3	3	1	12.5	93	5.2	194	8
16/07/24 04:20	0	3	3	1	12.6	93	5.5	195	6
16/07/24 04:25	0	3	3	1	12.6	93	5.3	197	7
16/07/24 04:30	0	3	3	1	12.5	93	5.6	198	5
16/07/24 04:35	0	2	2	1	12.6	93	5.1	202	4
16/07/24 04:40	0	2	2	1	12.4	94	5.3	208	3
16/07/24 04:45	0	2	2	1	12.3	94	5.7	209	3
16/07/24 04:50	0	2	2	0	12.4	94	5.9	209	3
16/07/24 04:55	0	2	2	0	12.4	95	5.8	207	3
16/07/24 05:00	0	2	2	0	12.4	94	5.8	203	4
16/07/24 05:05	0	2	2	0	12.4	95	6.1	205	4
16/07/24 05:10	0	2	2	0	12.3	94	6.1	204	4
16/07/24 05:15	2	15	18	0	12.4	94	5.9	202	4
16/07/24 05:20	1	4	5	0	12.5	93	5.5	199	5
16/07/24 05:25	1	3	3	0	12.5	93	5.3	202	4
16/07/24 05:30	0	2	3	0	12.5	93	5.4	201	4

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/07/24 05:35	0	2	2	0	12.5	93	5.3	201	5
16/07/24 05:40	0	2	2	0	12.5	93	5.5	202	5
16/07/24 05:45	0	1	2	0	12.4	93	6.3	205	3
16/07/24 05:50	0	1	1	0	12.6	93	6.3	206	4
16/07/24 05:55	0	2	2	0	12.5	93	6.1	207	3
16/07/24 06:00	0	4	4	0	12.6	93	5.9	209	3
16/07/24 06:05	0	15	15	0	12.5	93	5.8	209	3
16/07/24 06:10	1	7	8	0	12.4	93	5.8	208	3
16/07/24 06:15	5	13	17	0	12.4	94	6.0	209	3
16/07/24 06:20	0	1	1	0	12.5	94	5.8	206	5
16/07/24 06:25	65	14	79	0	12.4	94	5.4	207	5
16/07/24 06:30	33	15	48	0	12.5	93	5.5	206	4
16/07/24 06:35	1	6	7	0	12.5	94	4.9	205	4
16/07/24 06:40	43	25	68	0	12.4	94	5.0	202	5
16/07/24 06:45	28	15	43	0	12.5	93	5.2	201	5
16/07/24 06:50	11	15	26	0	12.6	92	5.3	201	4
16/07/24 06:55	7	8	15	0	12.6	92	5.5	203	5
16/07/24 07:00	5	5	10	0	12.5	92	5.2	202	5
16/07/24 07:05	2	4	7	0	12.4	93	5.2	205	4
16/07/24 07:10	7	11	18	0	12.3	93	5.1	202	5
16/07/24 07:15	12	14	26	0	12.4	93	5.7	201	5
16/07/24 07:20	16	15	31	0	12.4	92	6.1	200	4
16/07/24 07:25	17	15	32	1	12.5	92	5.5	202	5
16/07/24 07:30	22	18	39	1	12.5	92	5.1	201	5
16/07/24 07:35	22	17	39	1	12.5	92	4.9	202	6
16/07/24 07:40	8	11	19	0	12.4	93	5.0	204	4
16/07/24 07:45	3	5	8	0	12.3	93	5.1	206	3
16/07/24 07:50	1	2	3	0	12.3	94	4.9	204	3
16/07/24 07:55	2	3	5	0	12.2	95	4.7	204	5
16/07/24 08:00	15	23	38	0	12.2	95	5.1	203	6
16/07/24 08:05	3	4	7	1	12.3	94	5.4	205	4
16/07/24 08:10	1	2	3	1	12.3	95	5.3	206	4
16/07/24 08:15	1	2	3	1	12.3	95	5.4	208	3
16/07/24 08:20	1	3	4	0	12.3	95	4.9	206	4
16/07/24 08:25	1	4	5	0	12.3	95	4.6	204	5
16/07/24 08:30	2	4	6	0	12.3	95	5.0	207	4
16/07/24 08:35	1	1	2	0	12.3	95	5.2	210	2
16/07/24 08:40	1	2	2	0	12.3	95	5.1	210	3
16/07/24 08:45	1	2	2	0	12.3	95	4.6	208	3
16/07/24 08:50	0	1	2	0	12.2	95	4.8	210	2
16/07/24 08:55	0	1	2	0	12.2	95	5.0	210	3
16/07/24 09:00	0	2	2	0	12.3	95	4.9	211	2
16/07/24 09:05	0	2	2	0	12.3	95	5.1	212	3
16/07/24 09:10	0	2	3	0	12.4	95	5.2	212	2
16/07/24 09:15	0	2	3	0	12.4	95	5.0	211	2
16/07/24 09:20	0	2	2	0	12.5	95	4.9	212	3
16/07/24 09:25	0	2	2	0	12.4	95	4.8	212	3
16/07/24 09:30	0	2	2	0	12.5	94	4.8	213	3
16/07/24 09:35	0	2	2	0	12.6	94	5.1	216	3
16/07/24 09:40	0	2	2	0	12.5	94	5.0	217	4
16/07/24 09:45	0	2	2	0	12.6	94	5.0	218	3
16/07/24 09:50	0	2	2	0	12.6	94	4.7	224	4
16/07/24 09:55	0	2	3	0	12.6	94	4.9	225	3
16/07/24 10:00	0	2	3	0	12.5	95	5.0	219	4
16/07/24 10:05	0	2	3	0	12.7	95	5.5	216	4
16/07/24 10:10	0	2	3	0	12.8	94	5.7	217	3
16/07/24 10:15	0	2	2	0	12.7	94	5.8	217	3
16/07/24 10:20	0	2	3	0	12.7	94	6.0	217	4
16/07/24 10:25	0	3	3	0	12.8	94	6.0	217	3
16/07/24 10:30	0	2	3	0	12.9	93	5.9	217	4
16/07/24 10:35	0	2	3	0	12.9	93	5.5	216	3
16/07/24 10:40	0	2	3	0	12.9	93	5.8	215	4
16/07/24 10:45	1	2	3	0	12.9	93	5.9	214	5
16/07/24 10:50	4	21	24	0	12.9	93	5.8	219	4
16/07/24 10:55	4	5	9	1	12.9	93	5.4	221	4
16/07/24 11:00	0	2	2	1	12.8	94	5.0	221	4
16/07/24 11:05	0	2	2	0	12.7	94	5.1	221	5
16/07/24 11:10	0	2	2	0	12.9	94	5.9	219	4
16/07/24 11:15	0	2	2	1	13.0	93	5.8	214	4
16/07/24 11:20	0	1	2	1	13.0	93	6.2	213	4
16/07/24 11:25	0	1	1	1	12.9	92	6.1	213	3
16/07/24 11:30	0	1	1	1	13.0	92	6.1	214	3
16/07/24 11:35	0	1	1	1	13.1	92	5.9	213	3
16/07/24 11:40	0	1	1	0	13.0	93	5.6	214	3
16/07/24 11:45	0	1	1	0	13.0	93	5.9	211	3
16/07/24 11:50	0	1	1	0	13.0	93	5.4	208	3
16/07/24 11:55	0	1	1	0	12.9	93	4.7	208	3
16/07/24 12:00	0	1	1	0	12.7	94	4.8	211	3
16/07/24 12:05	0	2	2	0	12.7	94	5.1	210	3
16/07/24 12:10	1	3	3	0	12.8	93	5.2	210	3
16/07/24 12:15	1	3	3	0	12.8	93	5.4	211	3
16/07/24 12:20	1	3	3	0	12.8	93	5.0	208	3
16/07/24 12:25	1	3	3	0	12.9	92	4.8	208	3
16/07/24 12:30	1	3	4	0	12.9	93	5.2	212	3
16/07/24 12:35	1	3	4	0	12.9	92	5.6	215	3
16/07/24 12:40	1	3	4	0	13.0	92	5.5	212	3

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/07/24 12:45	1	2	3	0	13.0	92	5.9	214	3
16/07/24 12:50	1	2	3	0	13.1	92	5.9	215	3
16/07/24 12:55	1	12	13	0	13.1	92	6.0	215	3
16/07/24 13:00	2	7	8	0	13.2	91	6.5	217	2
16/07/24 13:05	1	2	3	0	13.2	91	6.5	214	4
16/07/24 13:10	1	2	2	0	13.3	90	6.3	211	4
16/07/24 13:15	1	2	3	0	13.3	90	5.6	212	4
16/07/24 13:20	1	2	2	0	13.2	90	5.2	211	4
16/07/24 13:25	0	1	2	0	13.1	91	5.2	210	3
16/07/24 13:30	0	1	2	0	13.1	90	5.0	209	4
16/07/24 13:35	0	1	1	0	13.0	90	4.8	210	4
16/07/24 13:40	0	1	1	0	13.0	90	5.1	212	3
16/07/24 13:45	0	1	2	1	13.1	90	6.0	214	3
16/07/24 13:50	1	2	3	0	13.2	89	6.1	213	4
16/07/24 13:55	1	2	2	0	13.2	88	6.1	212	3
16/07/24 14:00	1	3	4	1	13.2	88	6.1	211	3
16/07/24 14:05	1	2	3	0	13.2	88	6.1	213	3
16/07/24 14:10	1	1	2	0	13.2	88	6.2	213	4
16/07/24 14:15	1	2	2	0	13.2	87	6.4	214	4
16/07/24 14:20	1	2	2	0	13.2	87	6.2	212	4
16/07/24 14:25	0	2	2	0	13.1	88	5.8	213	3
16/07/24 14:30	1	3	3	0	13.2	88	6.0	214	3
16/07/24 14:35	1	2	3	0	13.2	88	5.9	215	3
16/07/24 14:40	1	1	1	0	13.2	87	6.0	213	3
16/07/24 14:45	0	1	1	1	13.3	88	5.9	213	3
16/07/24 14:50	0	1	1	0	13.2	89	5.8	212	3
16/07/24 14:55	0	1	1	0	13.2	90	6.1	213	4
16/07/24 15:00	0	1	1	0	13.2	91	6.0	213	3
16/07/24 15:05	0	1	1	0	13.2	91	6.2	212	3
16/07/24 15:10	0	1	1	0	13.2	92	5.7	209	3
16/07/24 15:15	0	1	1	0	13.0	92	5.3	209	3
16/07/24 15:20	0	1	1	0	12.9	93	5.2	210	3
16/07/24 15:25	0	1	1	1	12.9	93	5.0	210	2
16/07/24 15:30	0	1	2	1	12.8	93	4.7	207	3
16/07/24 15:35	0	2	2	1	12.8	93	4.3	206	3
16/07/24 15:40	0	2	2	0	12.8	94	4.2	206	3
16/07/24 15:45	0	2	2	0	12.8	94	4.2	206	3
16/07/24 15:50	0	2	2	0	12.8	94	4.0	205	4
16/07/24 15:55	1	2	3	0	12.8	94	3.9	206	3
16/07/24 16:00	1	2	2	0	12.7	94	3.9	209	3
16/07/24 16:05	0	2	2	0	12.7	94	4.0	210	3
16/07/24 16:10	0	2	2	0	12.8	93	3.9	210	3
16/07/24 16:15	0	2	2	0	12.7	93	4.4	211	2
16/07/24 16:20	0	1	2	0	12.8	93	4.5	211	3
16/07/24 16:25	0	1	2	0	12.8	93	4.5	212	3
16/07/24 16:30	0	1	1	1	12.9	92	4.6	215	2
16/07/24 16:35	0	1	2	0	13.0	92	4.7	215	3
16/07/24 16:40	0	1	2	0	13.1	92	4.6	211	4
16/07/24 16:45	0	2	2	0	13.1	92	4.5	210	3
16/07/24 16:50	0	3	3	1	13.1	92	4.2	214	3
16/07/24 16:55	0	3	4	0	13.0	93	4.5	214	3
16/07/24 17:00	0	3	4	1	13.0	93	4.6	213	2
16/07/24 17:05	0	3	4	1	13.0	93	4.4	213	4
16/07/24 17:10	0	3	4	0	12.9	93	4.1	206	4
16/07/24 17:15	0	3	4	0	12.9	93	3.7	206	3
16/07/24 17:20	0	3	3	1	12.7	94	3.6	213	2
16/07/24 17:25	0	3	3	1	12.6	94	3.3	213	2
16/07/24 17:30	0	3	3	0	12.5	94	3.2	210	3
16/07/24 17:35	0	3	3	0	12.6	94	3.1	209	3
16/07/24 17:40	0	3	3	0	12.6	94	3.1	211	2
16/07/24 17:45	0	3	3	0	12.6	94	3.1	213	2
16/07/24 17:50	0	3	3	0	12.6	94	3.0	212	2
16/07/24 17:55	0	4	4	0	12.6	95	3.1	213	3
16/07/24 18:00	0	4	4	0	12.6	95	3.5	221	5
16/07/24 18:05	0	4	4	0	12.7	94	3.7	218	4
16/07/24 18:10	0	4	4	0	12.8	94	3.9	216	4
16/07/24 18:15	8	11	18	0	12.8	94	3.7	219	4
16/07/24 18:20	0	2	2	0	12.7	94	3.4	219	4
16/07/24 18:25	0	2	2	0	12.7	94	3.3	218	5
16/07/24 18:30	0	2	2	0	12.6	94	3.0	218	3
16/07/24 18:35	0	2	2	0	12.6	94	3.1	219	4
16/07/24 18:40	0	2	2	0	12.6	95	3.1	215	3
16/07/24 18:45	0	1	2	0	12.6	95	2.9	212	3
16/07/24 18:50	0	1	1	0	12.5	95	2.9	214	2
16/07/24 18:55	0	2	2	0	12.5	95	2.8	215	2
16/07/24 19:00	0	2	2	0	12.5	95	2.9	215	2
16/07/24 19:05	0	2	2	0	12.5	95	2.7	219	3
16/07/24 19:10	0	3	3	0	12.4	95	2.8	221	2
16/07/24 19:15	0	3	3	0	12.4	96	2.7	223	4
16/07/24 19:20	0	3	3	0	12.4	96	3.0	223	5
16/07/24 19:25	0	3	3	0	12.4	95	3.1	222	3
16/07/24 19:30	0	3	2	0	12.4	95	3.4	226	3
16/07/24 19:35	0	2	2	0	12.4	95	3.5	219	3
16/07/24 19:40	0	2	2	0	12.6	95	3.9	224	4
16/07/24 19:45	0	2	2	0	12.4	95	3.8	226	3
16/07/24 19:50	0	2	2	0	12.4	95	3.7	225	3

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/07/24 19:55	0	2	2	0	12.4	95	3.4	218	4
16/07/24 20:00	0	2	2	0	12.4	95	3.5	211	4
16/07/24 20:05	0	2	2	0	12.4	95	3.2	212	3
16/07/24 20:10	0	8	8	0	12.4	95	3.1	213	3
16/07/24 20:15	1	14	15	0	12.4	95	2.9	212	4
16/07/24 20:20	1	18	19	0	12.4	95	3.1	209	3
16/07/24 20:25	12	35	48	0	12.4	95	3.3	206	3
16/07/24 20:30	29	27	56	0	12.4	95	3.4	208	2
16/07/24 20:35	24	29	52	0	12.4	95	3.0	208	3
16/07/24 20:40	24	28	52	1	12.3	95	3.1	206	3
16/07/24 20:45	24	27	51	1	12.4	95	3.0	207	4
16/07/24 20:50	5	17	22	1	12.3	95	2.6	214	5
16/07/24 20:55	1	8	9	1	12.3	95	2.4	211	4
16/07/24 21:00	1	6	7	1	12.2	95	1.9	204	11
16/07/24 21:05	0	4	5	1	12.2	96	0.9	208	18
16/07/24 21:10	0	4	4	1	12.2	95	2.3	215	5
16/07/24 21:15	1	8	9	1	12.2	96	2.1	210	6
16/07/24 21:20	2	26	29	1	12.1	96	2.0	225	15
16/07/24 21:25	2	7	9	1	12.1	96	2.4	248	14
16/07/24 21:30	0	5	6	0	12.1	96	3.4	240	5
16/07/24 21:35	1	11	12	0	12.1	96	3.5	229	8
16/07/24 21:40	2	17	19	0	12.0	96	3.5	218	3
16/07/24 21:45	1	6	7	1	11.9	96	3.9	208	5
16/07/24 21:50	0	6	6	1	12.1	96	4.4	207	2
16/07/24 21:55	0	3	3	0	12.0	96	3.7	207	2
16/07/24 22:00	1	8	9	0	12.0	96	3.8	204	4
16/07/24 22:05	2	12	14	0	12.0	96	3.1	206	3
16/07/24 22:10	0	3	4	0	11.9	96	2.5	207	4
16/07/24 22:15	0	4	4	0	11.9	97	2.5	198	7
16/07/24 22:20	0	4	4	0	11.8	96	2.3	193	10
16/07/24 22:25	0	3	4	1	11.9	96	1.9	188	14
16/07/24 22:30	0	3	3	1	11.9	96	2.0	193	11
16/07/24 22:35	0	3	3	1	11.9	96	2.3	194	9
16/07/24 22:40	0	3	3	1	11.9	96	2.6	194	8
16/07/24 22:45	0	2	2	0	11.9	96	2.7	196	8
16/07/24 22:50	0	3	2	0	12.0	95	2.4	197	8
16/07/24 22:55	0	4	4	0	12.0	95	2.1	193	10
16/07/24 23:00	0	6	6	0	11.9	95	2.2	199	11
16/07/24 23:05	0	12	12	1	11.9	96	2.1	205	6
16/07/24 23:10	0	13	13	1	11.8	96	1.9	207	7
16/07/24 23:15	0	12	12	1	11.8	96	2.9	211	3
16/07/24 23:20	0	6	6	1	11.8	96	3.3	210	3
16/07/24 23:25	0	4	4	1	11.8	96	2.9	209	3
16/07/24 23:30	0	4	5	1	11.8	95	3.4	209	3
16/07/24 23:35	0	5	5	1	11.9	95	3.6	212	2
16/07/24 23:40	0	7	7	0	12.0	94	3.3	217	5
16/07/24 23:45	0	6	7	0	11.9	94	3.2	230	5
16/07/24 23:50	0	15	16		11.7	94	2.0	259	8
16/07/24 23:55	1	24	25		11.5	95	2.2	267	7
17/07/24 00:00	1	19	20	0	11.4	96	3.2	257	7
17/07/24 00:05	1	4	5	0	11.4	96	3.1	241	5
17/07/24 00:10	1	3	4	0	11.4	96	2.9	242	5
17/07/24 00:15	1	3	3	0	11.5	96	3.2	241	5
17/07/24 00:20	1	3	4	0	11.4	95	3.0	243	7
17/07/24 00:25	1	3	4	0	11.4	95	3.2	242	4
17/07/24 00:30	1	6	7	1	11.4	95	3.5	239	5
17/07/24 00:35	1	10	11	0	11.4	95	3.2	241	5
17/07/24 00:40	1	3	4	1	11.4	95	3.2	242	5
17/07/24 00:45	0	3	4	1	11.4	95	3.3	243	5
17/07/24 00:50	0	3	4	1	11.3	95	3.0	242	5
17/07/24 00:55	0	4	4	1	11.4	95	3.2	240	6
17/07/24 01:00	0	4	4	1	11.3	95	3.2	237	4
17/07/24 01:05					11.4	95	3.3	238	4
17/07/24 01:10					11.3	95	3.3	238	4
17/07/24 01:15					11.4	95	3.0	238	5
17/07/24 01:20					11.4	95	3.4	236	4
17/07/24 01:25					11.4	95	3.5	240	4
17/07/24 01:30					11.2	95	3.1	237	5
17/07/24 01:35					11.1	95	3.7	237	4
17/07/24 01:40					11.1	95	3.3	237	4
17/07/24 01:45					11.0	95	3.6	239	6
17/07/24 01:50					10.9	95	3.9	240	4
17/07/24 01:55					10.9	95	3.9	239	3
17/07/24 02:00					10.8	96	3.7	243	5
17/07/24 02:05	0	6	7	0	10.8	96	3.6	244	5
17/07/24 02:10	0	7	7	0	10.7	96	3.3	245	6
17/07/24 02:15	0	7	7	0	10.7	96	2.8	248	6
17/07/24 02:20	0	7	7	1	10.7	96	2.9	245	5
17/07/24 02:25	3	9	13	0	10.8	96	3.6	249	5
17/07/24 02:30	1	10	11	0	10.6	96	3.2	253	9
17/07/24 02:35	1	11	12	0	10.5	96	2.7	258	9
17/07/24 02:40	1	10	11	0	10.5	96	2.4	252	9
17/07/24 02:45	1	9	10	0	10.5	96	2.9	256	10
17/07/24 02:50	1	8	9	0	10.3	96	2.6	255	15
17/07/24 02:55	0	8	9	0	10.3	96	2.4	258	13
17/07/24 03:00	1	10	11	1	10.3	95	1.4	285	22

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
17/07/24 03:05	1	14	15	0	10.1	95	0.9	299	22
17/07/24 03:10	1	16	17	0	10.1	95	1.3	317	17
17/07/24 03:15	1	18	20	0	10.0	95	1.2	322	20
17/07/24 03:20	2	19	21	0	10.0	95	2.0	312	11
17/07/24 03:25	3	20	22	0	9.9	95	1.8	318	12
17/07/24 03:30	3	19	22	0	9.8	95	1.8	313	17
17/07/24 03:35	3	19	22	0	10.0	95	2.2	303	11
17/07/24 03:40	3	19	21	0	10.1	95	2.3	289	14
17/07/24 03:45	2	17	19	0	10.2	94	2.1	287	14
17/07/24 03:50	2	13	15	0	10.0	93	2.3	301	14
17/07/24 03:55	1	12	14	0	9.9	92	2.0	323	18
17/07/24 04:00	2	17	19	0	9.8	93	2.1	334	15
17/07/24 04:05	3	22	25	0	9.7	93	2.5	333	13
17/07/24 04:10	4	23	28	0	9.6	93	2.8	333	13
17/07/24 04:15	8	25	32	0	9.6	93	2.4	340	16
17/07/24 04:20	15	23	37	1	9.6	93	1.8	336	19
17/07/24 04:25	17	23	40	0	9.6	93	1.4	331	17
17/07/24 04:30	19	22	41	1	9.5	93	1.5	331	16
17/07/24 04:35	20	21	41	1	9.6	93	1.4	335	24
17/07/24 04:40	16	24	40	1	9.7	93	1.6	326	20
17/07/24 04:45	12	22	35	1	9.9	93	2.2	309	11
17/07/24 04:50	13	22	35	1	9.9	92	1.9	315	16
17/07/24 04:55	16	20	36	1	10.0	92	1.8	312	17
17/07/24 05:00	16	21	37	1	10.1	92	2.2	303	10
17/07/24 05:05	16	21	38	1	10.3	92	2.1	294	7
17/07/24 05:10	15	22	37	1	10.2	92	2.0	293	10
17/07/24 05:15	14	23	37	1	10.3	92	1.8	292	11
17/07/24 05:20	14	23	37	1	10.3	92	1.5	297	12
17/07/24 05:25	13	23	36	1	10.4	92	1.6	296	14
17/07/24 05:30	13	23	35	1	10.4	92	1.3	295	13
17/07/24 05:35	13	23	35	1	10.5	92	1.7	298	13
17/07/24 05:40	12	22	35	1	10.6	93	1.7	296	11
17/07/24 05:45	12	22	35	1	10.5	92	1.6	321	19
17/07/24 05:50	13	22	35	1	10.5	92	1.5	321	18
17/07/24 05:55	19	24	43	1	10.5	92	1.0	337	26
17/07/24 06:00	30	25	55	1	10.5	92	1.1	315	21
17/07/24 06:05	21	23	44	1	10.5	92	2.0	301	14
17/07/24 06:10	32	23	55	1	10.7	92	1.5	299	13
17/07/24 06:15	29	24	53	1	10.6	93	1.7	288	16
17/07/24 06:20	24	24	48	1	10.6	93	1.7	283	12
17/07/24 06:25	21	24	45	1	10.7	93	1.9	271	14
17/07/24 06:30	21	24	44	1	10.8	93	2.2	265	12
17/07/24 06:35	23	22	46	1	10.7	93	1.7	275	15
17/07/24 06:40	31	21	52	1	10.8	94	1.1	292	17
17/07/24 06:45	14	23	37	1	10.7	94	1.4	285	16
17/07/24 06:50	11	22	33	1	10.8	94	1.5	285	17
17/07/24 06:55	7	23	30	1	10.7	94	1.6	280	11
17/07/24 07:00	6	22	28	1	10.6	94	1.8	286	14
17/07/24 07:05	7	22	28	1	10.7	94	2.2	280	9
17/07/24 07:10	7	22	29	1	10.7	94	1.8	282	11
17/07/24 07:15	9	22	31	1	10.8	94	2.1	277	11
17/07/24 07:20	10	24	34	1	10.7	94	1.8	278	12
17/07/24 07:25	18	23	41	1	10.7	93	2.2	271	12
17/07/24 07:30	30	23	54	1	10.8	94	2.9	265	5
17/07/24 07:35	28	26	54	1	10.8	93	3.4	262	6
17/07/24 07:40	32	22	54	1	10.7	94	3.1	260	8
17/07/24 07:45	31	24	55	1	10.7	94	3.1	264	7
17/07/24 07:50	34	24	59	1	10.6	94	2.9	266	7
17/07/24 07:55	33	24	57	1	10.6	94	2.6	268	7
17/07/24 08:00	33	23	55	1	10.6	94	3.0	267	8
17/07/24 08:05	32	24	56	1	10.6	95	1.8	275	14
17/07/24 08:10	46	24	70	1	10.6	94	1.8	276	9
17/07/24 08:15	47	24	71	1	10.5	95	2.0	267	15
17/07/24 08:20	47	23	71	1	10.5	95	2.8	268	8
17/07/24 08:25	47	23	70	1	10.5	95	2.6	264	8
17/07/24 08:30	47	23	71	1	10.5	95	2.7	260	7
17/07/24 08:35	46	23	69	1	10.5	95	3.2	259	8
17/07/24 08:40	43	22	65	1	10.6	95	3.4	257	6
17/07/24 08:45	45	23	68	1	10.6	95	3.5	264	5
17/07/24 08:50	46	22	69	1	10.5	95	3.8	266	5
17/07/24 08:55	44	22	66	1	10.6	95	3.7	263	6
17/07/24 09:00	36	24	60	1	10.5	95	3.4	259	5
17/07/24 09:05	32	22	54	1	10.6	95	2.9	261	6
17/07/24 09:10	35	22	57	1	10.7	95	2.8	260	4
17/07/24 09:15	37	22	59	1	10.7	95	1.6	257	8
17/07/24 09:20	36	23	60	1	10.6	95	2.0	265	11
17/07/24 09:25	35	23	57	1	10.6	95	1.8	268	9
17/07/24 09:30	35	22	57	1	10.8	95	1.4	263	10
17/07/24 09:35	33	22	54	1	11.0	93	0.9	260	9
17/07/24 09:40	35	20	55	1	11.4	92	0.6	261	15
17/07/24 09:45	38	19	57	1	11.7	90	0.8	266	9
17/07/24 09:50	38	20	58	2	11.8	89	0.7	254	13
17/07/24 09:55	16	15	32	1	12.1	88	1.1	229	15
17/07/24 10:00	7	10	17	1	12.5	87	1.1	217	12
17/07/24 10:05	6	10	16	2	12.4	87	2.3	235	5
17/07/24 10:10	6	11	17	2	12.2	88	2.3	239	6

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
17/07/24 10:15	6	11	16	2	12.0	89	2.7	237	7
17/07/24 10:20	6	10	16	2	11.9	90	3.0	237	4
17/07/24 10:25	6	10	16	2	12.0	91	3.3	241	4
17/07/24 10:30	6	10	15	2	12.0	91	3.2	239	3
17/07/24 10:35	6	9	15	2	12.1	91	3.3	243	4
17/07/24 10:40	6	10	15	1	12.1	91	3.5	239	6
17/07/24 10:45	6	9	15	1	12.3	91	3.5	238	3
17/07/24 10:50	6	9	15	1	12.4	90	3.6	235	3
17/07/24 10:55	5	9	14	2	12.4	91	3.4	234	3
17/07/24 11:00	5	9	14	2	12.3	92	3.4	229	4
17/07/24 11:05	5	9	14	1	12.3	92	3.5	228	3
17/07/24 11:10	4	8	13	2	12.3	92	3.2	226	3
17/07/24 11:15	4	8	13	1	12.2	93	3.3	228	3
17/07/24 11:20	4	8	12	1	12.3	93	3.2	230	3
17/07/24 11:25	4	8	11	1	12.3	92	3.0	229	3
17/07/24 11:30	3	7	11	2	12.5	92	3.6	229	3
17/07/24 11:35	3	7	10	1	12.5	91	4.0	226	3
17/07/24 11:40	3	6	10	1	12.5	91	3.5	226	3
17/07/24 11:45	3	6	9	1	12.5	91	3.3	228	3
17/07/24 11:50	3	6	9	2	12.7	91	3.5	226	3
17/07/24 11:55	3	6	8	2	12.7	90	3.8	224	3
17/07/24 12:00	3	6	8	2	12.7	90	4.1	225	4
17/07/24 12:05	2	6	8	2	12.7	90	3.7	228	3
17/07/24 12:10	2	6	8	2	12.8	90	3.8	222	3
17/07/24 12:15	3	6	8	1	12.7	89	3.1	219	3
17/07/24 12:20	3	6	8	1	12.8	89	2.9	219	3
17/07/24 12:25	2	5	7	1	13.1	88	3.2	224	4
17/07/24 12:30	2	5	7	1	13.0	87	3.6	224	3
17/07/24 12:35	2	5	7	1	13.1	88	3.6	220	4
17/07/24 12:40	2	4	6	1	13.2	88	3.7	222	5
17/07/24 12:45	2	3	5	1	12.9	88	4.1	220	5
17/07/24 12:50	1	3	5	1	13.0	88	4.4	225	2
17/07/24 12:55	1	3	4	1	13.0	89	4.2	225	4
17/07/24 13:00	1	3	4	1	13.0	89	4.5	220	3
17/07/24 13:05	3	9	13	1	13.1	88	5.2	222	4
17/07/24 13:10	3	3	6	1	13.0	89	5.6	226	3
17/07/24 13:15	1	2	2	1	13.0	89	5.6	227	3
17/07/24 13:20	1	2	3	1	13.0	89	4.8	223	3
17/07/24 13:25	1	2	3	1	13.0	89	5.2	219	4
17/07/24 13:30	0	2	3	1	13.2	88	4.9	217	3
17/07/24 13:35	1	2	3	1	13.2	87	5.1	223	4
17/07/24 13:40	1	2	3	1	13.2	87	5.7	223	3
17/07/24 13:45	1	2	3	1	13.1	88	6.7	226	3
17/07/24 13:50	1	2	2	1	13.0	89	7.0	225	3
17/07/24 13:55	0	2	2	1	12.8	91	6.3	226	4
17/07/24 14:00	0	2	2	1	12.6	92	6.5	220	3
17/07/24 14:05	1	2	3	1	12.5	93	5.5	218	4
17/07/24 14:10	1	3	4	1	12.5	92	4.8	218	4
17/07/24 14:15	1	1	2	1	12.5	90	5.7	220	4
17/07/24 14:20	1	1	2	1	12.6	91	6.3	224	4
17/07/24 14:25	1	1	2	1	12.6	91	6.5	224	4
17/07/24 14:30	1	1	2	1	12.5	91	6.4	226	4
17/07/24 14:35	0	1	2	1	12.5	91	6.6	224	5
17/07/24 14:40	0	1	1	1	12.5	90	6.8	223	4
17/07/24 14:45	0	1	1	1	12.4	90	6.8	228	4
17/07/24 14:50	0	1	1	1	12.3	90	6.3	231	3
17/07/24 14:55	0	1	1	1	12.3	90	6.3	228	4
17/07/24 15:00	0	1	1	1	12.3	91	5.7	225	5
17/07/24 15:05	0	1	1	1	12.4	91	5.8	222	3
17/07/24 15:10	0	1	1	1	12.3	92	5.7	222	5
17/07/24 15:15	0	1	2	1	12.4	92	5.0	230	5
17/07/24 15:20	0	1	2	1	12.3	92	4.8	229	5
17/07/24 15:25	0	1	2	1	12.4	91	4.2	227	4
17/07/24 15:30	0	1	2	1	12.4	91	4.1	226	6
17/07/24 15:35	0	1	2	1	12.4	91	4.1	228	4
17/07/24 15:40	0	1	2	1	12.5	90	3.9	221	4
17/07/24 15:45	0	1	1	1	12.5	90	3.4	219	7
17/07/24 15:50	0	1	2	1	12.6	89	3.7	222	7
17/07/24 15:55	0	2	2	1	12.6	90	3.8	227	6
17/07/24 16:00	0	2	2	1	12.6	89	3.6	226	5
17/07/24 16:05	0	2	2	1	12.6	89	3.5	219	5
17/07/24 16:10	0	2	2	1	12.7	89	3.5	214	5
17/07/24 16:15	0	2	2	1	12.6	88	4.2	212	5
17/07/24 16:20	0	3	3	1	12.6	89	4.4	206	4
17/07/24 16:25	1	10	11	1	12.5	90	3.7	210	6
17/07/24 16:30	1	16	17	1	12.4	90	3.8	220	5
17/07/24 16:35	1	6	7	1	12.4	91	3.9	225	5
17/07/24 16:40	1	1	2	1	12.3	91	5.6	233	6
17/07/24 16:45	1	1	1	1	12.2	91	8.2	228	8
17/07/24 16:50	1	1	2	1	11.8	93	8.6	222	4
17/07/24 16:55	1	2	2	1	11.6	95	6.8	214	7
17/07/24 17:00	2	22	24	1	11.5	94	5.2	215	7
17/07/24 17:05	3	9	12	1	11.6	94	4.4	222	5
17/07/24 17:10	0	1	1	1	11.7	95	4.3	228	5
17/07/24 17:15	0	1	1	1	11.7	94	4.2	228	4
17/07/24 17:20	0	2	2	1	11.7	94	4.7	232	5

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
17/07/24 17:25	0	2	2	1	11.9	93	4.5	234	5
17/07/24 17:30	0	2	2	1	11.9	92	4.4	237	6
17/07/24 17:35	0	2	2	1	12.0	92	5.8	234	5
17/07/24 17:40	0	2	2	1	12.1	91	5.8	232	4
17/07/24 17:45	0	2	2	1	12.1	91	8.7	232	6
17/07/24 17:50	0	3	3	1	11.7	93	9.4	230	5
17/07/24 17:55	1	7	8	1	11.6	93	7.9	225	4
17/07/24 18:00	0	1	1	1	11.5	92	7.0	222	5
17/07/24 18:05	0	1	1	1	11.7	90	7.5	219	4
17/07/24 18:10	0	1	1	1	11.8	89	7.2	217	4
17/07/24 18:15	0	1	1	1	11.8	90	6.1	221	5
17/07/24 18:20	0	1	1	1	11.7	90	7.9	218	4
17/07/24 18:25	1	4	4	1	11.8	91	7.6	222	5
17/07/24 18:30	1	0	1	1	11.8	92	6.9	220	5
17/07/24 18:35	0	1	1	1	11.8	93	6.7	214	4
17/07/24 18:40	0	1	2	1	11.7	92	7.6	214	4
17/07/24 18:45	0	2	2	1	11.7	92	8.4	208	5
17/07/24 18:50	0	2	2	1	11.4	93	9.3	214	6
17/07/24 18:55	0	2	2	1	10.9	93	9.0	214	4
17/07/24 19:00	0	3	3	1	10.9	95	8.2	207	3
17/07/24 19:05	0	2	3	1	10.7	94	7.2	205	5
17/07/24 19:10	1	14	15	1	11.1	92	8.2	202	6
17/07/24 19:15	5	20	25	1	11.4	91	6.4	200	7
17/07/24 19:20	6	6	12	1	11.3	91	6.6	205	6
17/07/24 19:25	10	12	21	1	11.4	88	6.3	200	5
17/07/24 19:30	9	8	18	1	11.4	86	5.8	203	5
17/07/24 19:35	2	3	5	1	11.5	89	5.8	205	5
17/07/24 19:40	1	2	3	1	11.5	89	5.9	213	4
17/07/24 19:45	1	3	4	1	11.6	87	5.6	221	6
17/07/24 19:50	0	1	2	1	11.6	85	6.1	221	5
17/07/24 19:55	0	1	1	1	11.7	86	5.2	220	3
17/07/24 20:00	0	1	1	1	11.6	88	4.6	211	7
17/07/24 20:05	0	1	1	1	11.6	91	4.8	206	4
17/07/24 20:10	0	1	1	1	11.5	92	5.2	206	5
17/07/24 20:15	0	1	1	1	11.5	93	4.9	209	6
17/07/24 20:20	0	3	3	1	11.5	93	4.9	215	4
17/07/24 20:25	0	6	6	1	11.5	92	4.6	216	4
17/07/24 20:30	0	4	4	1	11.4	92	3.7	237	9
17/07/24 20:35	0	4	4	1	11.4	91	3.7	241	5
17/07/24 20:40	0	12	12	1	11.2	90	3.5	246	6
17/07/24 20:45	0	12	12	1	11.2	88	3.5	252	9
17/07/24 20:50	0	15	16	1	11.1	88	3.8	254	6
17/07/24 20:55	1	15	16	1	11.1	87	3.8	251	8
17/07/24 21:00	1	15	16	1	11.2	86	4.3	251	9
17/07/24 21:05	1	15	16	1	11.2	85	4.5	245	8
17/07/24 21:10	1	13	14	1	11.3	84	4.9	243	6
17/07/24 21:15	1	12	13	1	11.3	83	4.9	248	8
17/07/24 21:20	1	13	14	1	11.4	84	4.7	257	7
17/07/24 21:25	1	13	14	1	11.3	82	4.8	252	7
17/07/24 21:30	1	12	13	1	11.4	82	5.2	249	6
17/07/24 21:35	1	13	14	1	11.4	82	5.2	248	5
17/07/24 21:40	1	13	14	1	11.4	81	5.0	245	7
17/07/24 21:45	1	9	10	1	11.5	81	4.6	242	6
17/07/24 21:50	0	7	8	1	11.5	80	4.7	242	7
17/07/24 21:55	0	7	7	1	11.5	79	5.5	242	6
17/07/24 22:00	0	5	5	1	11.6	79	5.5	241	6
17/07/24 22:05	0	4	4	1	11.6	78	6.0	243	6
17/07/24 22:10	0	5	5	1	11.6	78	5.7	242	6
17/07/24 22:15	0	5	5	1	11.4	79	5.5	241	7
17/07/24 22:20	0	5	5	1	11.3	81	6.8	237	7
17/07/24 22:25	0	4	4	1	10.9	85	9.0	233	5
17/07/24 22:30	0	3	3	1	10.5	87	7.8	238	6
17/07/24 22:35	0	3	3	1	10.3	89	6.8	244	5
17/07/24 22:40	0	3	3	1	10.2	90	6.4	246	5
17/07/24 22:45	0	4	4	1	10.1	90	6.2	243	6
17/07/24 22:50	0	3	3	1	10.2	89	6.4	240	6
17/07/24 22:55	0	3	3	1	10.2	90	6.8	240	5
17/07/24 23:00	0	3	3	1	10.2	91	6.8	248	7
17/07/24 23:05	0	4	4	1	10.0	92	6.9	254	8
17/07/24 23:10	0	5	5	1	9.9	92	7.2	256	7
17/07/24 23:15	0	6	6	1	9.8	93	6.2	258	7
17/07/24 23:20	0	6	6	1	9.7	92	4.8	261	4
17/07/24 23:25	0	8	8	1	9.8	91	4.8	264	6
17/07/24 23:30	0	15	16	1	9.8	90	5.0	263	6
17/07/24 23:35	1	15	15	1	9.9	90	5.2	264	4
17/07/24 23:40	1	17	17	1	10.0	89	5.6	263	5
17/07/24 23:45	1	17	18	1	9.9	90	4.9	255	6
17/07/24 23:50	1	16	17		9.9	89	4.8	252	7
17/07/24 23:55	1	14	15		9.9	89	5.6	246	11
18/07/24 00:00	1	12	13	1	9.7	91	6.2	246	9
18/07/24 00:05	1	9	10	1	9.5	93	6.2	252	7
18/07/24 00:10	1	9	10	1	9.4	93	5.4	251	7
18/07/24 00:15	0	10	10	1	9.4	93	5.1	255	7
18/07/24 00:20	0	10	11	1	9.5	91	5.7	254	8
18/07/24 00:25	1	9	10	1	9.5	91	5.4	256	8
18/07/24 00:30	0	10	10	1	9.5	91	5.3	263	5

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/07/24 00:35	1	10	11	1	9.5	92	5.5	261	6
18/07/24 00:40	1	11	11	2	9.4	92	5.5	261	6
18/07/24 00:45	1	11	12	1	9.4	92	5.1	261	8
18/07/24 00:50	1	12	13	2	9.4	92	4.8	263	9
18/07/24 00:55	0	13	13	2	9.4	91	3.7	270	8
18/07/24 01:00	0	12	13	2	9.5	91	4.2	265	9
18/07/24 01:05					9.6	89	4.6	263	6
18/07/24 01:10					9.6	88	4.4	258	7
18/07/24 01:15					9.7	88	4.7	262	5
18/07/24 01:20					9.7	89	4.5	265	5
18/07/24 01:25					9.6	89	4.5	263	7
18/07/24 01:30					9.7	88	4.9	265	6
18/07/24 01:35					9.6	88	5.3	255	9
18/07/24 01:40					9.6	87	5.4	257	7
18/07/24 01:45					9.7	87	4.9	260	7
18/07/24 01:50					9.8	86	5.4	255	7
18/07/24 01:55					9.8	85	4.6	245	9
18/07/24 02:00					9.8	85	4.6	253	10
18/07/24 02:05	2	17	19	2	9.7	85	5.8	256	13
18/07/24 02:10	2	11	12	2	9.7	86	5.8	260	6
18/07/24 02:15	9	33	43	2	9.5	87	5.8	255	8
18/07/24 02:20	3	17	20	2	9.5	88	5.8	260	7
18/07/24 02:25	2	14	16	2	9.4	89	6.3	262	6
18/07/24 02:30	2	15	17	2	9.3	88	6.4	258	8
18/07/24 02:35	2	14	16	2	9.3	88	6.4	260	5
18/07/24 02:40	1	14	15	2	9.3	89	5.9	263	5
18/07/24 02:45	1	12	13	2	9.3	89	5.1	266	6
18/07/24 02:50	1	8	9	2	9.3	89	5.2	266	7
18/07/24 02:55	1	11	12	2	9.3	89	5.6	257	6
18/07/24 03:00	1	16	17	2	9.3	89	4.9	253	7
18/07/24 03:05	1	14	15	2	9.4	87	4.1	255	7
18/07/24 03:10	1	14	14	2	9.4	87	3.8	258	8
18/07/24 03:15	1	15	16	2	9.5	86	4.3	264	8
18/07/24 03:20	1	17	17	2	9.5	85	4.0	260	7
18/07/24 03:25	1	17	17	2	9.7	84	4.6	249	7
18/07/24 03:30	1	16	17	2	9.7	83	5.0	254	7
18/07/24 03:35	1	17	17	2	9.6	84	6.4	260	6
18/07/24 03:40	2	26	28	2	9.4	85	5.9	267	8
18/07/24 03:45	2	10	12	2	9.5	86	6.7	264	7
18/07/24 03:50	2	11	13	2	9.3	85	6.5	257	7
18/07/24 03:55	1	13	14	2	9.2	85	6.2	256	7
18/07/24 04:00	1	13	14	2	9.3	85	5.5	260	7
18/07/24 04:05	1	14	16	2	9.3	85	5.0	259	7
18/07/24 04:10	1	16	17	2	9.3	84	5.4	264	6
18/07/24 04:15	2	16	18	2	9.2	85	5.4	257	5
18/07/24 04:20	2	16	18	2	9.3	85	5.1	258	7
18/07/24 04:25	2	16	17	3	9.2	84	5.1	256	7
18/07/24 04:30	1	15	16	2	9.3	84	4.9	256	7
18/07/24 04:35	1	15	16	2	9.2	85	5.0	265	6
18/07/24 04:40	1	15	17	2	9.2	85	5.3	266	4
18/07/24 04:45	2	16	17	2	9.2	84	5.5	267	3
18/07/24 04:50	1	16	17	2	9.1	84	5.4	262	6
18/07/24 04:55	2	16	18	3	9.0	85	5.5	261	5
18/07/24 05:00	2	16	18	3	8.9	86	5.3	258	5
18/07/24 05:05	2	16	18	3	8.7	86	5.8	259	6
18/07/24 05:10	2	16	18	3	8.8	87	5.2	256	7
18/07/24 05:15	2	16	18	3	8.8	87	5.5	257	6
18/07/24 05:20	2	17	18	3	8.8	87	4.7	254	9
18/07/24 05:25	2	16	18	3	8.8	86	4.6	255	8
18/07/24 05:30	2	17	18	2	8.7	86	4.8	257	6
18/07/24 05:35	2	17	19	3	8.7	86	5.3	256	6
18/07/24 05:40	2	17	19	3	8.7	86	4.9	254	6
18/07/24 05:45	3	19	23	3	8.8	87	4.6	255	8
18/07/24 05:50	3	20	24	3	8.8	87	5.0	259	6
18/07/24 05:55	3	19	23	3	8.7	86	5.2	256	7
18/07/24 06:00	3	18	21	3	8.8	86	5.2	251	7
18/07/24 06:05	3	13	16	3	8.8	85	6.0	253	5
18/07/24 06:10	2	11	13	3	8.8	86	5.7	252	7
18/07/24 06:15	2	10	12	3	8.7	86	5.6	252	6
18/07/24 06:20	1	11	12	3	8.7	87	5.6	256	7
18/07/24 06:25	1	13	14	3	8.6	87	5.4	256	7
18/07/24 06:30	2	16	18	3	8.5	87	4.7	260	8
18/07/24 06:35	3	26	28	3	8.6	87	4.6	262	6
18/07/24 06:40	5	29	34	3	8.6	87	5.2	260	6
18/07/24 06:45	6	26	32	3	8.6	87	4.8	260	7
18/07/24 06:50	9	26	35	3	8.6	87	4.5	253	5
18/07/24 06:55	15	27	42	3	8.6	87	4.9	256	6
18/07/24 07:00	8	26	33	3	8.5	87	4.6	255	7
18/07/24 07:05	6	23	29	3	8.4	87	5.3	256	6
18/07/24 07:10	6	22	28	3	8.5	87	5.5	260	7
18/07/24 07:15	8	27	34	3	8.5	87	5.4	260	5
18/07/24 07:20	8	26	34	3	8.6	87	6.2	259	5
18/07/24 07:25	8	26	34	3	8.5	87	6.0	258	5
18/07/24 07:30	8	26	34	3	8.6	87	6.0	259	8
18/07/24 07:35	7	25	33	3	8.5	87	5.5	256	6
18/07/24 07:40	7	25	32	3	8.5	87	6.2	254	6

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/07/24 07:45	6	24	30	3	8.5	87	5.7	255	5
18/07/24 07:50	5	21	27	3	8.5	86	5.8	254	7
18/07/24 07:55	5	20	25	3	8.4	87	6.8	256	6
18/07/24 08:00	5	16	20	3	8.6	87	5.4	253	7
18/07/24 08:05	5	19	24	3	8.5	87	5.5	263	7
18/07/24 08:10	5	21	26	3	8.6	86	5.8	261	6
18/07/24 08:15	5	23	28	3	8.9	84	6.8	263	8
18/07/24 08:20	5	20	25	3	8.9	84	7.3	262	5
18/07/24 08:25	5	17	22	3	8.9	85	6.7	262	5
18/07/24 08:30	5	20	26	3	8.8	86	6.4	258	5
18/07/24 08:35	7	23	30	3	8.7	87	5.2	258	5
18/07/24 08:40	8	26	34	3	8.7	86	4.8	255	5
18/07/24 08:45	11	29	40	3	8.7	86	4.9	250	7
18/07/24 08:50	22	29	51	3	8.7	86	4.8	248	10
18/07/24 08:55	7	16	23	3	8.7	85	6.0	247	11
18/07/24 09:00	4	12	16	3	8.6	87	5.1	244	9
18/07/24 09:05	3	12	15	3	8.7	87	5.5	250	10
18/07/24 09:10	3	15	18	3	8.8	87	5.3	256	5
18/07/24 09:15	4	15	18	3	8.8	87	5.5	254	8
18/07/24 09:20	4	12	16	3	8.8	87	5.2	257	7
18/07/24 09:25	4	12	16	3	8.8	86	4.2	255	6
18/07/24 09:30	5	14	19	3	9.0	85	3.6	260	7
18/07/24 09:35	7	23	30	3	9.1	85	3.5	263	6
18/07/24 09:40	11	18	29	3	9.2	84	4.0	258	6
18/07/24 09:45	11	17	28	3	9.2	84	3.7	254	8
18/07/24 09:50	11	17	28	3	9.3	83	3.6	247	11
18/07/24 09:55	9	13	23	3	9.5	83	3.3	239	9
18/07/24 10:00	3	5	8	3	9.6	82	4.3	234	8
18/07/24 10:05	1	5	6	3	9.7	81	4.6	234	5
18/07/24 10:10	1	4	6	3	9.8	79	4.1	236	5
18/07/24 10:15	1	4	5	3	9.9	81	5.5	232	5
18/07/24 10:20	1	4	5	3	9.9	82	5.1	233	6
18/07/24 10:25	1	4	5	3	10.0	81	5.6	238	7
18/07/24 10:30	1	4	5	3	9.9	79	5.5	238	5
18/07/24 10:35	1	4	4	3	10.0	80	5.2	239	11
18/07/24 10:40	1	4	6	3	10.0	80	5.0	242	7
18/07/24 10:45	2	5	6	3	10.1	78	5.5	245	6
18/07/24 10:50	1	4	6	3	10.1	77	4.7	238	6
18/07/24 10:55	1	4	5	3	10.2	78	5.4	236	7
18/07/24 11:00	1	4	5	3	10.4	77	4.9	246	10
18/07/24 11:05	1	4	5	3	10.4	75	4.6	249	8
18/07/24 11:10	2	4	6	3	10.5	75	5.0	250	7
18/07/24 11:15	2	4	6	3	10.5	75	5.1	240	5
18/07/24 11:20	2	5	6	3	10.6	75	5.0	248	8
18/07/24 11:25	2	5	7	3	10.9	73	4.6	246	8
18/07/24 11:30	2	6	8	3	10.9	72	4.4	241	7
18/07/24 11:35	2	6	8	3	11.0	71	5.2	236	5
18/07/24 11:40	2	4	6	3	11.1	70	5.5	233	6
18/07/24 11:45	2	2	3	3	11.2	69	5.6	221	7
18/07/24 11:50	1	1	3	3	11.2	70	6.2	224	6
18/07/24 11:55	1	1	3	3	11.2	71	6.1	219	5
18/07/24 12:00	1	2	2	3	11.1	70	6.7	220	5
18/07/24 12:05	1	2	2	3	11.2	70	6.4	222	4
18/07/24 12:10	1	2	2	3	11.3	69	6.4	221	5
18/07/24 12:15	1	2	2	3	11.2	71	5.9	221	6
18/07/24 12:20	1	3	4	3	11.3	71	5.8	220	6
18/07/24 12:25	1	1	2	3	11.3	71	6.1	217	5
18/07/24 12:30	1	1	2	3	11.3	71	5.9	220	5
18/07/24 12:35	1	1	2	3	11.4	69	6.3	224	6
18/07/24 12:40	0	2	2	3	11.4	69	6.0	224	5
18/07/24 12:45	0	2	2	3	11.5	70	5.9	227	4
18/07/24 12:50	0	2	2	3	11.4	69	5.6	226	5
18/07/24 12:55	0	2	2	3	11.5	68	5.9	226	6
18/07/24 13:00	0	1	2	3	11.4	67	6.0	228	7
18/07/24 13:05	0	1	2	3	11.4	67	6.5	228	5
18/07/24 13:10	0	1	2	3	11.4	66	6.8	229	5
18/07/24 13:15	0	1	1	2	11.4	67	6.3	227	5
18/07/24 13:20	0	1	2	2	11.4	69	5.0	228	5
18/07/24 13:25	0	1	2	2	11.4	69	5.0	226	5
18/07/24 13:30	0	1	2	3	11.3	69	4.6	231	5
18/07/24 13:35	0	1	2	3	11.5	66	5.7	228	5
18/07/24 13:40	0	1	1	3	11.4	67	5.4	227	7
18/07/24 13:45	0	1	1	3	11.3	69	5.0	221	5
18/07/24 13:50	0	1	1	3	11.3	68	3.9	221	5
18/07/24 13:55	0	1	1	3	11.3	68	3.5	229	4
18/07/24 14:00	0	1	1	3	11.3	68	2.9	226	5
18/07/24 14:05	0	1	1	3	11.4	68	3.3	225	4
18/07/24 14:10	0	1	1	2	11.4	69	3.1	227	5
18/07/24 14:15	0	1	2	3	11.5	70	3.0	219	4
18/07/24 14:20	0	2	2	3	11.4	70	2.6	216	5
18/07/24 14:25	0	2	2	2	11.3	70	2.6	222	7
18/07/24 14:30	0	2	2	2	11.4	71	3.3	218	9
18/07/24 14:35	0	3	4	2	11.5	72	3.4	225	9
18/07/24 14:40	1	3	4	2	11.4	70	3.9	219	4
18/07/24 14:45	1	3	3	2	11.5	69	3.8	212	5
18/07/24 14:50	1	3	3	2	11.4	71	4.1	217	5

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/07/24 14:55	0	2	3	2	11.5	70	3.4	219	6
18/07/24 15:00	0	2	3	2	11.5	71	2.9	226	7
18/07/24 15:05	0	2	3	2	11.5	70	3.6	225	5
18/07/24 15:10	0	2	3	2	11.5	69	2.7	223	5
18/07/24 15:15	0	2	3	2	11.6	70	2.2	211	8
18/07/24 15:20	0	3	3	2	11.5	71	2.5	205	7
18/07/24 15:25	0	3	4	2	11.5	70	2.9	213	7
18/07/24 15:30	0	3	4	2	11.6	70	3.6	219	7
18/07/24 15:35	0	3	3	2	11.6	68	2.5	215	11
18/07/24 15:40	0	3	4	2	11.6	69	2.9	223	14
18/07/24 15:45	0	3	3	2	11.7	64	3.8	233	5
18/07/24 15:50	0	3	3	2	11.8	62	3.9	231	7
18/07/24 15:55	0	2	3	2	11.8	64	4.5	230	4
18/07/24 16:00	0	2	2	2	11.9	66	4.2	231	5
18/07/24 16:05	0	2	2	2	11.9	64	5.0	233	5
18/07/24 16:10	0	2	2	2	11.8	63	4.7	237	4
18/07/24 16:15	0	2	3	2	11.9	60	5.8	236	7
18/07/24 16:20	0	2	3	2	11.8	61	5.1	237	7
18/07/24 16:25	0	3	3	2	11.9	61	5.5	235	4
18/07/24 16:30	0	3	3	2	11.8	61	4.6	237	5
18/07/24 16:35	0	3	3	2	11.9	63	4.0	237	5
18/07/24 16:40	0	3	4	2	11.8	62	3.6	243	9
18/07/24 16:45	0	4	4	2	11.8	58	4.4	246	7
18/07/24 16:50	0	5	5	2	11.8	57	4.3	253	6
18/07/24 16:55	1	10	10	2	11.8	58	4.0	253	6
18/07/24 17:00	1	8	9	2	11.8	58	3.5	254	5
18/07/24 17:05	1	7	8	2	11.8	58	3.2	252	6
18/07/24 17:10	1	18	20	2	11.8	61	2.6	261	10
18/07/24 17:15	2	23	25	2	11.7	61	2.4	264	7
18/07/24 17:20	2	13	15	2	11.7	59	3.1	261	8
18/07/24 17:25	1	14	15	2	11.8	61	3.5	263	6
18/07/24 17:30	2	22	24	2	11.8	60	3.5	259	5
18/07/24 17:35	2	16	18	2	11.8	59	4.0	262	6
18/07/24 17:40	2	14	16	2	11.8	57	3.2	268	7
18/07/24 17:45	1	10	11	2	11.7	60	1.8	292	14
18/07/24 17:50	1	13	14	2	11.6	56	1.4	306	11
18/07/24 17:55	1	18	19	2	11.6	56	1.4	296	15
18/07/24 18:00	1	20	21	2	11.7	59	1.4	284	15
18/07/24 18:05	1	22	22	2	11.6	59	1.3	272	11
18/07/24 18:10	1	24	25	2	11.6	60	1.5	259	8
18/07/24 18:15	1	29	30	2	11.6	62	0.9	290	14
18/07/24 18:20	2	36	38	2	11.5	59	0.9	282	16
18/07/24 18:25	2	36	38	2	11.5	63	0.7	276	18
18/07/24 18:30	2	35	37	2	11.4	64	0.6	286	27
18/07/24 18:35	2	35	37	2	11.3	60	1.0	321	13
18/07/24 18:40	2	34	37	2	11.4	59	0.7	298	18
18/07/24 18:45	3	34	37	2	11.4	59	0.7	313	19
18/07/24 18:50	3	35	38	2	11.3	59	0.6	323	16
18/07/24 18:55	4	35	39	2	11.4	58	0.6	345	19
18/07/24 19:00	5	35	41	2	11.3	59	0.5	357	27
18/07/24 19:05	8	36	44	2	11.2	60	0.8	358	15
18/07/24 19:10	22	36	58	2	11.1	60	0.6	351	23
18/07/24 19:15	28	38	66	2	11.1	61	0.7	318	23
18/07/24 19:20	28	38	66	2	11.1	61	0.7	308	24
18/07/24 19:25	23	39	62	2	10.9	61	1.2	318	17
18/07/24 19:30	30	38	68	3	11.1	61	1.2	314	15
18/07/24 19:35	39	38	77	3	11.0	60	1.2	326	21
18/07/24 19:40	42	37	79	3	11.0	61	1.0	330	21
18/07/24 19:45	42	38	80	3	11.0	60	1.4	318	16
18/07/24 19:50	40	39	78	3	10.9	61	0.9	332	24
18/07/24 19:55	43	38	81	3	10.8	61	0.9	340	30
18/07/24 20:00	43	38	81	4	10.8	62	0.7	347	27
18/07/24 20:05	43	38	81	4	10.6	63	1.1	1	26
18/07/24 20:10	43	38	81	3	10.5	64	1.2	352	24
18/07/24 20:15	40	38	79	3	10.5	64	1.3	325	20
18/07/24 20:20	38	38	76	3	10.5	64	1.5	323	16
18/07/24 20:25	42	35	77	3	10.5	65	1.4	314	18
18/07/24 20:30	41	36	78	4	10.5	65	1.1	317	23
18/07/24 20:35	39	37	76	4	10.4	65	1.4	323	25
18/07/24 20:40	22	39	61	3	10.3	66	1.7	309	18
18/07/24 20:45	11	31	43	3	10.4	65	2.2	308	13
18/07/24 20:50	9	33	42	3	10.5	65	2.6	307	10
18/07/24 20:55	8	33	40	3	10.5	65	1.8	319	19
18/07/24 21:00	7	31	38	3	10.4	66	1.5	312	17
18/07/24 21:05	6	31	37	3	10.4	66	1.9	307	12
18/07/24 21:10	6	31	36	3	10.3	66	2.7	309	10
18/07/24 21:15	6	30	36	3	10.4	67	2.1	306	12
18/07/24 21:20	6	30	37	3	10.4	67	2.7	308	12
18/07/24 21:25	6	30	36	2	10.3	67	2.5	307	9
18/07/24 21:30	6	29	36	2	10.3	67	2.4	307	14
18/07/24 21:35	6	29	34	2	10.3	68	2.4	311	16
18/07/24 21:40	5	28	33	2	10.3	68	1.9	317	21
18/07/24 21:45	4	26	31	2	10.3	68	2.2	309	14
18/07/24 21:50	7	26	32	2	10.3	69	1.1	356	24
18/07/24 21:55	30	31	60	2	10.0	69	1.4	355	22
18/07/24 22:00	24	31	56	2	9.9	70	1.6	355	22

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/07/24 22:05	23	30	53	2	9.9	71	1.0	345	35
18/07/24 22:10	25	29	54	2	9.8	71	1.7	329	22
18/07/24 22:15	25	29	54	2	9.8	71	1.1	348	25
18/07/24 22:20	24	29	52	2	9.9	71	1.7	326	25
18/07/24 22:25	23	29	52	2	9.8	71	1.6	330	24
18/07/24 22:30	29	27	55	2	9.9	71	1.0	354	30
18/07/24 22:35	39	26	65	2	10.0	71	1.1	341	31
18/07/24 22:40	28	32	59	2	10.0	71	1.2	356	24
18/07/24 22:45	25	32	57	2	9.9	71	1.3	349	32
18/07/24 22:50	22	31	54	2	9.9	71	1.8	356	20
18/07/24 22:55	19	31	50	2	10.0	70	1.0	328	37
18/07/24 23:00	15	31	45	2	10.0	70	1.3	346	26
18/07/24 23:05	13	29	42	2	10.1	69	1.5	355	25
18/07/24 23:10	13	29	41	2	10.2	68	2.1	326	20
18/07/24 23:15	12	28	41	2	10.3	67	1.6	352	29
18/07/24 23:20	12	27	39	2	10.3	67	1.3	339	30
18/07/24 23:25	9	19	28	2	10.3	67	1.8	350	25
18/07/24 23:30	4	19	23	2	10.4	67	2.0	357	22
18/07/24 23:35	2	22	24	2	10.4	67	1.3	359	29
18/07/24 23:40	1	21	22	2	10.4	68	1.4	348	27
18/07/24 23:45	1	19	20	2	10.3	68	1.7	354	27
18/07/24 23:50	1	18	19		10.4	68	1.5	357	23
18/07/24 23:55	1	18	19		10.3	68	1.8	333	31
19/07/24 00:00	1	19	20	2	10.2	69	1.6	339	30
19/07/24 00:05	2	20	21	2	10.3	69	1.5	352	32
19/07/24 00:10	2	21	23	2	10.2	69	1.3	339	35
19/07/24 00:15	2	21	23	2	10.1	70	1.9	347	30
19/07/24 00:20	3	21	24	2	10.1	70	1.7	326	32
19/07/24 00:25	3	22	25	2	10.1	70	1.9	321	25
19/07/24 00:30	3	22	26	1	10.2	71	2.0	313	23
19/07/24 00:35	3	22	25	2	10.2	71	1.7	313	20
19/07/24 00:40	3	22	25	2	10.1	71	2.4	327	24
19/07/24 00:45	3	22	25	2	10.1	71	1.7	324	29
19/07/24 00:50	3	22	24	2	10.1	71	2.1	334	33
19/07/24 00:55	2	21	24	2	10.0	71	2.0	328	23
19/07/24 01:00	3	21	23	2	10.0	71	2.4	330	29
19/07/24 01:05					9.9	71	1.8	340	31
19/07/24 01:10					9.8	72	2.0	353	27
19/07/24 01:15					9.8	72	1.2	351	38
19/07/24 01:20					9.7	73	1.7	351	30
19/07/24 01:25					9.6	73	1.5	352	35
19/07/24 01:30					9.5	73	2.0	328	28
19/07/24 01:35					9.5	73	1.1	331	41
19/07/24 01:40					9.4	74	1.8	343	31
19/07/24 01:45					9.4	74	1.4	328	33
19/07/24 01:50					9.4	74	1.5	327	37
19/07/24 01:55					9.4	74	1.5	335	35
19/07/24 02:00					9.3	74	1.3	317	28
19/07/24 02:05	5	20	25	2	9.3	74	1.4	360	34
19/07/24 02:10	3	11	15	2	9.1	74	1.3	3	33
19/07/24 02:15	1	8	9	1	9.0	74	1.6	360	31
19/07/24 02:20	1	8	9	1	9.0	74	2.0	358	27
19/07/24 02:25	1	9	10	1	9.0	74	1.9	4	24
19/07/24 02:30	0	10	11	2	9.0	74	1.6	349	34
19/07/24 02:35	0	10	11	1	9.0	74	1.3	352	41
19/07/24 02:40	0	10	10	1	9.0	74	1.9	347	26
19/07/24 02:45	0	9	10	1	8.9	73	2.3	8	24
19/07/24 02:50	0	9	9	1	8.8	74	2.3	4	20
19/07/24 02:55	0	9	9	1	8.7	74	1.9	1	25
19/07/24 03:00	0	9	10	1	8.8	74	2.5	9	24
19/07/24 03:05	0	10	11	1	8.7	75	2.5	7	23
19/07/24 03:10	1	11	11	1	8.6	75	2.6	358	25
19/07/24 03:15	0	11	12	1	8.6	75	3.1	3	19
19/07/24 03:20	0	11	11	1	8.7	75	2.2	7	25
19/07/24 03:25	0	11	11	1	8.7	75	2.0	346	31
19/07/24 03:30	0	11	11	1	8.8	76	1.7	325	31
19/07/24 03:35	0	11	12	1	8.8	76	1.5	338	31
19/07/24 03:40	1	12	13	1	8.7	76	1.9	351	28
19/07/24 03:45	1	12	13	1	8.7	76	1.8	8	26
19/07/24 03:50	0	12	13	1	8.6	77	1.5	19	33
19/07/24 03:55	1	13	14	1	8.6	77	2.0	8	23
19/07/24 04:00	0	12	13	1	8.6	77	2.2	19	23
19/07/24 04:05	0	11	12	1	8.8	76	1.6	3	29
19/07/24 04:10	0	10	10	1	8.9	75	2.5	7	27
19/07/24 04:15	0	9	10	1	9.0	75	1.8	332	35
19/07/24 04:20	0	9	9	1	9.2	74	1.5	332	37
19/07/24 04:25	0	9	9	1	9.2	73	2.0	356	28
19/07/24 04:30	0	9	9	1	9.3	72	2.0	340	39
19/07/24 04:35	0	9	10	1	9.4	71	2.1	345	30
19/07/24 04:40	0	9	10	1	9.4	71	1.9	350	38
19/07/24 04:45	0	10	11	1	9.4	72	2.2	16	30
19/07/24 04:50	0	10	11	1	9.3	71	3.7	12	23
19/07/24 04:55	0	9	10	1	9.5	70	3.6	5	24
19/07/24 05:00	0	8	9	1	9.5	69	3.3	19	20
19/07/24 05:05	0	8	8	1	9.6	69	3.1	13	23
19/07/24 05:10	0	7	8	1	9.6	69	2.9	358	27

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
19/07/24 05:15	0	7	8	1	9.6	68	2.8	331	28
19/07/24 05:20	1	8	9	1	9.7	68	2.5	349	32
19/07/24 05:25	1	10	11	1	9.7	68	3.0	340	26
19/07/24 05:30	1	12	13	1	9.8	67	3.3	327	23
19/07/24 05:35	1	14	15	1	10.0	66	3.7	338	26
19/07/24 05:40	1	13	14	1	10.0	66	3.9	3	26
19/07/24 05:45	1	11	12	1	9.9	66	5.0	16	23
19/07/24 05:50	1	8	9	1	10.0	66	4.3	10	24
19/07/24 05:55	1	6	7	1	10.0	66	4.5	18	27
19/07/24 06:00	1	5	6	1	10.1	65	5.6	9	24
19/07/24 06:05	1	5	6	1	10.1	65	4.5	355	30
19/07/24 06:10	1	7	7	1	10.1	65	3.5	354	27
19/07/24 06:15	1	11	12	1	10.2	65	4.2	5	24
19/07/24 06:20	1	13	14	1	10.1	66	2.9	351	38
19/07/24 06:25	1	12	13	1	10.2	66	2.7	7	42
19/07/24 06:30	1	12	13	1	10.1	66	3.8	348	28
19/07/24 06:35	1	13	14	1	10.2	66	2.2	330	44
19/07/24 06:40	1	13	14	1	10.2	66	2.0	347	41
19/07/24 06:45	1	13	14	1	10.1	66	4.3	358	20
19/07/24 06:50	1	14	15	1	10.1	67	3.7	11	21
19/07/24 06:55	1	14	15	1	10.1	66	2.9	2	28
19/07/24 07:00	1	14	15	1	10.1	66	4.3	8	20
19/07/24 07:05	1	14	15	1	10.2	66	3.7	13	25
19/07/24 07:10	1	14	15	1	10.2	65	4.7	7	23
19/07/24 07:15	1	13	15	1	10.3	65	4.7	18	24
19/07/24 07:20	1	13	14	1	10.4	65	4.7	18	21
19/07/24 07:25	1	13	14	1	10.3	65	5.7	17	21
19/07/24 07:30	1	13	14	1	10.3	65	4.7	5	23
19/07/24 07:35	1	13	14	1	10.3	66	4.3	16	24
19/07/24 07:40	1	13	14	1	10.2	66	3.8	359	27
19/07/24 07:45	1	13	15	1	10.2	66	3.7	4	26
19/07/24 07:50	1	13	15	1	10.3	66	3.7	340	30
19/07/24 07:55	2	15	16	1	10.3	67	3.3	342	30
19/07/24 08:00	2	17	20	1	10.3	66	3.2	340	33
19/07/24 08:05	3	18	21	1	10.2	66	3.5	358	34
19/07/24 08:10	3	18	20	1	10.3	67	2.3	344	38
19/07/24 08:15	3	18	21	1	10.3	67	3.4	350	28
19/07/24 08:20	3	17	21	1	10.2	67	3.7	359	33
19/07/24 08:25	3	16	19	1	10.3	66	3.6	348	34
19/07/24 08:30	3	16	19	1	10.3	67	3.6	356	33
19/07/24 08:35	3	16	19	1	10.3	67	4.5	353	26
19/07/24 08:40	3	15	18	1	10.3	66	5.7	11	21
19/07/24 08:45	3	14	16	1	10.4	66	3.8	13	21
19/07/24 08:50	3	12	15	1	10.3	66	4.8	25	23
19/07/24 08:55	3	10	12	1	10.4	66	4.3	25	15
19/07/24 09:00	3	10	12	1	10.3	66	4.4	18	20
19/07/24 09:05	3	11	13	1	10.3	66	4.8	28	19
19/07/24 09:10	3	11	13	1	10.4	66	4.9	21	17
19/07/24 09:15	2	11	14	1	10.4	67	3.6	12	22
19/07/24 09:20	2	12	14	1	10.4	67	3.7	24	18
19/07/24 09:25	3	12	15	1	10.4	67	3.7	24	21
19/07/24 09:30	3	12	15	1	10.4	67	3.2	359	27
19/07/24 09:35	3	13	15	1	10.5	67	3.4	10	32
19/07/24 09:40	3	13	15	1	10.6	67	4.4	6	26
19/07/24 09:45	3	13	15	1	10.6	67	4.1	7	21
19/07/24 09:50	3	13	16	1	10.6	67	3.6	3	29
19/07/24 09:55	3	14	17	1	10.6	67	4.7	3	26
19/07/24 10:00	3	13	16	1	10.7	67	4.2	351	28
19/07/24 10:05	3	14	17	1	10.7	68	3.0	357	32
19/07/24 10:10	3	14	18	1	10.7	68	4.3	1	24
19/07/24 10:15	3	14	18	1	10.7	68	3.7	4	25
19/07/24 10:20	3	14	17	1	10.8	68	4.2	356	28
19/07/24 10:25	3	13	16	1	10.9	68	2.3	346	36
19/07/24 10:30	3	13	16	1	10.9	68	3.1	356	26
19/07/24 10:35	3	14	16	1	10.9	67	2.6	1	36
19/07/24 10:40	3	14	17	1	11.0	68	1.1	342	43
19/07/24 10:45	3	15	18	1	11.1	68	1.7	347	33
19/07/24 10:50	3	16	19	1	11.1	68	0.6	350	64
19/07/24 10:55	3	17	20	1	11.1	68	1.7	26	21
19/07/24 11:00	5	16	21	1	11.1	68	3.3	12	21
19/07/24 11:05	2	13	15	1	11.3	67	3.7	0	27
19/07/24 11:10	2	12	14	1	11.3	66	3.5	349	34
19/07/24 11:15	2	11	13	1	11.4	67	3.8	9	31
19/07/24 11:20	2	10	13	1	11.3	67	4.6	360	29
19/07/24 11:25	2	10	12	1	11.4	67	4.4	1	24
19/07/24 11:30	2	10	12	1	11.4	67	3.3	14	26
19/07/24 11:35	2	10	13	1	11.3	67	3.5	13	25
19/07/24 11:40	2	10	13	1	11.4	67	3.8	14	31
19/07/24 11:45	2	10	12	1	11.4	67	4.1	11	26
19/07/24 11:50	2	10	12	1	11.4	68	4.0	12	23
19/07/24 11:55	2	10	12	1	11.5	68	4.6	7	26
19/07/24 12:00	2	10	12	1	11.4	68	4.2	359	36
19/07/24 12:05	2	11	13	1	11.4	69	3.3	347	36
19/07/24 12:10	2	11	13	1	11.3	68	4.2	353	32
19/07/24 12:15	3	10	13	1	11.3	68	4.1	4	31
19/07/24 12:20	3	10	13	1	11.3	68	5.5	16	21

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
19/07/24 12:25	3	10	13	1	11.4	68	4.9	11	23
19/07/24 12:30	3	10	12	1	11.3	69	6.5	357	21
19/07/24 12:35	2	9	12	1	11.4	69	4.6	10	29
19/07/24 12:40	3	9	12	1	11.4	68	6.4	3	19
19/07/24 12:45	3	9	11	1	11.5	68	5.0	10	30
19/07/24 12:50	3	9	11	1	11.6	68	7.1	7	22
19/07/24 12:55	3	8	11	1	11.5	68	6.5	7	23
19/07/24 13:00	3	8	10	1	11.6	68	4.6	4	25
19/07/24 13:05	3	8	11	1	11.6	68	4.8	8	29
19/07/24 13:10	3	8	11	1	11.7	68	3.8	350	38
19/07/24 13:15	3	8	11	1	11.8	67	5.9	7	23
19/07/24 13:20	3	8	11	1	12.0	66	4.9	356	28
19/07/24 13:25	3	8	12	1	12.0	67	5.0	359	27
19/07/24 13:30	4	9	13	1	11.9	67	5.5	351	31
19/07/24 13:35	3	9	12	1	11.9	67	6.2	8	20
19/07/24 13:40	3	9	12	1	11.9	67	4.2	7	23
19/07/24 13:45	3	9	12	1	11.9	67	5.1	3	26
19/07/24 13:50	3	9	12	1	11.9	67	5.0	1	29
19/07/24 13:55	3	9	13	1	11.9	68	4.9	6	25
19/07/24 14:00	3	10	13	1	11.8	68	5.2	359	23
19/07/24 14:05	3	10	14	1	11.9	68	4.7	356	31
19/07/24 14:10	4	11	14	1	11.9	68	4.2	3	28
19/07/24 14:15	3	11	14	1	11.8	68	5.1	0	31
19/07/24 14:20	3	11	14	1	11.8	68	5.2	0	23
19/07/24 14:25	3	11	14	1	11.8	68	5.5	1	26
19/07/24 14:30	3	11	14	1	11.8	68	5.9	7	17
19/07/24 14:35	3	11	14	1	11.8	68	5.3	2	22
19/07/24 14:40	3	11	14	1	11.8	68	4.1	356	35
19/07/24 14:45	3	12	15	1	11.8	68	5.7	359	23
19/07/24 14:50	4	12	16	1	11.8	68	5.7	7	23
19/07/24 14:55	4	12	17	1	12.0	68	5.9	7	21
19/07/24 15:00	4	12	16	1	11.9	68	5.6	2	24
19/07/24 15:05	4	12	16	1	12.0	68	5.3	9	22
19/07/24 15:10	4	12	16	1	11.9	68	5.5	3	21
19/07/24 15:15	4	12	16	1	12.0	69	3.5	11	28
19/07/24 15:20	3	12	15	1	11.9	69	4.7	3	25
19/07/24 15:25	3	12	15	1	11.9	69	5.5	5	22
19/07/24 15:30	3	12	15	1	11.9	69	5.4	6	27
19/07/24 15:35	2	11	13	1	11.9	70	4.9	11	25
19/07/24 15:40	2	11	13	1	11.9	70	5.1	17	23
19/07/24 15:45	2	10	12	1	11.9	70	4.9	20	21
19/07/24 15:50	2	10	12	1	11.9	70	5.0	18	22
19/07/24 15:55	2	10	12	1	11.8	71	4.3	21	24
19/07/24 16:00	2	9	11	1	11.8	71	5.1	29	18
19/07/24 16:05	2	9	10	1	11.7	71	6.4	24	16
19/07/24 16:10	2	8	10	1	11.7	71	4.6	16	21
19/07/24 16:15	2	8	10	1	11.6	72	4.3	23	18
19/07/24 16:20	1	8	10	1	11.6	73	5.2	11	23
19/07/24 16:25	1	8	9	1	11.6	73	4.9	9	21
19/07/24 16:30	1	8	9	1	11.5	73	4.9	14	21
19/07/24 16:35	2	8	10	1	11.5	73	4.7	11	23
19/07/24 16:40	2	8	10	1	11.4	74	4.0	15	28
19/07/24 16:45	1	8	10	1	11.4	74	4.3	16	23
19/07/24 16:50	1	8	10	1	11.3	74	4.5	15	23
19/07/24 16:55	1	8	10	1	11.4	74	6.0	8	18
19/07/24 17:00	1	8	9	1	11.4	74	4.8	10	19
19/07/24 17:05	1	8	9	1	11.4	74	3.4	5	33
19/07/24 17:10	1	9	10	1	11.4	75	5.2	5	23
19/07/24 17:15	1	9	10	1	11.4	75	4.5	11	22
19/07/24 17:20	1	10	11	1	11.3	75	3.7	6	26
19/07/24 17:25	1	11	12	1	11.4	74	4.2	5	23
19/07/24 17:30	1	11	12	1	11.5	73	3.9	14	23
19/07/24 17:35	2	11	12	1	11.5	72	5.1	14	21
19/07/24 17:40	2	10	12	1	11.6	72	4.2	8	25
19/07/24 17:45	1	11	12	1	11.6	72	4.5	11	24
19/07/24 17:50	1	10	12	1	11.7	72	3.8	4	28
19/07/24 17:55	1	10	12	1	11.7	72	3.5	5	30
19/07/24 18:00	1	10	11	1	11.8	71	4.5	6	24
19/07/24 18:05	1	10	11	1	11.7	71	4.0	358	21
19/07/24 18:10	1	11	12	1	11.7	71	3.8	9	25
19/07/24 18:15	1	11	12	1	11.7	71	4.0	6	25
19/07/24 18:20	2	11	13	1	11.9	71	4.3	5	21
19/07/24 18:25	2	11	13	1	11.9	71	4.4	9	28
19/07/24 18:30	1	11	12	1	11.9	71	4.8	11	26
19/07/24 18:35	1	10	12	1	12.0	71	4.4	8	23
19/07/24 18:40	1	10	12	1	12.0	71	5.4	9	20
19/07/24 18:45	1	10	11	1	11.9	71	4.9	12	22
19/07/24 18:50	2	10	11	1	12.0	72	4.3	10	26
19/07/24 18:55	2	9	11	1	11.9	72	4.7	9	26
19/07/24 19:00	1	9	11	1	11.9	72	5.6	8	21
19/07/24 19:05	1	9	10	1	11.9	72	5.0	9	20
19/07/24 19:10	1	8	10	1	11.9	72	4.9	10	20
19/07/24 19:15	1	8	9	1	11.9	72	4.9	10	20
19/07/24 19:20	1	8	9	1	11.9	72	6.3	12	19
19/07/24 19:25	1	7	8	1	12.0	72	6.1	16	19
19/07/24 19:30	1	7	8	1	12.0	72	5.6	11	20

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
19/07/24 19:35	1	7	8	1	11.9	72	5.5	10	18
19/07/24 19:40	1	7	8	1	12.0	72	5.3	15	24
19/07/24 19:45	1	7	7	1	12.0	72	4.5	8	20
19/07/24 19:50	1	7	7	1	12.0	72	6.5	8	18
19/07/24 19:55	1	6	8	1	12.1	71	5.2	5	23
19/07/24 20:00	1	7	8	1	12.1	71	4.5	6	29
19/07/24 20:05	1	7	8	1	12.1	72	5.4	10	18
19/07/24 20:10	1	7	8	1	12.0	72	6.3	10	20
19/07/24 20:15	1	6	7	1	12.1	73	4.8	8	26
19/07/24 20:20	1	6	7	1	12.0	74	5.9	15	20
19/07/24 20:25	1	6	6	1	12.0	74	5.9	4	23
19/07/24 20:30	1	5	6	1	12.0	75	5.2	12	17
19/07/24 20:35	1	5	6	1	11.9	75	5.7	8	20
19/07/24 20:40	1	6	7	1	12.0	74	4.7	8	28
19/07/24 20:45	1	6	7	1	11.9	74	4.8	360	24
19/07/24 20:50	1	6	7	1	12.0	74	4.6	7	22
19/07/24 20:55	1	6	7	1	12.1	74	4.7	3	29
19/07/24 21:00	1	6	6	1	12.0	74	4.3	6	23
19/07/24 21:05	1	6	6	1	12.1	74	4.9	9	23
19/07/24 21:10	1	6	6	1	12.0	74	5.4	9	20
19/07/24 21:15	1	6	6	1	12.1	74	5.0	358	28
19/07/24 21:20	1	6	6	1	12.0	75	4.1	8	29
19/07/24 21:25	1	5	6	1	11.9	75	5.1	6	23
19/07/24 21:30	1	5	6	1	12.0	75	4.7	13	20
19/07/24 21:35	1	5	6	1	11.9	75	4.3	10	19
19/07/24 21:40	1	5	6	1	11.9	74	4.8	5	28
19/07/24 21:45	1	5	6	1	12.0	73	4.4	2	24
19/07/24 21:50	0	5	6	1	12.1	73	3.2	2	30
19/07/24 21:55	0	5	6	1	12.1	73	4.5	357	24
19/07/24 22:00	0	5	6	1	12.0	74	4.0	2	31
19/07/24 22:05	1	5	6	1	12.0	74	4.2	8	23
19/07/24 22:10	1	6	6	1	12.0	74	2.8	5	25
19/07/24 22:15	0	6	6	1	12.0	74	3.9	4	29
19/07/24 22:20	0	6	6	1	12.1	73	3.6	7	29
19/07/24 22:25	0	6	6	1	12.2	73	4.9	356	23
19/07/24 22:30	0	5	6	1	12.2	73	3.3	5	29
19/07/24 22:35	0	5	5	1	12.1	73	4.7	3	27
19/07/24 22:40	0	5	5	1	12.2	74	2.5	354	37
19/07/24 22:45	0	5	5	1	12.2	73	2.7	329	31
19/07/24 22:50	0	5	5	1	12.3	73	3.9	349	27
19/07/24 22:55	0	5	5	1	12.3	72	3.3	352	29
19/07/24 23:00	0	5	5	1	12.4	72	3.1	349	36
19/07/24 23:05	1	4	5	1	12.4	70	4.2	343	31
19/07/24 23:10	1	4	4	1	12.6	69	3.7	350	33
19/07/24 23:15	0	4	4	1	12.6	68	4.3	345	32
19/07/24 23:20	0	4	4	1	12.7	68	4.8	340	30
19/07/24 23:25	0	4	4	1	12.6	68	3.9	358	29
19/07/24 23:30	0	4	4	1	12.6	69	4.5	1	28
19/07/24 23:35	0	4	4	1	12.6	69	4.6	359	26
19/07/24 23:40	0	4	4	1	12.5	70	4.5	356	25
19/07/24 23:45	0	4	4	1	12.5	70	4.1	358	32
19/07/24 23:50	0	4	4		12.5	70	3.4	354	36
19/07/24 23:55	0	4	4		12.5	70	3.9	353	30
20/07/24 00:00	0	4	4	1	12.6	70	3.0	345	42
20/07/24 00:05	0	4	4	1	12.6	70	4.0	351	33
20/07/24 00:10	0	4	4	1	12.6	70	4.3	335	30
20/07/24 00:15	0	3	3	1	12.5	70	3.6	339	29
20/07/24 00:20	0	3	4	1	12.6	71	2.6	349	31
20/07/24 00:25	0	3	4	1	12.5	71	3.8	322	29
20/07/24 00:30	0	3	3	1	12.5	71	2.3	342	38
20/07/24 00:35	0	3	3	1	12.4	72	2.4	326	35
20/07/24 00:40	0	3	3	1	12.3	72	2.9	329	35
20/07/24 00:45	0	3	3	1	12.4	71	3.6	340	29
20/07/24 00:50	0	3	3	1	12.4	71	2.6	330	30
20/07/24 00:55	0	4	4	1	12.4	71	3.1	307	20
20/07/24 01:00	0	4	4	1	12.5	70	4.0	317	23
20/07/24 01:05					12.6	69	3.6	312	22
20/07/24 01:10					12.6	69	2.5	319	32
20/07/24 01:15					12.6	69	3.4	322	23
20/07/24 01:20					12.7	69	2.6	318	29
20/07/24 01:25					12.6	69	3.3	323	25
20/07/24 01:30					12.7	69	2.4	334	33
20/07/24 01:35					12.7	69	2.1	335	35
20/07/24 01:40					12.6	69	2.5	348	33
20/07/24 01:45					12.7	69	2.5	347	32
20/07/24 01:50					12.7	69	2.5	348	33
20/07/24 01:55					12.7	69	3.5	350	31
20/07/24 02:00					12.7	69	2.4	345	42
20/07/24 02:05	0	4	5	1	12.7	70	2.9	340	28
20/07/24 02:10	0	4	5	1	12.6	70	2.0	342	33
20/07/24 02:15	0	5	5	1	12.6	70	2.4	356	28
20/07/24 02:20	0	5	5	1	12.6	70	3.3	343	29
20/07/24 02:25	0	5	5	1	12.7	69	2.4	338	36
20/07/24 02:30	0	5	5	1	12.7	69	2.5	346	39
20/07/24 02:35	0	5	5	1	12.8	68	3.4	325	35
20/07/24 02:40	0	5	5	1	12.9	67	2.7	336	29

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/07/24 02:45	0	5	5	1	12.9	67	3.1	329	24
20/07/24 02:50	0	4	4	1	12.9	67	3.8	330	33
20/07/24 02:55	0	4	4	1	12.9	68	3.8	318	25
20/07/24 03:00	0	4	4	1	12.8	68	4.1	327	23
20/07/24 03:05	0	4	4	1	12.8	67	3.9	335	31
20/07/24 03:10	0	4	4	1	12.8	67	4.0	315	20
20/07/24 03:15	0	4	4	1	12.8	67	3.9	315	19
20/07/24 03:20	0	5	5	1	12.8	67	3.4	313	24
20/07/24 03:25	0	5	6	1	12.8	67	5.0	308	22
20/07/24 03:30	0	6	6	1	12.8	67	3.6	320	30
20/07/24 03:35	0	7	7	1	12.8	67	3.2	316	21
20/07/24 03:40	0	7	7	1	12.8	67	3.0	329	28
20/07/24 03:45	0	6	6	1	12.9	67	3.8	313	21
20/07/24 03:50	0	7	7	1	12.8	67	3.7	307	21
20/07/24 03:55	0	7	7	1	12.9	67	3.9	311	21
20/07/24 04:00	0	7	7	1	12.8	67	2.2	336	29
20/07/24 04:05	0	6	6	1	12.7	67	2.0	318	31
20/07/24 04:10	0	6	6	1	12.7	67	3.1	322	25
20/07/24 04:15	0	5	6	1	12.7	67	3.3	320	24
20/07/24 04:20	0	6	6	1	12.8	66	3.7	311	22
20/07/24 04:25	0	6	6	1	12.9	66	3.6	307	19
20/07/24 04:30	0	6	6	1	12.8	66	3.0	314	29
20/07/24 04:35	0	6	7	1	12.8	66	3.4	312	25
20/07/24 04:40	0	6	7	1	12.8	68	2.7	322	24
20/07/24 04:45	0	6	6	1	12.6	68	2.4	337	30
20/07/24 04:50	0	6	6	1	12.6	69	1.5	333	36
20/07/24 04:55	0	6	6	1	12.4	70	2.2	336	33
20/07/24 05:00	0	6	6	1	12.4	70	2.5	318	29
20/07/24 05:05	0	6	6	1	12.4	69	4.1	307	18
20/07/24 05:10	0	7	7	1	12.5	69	3.7	305	19
20/07/24 05:15	0	7	8	1	12.5	69	4.5	307	18
20/07/24 05:20	0	8	8	1	12.5	69	4.1	304	17
20/07/24 05:25	0	8	8	1	12.5	68	4.4	302	17
20/07/24 05:30	0	8	8	1	12.5	68	4.7	288	17
20/07/24 05:35	0	6	7	1	12.5	66	4.9	293	17
20/07/24 05:40	0	4	4	1	12.7	64	7.0	287	11
20/07/24 05:45	0	4	4	1	12.7	64	8.9	285	13
20/07/24 05:50	0	5	5	1	12.6	65	10.3	280	13
20/07/24 05:55	0	4	5	1	12.4	66	11.9	272	8
20/07/24 06:00	0	4	4	1	12.3	67	6.9	278	11
20/07/24 06:05	0	4	4	1	12.2	67	7.1	278	12
20/07/24 06:10	0	4	4	1	12.1	68	5.1	283	12
20/07/24 06:15	0	5	5	1	12.0	69	4.4	289	15
20/07/24 06:20	0	6	6	1	12.0	69	6.5	287	11
20/07/24 06:25	0	6	6	1	11.9	70	6.1	286	12
20/07/24 06:30	0	6	6	1	11.7	70	6.8	278	12
20/07/24 06:35	0	7	7	1	11.7	70	6.0	282	12
20/07/24 06:40	0	8	8	1	11.8	71	5.5	284	10
20/07/24 06:45	0	9	9	1	11.7	71	5.7	285	15
20/07/24 06:50	0	8	9	1	11.6	70	5.1	288	15
20/07/24 06:55	0	7	8	1	11.7	69	5.1	289	14
20/07/24 07:00	0	5	6	1	11.7	70	5.2	277	14
20/07/24 07:05	0	5	5	1	11.6	71	8.3	276	12
20/07/24 07:10	0	5	5	1	11.5	72	6.9	278	12
20/07/24 07:15	0	5	5	1	11.5	72	6.0	281	12
20/07/24 07:20	0	6	6	1	11.4	71	5.9	289	14
20/07/24 07:25	0	7	7	1	11.5	70	6.1	289	12
20/07/24 07:30	0	8	8	1	11.5	70	6.2	286	14
20/07/24 07:35	0	8	8	1	11.4	68	8.1	287	13
20/07/24 07:40	0	8	8	1	11.4	68	7.6	288	13
20/07/24 07:45	0	7	7	1	11.4	67	7.2	289	13
20/07/24 07:50	0	6	6	1	11.4	67	7.8	286	14
20/07/24 07:55	0	5	5	1	11.4	66	6.6	283	13
20/07/24 08:00	0	6	6	1	11.4	67	5.8	284	16
20/07/24 08:05	0	8	8	1	11.3	66	6.8	282	12
20/07/24 08:10	1	10	11	2	11.3	66	6.5	283	13
20/07/24 08:15	1	10	10	2	11.3	65	6.1	289	13
20/07/24 08:20	0	9	10	2	11.3	65	6.1	287	13
20/07/24 08:25	0	9	9	2	11.3	65	7.1	286	11
20/07/24 08:30	0	8	9	1	11.4	64	7.7	285	13
20/07/24 08:35	0	9	9	1	11.4	64	6.6	285	14
20/07/24 08:40	1	8	9	1	11.4	64	8.0	287	12
20/07/24 08:45	1	7	8	2	11.5	64	7.9	288	13
20/07/24 08:50	0	7	8	2	11.4	64	7.8	282	13
20/07/24 08:55	0	8	8	2	11.4	63	8.3	286	13
20/07/24 09:00	0	8	8	2	11.5	64	7.7	287	11
20/07/24 09:05	0	8	8	1	11.5	63	6.9	286	13
20/07/24 09:10	1	8	8	1	11.4	63	6.5	285	13
20/07/24 09:15	1	8	9	1	11.5	63	7.9	283	12
20/07/24 09:20	1	8	9	2	11.5	62	7.5	289	13
20/07/24 09:25	1	9	9	2	11.6	62	7.3	286	14
20/07/24 09:30	1	9	10	1	11.5	63	7.4	282	11
20/07/24 09:35	1	9	10	1	11.5	62	7.5	290	13
20/07/24 09:40	1	9	10	1	11.5	61	8.0	289	13
20/07/24 09:45	1	8	8	1	11.6	61	7.7	288	12
20/07/24 09:50	1	7	8	1	11.6	61	7.3	289	11

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/07/24 09:55	1	7	8	1	11.5	63	5.7	289	12
20/07/24 10:00	1	7	8	1	11.5	62	7.6	282	13
20/07/24 10:05	1	7	8	1	11.5	61	6.5	287	13
20/07/24 10:10	1	7	8	1	11.6	61	7.4	287	11
20/07/24 10:15	1	7	8	1	11.6	62	7.1	286	11
20/07/24 10:20	1	7	7	1	11.7	61	7.2	289	12
20/07/24 10:25	1	6	7	2	11.6	61	7.0	285	14
20/07/24 10:30	1	7	7	2	11.7	61	8.1	286	13
20/07/24 10:35	1	7	8	2	11.7	62	6.7	287	17
20/07/24 10:40	1	7	8	2	11.7	62	7.8	286	12
20/07/24 10:45	1	7	8	2	11.6	64	6.3	289	15
20/07/24 10:50	1	7	8	2	11.6	65	6.5	284	15
20/07/24 10:55	1	7	8	1	11.5	67	6.2	284	13
20/07/24 11:00	1	8	8	1	11.5	66	7.8	285	12
20/07/24 11:05	1	7	8	1	11.4	68	6.9	283	10
20/07/24 11:10	1	7	8	1	11.5	67	7.5	286	13
20/07/24 11:15	1	7	8	1	11.5	67	8.1	280	12
20/07/24 11:20	1	7	8	2	11.5	67	5.7	288	15
20/07/24 11:25	1	7	7	2	11.6	66	7.3	287	13
20/07/24 11:30	1	6	7	1	11.5	67	7.6	284	12
20/07/24 11:35	1	7	7	1	11.6	67	7.4	288	12
20/07/24 11:40	1	6	7	1	11.6	67	7.3	281	12
20/07/24 11:45	1	7	8	2	11.6	68	5.8	288	13
20/07/24 11:50	1	7	8	2	11.7	68	6.7	282	11
20/07/24 11:55	1	7	8	2	11.7	68	6.6	284	13
20/07/24 12:00	1	7	8	2	11.8	68	7.9	286	12
20/07/24 12:05	1	7	8	2	11.8	68	7.6	284	12
20/07/24 12:10	2	7	9	2	11.8	69	8.0	287	15
20/07/24 12:15	2	7	8	2	11.9	70	7.6	276	12
20/07/24 12:20	2	7	8	2	11.9	70	7.4	286	13
20/07/24 12:25	2	7	9	2	12.1	71	7.0	282	14
20/07/24 12:30	2	7	9	2	12.1	71	7.4	285	13
20/07/24 12:35	2	7	9	2	12.2	71	8.3	282	13
20/07/24 12:40	2	7	8	2	12.2	72	6.7	278	10
20/07/24 12:45	2	6	8	2	12.3	72	8.2	273	9
20/07/24 12:50	1	5	7	2	12.3	73	7.0	277	12
20/07/24 12:55	1	5	6	1	12.3	73	7.2	277	10
20/07/24 13:00	1	5	6	1	12.5	74	6.9	277	11
20/07/24 13:05	1	5	6	2	12.6	73	7.4	269	11
20/07/24 13:10	1	5	6	2	12.8	73	8.5	265	8
20/07/24 13:15	1	5	6	1	12.8	74	9.6	264	10
20/07/24 13:20	1	5	6	1	12.9	74	11.3	263	6
20/07/24 13:25	1	5	5	1	12.7	77	7.6	275	9
20/07/24 13:30	1	4	5	1	12.5	80	7.8	269	12
20/07/24 13:35	1	4	5	1	12.4	82	8.5	271	7
20/07/24 13:40	1	4	5	1	12.2	83	8.1	265	5
20/07/24 13:45	1	5	5	1	12.1	83	8.4	268	7
20/07/24 13:50	1	4	5	2	12.1	83	8.3	267	6
20/07/24 13:55	1	4	5	2	12.1	84	7.6	266	7
20/07/24 14:00	1	5	5	1	12.0	85	7.8	265	6
20/07/24 14:05	1	5	5	1	12.0	85	6.8	266	7
20/07/24 14:10	1	5	6	1	12.0	85	8.6	267	8
20/07/24 14:15	1	5	6	1	12.0	85	8.1	270	10
20/07/24 14:20	1	5	6	2	11.9	85	8.7	269	9
20/07/24 14:25	1	5	6	1	11.9	85	8.2	269	7
20/07/24 14:30	0	5	6	1	11.9	86	7.4	270	8
20/07/24 14:35	0	5	6	1	11.9	87	6.0	274	10
20/07/24 14:40	0	5	5	1	12.0	85	9.5	268	5
20/07/24 14:45	1	5	5	1	12.2	84	8.7	267	6
20/07/24 14:50	1	5	6	1	12.2	84	7.6	263	7
20/07/24 14:55	1	5	6	1	12.4	83	7.7	260	6
20/07/24 15:00	1	6	7	1	12.4	84	8.6	259	6
20/07/24 15:05	1	6	7	1	12.5	83	8.4	263	7
20/07/24 15:10	1	6	7	2	12.5	83	8.4	257	7
20/07/24 15:15	1	6	7	1	12.5	84	10.2	254	8
20/07/24 15:20	1	6	7	1	12.1	87	9.9	252	8
20/07/24 15:25	1	5	6	1	11.9	88	8.8	256	6
20/07/24 15:30	1	5	6	1	11.9	89	8.6	257	5
20/07/24 15:35	1	5	6	1	11.8	89	8.4	256	7
20/07/24 15:40	1	5	6	1	11.9	86	7.6	254	8
20/07/24 15:45	1	5	6	1	12.0	86	6.6	254	5
20/07/24 15:50	1	5	6	1	12.1	85	6.3	253	8
20/07/24 15:55	1	7	9	1	12.3	83	6.6	249	5
20/07/24 16:00	2	12	14	1	12.4	83	6.6	248	6
20/07/24 16:05	2	12	15	1	12.4	84	7.1	253	7
20/07/24 16:10	2	7	10	1	12.4	85	7.5	257	8
20/07/24 16:15	2	5	7	1	12.3	85	7.2	255	7
20/07/24 16:20	1	7	8	1	12.4	83	7.8	254	8
20/07/24 16:25	1	9	10	1	12.5	82	9.0	250	7
20/07/24 16:30	1	11	12	1	12.5	82	8.1	251	6
20/07/24 16:35	1	5	7	1	12.5	83	7.1	259	6
20/07/24 16:40	1	6	7	1	12.5	84	6.9	257	7
20/07/24 16:45	1	7	7	1	12.4	84	7.9	255	7
20/07/24 16:50	1	6	7	1	12.4	84	6.6	259	6
20/07/24 16:55	1	7	7	1	12.4	83	7.3	258	9
20/07/24 17:00	2	19	21	1	12.5	83	7.4	261	8

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/07/24 17:05	2	8	10	1	12.5	81	8.3	258	8
20/07/24 17:10	1	6	6	1	12.6	80	8.2	255	6
20/07/24 17:15	1	5	6	1	12.6	79	9.1	254	5
20/07/24 17:20	0	5	6	1	12.3	82	9.0	246	8
20/07/24 17:25	1	8	9	1	12.0	83	7.8	244	8
20/07/24 17:30	1	17	18	1	12.1	82	8.0	243	7
20/07/24 17:35	2	17	19	1	12.1	80	7.3	244	7
20/07/24 17:40	2	11	13	1	12.3	80	7.5	251	10
20/07/24 17:45	1	10	11	1	12.2	81	7.0	252	6
20/07/24 17:50	1	5	7	1	12.0	83	7.8	252	7
20/07/24 17:55	1	7	8	1	11.8	85	6.9	246	7
20/07/24 18:00	2	12	13	1	11.5	86	7.3	245	6
20/07/24 18:05	2	11	13	1	11.3	89	7.0	251	8
20/07/24 18:10	2	15	17	2	11.2	90	6.8	250	8
20/07/24 18:15	2	12	15	2	11.1	90	7.1	260	11
20/07/24 18:20	2	4	6	2	11.5	86	7.8	254	9
20/07/24 18:25	1	5	7	1	11.6	85	7.1	258	6
20/07/24 18:30	1	6	7	1	11.6	85	6.6	259	9
20/07/24 18:35	1	8	9	1	11.6	85	7.0	261	6
20/07/24 18:40	1	8	8	1	11.5	85	6.6	264	6
20/07/24 18:45	1	8	9	1	11.6	84	6.9	270	7
20/07/24 18:50	0	8	8	1	11.5	84	7.6	263	7
20/07/24 18:55	0	8	8	1	11.5	83	9.5	256	7
20/07/24 19:00	0	7	7	1	11.6	83	8.8	261	5
20/07/24 19:05	0	7	7	1	11.5	84	8.4	259	6
20/07/24 19:10	0	7	7	1	11.5	84	9.2	262	7
20/07/24 19:15	0	7	7	1	11.4	85	7.8	261	6
20/07/24 19:20	0	7	8	2	11.4	86	7.7	263	5
20/07/24 19:25	0	8	8	2	11.4	86	8.0	259	7
20/07/24 19:30	0	8	8	2	11.4	85	8.0	257	9
20/07/24 19:35	0	7	7	1	11.4	85	7.4	256	7
20/07/24 19:40	0	7	7	1	11.3	86	7.1	261	7
20/07/24 19:45	0	8	8	1	11.3	86	7.2	258	7
20/07/24 19:50	0	7	8	1	11.3	86	7.8	258	7
20/07/24 19:55	0	7	7	2	11.3	86	8.0	257	8
20/07/24 20:00	0	6	7	2	11.2	86	8.5	256	10
20/07/24 20:05	0	6	7	2	11.2	86	8.7	254	11
20/07/24 20:10	0	6	7	2	11.2	85	10.3	254	7
20/07/24 20:15	1	7	8	2	11.3	85	10.0	253	6
20/07/24 20:20	1	3	4	2	11.2	86	9.2	259	7
20/07/24 20:25	1	4	5	1	11.2	86	8.3	258	6
20/07/24 20:30	1	6	6	1	11.1	86	8.3	261	5
20/07/24 20:35	1	7	8	1	11.2	87	8.0	260	6
20/07/24 20:40	1	6	7	1	11.1	86	7.9	257	8
20/07/24 20:45	0	6	6	1	11.1	85	8.1	256	7
20/07/24 20:50	0	5	6	1	11.1	84	9.3	253	8
20/07/24 20:55	0	5	5	1	11.3	83	9.1	258	8
20/07/24 21:00	0	5	5	1	11.3	83	8.6	257	9
20/07/24 21:05	0	4	4	2	11.3	83	7.7	257	7
20/07/24 21:10	0	4	5	2	11.2	83	8.2	260	7
20/07/24 21:15	0	5	5	2	11.3	83	7.6	257	8
20/07/24 21:20	0	5	5	1	11.3	82	7.3	263	7
20/07/24 21:25	0	6	6	2	11.3	82	7.1	263	5
20/07/24 21:30	0	7	7	2	11.3	82	6.4	265	7
20/07/24 21:35	0	7	7	2	11.2	82	6.6	267	6
20/07/24 21:40	0	7	7	1	11.2	81	6.9	264	6
20/07/24 21:45	0	7	7	1	11.2	80	6.5	263	7
20/07/24 21:50	0	7	7	2	11.2	80	6.9	262	7
20/07/24 21:55	0	8	8	2	11.2	79	6.9	261	7
20/07/24 22:00	0	8	8	1	11.3	78	7.2	262	8
20/07/24 22:05	0	8	8	1	11.1	78	6.2	265	7
20/07/24 22:10	0	8	8	1	11.2	77	6.7	263	7
20/07/24 22:15	0	8	8	1	11.1	76	6.2	262	10
20/07/24 22:20	0	8	8	1	11.1	76	6.6	265	7
20/07/24 22:25	0	8	8	1	11.1	76	6.0	268	8
20/07/24 22:30	0	8	8	1	11.0	76	5.8	272	8
20/07/24 22:35	0	7	7	2	10.8	76	5.7	271	6
20/07/24 22:40	0	7	7	1	10.8	76	5.5	267	6
20/07/24 22:45	0	7	7	1	10.8	76	5.3	266	9
20/07/24 22:50	0	7	7	2	10.7	75	5.5	274	9
20/07/24 22:55	0	6	6	2	10.6	75	5.7	269	6
20/07/24 23:00	0	6	6	1	10.6	75	5.5	268	6
20/07/24 23:05	0	6	6	1	10.5	75	4.8	273	10
20/07/24 23:10	0	5	5	2	10.5	74	5.6	273	9
20/07/24 23:15	0	5	5	2	10.5	74	4.8	273	7
20/07/24 23:20	0	5	5	2	10.4	75	4.9	273	8
20/07/24 23:25	0	5	5	2	10.3	75	5.2	274	6
20/07/24 23:30	0	5	5	2	10.4	74	5.1	273	7
20/07/24 23:35	0	5	5	2	10.3	74	4.9	272	8
20/07/24 23:40	0	6	6	1	10.4	74	4.7	271	8
20/07/24 23:45	0	7	7	1	10.3	73	5.2	269	6
20/07/24 23:50	0	8	8		10.4	73	4.9	271	6
20/07/24 23:55	0	9	9		10.3	73	4.1	272	10
21/07/24 00:00	0	9	9	1	10.4	73	4.7	270	9
21/07/24 00:05	0	9	10	1	10.4	73	4.1	273	9
21/07/24 00:10	0	9	9	1	10.4	74	3.7	275	9

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/07/24 00:15	0	8	8	1	10.4	74	3.1	278	9
21/07/24 00:20	0	7	7	1	10.3	74	2.8	280	13
21/07/24 00:25	0	5	5	1	10.2	74	2.5	286	12
21/07/24 00:30	0	5	5	1	10.1	75	2.8	279	11
21/07/24 00:35	0	4	4	1	10.1	75	2.8	285	14
21/07/24 00:40	0	5	5	1	10.0	75	3.0	289	12
21/07/24 00:45	0	8	9	1	9.8	77	2.4	280	12
21/07/24 00:50	0	9	9	1	9.7	77	2.8	278	8
21/07/24 00:55	0	8	8	1	9.6	77	2.4	282	11
21/07/24 01:00	0	8	8	1	9.6	78	2.1	284	10
21/07/24 01:05					9.6	76	2.9	301	11
21/07/24 01:10					9.6	74	2.6	314	11
21/07/24 01:15					9.4	75	2.6	317	11
21/07/24 01:20					9.3	76	2.2	320	14
21/07/24 01:25					9.3	76	2.6	315	12
21/07/24 01:30					9.4	76	2.6	308	10
21/07/24 01:35					9.3	76	2.2	315	14
21/07/24 01:40					9.3	77	2.5	304	13
21/07/24 01:45					9.3	77	2.6	312	9
21/07/24 01:50					9.1	77	3.0	314	10
21/07/24 01:55					9.2	78	2.7	314	10
21/07/24 02:00					9.1	78	3.1	314	11
21/07/24 02:05	0	9	9	1	9.2	78	3.3	310	10
21/07/24 02:10	0	9	9	1	9.2	78	3.1	307	11
21/07/24 02:15	0	8	8	1	9.3	78	2.9	306	12
21/07/24 02:20	0	8	8	1	9.4	78	2.6	308	12
21/07/24 02:25	0	7	7	1	9.4	78	2.7	308	13
21/07/24 02:30	0	7	7	1	9.5	79	2.7	300	12
21/07/24 02:35	0	7	7	1	9.5	79	2.6	299	15
21/07/24 02:40	0	7	7	1	9.7	79	3.3	298	11
21/07/24 02:45	0	8	8	1	9.8	78	3.1	303	11
21/07/24 02:50	0	8	8	1	9.8	79	2.8	306	11
21/07/24 02:55	0	7	8	1	9.9	79	2.9	307	12
21/07/24 03:00	0	7	7	1	9.9	79	2.7	308	12
21/07/24 03:05	0	6	6	1	9.9	79	3.2	313	10
21/07/24 03:10	0	5	6	1	10.0	79	2.9	309	11
21/07/24 03:15	0	5	6	1	10.1	79	2.4	315	12
21/07/24 03:20	0	6	6	1	10.1	80	2.7	313	14
21/07/24 03:25	0	6	6	1	10.1	80	2.5	304	13
21/07/24 03:30	0	5	5	1	10.1	81	1.9	311	13
21/07/24 03:35	0	5	5	1	10.1	81	2.4	311	10
21/07/24 03:40	1	10	11	1	10.1	82	2.0	324	15
21/07/24 03:45	1	19	21	1	10.0	83	1.7	324	24
21/07/24 03:50	1	14	15	1	10.0	83	1.9	317	17
21/07/24 03:55	1	10	10	1	9.9	83	1.5	326	20
21/07/24 04:00	1	8	9	1	9.9	82	1.4	336	23
21/07/24 04:05	0	9	10	1	10.1	83	1.0	343	25
21/07/24 04:10	1	14	14	1	9.9	83	1.3	351	21
21/07/24 04:15	1	20	21	1	9.9	83	1.4	358	19
21/07/24 04:20	1	19	19	1	9.8	84	1.2	333	29
21/07/24 04:25	1	17	18	1	9.8	83	1.9	326	23
21/07/24 04:30	1	16	17	1	9.8	83	1.1	337	32
21/07/24 04:35	1	15	16	1	9.8	83	1.1	328	22
21/07/24 04:40	1	15	15	1	9.8	82	1.5	356	23
21/07/24 04:45	1	15	15	1	9.9	82	1.2	4	22
21/07/24 04:50	1	14	15	1	10.0	81	1.3	360	22
21/07/24 04:55	0	14	14	1	9.9	82	1.5	359	28
21/07/24 05:00	0	13	14	1	9.9	82	0.9	352	32
21/07/24 05:05	0	13	14	1	9.9	82	1.1	5	33
21/07/24 05:10	0	13	13	1	9.8	82	1.3	360	23
21/07/24 05:15	0	12	12	1	9.8	82	1.2	356	20
21/07/24 05:20	0	11	11	1	9.8	82	1.3	5	26
21/07/24 05:25	0	10	10	1	9.8	82	1.5	353	21
21/07/24 05:30	0	8	9	1	9.8	82	1.5	358	23
21/07/24 05:35	0	8	8	1	9.8	82	1.3	1	24
21/07/24 05:40	0	8	8	1	9.8	82	1.4	355	20
21/07/24 05:45	0	8	9	1	9.9	81	1.6	2	18
21/07/24 05:50	0	9	9	1	9.9	81	1.2	10	25
21/07/24 05:55	0	9	9	1	9.7	82	1.6	1	24
21/07/24 06:00	0	9	9	1	9.8	82	1.2	330	29
21/07/24 06:05	0	9	9	1	9.9	82	1.6	348	34
21/07/24 06:10	0	9	10	1	9.8	82	1.6	339	29
21/07/24 06:15	0	10	10	1	9.8	81	2.0	356	18
21/07/24 06:20	0	11	11	1	9.8	81	1.7	346	23
21/07/24 06:25	0	11	11	1	9.8	81	1.3	330	26
21/07/24 06:30	0	12	12	1	9.8	81	1.6	343	25
21/07/24 06:35	0	12	13	1	9.9	82	1.2	331	26
21/07/24 06:40	0	12	13	1	9.8	82	1.3	345	30
21/07/24 06:45	0	12	12	1	9.8	82	1.4	343	30
21/07/24 06:50	0	12	12	1	9.7	82	1.5	355	28
21/07/24 06:55	0	11	11	1	9.7	82	1.6	354	22
21/07/24 07:00	0	11	11	1	9.6	82	1.7	340	29
21/07/24 07:05	0	11	11	1	9.7	82	1.9	3	20
21/07/24 07:10	0	11	11	1	9.6	82	1.7	354	26
21/07/24 07:15	0	11	11	1	9.5	82	2.1	356	24
21/07/24 07:20	0	11	11	1	9.5	82	1.6	4	26

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/07/24 07:25	0	11	11	1	9.3	82	2.0	0	16
21/07/24 07:30	0	11	11	1	9.3	82	2.0	355	24
21/07/24 07:35	0	10	11	1	9.3	82	1.8	353	21
21/07/24 07:40	0	10	11	1	9.3	82	1.9	7	22
21/07/24 07:45	1	11	11	1	9.4	83	2.2	5	21
21/07/24 07:50	1	11	11	1	9.3	82	2.1	1	19
21/07/24 07:55	1	10	11	1	9.4	81	2.0	353	27
21/07/24 08:00	1	10	11	1	9.4	81	2.5	359	23
21/07/24 08:05	1	10	11	1	9.5	81	2.0	360	27
21/07/24 08:10	1	10	11	1	9.5	80	1.9	339	29
21/07/24 08:15	1	10	11	1	9.5	80	1.6	341	24
21/07/24 08:20	1	10	11	1	9.6	80	1.8	318	26
21/07/24 08:25	1	11	12	1	9.7	80	2.1	360	31
21/07/24 08:30	1	11	13	1	9.7	80	2.3	1	23
21/07/24 08:35	2	11	13	1	9.7	80	2.4	355	24
21/07/24 08:40	2	12	13	1	9.9	79	2.5	358	20
21/07/24 08:45	2	12	14	1	10.1	78	2.4	352	22
21/07/24 08:50	2	12	15	1	10.2	77	1.9	354	29
21/07/24 08:55	3	12	15	1	10.4	77	2.0	337	29
21/07/24 09:00	3	12	15	1	10.5	76	2.4	355	26
21/07/24 09:05	3	12	15	1	10.7	76	2.6	357	23
21/07/24 09:10	3	12	15	1	10.7	75	2.1	357	26
21/07/24 09:15	3	12	15	1	10.8	75	2.6	360	24
21/07/24 09:20	3	12	16	1	10.9	76	2.3	4	24
21/07/24 09:25	3	12	15	1	10.9	75	1.9	4	30
21/07/24 09:30	3	12	15	1	11.2	75	1.7	1	24
21/07/24 09:35	3	11	15	1	11.5	73	2.0	358	28
21/07/24 09:40	3	11	15	1	11.5	73	2.5	6	16
21/07/24 09:45	3	11	14	1	11.6	73	2.1	8	25
21/07/24 09:50	3	11	14	1	11.6	74	2.1	8	21
21/07/24 09:55	3	11	14	1	11.8	73	1.7	356	27
21/07/24 10:00	3	11	14	1	11.9	73	2.3	5	21
21/07/24 10:05	3	11	15	1	12.1	73	2.0	4	26
21/07/24 10:10	4	11	15	1	12.6	71	2.6	2	22
21/07/24 10:15	4	11	15	1	12.9	70	1.9	347	30
21/07/24 10:20	5	11	16	1	13.1	69	2.1	331	32
21/07/24 10:25	5	11	16	1	13.1	70	2.1	332	23
21/07/24 10:30	5	11	16	1	13.3	69	1.5	334	32
21/07/24 10:35	6	11	17	1	13.8	68	1.8	9	26
21/07/24 10:40	6	10	16	1	14.2	66	2.6	28	17
21/07/24 10:45	5	8	13	1	14.4	65	1.8	341	31
21/07/24 10:50	5	8	14	1	14.3	66	2.6	312	19
21/07/24 10:55	6	9	15	1	14.5	66	1.9	334	29
21/07/24 11:00	6	10	16	1	14.9	64	2.1	323	24
21/07/24 11:05	6	10	16	1	14.9	64	2.4	327	26
21/07/24 11:10	5	9	14	1	15.1	64	2.2	330	27
21/07/24 11:15	4	7	11	1	15.3	63	1.9	341	32
21/07/24 11:20	4	6	10	1	15.4	63	1.7	332	38
21/07/24 11:25	4	6	10	1	15.7	62	2.2	342	31
21/07/24 11:30	3	6	10	1	15.8	62	1.9	304	34
21/07/24 11:35	3	6	9	1	15.7	62	2.8	282	16
21/07/24 11:40	3	5	7	1	15.5	62	4.0	279	15
21/07/24 11:45	2	3	5	1	15.3	64	3.7	278	13
21/07/24 11:50	2	2	4	1	15.2	64	3.8	274	12
21/07/24 11:55	2	3	4	1	15.3	64	4.2	283	14
21/07/24 12:00	1	3	4	1	15.3	64	4.6	282	14
21/07/24 12:05	1	4	5	1	15.6	63	4.4	281	14
21/07/24 12:10	1	4	5	1	15.5	63	4.8	282	12
21/07/24 12:15	1	4	5	1	15.3	63	5.6	279	13
21/07/24 12:20	1	3	4	1	15.3	63	5.8	278	11
21/07/24 12:25	1	3	4	1	15.3	63	4.4	279	15
21/07/24 12:30	1	3	4	1	15.3	64	7.1	268	8
21/07/24 12:35	1	3	4	1	15.2	64	5.6	278	14
21/07/24 12:40	1	3	3	1	15.4	62	5.5	280	11
21/07/24 12:45	1	3	4	1	15.4	62	5.1	286	15
21/07/24 12:50	1	4	5	1	15.4	62	4.3	286	12
21/07/24 12:55	1	4	5	1	15.7	60	4.0	310	17
21/07/24 13:00	1	4	5	1	15.8	59	4.4	311	14
21/07/24 13:05	1	4	5	1	15.8	59	3.2	303	14
21/07/24 13:10	1	4	5	1	16.1	58	2.3	297	21
21/07/24 13:15	1	3	4	1	16.4	56	3.2	298	20
21/07/24 13:20	1	3	4	1	16.4	56	2.8	300	20
21/07/24 13:25	1	3	4	1	16.5	54	3.9	307	11
21/07/24 13:30	1	3	4	1	16.4	55	3.5	294	19
21/07/24 13:35	1	3	3	1	16.4	56	3.4	283	17
21/07/24 13:40	1	3	3	1	16.3	56	3.8	285	15
21/07/24 13:45	1	3	3	1	16.1	57	4.2	287	14
21/07/24 13:50	1	3	3	1	16.1	57	4.0	283	13
21/07/24 13:55	1	3	3	1	16.4	57	2.9	291	18
21/07/24 14:00	1	3	4	1	16.6	57	3.7	310	16
21/07/24 14:05	1	3	4	1	16.4	59	2.9	340	29
21/07/24 14:10	1	4	5	0	16.3	59	2.8	331	35
21/07/24 14:15	1	4	5	0	15.9	60	2.4	326	28
21/07/24 14:20	1	5	6	1	15.8	60	1.9	329	37
21/07/24 14:25	1	5	6	1	15.7	60	2.8	327	24
21/07/24 14:30	1	5	6	1	15.6	61	3.1	327	24

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/07/24 14:35	1	5	6	1	15.3	61	3.3	315	22
21/07/24 14:40	1	6	7	0	15.2	62	3.1	313	20
21/07/24 14:45	1	6	7	0	15.2	62	2.9	333	28
21/07/24 14:50	1	6	7	1	15.2	62	2.1	338	34
21/07/24 14:55	1	6	7	1	15.2	62	2.0	343	39
21/07/24 15:00	1	6	7	1	15.1	62	2.4	337	33
21/07/24 15:05	1	5	6	1	14.9	63	2.0	329	31
21/07/24 15:10	1	5	6	1	14.9	63	2.7	1	28
21/07/24 15:15	1	5	6	1	14.9	63	1.8	329	33
21/07/24 15:20	1	5	6	1	14.9	63	2.1	328	28
21/07/24 15:25	1	5	6	1	14.9	63	2.2	333	27
21/07/24 15:30	1	5	6	1	14.9	63	2.5	325	22
21/07/24 15:35	1	5	6	1	15.0	63	2.3	334	29
21/07/24 15:40	1	5	6	1	14.9	64	3.0	343	34
21/07/24 15:45	1	5	6	0	14.9	64	2.8	347	27
21/07/24 15:50	1	5	6	1	14.8	65	3.0	339	26
21/07/24 15:55	1	5	6	1	14.7	66	2.0	336	32
21/07/24 16:00	1	6	6	1	14.6	66	2.2	352	34
21/07/24 16:05	1	6	7	1	14.5	67	3.0	355	27
21/07/24 16:10	1	6	7	1	14.4	68	3.0	15	22
21/07/24 16:15	1	6	7	1	14.2	69	3.1	10	25
21/07/24 16:20	1	6	7	1	14.0	69	3.4	13	23
21/07/24 16:25	1	6	7	1	14.0	70	3.1	13	22
21/07/24 16:30	1	6	7	1	13.9	70	3.9	10	19
21/07/24 16:35	1	6	7	1	13.9	70	2.9	10	26
21/07/24 16:40	1	6	8	1	13.9	70	3.2	12	20
21/07/24 16:45	1	7	8	1	13.9	71	3.5	8	16
21/07/24 16:50	1	7	8	1	14.0	71	3.6	11	19
21/07/24 16:55	1	7	9	1	13.9	72	2.6	8	29
21/07/24 17:00	1	7	8	1	13.9	73	2.8	10	28
21/07/24 17:05	1	8	9	1	13.8	73	3.1	8	19
21/07/24 17:10	1	8	9	1	13.8	72	3.5	2	17
21/07/24 17:15	1	8	8	1	13.7	72	3.0	10	16
21/07/24 17:20	1	8	9	1	13.8	73	2.8	358	26
21/07/24 17:25	1	8	9	1	13.8	73	3.7	18	17
21/07/24 17:30	1	8	9	1	13.7	74	2.4	3	29
21/07/24 17:35	1	9	10	1	13.6	74	2.5	3	29
21/07/24 17:40	1	9	10	0	13.7	75	2.2	351	29
21/07/24 17:45	1	10	11	0	13.5	77	2.3	2	27
21/07/24 17:50	1	11	12	0	13.5	77	3.1	1	27
21/07/24 17:55	1	11	13	0	13.4	76	3.2	358	28
21/07/24 18:00	1	11	12	0	13.5	76	2.7	356	26
21/07/24 18:05	1	12	13	0	13.5	76	3.0	1	26
21/07/24 18:10	1	12	13	1	13.5	76	2.1	351	33
21/07/24 18:15	1	12	13	1	13.5	76	2.4	350	30
21/07/24 18:20	1	12	13	0	13.5	76	2.7	3	26
21/07/24 18:25	1	12	12	0	13.4	77	2.7	5	28
21/07/24 18:30	1	11	12	0	13.4	77	3.2	6	22
21/07/24 18:35	1	10	11	0	13.3	77	3.7	7	23
21/07/24 18:40	0	9	10	0	13.3	78	3.4	6	19
21/07/24 18:45	0	9	9	1	13.2	78	3.4	11	23
21/07/24 18:50	1	9	9	1	13.1	79	3.2	20	20
21/07/24 18:55	2	9	10	1	13.0	79	2.7	17	18
21/07/24 19:00	2	9	11	1	12.9	79	2.7	16	19
21/07/24 19:05	1	9	10	1	12.9	79	3.1	24	18
21/07/24 19:10	2	10	12	0	12.9	79	3.6	24	17
21/07/24 19:15	1	8	10	0	12.8	79	3.0	20	21
21/07/24 19:20	2	8	10	1	12.9	79	2.5	20	27
21/07/24 19:25	1	8	9	1	12.9	79	3.4	16	22
21/07/24 19:30	1	8	8	1	13.0	79	3.2	17	19
21/07/24 19:35	1	8	8	1	13.0	79	3.0	12	24
21/07/24 19:40	1	8	8	1	13.1	79	2.9	16	21
21/07/24 19:45	1	8	8	1	13.1	79	2.1	12	26
21/07/24 19:50	1	8	8	1	13.2	79	3.0	18	20
21/07/24 19:55	1	8	9	1	13.2	79	2.6	20	20
21/07/24 20:00	1	8	9	1	13.3	79	2.6	15	27
21/07/24 20:05	1	9	10	0	13.3	79	2.6	24	19
21/07/24 20:10	2	10	11	0	13.2	79	2.6	20	21
21/07/24 20:15	1	10	11	0	13.2	79	2.5	23	20
21/07/24 20:20	1	10	11	1	13.3	79	2.8	25	16
21/07/24 20:25	2	10	12	1	13.3	78	2.9	23	24
21/07/24 20:30	1	10	11	1	13.4	78	2.7	23	19
21/07/24 20:35	0	10	10	1	13.4	78	2.0	19	28
21/07/24 20:40	0	10	10	1	13.4	78	2.7	14	18
21/07/24 20:45	1	9	10	1	13.4	78	2.3	18	23
21/07/24 20:50	1	9	10	1	13.5	78	2.4	3	22
21/07/24 20:55	1	9	10	1	13.6	78	2.2	4	23
21/07/24 21:00	1	10	11	1	13.5	78	2.1	6	21
21/07/24 21:05	1	11	12	0	13.6	78	2.4	360	25
21/07/24 21:10	1	12	13	0	13.6	78	1.9	360	27
21/07/24 21:15	1	12	13	1	13.7	77	2.4	2	31
21/07/24 21:20	1	12	13	0	13.7	77	2.1	359	28
21/07/24 21:25	1	11	12	1	13.8	77	1.6	352	30
21/07/24 21:30	1	10	11	0	13.8	77	1.8	354	40
21/07/24 21:35	1	9	10	0	13.8	77	1.7	336	36
21/07/24 21:40	0	8	9	1	13.8	77	2.2	337	30

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/07/24 21:45	0	7	8	1	13.7	77	1.9	359	30
21/07/24 21:50	0	7	7	1	13.8	77	2.1	340	29
21/07/24 21:55	1	7	7	0	13.8	77	1.5	339	33
21/07/24 22:00	0	7	7	0	13.7	77	2.1	339	35
21/07/24 22:05	1	6	7	0	13.7	77	2.4	332	32
21/07/24 22:10	1	6	7	1	13.8	77	2.2	326	32
21/07/24 22:15	0	6	7	0	13.8	76	2.4	321	27
21/07/24 22:20	1	6	7	0	13.9	76	1.9	335	34
21/07/24 22:25	0	7	7	1	13.9	77	2.5	333	27
21/07/24 22:30	0	5	5	1	13.9	76	2.7	329	25
21/07/24 22:35	0	5	5	0	14.0	76	2.6	337	31
21/07/24 22:40	0	4	4	0	14.0	75	2.6	339	30
21/07/24 22:45	0	4	4	0	14.0	75	1.9	347	39
21/07/24 22:50	0	4	4	0	14.0	76	1.9	344	40
21/07/24 22:55	0	5	5	1	14.0	76	1.6	354	34
21/07/24 23:00	0	5	5	1	13.9	77	1.8	350	29
21/07/24 23:05	0	6	6	1	13.8	77	1.8	351	38
21/07/24 23:10	1	6	6	1	13.9	77	2.2	338	30
21/07/24 23:15	1	6	6	1	13.8	77	1.7	345	42
21/07/24 23:20	1	6	6	1	13.8	77	3.0	348	32
21/07/24 23:25	1	5	6	1	13.7	77	2.9	6	26
21/07/24 23:30	1	6	7	1	13.7	78	2.0	359	28
21/07/24 23:35	1	6	7	1	13.6	78	2.5	352	27
21/07/24 23:40	1	7	7	1	13.5	79	2.3	360	22
21/07/24 23:45	1	7	7	1	13.5	79	2.5	2	23
21/07/24 23:50	1	7	8		13.5	79	1.8	2	31
21/07/24 23:55	2	8	9		13.5	79	2.0	2	26
22/07/24 00:00	2	8	10	1	13.5	79	2.1	10	22
22/07/24 00:05	2	7	9	1	13.4	79	1.9	358	28
22/07/24 00:10	1	7	8	1	13.4	80	2.2	360	26
22/07/24 00:15	1	6	8	1	13.4	80	2.8	8	21
22/07/24 00:20	1	6	7	1	13.4	80	2.3	356	21
22/07/24 00:25	1	6	7	1	13.3	81	2.4	4	20
22/07/24 00:30	1	6	7	1	13.3	81	2.3	6	22
22/07/24 00:35	1	6	7	1	13.3	81	1.6	3	26
22/07/24 00:40	0	7	7	1	13.2	81	2.5	4	23
22/07/24 00:45	0	7	7	1	13.3	81	2.5	4	22
22/07/24 00:50	0	6	7	1	13.2	81	2.0	355	24
22/07/24 00:55	0	6	7	1	13.3	81	2.3	3	23
22/07/24 01:00	0	7	7	1	13.3	80	1.9	356	24
22/07/24 01:05					13.3	80	1.6	358	31
22/07/24 01:10					13.2	80	1.1	348	41
22/07/24 01:15					13.3	80	1.4	328	33
22/07/24 01:20					13.4	79	1.6	341	36
22/07/24 01:25					13.5	78	1.5	351	32
22/07/24 01:30					13.5	77	1.7	353	31
22/07/24 01:35					13.6	77	1.2	336	35
22/07/24 01:40					13.7	76	1.8	3	27
22/07/24 01:45					13.8	76	1.9	348	26
22/07/24 01:50					13.8	76	1.7	355	35
22/07/24 01:55					13.8	76	1.5	357	28
22/07/24 02:00					13.8	76	1.8	351	33
22/07/24 02:05	0	8	8	1	13.8	76	1.6	357	32
22/07/24 02:10	0	8	8	1	13.8	76	1.5	1	33
22/07/24 02:15	0	8	8	1	13.7	76	1.8	4	27
22/07/24 02:20	0	9	9	1	13.8	76	2.0	360	23
22/07/24 02:25	0	9	10	1	13.7	76	2.5	5	21
22/07/24 02:30	0	10	10	1	13.9	76	2.2	357	25
22/07/24 02:35	0	9	10	1	14.0	76	1.2	346	40
22/07/24 02:40	0	9	9	1	13.8	77	1.6	356	33
22/07/24 02:45	0	9	9	1	13.8	78	1.8	1	28
22/07/24 02:50	0	9	9	1	13.6	78	1.8	8	23
22/07/24 02:55	0	9	9	1	13.6	79	1.8	2	25
22/07/24 03:00	0	9	9	1	13.7	78	1.7	0	24
22/07/24 03:05	0	9	10	1	13.8	77	2.1	359	21
22/07/24 03:10	0	10	10	1	13.8	78	1.9	1	32
22/07/24 03:15	0	10	10	1	13.8	78	2.4	357	23
22/07/24 03:20	0	10	10	1	13.6	79	1.9	6	27
22/07/24 03:25	0	9	9	1	13.5	80	1.6	3	31
22/07/24 03:30	0	8	8	1	13.4	81	2.4	6	19
22/07/24 03:35	0	6	7	1	13.3	81	2.2	8	19
22/07/24 03:40	0	5	5	1	13.2	82	2.0	13	29
22/07/24 03:45	0	4	5	1	13.2	83	1.7	16	30
22/07/24 03:50	0	4	4	1	13.1	83	1.8	16	27
22/07/24 03:55	0	4	4	1	13.1	84	2.0	11	31
22/07/24 04:00	0	4	4	1	13.0	84	2.3	7	22
22/07/24 04:05	0	4	4	1	13.0	83	2.9	3	19
22/07/24 04:10	0	4	4	1	13.1	83	2.3	355	23
22/07/24 04:15	0	4	4	1	13.0	83	2.6	358	23
22/07/24 04:20	0	4	4	1	13.1	83	2.2	355	29
22/07/24 04:25	0	5	5	1	13.1	83	2.5	357	20
22/07/24 04:30	0	6	6	1	13.1	83	1.4	344	43
22/07/24 04:35	0	7	8	1	13.1	82	2.1	351	32
22/07/24 04:40	0	10	10	1	13.1	82	2.2	356	25
22/07/24 04:45	1	14	14	1	13.1	82	2.0	339	30
22/07/24 04:50	1	14	15	1	13.0	82	1.8	341	31

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/07/24 04:55	1	15	16	1	13.0	82	1.4	342	35
22/07/24 05:00	1	14	15	1	13.0	82	1.7	335	35
22/07/24 05:05	1	13	14	1	13.0	82	1.7	332	33
22/07/24 05:10	1	10	11	1	13.0	82	1.7	337	33
22/07/24 05:15	1	9	10	1	13.1	81	1.7	324	32
22/07/24 05:20	1	10	11	1	13.2	81	1.9	325	24
22/07/24 05:25	1	11	11	1	13.2	81	1.4	344	34
22/07/24 05:30	1	11	12	1	13.1	81	1.5	357	33
22/07/24 05:35	1	12	13	1	13.1	82	1.8	14	30
22/07/24 05:40	2	17	18	1	13.0	82	1.9	24	23
22/07/24 05:45	2	22	24	1	12.8	83	1.5	31	28
22/07/24 05:50	2	16	18	1	12.9	82	1.6	27	24
22/07/24 05:55	2	9	10	1	13.0	81	2.4	19	18
22/07/24 06:00	1	8	10	1	13.2	80	2.9	27	17
22/07/24 06:05	1	9	10	1	13.2	80	1.9	18	27
22/07/24 06:10	1	9	10	1	13.2	80	1.7	18	25
22/07/24 06:15	1	9	10	1	13.2	80	2.4	6	21
22/07/24 06:20	1	10	10	1	13.2	80	2.4	6	24
22/07/24 06:25	1	10	11	1	13.1	80	2.3	7	22
22/07/24 06:30	1	10	10	1	13.1	80	2.9	360	24
22/07/24 06:35	1	10	10	1	13.1	80	2.9	3	21
22/07/24 06:40	1	10	11	0	13.0	80	2.3	347	32
22/07/24 06:45	1	12	13	1	12.9	81	2.2	354	33
22/07/24 06:50	3	22	25	1	12.8	82	2.4	359	25
22/07/24 06:55	9	27	36	1	12.7	82	2.4	1	27
22/07/24 07:00	18	23	41	1	12.7	83	2.1	3	24
22/07/24 07:05	21	25	46	1	12.6	83	2.0	3	31
22/07/24 07:10	21	25	47	1	12.6	83	2.7	0	24
22/07/24 07:15	19	25	45	1	12.7	82	2.3	10	25
22/07/24 07:20	15	26	41	1	12.7	82	3.1	12	19
22/07/24 07:25	13	24	36	1	12.7	82	2.0	7	27
22/07/24 07:30	10	22	32	1	12.6	82	2.5	16	23
22/07/24 07:35	4	18	22	1	12.6	82	2.7	12	17
22/07/24 07:40	3	17	21	1	12.8	82	2.5	17	22
22/07/24 07:45	4	19	24	1	12.7	82	2.1	11	23
22/07/24 07:50	6	24	29	1	12.7	82	2.0	15	28
22/07/24 07:55	6	22	28	1	12.7	81	2.4	2	24
22/07/24 08:00	6	21	27	0	12.8	81	2.3	1	23
22/07/24 08:05	7	23	30	0	12.9	81	1.9	359	28
22/07/24 08:10	12	28	40	1	12.9	81	2.1	355	26
22/07/24 08:15	23	24	47	1	12.9	81	2.4	3	20
22/07/24 08:20	26	23	49	1	13.0	81	2.4	356	20
22/07/24 08:25	27	23	50	1	12.9	81	2.5	3	24
22/07/24 08:30	26	23	49	1	13.0	80	2.5	3	22
22/07/24 08:35	26	23	49	1	13.0	80	2.3	4	23
22/07/24 08:40	24	23	47	1	13.1	80	2.7	5	22
22/07/24 08:45	19	22	41	1	13.2	80	2.6	7	21
22/07/24 08:50	11	16	28	1	13.3	80	2.4	9	26
22/07/24 08:55	9	17	25	1	13.4	79	3.3	8	21
22/07/24 09:00	8	16	24	1	13.4	79	4.2	9	17
22/07/24 09:05	7	14	22	1	13.4	79	3.7	6	25
22/07/24 09:10	7	13	20	1	13.5	78	3.6	4	21
22/07/24 09:15	7	13	19	1	13.5	78	2.6	15	19
22/07/24 09:20	7	13	20	1	13.5	79	2.0	12	25
22/07/24 09:25	7	13	20	1	13.5	78	2.1	16	31
22/07/24 09:30	8	13	21	1	13.7	77	3.0	15	20
22/07/24 09:35	8	13	20	1	14.2	75	3.3	14	25
22/07/24 09:40	8	12	20	1	14.6	74	2.5	19	22
22/07/24 09:45	9	14	23	1	14.8	73	2.9	19	22
22/07/24 09:50	11	14	25	1	14.9	72	2.8	9	25
22/07/24 09:55	10	12	23	1	15.0	71	3.8	4	18
22/07/24 10:00	10	11	21	1	15.1	71	3.2	5	25
22/07/24 10:05	9	12	22	1	15.3	70	2.9	0	25
22/07/24 10:10	9	13	22	1	15.5	70	2.7	9	27
22/07/24 10:15	9	13	22	1	15.8	68	2.8	357	25
22/07/24 10:20	9	12	21	1	15.8	67	3.3	350	27
22/07/24 10:25	9	12	20	1	15.9	67	2.3	351	30
22/07/24 10:30	8	11	19	1	16.1	67	2.3	348	38
22/07/24 10:35	7	10	18	1	16.3	66	2.4	354	28
22/07/24 10:40	7	10	17	1	16.3	66	3.0	351	22
22/07/24 10:45	6	9	15	1	16.2	65	4.0	2	22
22/07/24 10:50	6	9	15	1	16.3	65	3.2	345	25
22/07/24 10:55	6	9	14	1	16.3	66	2.2	338	36
22/07/24 11:00	6	9	14	1	16.5	65	1.8	335	39
22/07/24 11:05	5	8	14	1	16.7	65	1.8	316	35
22/07/24 11:10	5	8	13	1	16.7	62	3.2	321	26
22/07/24 11:15	5	8	12	1	16.8	61	4.8	306	16
22/07/24 11:20	4	8	12	1	16.8	60	3.7	313	20
22/07/24 11:25	4	8	12	1	17.0	60	4.3	305	16
22/07/24 11:30	5	8	13	1	17.1	60	3.5	314	24
22/07/24 11:35	5	8	13	1	17.0	61	2.7	324	26
22/07/24 11:40	4	9	13	1	16.9	62	2.8	311	28
22/07/24 11:45	4	9	13	1	16.8	62	3.9	313	18
22/07/24 11:50	4	9	14	1	16.8	62	2.8	327	25
22/07/24 11:55	4	9	14	1	17.0	62	2.7	324	24
22/07/24 12:00	4	9	13	1	17.0	61	3.6	334	27

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/07/24 12:05	4	8	12	1	17.0	61	3.0	330	29
22/07/24 12:10	3	8	11	1	17.0	61	2.5	338	37
22/07/24 12:15	3	8	11	1	17.2	61	2.9	344	36
22/07/24 12:20	4	8	11	1	17.4	60	2.6	345	35
22/07/24 12:25	4	8	12	1	17.4	60	3.4	329	23
22/07/24 12:30	3	8	11	1	17.3	60	3.7	319	23
22/07/24 12:35	3	8	11	1	17.2	60	3.4	332	29
22/07/24 12:40	3	8	11	1	17.1	60	3.3	320	27
22/07/24 12:45	3	7	10	1	17.2	60	3.4	333	30
22/07/24 12:50	3	7	10	1	17.2	59	3.3	333	27
22/07/24 12:55	3	7	9	1	17.5	59	3.4	342	26
22/07/24 13:00	2	6	9	1	17.6	58	3.2	328	28
22/07/24 13:05	2	6	9	1	17.5	58	2.8	329	31
22/07/24 13:10	2	6	9	1	17.5	58	3.0	323	29
22/07/24 13:15	2	7	9	1	17.4	59	3.4	312	25
22/07/24 13:20	2	7	9	1	17.3	59	3.1	324	26
22/07/24 13:25	2	8	10	1	17.3	59	3.2	329	28
22/07/24 13:30	2	8	10	1	17.4	59	3.1	333	28
22/07/24 13:35	2	8	10	1	17.3	59	2.7	333	36
22/07/24 13:40	2	8	9	1	17.4	59	2.9	346	28
22/07/24 13:45	2	8	10	1	17.4	60	2.9	327	23
22/07/24 13:50	2	8	10	1	17.5	60	3.3	310	17
22/07/24 13:55	2	10	13	1	17.4	60	3.1	294	13
22/07/24 14:00	3	12	14	1	17.5	59	4.5	302	15
22/07/24 14:05	2	8	10	1	17.5	58	3.8	298	14
22/07/24 14:10	2	5	7	1	17.5	59	3.4	297	16
22/07/24 14:15	2	6	8	1	17.5	58	3.7	306	18
22/07/24 14:20	2	9	11	1	17.5	59	3.6	325	23
22/07/24 14:25	3	11	14	1	17.5	59	3.3	316	27
22/07/24 14:30	3	12	15	1	17.5	60	3.2	307	23
22/07/24 14:35	3	11	14	1	17.5	59	4.9	308	14
22/07/24 14:40	3	9	11	1	17.6	59	3.7	309	18
22/07/24 14:45	3	9	11	1	17.7	59	3.6	311	17
22/07/24 14:50	2	9	11	1	17.6	59	2.7	303	15
22/07/24 14:55	2	9	11	1	17.6	59	4.2	305	17
22/07/24 15:00	2	9	11	1	17.7	59	5.1	300	15
22/07/24 15:05	2	8	10	1	17.6	59	5.0	308	13
22/07/24 15:10	2	8	10	1	17.8	59	3.8	308	18
22/07/24 15:15	2	8	10	1	17.8	59	4.2	306	18
22/07/24 15:20	2	8	10	1	17.7	60	3.3	326	24
22/07/24 15:25	3	9	12	1	17.8	60	3.5	317	24
22/07/24 15:30	3	10	13	1	17.9	59	3.1	307	20
22/07/24 15:35	3	10	14	1	17.9	60	3.3	312	22
22/07/24 15:40	3	10	14	1	17.8	60	5.0	307	17
22/07/24 15:45	3	10	13	1	17.5	61	3.1	301	15
22/07/24 15:50	3	9	12	1	17.5	61	4.9	305	15
22/07/24 15:55	2	9	11	1	17.3	61	4.4	307	16
22/07/24 16:00	2	9	10	1	17.3	61	3.1	306	15
22/07/24 16:05	2	10	11	1	17.3	61	3.2	311	26
22/07/24 16:10	2	10	12	1	17.3	62	2.7	303	20
22/07/24 16:15	2	11	13	1	17.3	62	2.1	315	24
22/07/24 16:20	2	12	14	1	17.3	62	2.5	323	25
22/07/24 16:25	2	13	15	1	17.3	62	2.6	331	23
22/07/24 16:30	2	13	15	1	17.3	62	2.4	345	27
22/07/24 16:35	2	13	15	1	17.2	63	2.7	348	31
22/07/24 16:40	1	12	13	1	17.1	64	3.1	328	27
22/07/24 16:45	1	11	12	1	16.9	64	2.9	322	26
22/07/24 16:50	1	12	13	1	16.9	64	2.6	329	29
22/07/24 16:55	1	12	13	1	16.9	65	2.1	340	29
22/07/24 17:00	1	12	13	1	16.9	66	2.1	359	33
22/07/24 17:05	2	19	20	1	16.8	66	2.8	2	23
22/07/24 17:10	3	16	19	1	16.7	67	2.2	7	21
22/07/24 17:15	2	16	18	1	16.6	67	2.2	2	25
22/07/24 17:20	2	16	18	1	16.7	67	2.1	346	35
22/07/24 17:25	2	15	17	1	16.7	67	2.1	354	30
22/07/24 17:30	2	15	17	1	16.5	67	2.8	358	29
22/07/24 17:35	2	15	17	1	16.5	68	1.9	356	41
22/07/24 17:40	2	15	17	1	16.4	69	2.4	339	33
22/07/24 17:45	2	14	16	1	16.3	69	2.6	344	30
22/07/24 17:50	1	11	13	1	16.3	70	1.3	337	48
22/07/24 17:55	1	9	10	1	16.1	72	1.7	338	43
22/07/24 18:00	1	9	10	1	15.9	73	2.1	352	30
22/07/24 18:05	1	11	12	1	15.9	73	1.7	359	34
22/07/24 18:10	1	11	12	1	15.8	73	1.1	331	57
22/07/24 18:15	1	12	13	1	15.7	73	2.1	329	31
22/07/24 18:20	1	12	12	1	15.7	73	1.9	342	31
22/07/24 18:25	1	11	12	1	15.8	72	2.6	333	24
22/07/24 18:30	1	11	12	1	15.8	72	2.5	320	24
22/07/24 18:35	1	12	12	1	15.7	72	2.6	322	24
22/07/24 18:40	1	12	13	1	15.7	73	2.8	327	23
22/07/24 18:45	1	12	13	1	15.7	72	2.4	324	28
22/07/24 18:50	1	12	13	1	15.6	72	2.6	331	21
22/07/24 18:55	1	12	13	1	15.7	72	2.3	321	24
22/07/24 19:00	1	12	12	1	15.7	72	3.0	329	22
22/07/24 19:05	1	11	12	1	15.7	72	1.8	330	31
22/07/24 19:10	1	11	12	1	15.7	73	2.1	327	35

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/07/24 19:15	1	11	12	1	15.7	73	2.3	334	29
22/07/24 19:20	1	11	11	1	15.7	72	1.9	335	37
22/07/24 19:25	1	10	11	1	15.7	72	2.9	342	28
22/07/24 19:30	1	10	10	1	15.7	72	2.5	358	25
22/07/24 19:35	1	10	10	1	15.8	72	2.9	358	22
22/07/24 19:40	0	10	10	1	15.7	72	2.4	2	27
22/07/24 19:45	0	10	10	1	15.7	72	2.3	354	26
22/07/24 19:50	0	10	11	1	15.7	72	2.3	10	25
22/07/24 19:55	1	11	11	1	15.6	73	1.8	0	35
22/07/24 20:00	1	11	12	1	15.6	73	2.6	1	29
22/07/24 20:05	1	11	12	1	15.5	73	2.2	357	26
22/07/24 20:10	1	12	12	1	15.5	73	1.5	350	32
22/07/24 20:15	1	12	13	1	15.3	74	1.1	346	31
22/07/24 20:20	1	12	13	1	15.2	74	1.0	331	37
22/07/24 20:25	1	13	14	1	15.1	75	1.0	353	40
22/07/24 20:30	1	14	15	1	15.0	75	2.0	4	19
22/07/24 20:35	1	14	15	1	15.0	76	1.4	13	31
22/07/24 20:40	1	14	16	1	14.9	76	1.7	7	27
22/07/24 20:45	1	15	16	1	14.9	76	1.8	6	26
22/07/24 20:50	1	14	16	1	14.9	76	2.2	9	22
22/07/24 20:55	1	14	15	1	14.9	76	1.8	10	23
22/07/24 21:00	2	14	16	1	14.9	76	1.1	3	36
22/07/24 21:05	2	15	17	1	14.9	76	1.9	4	25
22/07/24 21:10	2	15	17	1	14.9	76	2.0	4	22
22/07/24 21:15	2	15	17	1	15.0	76	1.6	348	35
22/07/24 21:20	2	15	17	1	14.9	76	1.0	340	36
22/07/24 21:25	1	15	17	1	14.9	75	1.9	350	25
22/07/24 21:30	1	15	16	1	15.2	74	1.9	340	29
22/07/24 21:35	1	14	15	1	15.4	73	1.8	336	43
22/07/24 21:40	1	13	14	1	15.4	73	2.1	336	26
22/07/24 21:45	1	12	13	1	15.6	72	2.2	358	29
22/07/24 21:50	1	12	13	1	15.6	72	2.4	355	26
22/07/24 21:55	1	12	13	1	15.7	71	2.3	335	25
22/07/24 22:00	1	11	12	1	15.7	71	2.3	344	31
22/07/24 22:05	1	11	12	1	15.7	71	1.5	341	39
22/07/24 22:10	1	11	11	1	15.7	70	1.8	350	38
22/07/24 22:15	1	10	11	1	15.8	70	2.7	333	30
22/07/24 22:20	0	9	10	1	15.9	70	2.8	342	26
22/07/24 22:25	0	9	10	1	15.8	70	2.1	352	32
22/07/24 22:30	0	9	10	1	15.8	69	2.2	338	33
22/07/24 22:35	0	9	9	1	15.8	70	2.2	354	33
22/07/24 22:40	0	9	9	1	15.8	70	2.8	355	26
22/07/24 22:45	1	9	10	1	15.8	70	2.5	355	28
22/07/24 22:50	1	9	10	1	15.8	70	2.8	346	29
22/07/24 22:55	0	9	10	1	15.7	69	2.0	339	32
22/07/24 23:00	0	9	10	1	15.8	69	2.7	341	32
22/07/24 23:05	0	9	9	1	15.8	69	3.0	328	29
22/07/24 23:10	1	9	9	1	15.8	69	2.3	317	28
22/07/24 23:15	0	8	9	1	15.7	68	2.5	334	32
22/07/24 23:20	0	8	8	1	15.8	68	2.6	330	31
22/07/24 23:25	0	8	8	1	15.9	68	2.5	325	26
22/07/24 23:30	0	7	8	1	15.8	68	2.2	324	30
22/07/24 23:35	0	7	7	1	15.8	68	1.7	325	37
22/07/24 23:40	0	7	7	1	15.7	68	1.6	327	33
22/07/24 23:45	0	8	8	1	15.7	68	2.0	333	36
22/07/24 23:50	0	8	8		15.7	68	2.0	334	28
22/07/24 23:55	0	7	8		15.7	68	2.7	338	29
23/07/24 00:00	0	7	8	1	15.6	68	2.3	344	27
23/07/24 00:05	0	8	8	1	15.6	69	1.8	330	30
23/07/24 00:10	0	8	8	1	15.5	69	1.2	336	47
23/07/24 00:15	0	7	8	1	15.4	69	2.8	358	21
23/07/24 00:20	0	7	8	1	15.3	70	2.0	350	30
23/07/24 00:25	0	7	8	1	15.3	70	1.4	345	36
23/07/24 00:30	0	7	8	1	15.3	70	1.8	340	32
23/07/24 00:35	0	7	8	1	15.2	70	1.2	333	43
23/07/24 00:40	0	8	8	1	15.2	70	2.1	352	27
23/07/24 00:45	0	8	9	1	15.1	70	1.8	360	24
23/07/24 00:50	1	9	10	1	15.1	70	3.1	357	22
23/07/24 00:55	1	10	11	1	15.1	70	2.9	1	20
23/07/24 01:00	1	11	11	1	15.1	70	2.6	360	25
23/07/24 01:05					15.1	70	2.1	1	26
23/07/24 01:10					15.1	70	2.2	0	22
23/07/24 01:15					15.0	70	2.4	1	19
23/07/24 01:20					14.9	70	2.2	7	23
23/07/24 01:25					14.8	71	1.4	355	27
23/07/24 01:30					14.8	71	1.7	359	21
23/07/24 01:35					14.7	71	1.5	352	33
23/07/24 01:40					14.7	71	1.7	344	30
23/07/24 01:45					14.7	71	2.1	356	16
23/07/24 01:50					14.8	70	2.5	0	20
23/07/24 01:55					14.7	71	1.7	356	25
23/07/24 02:00					14.6	71	2.1	360	23
23/07/24 02:05	1	10	10	1	14.5	71	2.4	2	22
23/07/24 02:10	1	9	10	1	14.5	71	2.1	6	26
23/07/24 02:15	1	9	9	1	14.5	71	2.3	359	24
23/07/24 02:20	1	8	9	1	14.4	71	2.6	356	19

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/07/24 02:25	0	8	8	1	14.5	71	2.2	360	16
23/07/24 02:30	0	7	8	1	14.3	71	1.8	9	29
23/07/24 02:35	0	7	7	1	14.2	71	2.3	7	21
23/07/24 02:40	0	7	7	1	14.2	71	2.0	1	18
23/07/24 02:45	0	7	7	1	14.2	72	2.0	356	23
23/07/24 02:50	0	7	7	1	14.1	71	2.1	358	20
23/07/24 02:55	0	7	7	1	14.0	72	1.7	347	29
23/07/24 03:00	0	7	7	1	14.0	72	1.9	2	27
23/07/24 03:05	0	7	7	1	14.0	71	1.3	350	38
23/07/24 03:10	0	7	7	1	14.1	71	2.2	359	21
23/07/24 03:15	0	7	7	1	14.2	70	2.2	356	22
23/07/24 03:20	0	7	7	1	14.2	70	2.1	354	24
23/07/24 03:25	0	6	6	1	14.3	69	2.1	0	25
23/07/24 03:30	0	6	6	1	14.3	69	2.5	2	18
23/07/24 03:35	0	6	6	1	14.3	69	2.0	2	26
23/07/24 03:40	0	6	6	1	14.3	69	2.3	2	16
23/07/24 03:45	0	6	6	1	14.3	69	1.9	357	19
23/07/24 03:50	0	6	7	1	14.3	69	1.8	4	26
23/07/24 03:55	0	7	7	1	14.3	68	2.1	2	21
23/07/24 04:00	0	7	7	1	14.4	68	2.3	4	21
23/07/24 04:05	0	7	7	1	14.4	68	2.0	3	28
23/07/24 04:10	0	7	7	1	14.5	68	2.4	2	20
23/07/24 04:15	0	7	7	1	14.4	68	2.5	8	17
23/07/24 04:20	0	7	7	1	14.3	68	2.4	7	19
23/07/24 04:25	0	7	7	1	14.2	68	1.8	10	29
23/07/24 04:30	0	7	7	1	14.1	69	1.9	9	25
23/07/24 04:35	0	7	8	1	14.1	69	2.9	7	14
23/07/24 04:40	1	7	8	1	14.0	69	1.8	10	17
23/07/24 04:45	1	8	8	1	13.9	69	1.8	18	22
23/07/24 04:50	1	8	9	1	13.8	69	2.6	13	21
23/07/24 04:55	1	8	9	1	13.7	69	2.1	14	20
23/07/24 05:00	0	9	9	1	13.7	69	2.0	10	25
23/07/24 05:05	0	10	10	1	13.6	69	1.8	8	20
23/07/24 05:10	0	10	11	1	13.5	69	2.1	18	22
23/07/24 05:15	1	11	11	1	13.6	69	1.9	18	22
23/07/24 05:20	1	11	12	1	13.5	69	2.1	16	18
23/07/24 05:25	1	11	12	1	13.4	69	2.0	15	24
23/07/24 05:30	1	11	12	1	13.4	69	2.1	14	21
23/07/24 05:35	1	12	12	1	13.5	69	1.8	14	25
23/07/24 05:40	2	12	14	1	13.4	69	1.9	12	26
23/07/24 05:45	2	14	15	1	13.4	68	2.5	13	20
23/07/24 05:50	2	15	17	1	13.4	68	2.3	7	25
23/07/24 05:55	2	16	18	1	13.5	68	2.1	6	24
23/07/24 06:00	2	17	19	1	13.4	68	2.4	10	22
23/07/24 06:05	2	18	20	1	13.4	67	3.1	7	18
23/07/24 06:10	2	18	20	1	13.4	67	2.3	8	23
23/07/24 06:15	2	18	20	1	13.4	67	3.1	9	18
23/07/24 06:20	2	18	19	1	13.3	66	3.2	5	21
23/07/24 06:25	2	17	18	1	13.1	66	3.5	5	18
23/07/24 06:30	1	16	18	1	13.2	66	2.4	7	27
23/07/24 06:35	1	16	18	1	12.9	66	3.5	8	17
23/07/24 06:40	1	17	18	1	12.9	67	2.9	8	23
23/07/24 06:45	2	18	20	1	12.8	67	2.7	11	21
23/07/24 06:50	3	19	22	1	12.7	67	2.7	359	25
23/07/24 06:55	4	23	27	1	12.6	67	2.9	1	18
23/07/24 07:00	5	24	29	1	12.6	67	2.8	11	22
23/07/24 07:05	5	24	29	1	12.6	67	3.3	8	17
23/07/24 07:10	5	23	28	1	12.5	67	2.7	3	24
23/07/24 07:15	5	23	27	1	12.5	67	2.6	4	29
23/07/24 07:20	5	23	27	1	12.4	67	3.0	10	25
23/07/24 07:25	6	23	29	1	12.4	67	2.9	4	18
23/07/24 07:30	7	25	32	1	12.3	67	2.9	5	23
23/07/24 07:35	7	24	31	1	12.3	67	2.9	5	20
23/07/24 07:40	6	22	28	1	12.2	66	2.8	12	23
23/07/24 07:45	5	20	25	1	12.2	66	2.7	7	25
23/07/24 07:50	5	18	23	1	12.1	66	2.8	9	25
23/07/24 07:55	4	18	22	1	12.0	66	2.5	12	22
23/07/24 08:00	4	18	22	1	12.0	66	2.0	15	25
23/07/24 08:05	6	20	26	1	12.0	65	2.7	23	21
23/07/24 08:10	6	20	27	1	12.2	64	2.6	15	28
23/07/24 08:15	7	19	26	1	12.4	63	3.1	15	23
23/07/24 08:20	6	18	24	1	12.6	61	3.1	23	20
23/07/24 08:25	6	17	23	1	12.8	60	2.8	24	24
23/07/24 08:30	6	16	22	1	12.9	60	3.6	24	16
23/07/24 08:35	6	15	21	1	12.8	60	3.2	16	24
23/07/24 08:40	6	15	20	1	12.8	60	3.2	16	28
23/07/24 08:45	6	14	20	1	12.8	60	2.4	11	33
23/07/24 08:50	6	14	19	1	13.1	60	3.3	8	25
23/07/24 08:55	6	13	19	1	13.2	59	2.8	13	27
23/07/24 09:00	6	13	19	1	13.3	59	3.6	7	23
23/07/24 09:05	6	12	18	1	13.3	59	4.0	4	19
23/07/24 09:10	5	12	17	1	13.3	59	3.4	2	20
23/07/24 09:15	5	12	17	1	13.3	60	2.8	10	23
23/07/24 09:20	6	12	17	1	13.5	59	3.2	14	25
23/07/24 09:25	6	12	18	1	13.5	59	3.0	17	22
23/07/24 09:30	6	12	18	1	13.6	59	3.2	9	21

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/07/24 09:35	6	11	18	1	13.6	58	2.5	3	25
23/07/24 09:40	7	12	18	1	13.6	59	2.9	7	23
23/07/24 09:45	7	12	18	1	13.7	58	3.3	4	18
23/07/24 09:50	7	12	19	1	13.9	58	2.9	15	21
23/07/24 09:55	7	12	20	1	13.9	57	2.8	23	19
23/07/24 10:00	8	13	21	1	14.1	56	2.7	14	24
23/07/24 10:05	9	13	22	1	14.6	53	2.8	7	25
23/07/24 10:10	10	14	24	1	15.1	51	3.0	22	18
23/07/24 10:15	11	13	24	1	15.3	50	4.0	18	16
23/07/24 10:20	10	12	22	1	15.2	50	3.0	360	25
23/07/24 10:25	9	12	21	1	15.3	50	3.1	5	30
23/07/24 10:30	8	12	20	1	15.4	49	3.3	359	28
23/07/24 10:35	8	12	20	1	15.6	48	2.7	352	30
23/07/24 10:40	8	11	19	1	15.9	47	3.2	6	26
23/07/24 10:45	7	10	16	1	15.9	46	3.3	355	31
23/07/24 10:50	6	9	15	1	16.0	46	3.3	2	29
23/07/24 10:55	6	9	15	1	16.2	45	2.3	348	35
23/07/24 11:00	6	8	14	1	16.2	44	2.7	324	28
23/07/24 11:05	6	9	14	1	16.5	44	2.3	343	38
23/07/24 11:10	5	9	14	1	16.6	43	2.4	335	34
23/07/24 11:15	5	9	14	1	16.5	43	2.4	341	32
23/07/24 11:20	5	8	13	1	16.6	43	3.2	344	33
23/07/24 11:25	5	8	13	1	16.8	43	2.3	345	37
23/07/24 11:30	5	9	13	1	16.9	43	1.9	353	41
23/07/24 11:35	5	9	13	1	16.9	43	2.2	340	33
23/07/24 11:40	5	9	13	1	16.9	43	2.1	340	28
23/07/24 11:45	4	8	13	1	16.9	42	3.0	347	31
23/07/24 11:50	4	8	13	1	16.9	43	2.2	329	39
23/07/24 11:55	5	8	13	1	17.0	43	1.8	323	35
23/07/24 12:00	5	8	13	1	17.2	42	1.7	328	40
23/07/24 12:05	5	8	13	1	17.4	41	2.7	330	30
23/07/24 12:10	4	8	12	1	17.3	41	2.7	328	28
23/07/24 12:15	4	8	12	1	17.6	41	2.1	353	33
23/07/24 12:20	5	8	12	1	17.7	40	2.0	349	36
23/07/24 12:25	4	7	11	1	17.5	40	3.7	334	26
23/07/24 12:30	3	6	10	0	17.3	41	3.1	331	29
23/07/24 12:35	3	6	9	0	17.5	41	2.3	317	30
23/07/24 12:40	3	6	9	0	17.7	41	1.8	327	33
23/07/24 12:45	3	6	9	1	17.7	40	2.3	321	38
23/07/24 12:50	3	6	9	0	17.9	40	2.9	346	31
23/07/24 12:55	3	6	9	0	18.0	41	2.1	340	42
23/07/24 13:00	3	6	10	0	18.0	40	2.4	348	35
23/07/24 13:05	3	6	10	0	18.1	40	2.4	348	35
23/07/24 13:10	3	7	10	0	18.2	40	2.9	2	33
23/07/24 13:15	4	7	10	0	18.2	41	4.0	8	25
23/07/24 13:20	4	7	11	0	18.1	41	3.1	7	38
23/07/24 13:25	4	7	11	0	18.2	40	3.7	6	25
23/07/24 13:30	4	7	10	0	18.3	41	3.9	4	20
23/07/24 13:35	4	7	10	0	18.2	41	3.0	0	32
23/07/24 13:40	4	7	10	0	18.1	41	4.6	4	23
23/07/24 13:45	3	7	10	0	18.2	41	4.2	12	22
23/07/24 13:50	3	6	10	0	18.3	41	3.8	354	25
23/07/24 13:55	3	6	9	0	18.3	41	4.0	10	19
23/07/24 14:00	3	6	9	0	18.4	41	3.8	0	22
23/07/24 14:05	3	6	9	0	18.3	42	4.0	2	26
23/07/24 14:10	3	6	9	0	18.4	42	3.6	17	21
23/07/24 14:15	3	6	10	0	18.5	42	3.8	5	26
23/07/24 14:20	3	7	10	0	18.5	42	2.8	2	29
23/07/24 14:25	3	7	10	0	18.6	42	2.8	9	25
23/07/24 14:30	3	7	10	0	18.7	42	3.3	14	21
23/07/24 14:35	3	7	10	0	18.5	43	3.0	6	23
23/07/24 14:40	3	7	11	0	18.4	43	3.6	22	16
23/07/24 14:45	4	8	12	0	18.5	43	2.4	13	24
23/07/24 14:50	4	9	13	0	18.4	44	2.2	1	33
23/07/24 14:55	4	9	13	0	18.3	43	2.8	357	33
23/07/24 15:00	4	10	14	0	18.5	38	4.4	306	17
23/07/24 15:05	4	9	13	0	18.6	38	3.4	332	33
23/07/24 15:10	4	9	13	0	18.8	37	3.3	340	35
23/07/24 15:15	3	9	12	0	18.7	38	3.5	309	21
23/07/24 15:20	3	9	12	0	18.6	38	3.4	325	24
23/07/24 15:25	3	9	12	0	18.5	39	3.6	325	25
23/07/24 15:30	3	9	12	0	18.4	39	3.3	337	30
23/07/24 15:35	3	8	11	0	18.2	39	2.9	323	31
23/07/24 15:40	3	9	11	0	18.0	40	3.1	323	28
23/07/24 15:45	2	9	11	0	17.9	40	3.2	335	27
23/07/24 15:50	2	9	11	0	17.9	41	2.7	336	27
23/07/24 15:55	2	9	12	1	17.8	42	2.6	4	35
23/07/24 16:00	2	10	13	0	17.9	42	2.8	346	31
23/07/24 16:05	3	10	12	0	17.8	41	2.9	356	34
23/07/24 16:10	3	9	12	1	17.8	42	2.6	341	34
23/07/24 16:15	2	10	11	1	17.7	41	2.9	345	28
23/07/24 16:20	2	9	11	1	17.9	40	2.6	327	26
23/07/24 16:25	2	9	11	0	18.0	40	3.1	347	29
23/07/24 16:30	2	9	11	0	18.1	40	2.9	337	28
23/07/24 16:35	2	9	11	0	18.0	40	2.8	334	33
23/07/24 16:40	2	8	10	0	18.0	40	2.9	350	31

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/07/24 16:45	1	8	10	0	17.9	41	2.1	342	34
23/07/24 16:50	1	9	10	0	17.7	41	2.0	341	43
23/07/24 16:55	1	9	10	0	17.6	41	2.7	342	31
23/07/24 17:00	1	9	10	0	17.4	42	2.3	352	32
23/07/24 17:05	1	10	11	0	17.3	42	3.2	359	22
23/07/24 17:10	1	10	12	0	17.3	43	2.8	356	35
23/07/24 17:15	1	11	13	0	17.1	44	3.3	358	26
23/07/24 17:20	2	13	15	0	17.1	45	2.5	348	32
23/07/24 17:25	2	16	18	0	16.9	45	2.0	357	36
23/07/24 17:30	3	19	22	0	16.9	45	2.9	1	21
23/07/24 17:35	3	19	22	0	16.7	46	1.9	357	26
23/07/24 17:40	3	19	21	0	16.6	47	2.6	4	27
23/07/24 17:45	2	15	16	0	16.5	48	2.7	6	24
23/07/24 17:50	1	13	14	0	16.4	49	2.3	356	27
23/07/24 17:55	1	13	14	0	16.3	49	2.7	5	22
23/07/24 18:00	1	14	15	0	16.2	50	1.8	17	22
23/07/24 18:05	2	16	18	0	16.0	51	2.7	7	21
23/07/24 18:10	2	17	19	0	16.0	52	2.2	6	19
23/07/24 18:15	2	18	20	0	15.9	52	3.0	6	20
23/07/24 18:20	2	18	20	0	15.9	51	2.7	10	22
23/07/24 18:25	2	18	21	0	15.8	52	2.4	25	16
23/07/24 18:30	2	19	21	1	15.7	52	2.4	19	23
23/07/24 18:35	2	18	20	1	15.7	50	3.0	16	23
23/07/24 18:40	2	17	19	0	15.7	49	2.8	14	22
23/07/24 18:45	1	17	18	0	15.6	49	2.0	2	29
23/07/24 18:50	1	17	18	0	15.5	49	2.7	9	21
23/07/24 18:55	1	18	19	0	15.6	50	2.1	22	19
23/07/24 19:00	1	18	19	0	15.3	51	2.6	14	19
23/07/24 19:05	1	18	20	0	15.3	52	2.6	19	19
23/07/24 19:10	2	18	20	0	15.2	52	2.9	16	20
23/07/24 19:15	2	17	19	0	15.1	52	2.6	15	20
23/07/24 19:20	2	16	18	1	15.0	52	2.6	10	22
23/07/24 19:25	3	16	19	1	15.1	52	2.6	18	27
23/07/24 19:30	1	15	17	1	15.0	51	3.3	19	17
23/07/24 19:35	1	15	16	1	15.0	51	3.2	20	22
23/07/24 19:40	1	14	15	1	15.0	52	3.0	13	24
23/07/24 19:45	1	12	13	1	15.0	52	3.6	16	17
23/07/24 19:50	1	11	12	0	15.0	52	3.5	12	20
23/07/24 19:55	1	10	11	0	15.0	52	3.8	19	20
23/07/24 20:00	1	9	10	0	15.0	51	4.0	14	19
23/07/24 20:05	1	8	9	0	15.1	50	3.3	8	25
23/07/24 20:10	1	8	9	0	15.1	50	3.4	20	26
23/07/24 20:15	1	8	10	0	15.0	50	3.8	23	22
23/07/24 20:20	1	8	10	1	15.0	49	3.5	14	19
23/07/24 20:25	1	8	9	1	15.0	49	3.2	11	22
23/07/24 20:30	1	8	9	1	14.8	49	3.6	17	18
23/07/24 20:35	1	9	9	1	14.8	49	4.1	15	21
23/07/24 20:40	1	9	10	1	14.8	48	3.4	24	22
23/07/24 20:45	1	10	11	1	14.7	48	3.8	25	21
23/07/24 20:50	1	9	11	1	14.7	47	3.8	23	18
23/07/24 20:55	1	9	10	1	14.8	47	3.2	12	26
23/07/24 21:00	1	9	10	1	14.8	47	3.8	19	20
23/07/24 21:05	1	8	10	0	14.7	47	4.1	14	18
23/07/24 21:10	1	8	10	0	14.7	47	3.6	18	20
23/07/24 21:15	1	9	10	0	14.7	47	3.9	19	26
23/07/24 21:20	1	9	10	0	14.7	47	4.0	13	22
23/07/24 21:25	1	8	10	0	14.7	47	4.8	20	22
23/07/24 21:30	1	8	9	0	14.7	47	4.5	20	19
23/07/24 21:35	1	8	9	0	14.7	47	4.1	15	23
23/07/24 21:40	1	8	9	0	14.7	47	4.2	24	17
23/07/24 21:45	1	8	9	0	14.7	47	3.9	16	23
23/07/24 21:50	1	8	9	0	14.6	47	4.2	19	23
23/07/24 21:55	1	8	8	0	14.7	47	4.3	15	22
23/07/24 22:00	1	8	8	0	14.6	47	3.7	13	24
23/07/24 22:05	1	8	9	0	14.6	47	4.6	20	17
23/07/24 22:10	1	8	9	0	14.5	47	3.4	13	22
23/07/24 22:15	1	8	9	0	14.5	47	3.8	21	20
23/07/24 22:20	1	8	9	0	14.5	47	4.6	16	21
23/07/24 22:25	1	8	9	0	14.6	46	3.6	18	19
23/07/24 22:30	1	9	9	0	14.5	47	3.6	15	20
23/07/24 22:35	1	8	9	0	14.4	47	2.9	16	25
23/07/24 22:40	0	8	9	0	14.3	47	4.0	16	18
23/07/24 22:45	0	8	8	0	14.4	46	3.8	10	17
23/07/24 22:50	0	8	9	0	14.4	46	3.6	21	17
23/07/24 22:55	0	8	9	0	14.4	46	3.1	11	22
23/07/24 23:00	0	8	8	0	14.4	46	3.6	12	22
23/07/24 23:05	0	8	8	0	14.5	46	3.7	9	19
23/07/24 23:10	0	8	8	0	14.4	46	3.4	13	16
23/07/24 23:15	0	7	8	0	14.4	46	3.1	10	25
23/07/24 23:20	0	7	7	0	14.4	46	4.1	10	19
23/07/24 23:25	0	7	7	0	14.4	46	3.7	6	18
23/07/24 23:30	0	7	7	0	14.4	46	3.5	5	24
23/07/24 23:35	0	7	7	0	14.4	46	3.1	1	23
23/07/24 23:40	0	6	7	0	14.3	46	2.7	360	26
23/07/24 23:45	0	6	6	0	14.2	46	2.5	356	29
23/07/24 23:50	0	6	6		14.3	46	2.3	344	26

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/07/24 23:55	0	6	7		14.3	46	2.8	347	28
24/07/24 00:00	0	7	7	0	14.2	47	1.9	338	32
24/07/24 00:05	0	7	7	1	14.1	47	2.9	350	24
24/07/24 00:10	0	7	7	1	14.2	46	3.2	359	28
24/07/24 00:15	0	7	7	1	14.2	46	2.8	351	28
24/07/24 00:20	0	6	6	1	14.3	46	3.2	5	25
24/07/24 00:25	0	6	6	1	14.4	46	3.3	357	28
24/07/24 00:30	0	6	6	1	14.4	46	3.0	357	28
24/07/24 00:35	1	6	6	1	14.3	47	2.7	1	26
24/07/24 00:40	1	6	6	1	14.2	47	3.8	357	24
24/07/24 00:45	0	5	6	1	14.2	47	4.0	11	27
24/07/24 00:50	0	5	5	1	14.3	48	3.8	11	18
24/07/24 00:55	0	5	5	1	14.1	49	3.3	10	23
24/07/24 01:00	0	5	5	1	14.2	49	4.4	7	19
24/07/24 01:05					14.1	48	4.6	10	17
24/07/24 01:10					14.0	49	4.8	8	20
24/07/24 01:15					14.0	50	5.2	13	17
24/07/24 01:20									
24/07/24 01:25									
24/07/24 01:30									
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24/07/24 06:40									
24/07/24 06:45									
24/07/24 06:50									
24/07/24 06:55									
24/07/24 07:00									

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

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/07/24 07:05									
24/07/24 07:10									
24/07/24 07:15									
24/07/24 07:20									
24/07/24 07:25									
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24/07/24 08:55									
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24/07/24 13:45									
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24/07/24 13:55									
24/07/24 14:00									
24/07/24 14:05									
24/07/24 14:10									

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/07/24 14:15									
24/07/24 14:20									
24/07/24 14:25									
24/07/24 14:30									
24/07/24 14:35									
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Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/07/24 21:25									
24/07/24 21:30									
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Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
25/07/24 04:35									
25/07/24 04:40									
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25/07/24 11:15									
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25/07/24 11:40									

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
25/07/24 11:45									
25/07/24 11:50									
25/07/24 11:55									
25/07/24 12:00									
25/07/24 12:05									
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25/07/24 12:25									
25/07/24 12:30									
25/07/24 12:35									
25/07/24 12:40									
25/07/24 12:45									
25/07/24 12:50									
25/07/24 12:55									
25/07/24 13:00									
25/07/24 13:05					12.3	83	1.9	14	22
25/07/24 13:10					12.3	83	2.7	12	21
25/07/24 13:15					12.4	82	2.5	1	29
25/07/24 13:20					12.4	81	3.6	7	21
25/07/24 13:25					12.4	81	2.7	15	27
25/07/24 13:30					12.4	82	3.1	15	22
25/07/24 13:35	4	31	35		12.3	82	2.4	19	26
25/07/24 13:40	5	36	41		12.3	83	3.4	30	16
25/07/24 13:45	5	33	38		12.2	83	3.6	34	17
25/07/24 13:50	5	31	36		12.2	83	2.6	17	26
25/07/24 13:55	6	28	34		12.2	83	1.9	355	37
25/07/24 14:00	5	24	30		12.2	82	2.7	5	22
25/07/24 14:05	5	18	23		12.2	82	2.8	10	19
25/07/24 14:10	5	18	23	1	12.2	82	2.4	5	21
25/07/24 14:15	5	18	23	1	12.3	82	2.1	350	26
25/07/24 14:20	6	18	25	1	12.3	82	1.4	3	25
25/07/24 14:25	9	22	30	1	12.4	82	1.6	2	25
25/07/24 14:30	13	22	36	1	12.5	81	1.7	11	23
25/07/24 14:35	21	21	42	1	12.7	81	1.8	12	22
25/07/24 14:40	20	20	41	1	12.9	81	1.4	13	31
25/07/24 14:45	18	16	34	1	13.0	79	2.0	5	28
25/07/24 14:50	17	17	34	1	13.1	79	1.2	317	43
25/07/24 14:55	16	18	35	1	13.2	78	1.0	353	42
25/07/24 15:00	15	19	33	1	13.2	76	1.4	348	39
25/07/24 15:05	12	17	29	1	13.4	74	2.3	333	26
25/07/24 15:10	11	16	27	1	13.7	73	2.3	339	33
25/07/24 15:15	11	16	27	1	13.7	72	2.2	322	26
25/07/24 15:20	9	15	24	1	13.7	72	2.6	329	27
25/07/24 15:25	8	15	23	1	13.7	72	1.9	338	38
25/07/24 15:30	7	16	23	1	13.7	71	3.1	351	25
25/07/24 15:35	7	16	23	1	13.7	72	1.8	351	35
25/07/24 15:40	7	17	24	1	13.7	71	2.0	335	33
25/07/24 15:45	7	18	25	1	13.8	72	1.5	354	42
25/07/24 15:50	8	21	29	1	13.9	72	1.7	343	26
25/07/24 15:55	9	24	33	1	14.2	71	2.2	6	29
25/07/24 16:00	9	20	29	1	14.3	70	1.6	1	34
25/07/24 16:05	9	18	27	1	14.5	70	1.6	334	33
25/07/24 16:10	9	18	27	2	14.6	67	2.5	318	30
25/07/24 16:15	7	12	18	2	14.6	63	3.4	308	21
25/07/24 16:20	4	11	15	2	14.7	62	2.9	314	24
25/07/24 16:25	3	11	14	2	14.8	62	2.5	320	28
25/07/24 16:30	3	13	16	1	14.9	61	3.1	313	19
25/07/24 16:35	3	14	17	2	14.9	61	2.9	319	20
25/07/24 16:40	3	13	16	2	14.8	61	2.7	322	30
25/07/24 16:45	2	12	15	2	14.7	61	3.4	312	22
25/07/24 16:50	2	12	14	2	14.6	61	3.4	321	19
25/07/24 16:55	2	12	14	2	14.5	62	3.5	316	21
25/07/24 17:00	2	13	15	2	14.4	63	1.6	319	32
25/07/24 17:05	2	14	16	2	14.3	65	1.9	359	26
25/07/24 17:10	3	19	22	2	14.0	66	1.8	335	35
25/07/24 17:15	3	24	27	1	13.9	68	1.7	354	37
25/07/24 17:20	3	22	26	1	13.7	68	2.6	358	20
25/07/24 17:25	3	22	25	1	13.5	69	1.9	352	29
25/07/24 17:30	3	22	24	1	13.4	70	2.2	7	23
25/07/24 17:35	3	22	24	1	13.3	71	1.9	7	30
25/07/24 17:40	3	22	24	1	13.2	72	2.6	19	23
25/07/24 17:45	1	19	20	2	13.1	73	2.0	17	23
25/07/24 17:50	1	16	17	2	12.9	74	2.2	21	21
25/07/24 17:55	1	16	17	1	12.8	75	3.0	10	22
25/07/24 18:00	4	16	20	1	12.7	75	2.5	6	24
25/07/24 18:05	1	12	14	1	12.6	76	2.8	9	23
25/07/24 18:10	2	13	15	1	12.5	77	2.6	16	22
25/07/24 18:15	1	13	14	2	12.4	77	3.0	21	22
25/07/24 18:20	1	13	15	2	12.4	78	2.8	12	17
25/07/24 18:25	1	14	15	2	12.3	78	3.0	19	20
25/07/24 18:30	1	13	14	1	12.2	78	2.7	2	27
25/07/24 18:35	1	13	14	1	12.2	78	2.4	4	27
25/07/24 18:40	1	13	14	2	12.1	79	3.2	13	19
25/07/24 18:45	1	12	13	2	12.1	79	3.2	5	19
25/07/24 18:50	1	12	13	2	12.1	78	3.8	360	16

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
25/07/24 18:55	1	12	13	1	12.1	79	3.1	7	18
25/07/24 19:00	1	12	13	1	12.0	79	3.0	7	20
25/07/24 19:05	1	13	14	1	11.9	80	2.5	358	29
25/07/24 19:10	1	14	15	1	11.8	80	1.9	4	26
25/07/24 19:15	1	15	17	1	11.7	81	2.0	356	25
25/07/24 19:20	2	21	23	1	11.6	81	2.5	4	24
25/07/24 19:25	3	24	28	1	11.6	81	2.7	5	21
25/07/24 19:30	3	22	25	1	11.6	81	2.3	15	24
25/07/24 19:35	3	18	21	1	11.6	80	2.3	2	26
25/07/24 19:40	2	16	18	1	11.6	80	2.6	2	25
25/07/24 19:45	2	17	19	1	11.6	80	2.3	6	22
25/07/24 19:50	2	17	18	1	11.5	80	2.7	6	21
25/07/24 19:55	1	15	16	1	11.5	79	3.1	5	22
25/07/24 20:00	1	14	16	1	11.7	78	2.9	0	23
25/07/24 20:05	1	13	14	1	11.7	78	2.5	7	30
25/07/24 20:10	1	12	13	1	11.9	77	3.5	5	22
25/07/24 20:15	1	11	12	2	11.8	76	3.2	11	22
25/07/24 20:20	1	11	12	2	12.0	75	3.4	9	22
25/07/24 20:25	1	11	12	2	12.0	75	3.5	8	24
25/07/24 20:30	1	11	11	1	12.1	74	3.1	5	26
25/07/24 20:35	1	10	11	1	12.1	74	2.3	1	34
25/07/24 20:40	1	11	12	1	12.1	74	2.1	356	35
25/07/24 20:45	1	12	13	1	12.1	74	1.7	336	40
25/07/24 20:50	1	14	15	2	12.2	73	1.7	336	41
25/07/24 20:55	1	16	17	2	12.2	73	2.5	344	36
25/07/24 21:00	2	17	19	1	12.2	73	2.9	1	26
25/07/24 21:05	2	16	18	2	12.2	72	2.5	2	25
25/07/24 21:10	2	15	17	2	12.2	72	2.9	358	25
25/07/24 21:15	2	16	17	2	12.3	72	2.4	351	29
25/07/24 21:20	2	16	18	2	12.3	72	1.9	351	40
25/07/24 21:25	2	17	19	2	12.4	71	2.2	337	37
25/07/24 21:30	2	17	19	2	12.5	71	2.0	321	30
25/07/24 21:35	2	17	18	2	12.5	71	2.5	345	30
25/07/24 21:40	1	16	17	2	12.6	72	2.3	335	31
25/07/24 21:45	1	14	15	2	12.6	73	2.7	341	32
25/07/24 21:50	1	14	15	2	12.6	73	2.7	326	27
25/07/24 21:55	1	15	17	1	12.6	74	3.1	336	26
25/07/24 22:00	1	15	17	1	12.7	74	2.9	336	35
25/07/24 22:05	2	15	17	1	12.7	74	3.1	335	33
25/07/24 22:10	2	14	16	2	12.7	75	2.9	326	32
25/07/24 22:15	1	12	14	2	12.7	76	2.4	326	28
25/07/24 22:20	1	11	12	2	12.5	76	2.6	318	26
25/07/24 22:25	1	11	11	2	12.5	78	3.9	268	23
25/07/24 22:30	1	11	12	2	12.1	77	5.5	260	7
25/07/24 22:35	1	13	14	2	11.8	80	5.9	258	6
25/07/24 22:40	1	9	11	2	11.6	80	6.3	261	6
25/07/24 22:45	1	2	3	2	11.5	80	4.5	271	9
25/07/24 22:50	1	3	4	1	11.5	79	2.9	282	14
25/07/24 22:55	1	4	5	1	11.5	79	2.6	289	13
25/07/24 23:00	0	8	8	2	11.6	78	2.2	295	12
25/07/24 23:05	0	11	12	2	11.6	77	2.0	305	13
25/07/24 23:10	0	10	10	2	11.7	77	1.9	304	13
25/07/24 23:15	0	9	9	2	11.7	77	1.9	301	18
25/07/24 23:20	0	8	8	2	11.7	76	2.3	315	12
25/07/24 23:25	0	8	9	1	11.7	76	2.0	310	12
25/07/24 23:30	0	9	10	2	11.6	77	1.9	314	11
25/07/24 23:35	0	12	12	2	11.6	77	2.0	307	10
25/07/24 23:40	0	23	23	2	11.5	77	1.5	303	16
25/07/24 23:45	1	23	23	2	11.6	77	1.4	319	14
25/07/24 23:50	1	22	23		11.6	76	2.0	312	12
25/07/24 23:55	0	22	22		11.7	75	2.3	309	12
26/07/24 00:00	0	22	22	2	11.8	74	2.5	310	11
26/07/24 00:05	1	22	23	1	11.8	73	2.6	310	9
26/07/24 00:10	1	23	23	1	11.7	73	1.7	313	12
26/07/24 00:15	1	23	24	1	11.6	74	1.1	333	17
26/07/24 00:20	1	24	25	1	11.4	75	1.5	334	16
26/07/24 00:25	1	25	26	1	11.3	75	1.1	333	21
26/07/24 00:30	2	27	29	1	11.3	76	1.0	328	23
26/07/24 00:35	9	36	46	1	11.2	77	1.1	342	31
26/07/24 00:40	17	31	48	1	11.1	78	1.3	326	26
26/07/24 00:45	17	30	48	1	11.1	77	1.7	321	20
26/07/24 00:50	16	30	47	1	11.1	76	2.3	315	14
26/07/24 00:55	9	33	42	0	11.3	75	2.1	308	15
26/07/24 01:00	6	29	35	0	11.2	75	1.8	311	13
26/07/24 01:05					11.2	75	2.1	306	13
26/07/24 01:10					11.1	76	2.4	301	11
26/07/24 01:15					11.1	76	2.6	305	12
26/07/24 01:20					11.1	78	2.1	313	11
26/07/24 01:25					10.9	78	1.3	327	26
26/07/24 01:30					10.8	79	0.9	336	28
26/07/24 01:35					10.5	79	1.3	359	25
26/07/24 01:40					10.4	80	0.9	337	31
26/07/24 01:45					10.3	81	1.5	328	28
26/07/24 01:50					10.3	81	2.1	333	27
26/07/24 01:55					10.3	81	1.8	323	25
26/07/24 02:00					10.2	81	1.7	325	23

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/07/24 02:05	4	23	28	1	10.2	81	1.4	316	27
26/07/24 02:10	3	21	24	0	10.1	81	1.6	326	27
26/07/24 02:15	3	18	20	1	10.1	81	1.5	325	26
26/07/24 02:20	3	19	21	1	10.0	81	1.3	320	32
26/07/24 02:25	3	20	22	0	9.9	81	1.7	329	27
26/07/24 02:30	3	21	23	1	9.9	81	1.2	326	36
26/07/24 02:35	3	21	25	1	9.8	81	1.4	335	32
26/07/24 02:40	3	22	25	1	9.8	81	1.9	331	26
26/07/24 02:45	3	22	25	1	9.8	81	1.5	315	24
26/07/24 02:50	3	23	26	1	9.8	81	1.5	320	26
26/07/24 02:55	3	23	26	0	9.7	81	1.1	328	40
26/07/24 03:00	2	22	25	0	9.6	80	1.1	335	39
26/07/24 03:05	3	23	26	1	9.6	79	1.6	355	28
26/07/24 03:10	20	34	54	0	9.5	79	1.5	1	29
26/07/24 03:15	11	32	43	0	9.4	80	1.6	5	21
26/07/24 03:20	5	22	26	0	9.3	81	1.3	332	37
26/07/24 03:25	4	23	28	0	9.2	81	1.4	6	25
26/07/24 03:30	4	23	26	0	9.1	81	1.2	327	31
26/07/24 03:35	6	28	34	0	9.2	81	1.3	319	30
26/07/24 03:40	11	28	40	1	9.1	81	1.1	337	35
26/07/24 03:45	11	25	36	1	9.0	81	1.0	346	38
26/07/24 03:50	13	26	39	1	8.9	81	1.1	332	37
26/07/24 03:55	18	24	42	1	8.9	82	0.9	320	33
26/07/24 04:00	23	29	51	1	8.8	82	1.1	326	40
26/07/24 04:05	25	28	53	1	8.9	82	1.6	313	24
26/07/24 04:10	14	24	39	1	8.9	82	1.4	314	26
26/07/24 04:15	2	18	20	1	9.0	83	2.3	312	19
26/07/24 04:20	1	14	15	1	9.0	82	2.4	317	20
26/07/24 04:25	1	13	14	1	9.1	82	2.2	311	22
26/07/24 04:30	1	13	14	1	9.0	82	2.2	330	26
26/07/24 04:35	1	13	14	1	8.9	81	2.1	352	29
26/07/24 04:40	3	19	22	1	8.8	81	2.2	355	26
26/07/24 04:45	3	19	22	1	8.8	82	2.0	324	36
26/07/24 04:50	2	17	19	1	8.8	82	2.0	343	29
26/07/24 04:55	2	18	19	1	8.8	82	2.6	357	20
26/07/24 05:00	2	18	20	1	8.8	82	1.9	352	30
26/07/24 05:05	2	19	22	1	8.7	82	2.1	2	21
26/07/24 05:10	3	20	23	1	8.9	82	2.8	359	17
26/07/24 05:15	3	21	24	1	8.9	82	2.3	358	23
26/07/24 05:20	3	21	24	1	8.9	82	2.1	356	25
26/07/24 05:25	2	20	22	0	8.9	83	2.1	343	29
26/07/24 05:30	3	20	22	1	8.9	83	2.2	360	27
26/07/24 05:35	3	19	22	1	8.8	83	2.5	8	24
26/07/24 05:40	2	14	16	1	8.9	83	2.6	2	24
26/07/24 05:45	2	12	14	1	8.9	83	1.8	343	36
26/07/24 05:50	2	14	15	1	8.8	83	1.7	351	27
26/07/24 05:55	2	23	25	1	8.8	84	1.6	354	31
26/07/24 06:00	4	31	35	1	8.6	85	1.9	356	26
26/07/24 06:05	17	30	47	0	8.5	85	1.9	359	30
26/07/24 06:10	20	29	49	1	8.6	84	3.0	358	21
26/07/24 06:15	17	30	47	1	8.5	84	2.7	0	21
26/07/24 06:20	11	29	40	1	8.6	84	2.4	359	26
26/07/24 06:25	9	27	36	1	8.6	84	2.5	7	26
26/07/24 06:30	8	24	32	1	8.7	83	2.1	6	28
26/07/24 06:35	5	20	25	0	8.8	82	2.9	8	24
26/07/24 06:40	3	20	22	0	8.8	82	2.9	359	20
26/07/24 06:45	2	19	22	0	8.9	81	2.9	5	22
26/07/24 06:50	2	19	21	0	9.0	81	2.4	8	27
26/07/24 06:55	2	19	21	0	9.0	81	3.0	4	19
26/07/24 07:00	2	19	21	0	8.9	81	2.6	18	26
26/07/24 07:05	2	19	21	0	9.0	81	3.6	21	16
26/07/24 07:10	2	19	20	0	9.1	81	3.8	19	18
26/07/24 07:15	2	18	20	0	9.1	80	3.6	21	19
26/07/24 07:20	2	18	20	0	9.1	81	3.2	18	19
26/07/24 07:25	2	18	21	0	9.1	81	3.5	12	22
26/07/24 07:30	3	19	21	0	9.1	81	3.4	18	21
26/07/24 07:35	3	19	22	0	9.1	80	4.6	13	21
26/07/24 07:40	3	19	22	1	9.1	80	3.6	12	22
26/07/24 07:45	3	19	22	0	9.0	81	2.8	11	29
26/07/24 07:50	4	20	24	0	8.9	81	4.4	15	18
26/07/24 07:55	4	21	25	0	9.0	81	2.3	19	28
26/07/24 08:00	5	21	26	0	9.1	80	2.5	22	26
26/07/24 08:05	6	22	28	1	9.2	79	3.4	23	24
26/07/24 08:10	8	21	29	0	9.3	79	3.3	25	14
26/07/24 08:15	9	22	30	1	9.4	78	3.2	13	21
26/07/24 08:20	9	22	31	1	9.5	77	2.6	18	22
26/07/24 08:25	9	22	31	1	9.8	76	2.6	19	24
26/07/24 08:30	10	22	31	1	9.8	76	3.4	19	18
26/07/24 08:35	9	21	31	1	10.0	75	2.3	13	28
26/07/24 08:40	9	21	31	1	10.0	75	2.4	360	29
26/07/24 08:45	9	21	30	1	10.2	74	2.4	2	21
26/07/24 08:50	9	20	29	0	10.3	73	2.0	5	27
26/07/24 08:55	10	21	31	0	10.5	73	1.9	357	37
26/07/24 09:00	12	22	34	1	10.7	72	2.0	345	34
26/07/24 09:05	13	22	35	1	10.9	71	2.6	349	36
26/07/24 09:10	12	19	31	1	11.0	71	2.9	356	24

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/07/24 09:15	12	20	31	1	11.1	71	2.4	3	21
26/07/24 09:20	12	21	33	1	11.3	70	3.0	355	30
26/07/24 09:25	11	19	30	1	11.4	70	2.9	358	34
26/07/24 09:30	11	17	28	1	11.6	69	3.8	2	23
26/07/24 09:35	10	16	25	1	11.8	69	3.5	2	27
26/07/24 09:40	9	13	22	1	11.8	68	3.3	9	25
26/07/24 09:45	8	11	19	1	12.0	68	3.8	12	16
26/07/24 09:50	7	10	18	1	12.0	68	3.6	4	20
26/07/24 09:55	7	10	17	1	12.1	68	4.6	10	19
26/07/24 10:00	6	10	16	1	12.2	67	3.3	2	24
26/07/24 10:05	6	10	16	1	12.3	67	4.0	7	23
26/07/24 10:10	6	10	16	1	12.4	66	3.5	21	20
26/07/24 10:15	5	10	15	1	12.6	66	2.9	24	24
26/07/24 10:20	5	10	15	1	12.9	65	2.7	15	26
26/07/24 10:25	5	9	14	1	13.1	64	3.8	6	20
26/07/24 10:30	4	9	14	1	13.1	64	3.5	13	22
26/07/24 10:35	4	9	13	1	13.3	64	3.1	10	19
26/07/24 10:40	4	9	13	1	13.5	62	3.3	14	20
26/07/24 10:45	4	9	14	1	13.7	62	3.1	21	21
26/07/24 10:50	5	10	14	1	14.1	61	2.9	8	25
26/07/24 10:55	5	10	15	1	14.3	60	2.6	5	35
26/07/24 11:00	5	10	15	1	14.4	60	2.0	359	34
26/07/24 11:05	5	11	16	1	14.6	60	2.5	356	32
26/07/24 11:10	6	11	17	1	14.7	59	2.0	357	31
26/07/24 11:15	6	12	18	1	14.9	58	2.5	332	33
26/07/24 11:20	6	12	19	1	15.0	58	2.3	327	34
26/07/24 11:25	6	12	19	1	15.0	56	3.7	312	24
26/07/24 11:30	6	11	17	1	15.1	56	2.9	309	17
26/07/24 11:35	5	10	15	1	15.1	56	3.8	316	21
26/07/24 11:40	5	8	13	1	15.2	55	4.9	306	14
26/07/24 11:45	4	5	9	1	15.1	56	3.7	304	16
26/07/24 11:50	4	7	10	1	15.2	57	3.1	320	29
26/07/24 11:55	4	8	12	1	15.5	57	3.8	324	23
26/07/24 12:00	4	8	12	1	15.2	58	3.5	317	23
26/07/24 12:05	4	8	12	1	15.2	58	3.1	311	22
26/07/24 12:10	4	8	12	1	15.2	58	2.8	325	26
26/07/24 12:15	4	8	11	1	15.3	58	3.3	336	28
26/07/24 12:20	3	8	11	1	15.4	58	2.6	338	32
26/07/24 12:25	4	8	11	1	15.7	58	2.6	338	32
26/07/24 12:30	4	8	12	1	15.5	58	3.2	327	20
26/07/24 12:35	4	8	12	1	15.5	58	2.8	352	33
26/07/24 12:40	4	9	12	1	15.6	58	3.3	336	37
26/07/24 12:45	4	8	12	1	15.3	60	4.2	356	28
26/07/24 12:50	4	8	11	1	15.0	61	4.6	11	22
26/07/24 12:55	3	7	10	1	15.0	61	4.8	14	19
26/07/24 13:00	3	7	10	1	15.0	62	3.7	4	24
26/07/24 13:05	3	7	10	1	14.9	62	4.7	7	20
26/07/24 13:10	3	7	10	1	14.6	63	4.1	2	28
26/07/24 13:15	3	6	10	1	14.5	63	5.2	11	21
26/07/24 13:20	3	6	9	1	14.2	64	4.8	17	26
26/07/24 13:25	3	6	9	1	14.0	65	4.9	8	20
26/07/24 13:30	3	6	9	1	14.0	65	5.7	6	23
26/07/24 13:35	3	6	9	1	13.7	66	5.4	7	19
26/07/24 13:40	3	6	9	1	13.6	66	5.5	3	23
26/07/24 13:45	3	6	10	1	13.7	66	4.0	353	28
26/07/24 13:50	3	7	10	1	13.8	66	5.5	9	23
26/07/24 13:55	3	7	10	1	13.7	66	5.7	12	20
26/07/24 14:00	3	6	10	1	13.9	66	4.6	359	31
26/07/24 14:05	3	6	10	1	13.9	66	5.1	14	22
26/07/24 14:10	3	6	10	1	14.0	65	4.3	3	23
26/07/24 14:15	3	6	10	1	14.1	65	3.7	9	31
26/07/24 14:20	3	7	10	1	14.3	64	4.3	7	25
26/07/24 14:25	3	7	10	1	14.3	64	4.9	2	25
26/07/24 14:30	3	7	10	1	14.5	63	4.3	7	21
26/07/24 14:35	4	7	11	1	14.6	62	4.3	355	25
26/07/24 14:40	4	7	11	1	14.6	62	4.1	0	25
26/07/24 14:45	4	7	11	0	14.6	62	3.5	349	38
26/07/24 14:50	3	7	10	0	14.5	62	4.8	355	27
26/07/24 14:55	3	7	10	0	14.5	63	2.8	337	36
26/07/24 15:00	3	7	10	1	14.7	62	4.5	355	30
26/07/24 15:05	3	7	9	1	14.6	62	3.2	343	40
26/07/24 15:10	3	6	9	1	14.5	63	3.6	335	35
26/07/24 15:15	3	7	9	1	14.6	63	4.2	345	27
26/07/24 15:20	3	7	10	1	14.6	62	4.3	339	31
26/07/24 15:25	3	7	9	0	14.6	62	4.0	351	29
26/07/24 15:30	3	7	10	0	14.7	63	3.4	350	35
26/07/24 15:35	3	8	11	1	14.7	63	4.1	350	28
26/07/24 15:40	3	8	11	1	14.6	63	4.9	350	26
26/07/24 15:45	3	8	11	1	14.6	63	4.3	359	28
26/07/24 15:50	3	8	11	0	14.6	63	4.3	11	30
26/07/24 15:55	3	8	11	0	14.7	63	4.5	2	21
26/07/24 16:00	3	8	12	1	14.7	64	4.3	1	25
26/07/24 16:05	3	9	12	0	14.6	64	4.8	2	28
26/07/24 16:10	3	9	12	1	14.5	64	3.9	358	35
26/07/24 16:15	3	9	12	1	14.4	65	4.6	356	29
26/07/24 16:20	3	10	13	1	14.3	65	4.6	3	25

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/07/24 16:25	3	10	13	0	14.3	66	5.9	10	19
26/07/24 16:30	3	10	12	0	14.4	66	4.9	8	20
26/07/24 16:35	2	10	12	1	14.2	66	5.9	5	20
26/07/24 16:40	2	9	11	1	14.1	67	4.7	7	24
26/07/24 16:45	2	9	11	1	14.1	67	4.5	5	26
26/07/24 16:50	2	9	11	1	14.0	67	4.7	357	32
26/07/24 16:55	2	9	11	0	14.1	67	5.5	9	22
26/07/24 17:00	2	9	11	0	14.2	67	5.1	11	21
26/07/24 17:05	2	9	10	1	14.1	67	4.5	11	27
26/07/24 17:10	1	9	10	1	14.1	67	4.3	10	19
26/07/24 17:15	1	9	10	1	14.0	68	6.0	13	20
26/07/24 17:20	1	9	9	1	14.1	68	4.1	8	19
26/07/24 17:25	1	8	9	1	14.0	68	4.8	1	22
26/07/24 17:30	1	8	9	1	14.1	68	4.7	14	22
26/07/24 17:35	1	8	9	1	14.0	68	4.4	2	23
26/07/24 17:40	1	8	9	1	14.0	68	3.3	10	25
26/07/24 17:45	1	9	9	1	14.0	68	5.2	7	18
26/07/24 17:50	1	9	10	1	14.0	68	3.6	6	33
26/07/24 17:55	1	10	11	1	13.9	68	4.2	4	19
26/07/24 18:00	1	11	12	1	14.0	68	3.8	2	22
26/07/24 18:05	1	12	13	1	13.9	68	2.8	1	28
26/07/24 18:10	1	12	13	1	14.0	68	3.8	360	28
26/07/24 18:15	1	13	14	1	14.0	67	3.8	5	24
26/07/24 18:20	1	13	14	1	14.0	67	4.0	5	25
26/07/24 18:25	1	12	13	1	14.0	67	3.8	5	26
26/07/24 18:30	1	12	13	1	14.0	67	3.7	8	23
26/07/24 18:35	1	11	12	1	14.0	66	4.9	5	17
26/07/24 18:40	1	11	11	1	14.1	66	4.3	10	28
26/07/24 18:45	1	10	11	1	14.1	66	3.4	11	25
26/07/24 18:50	1	10	10	1	14.1	66	5.1	9	17
26/07/24 18:55	1	10	10	1	14.2	66	4.7	15	22
26/07/24 19:00	0	9	10	1	14.1	66	4.8	3	20
26/07/24 19:05	0	9	9	1	14.1	67	4.0	8	21
26/07/24 19:10	0	8	9	1	14.0	67	5.4	10	17
26/07/24 19:15	0	8	8	1	14.0	67	4.2	13	21
26/07/24 19:20	0	7	8	1	13.9	67	4.4	8	19
26/07/24 19:25	0	7	8	1	13.9	67	4.4	16	22
26/07/24 19:30	0	7	8	1	13.9	67	4.3	5	23
26/07/24 19:35	0	7	8	1	13.9	67	4.3	7	21
26/07/24 19:40	0	7	7	1	13.9	67	4.9	9	16
26/07/24 19:45	0	7	7	1	14.0	67	3.8	3	26
26/07/24 19:50	0	7	7	1	13.9	67	3.8	7	25
26/07/24 19:55	0	7	7	1	14.0	68	4.4	9	22
26/07/24 20:00	0	7	7	1	13.9	68	4.2	10	21
26/07/24 20:05	0	7	7	1	14.0	68	4.2	11	22
26/07/24 20:10	0	7	7	1	13.8	68	4.8	3	19
26/07/24 20:15	0	6	7	1	13.9	68	4.8	8	22
26/07/24 20:20	0	6	7	1	13.8	68	3.8	12	32
26/07/24 20:25	0	6	7	1	13.7	69	3.7	4	22
26/07/24 20:30	0	7	7	1	13.8	69	3.5	7	26
26/07/24 20:35	0	7	7	1	13.7	70	3.3	11	27
26/07/24 20:40	0	7	7	1	13.6	70	4.5	10	16
26/07/24 20:45	0	6	7	1	13.6	70	3.3	8	23
26/07/24 20:50	0	6	7	1	13.6	70	4.5	5	19
26/07/24 20:55	0	6	6	1	13.5	70	3.9	10	24
26/07/24 21:00	0	6	6	1	13.5	70	4.0	4	26
26/07/24 21:05	0	6	6	1	13.5	70	3.6	9	19
26/07/24 21:10	0	6	7	1	13.5	70	3.5	12	25
26/07/24 21:15	0	7	7	1	13.5	70	3.6	4	24
26/07/24 21:20	0	6	7	1	13.5	70	3.9	14	21
26/07/24 21:25	0	7	7	1	13.4	70	3.6	10	21
26/07/24 21:30	0	7	7	1	13.4	70	2.6	2	34
26/07/24 21:35	0	7	7	1	13.3	70	2.8	14	21
26/07/24 21:40	0	7	7	1	13.3	71	3.8	5	21
26/07/24 21:45	0	7	7	1	13.3	70	4.2	9	21
26/07/24 21:50	0	7	7	1	13.2	70	3.7	13	21
26/07/24 21:55	1	6	7	1	13.3	70	3.5	2	28
26/07/24 22:00	1	6	7	1	13.3	69	3.6	4	26
26/07/24 22:05	0	6	7	1	13.4	69	4.2	1	25
26/07/24 22:10	0	6	7	1	13.4	69	4.8	11	21
26/07/24 22:15	0	6	7	1	13.4	68	4.6	8	20
26/07/24 22:20	0	6	7	1	13.6	68	3.4	359	28
26/07/24 22:25	0	7	7	1	13.6	67	4.2	5	30
26/07/24 22:30	0	7	7	1	13.6	67	4.2	6	26
26/07/24 22:35	0	7	7	0	13.6	67	4.9	4	19
26/07/24 22:40	0	7	7	1	13.6	66	3.8	7	26
26/07/24 22:45	0	7	7	1	13.6	66	4.0	8	21
26/07/24 22:50	0	7	7	1	13.6	66	4.0	0	24
26/07/24 22:55	0	7	7	1	13.7	66	3.9	9	19
26/07/24 23:00	0	7	7	1	13.8	66	3.6	355	27
26/07/24 23:05	0	7	8	1	13.6	66	3.2	6	28
26/07/24 23:10	0	8	8	1	13.6	66	4.0	355	30
26/07/24 23:15	0	8	8	1	13.7	66	3.2	347	35
26/07/24 23:20	0	8	8	0	13.6	67	3.1	344	35
26/07/24 23:25	0	8	8	0	13.6	67	3.4	359	37
26/07/24 23:30	0	8	8	1	13.6	68	3.4	351	36

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/07/24 23:35	0	7	8	1	13.4	68	2.9	359	31
26/07/24 23:40	0	7	7	1	13.5	68	4.3	352	29
26/07/24 23:45	0	7	7	1	13.4	68	3.7	2	33
26/07/24 23:50	0	7	7		13.4	68	4.1	359	27
26/07/24 23:55	0	6	7		13.4	68	4.6	1	24
27/07/24 00:00	0	6	6	1	13.4	68	3.9	0	30
27/07/24 00:05	0	6	6	1	13.5	68	3.9	360	30
27/07/24 00:10	0	5	6	0	13.5	68	3.9	348	31
27/07/24 00:15	0	5	5	0	13.6	68	3.7	1	28
27/07/24 00:20	0	5	5	0	13.5	68	3.0	348	36
27/07/24 00:25	0	5	5	0	13.5	68	3.6	352	30
27/07/24 00:30	0	5	5	0	13.4	69	3.3	5	28
27/07/24 00:35	0	5	5	0	13.3	69	3.4	348	32
27/07/24 00:40	0	5	5	1	13.3	69	2.3	335	44
27/07/24 00:45	0	5	5	1	13.3	69	4.3	338	25
27/07/24 00:50	0	5	5	1	13.2	69	2.7	347	38
27/07/24 00:55	0	6	6	0	13.2	69	3.5	345	32
27/07/24 01:00	0	6	6	1	13.2	69	3.6	348	30
27/07/24 01:05					13.2	69	3.8	2	24
27/07/24 01:10					13.2	69	3.0	1	34
27/07/24 01:15					13.1	69	3.9	347	26
27/07/24 01:20					13.1	70	3.0	356	30
27/07/24 01:25					13.0	70	3.7	351	30
27/07/24 01:30					13.0	70	4.4	2	24
27/07/24 01:35					13.1	70	3.1	358	35
27/07/24 01:40					12.9	70	3.1	6	29
27/07/24 01:45					12.9	70	4.0	357	21
27/07/24 01:50					12.9	70	3.5	1	30
27/07/24 01:55					12.9	70	3.8	3	26
27/07/24 02:00					12.8	70	4.4	1	28
27/07/24 02:05	0	5	5	0	12.8	70	3.5	353	32
27/07/24 02:10	0	5	5	0	12.9	70	4.4	6	20
27/07/24 02:15	0	5	5	0	12.8	70	3.1	356	30
27/07/24 02:20	0	5	5	1	12.7	71	2.8	2	29
27/07/24 02:25	0	5	5	1	12.7	71	3.0	2	32
27/07/24 02:30	0	4	5	1	12.6	71	3.7	10	23
27/07/24 02:35	0	4	5	1	12.6	70	4.3	9	20
27/07/24 02:40	0	4	5	1	12.5	71	3.9	6	24
27/07/24 02:45	0	5	5	0	12.6	71	4.3	7	19
27/07/24 02:50	0	5	5	0	12.5	70	4.0	6	28
27/07/24 02:55	0	5	5	0	12.5	71	2.5	353	36
27/07/24 03:00	0	5	5	0	12.5	71	3.0	352	30
27/07/24 03:05	0	4	5	0	12.5	71	3.3	339	30
27/07/24 03:10	0	4	5	0	12.5	71	2.8	335	35
27/07/24 03:15	1	5	5	0	12.5	71	2.6	324	33
27/07/24 03:20	0	5	5	0	12.4	72	3.8	332	27
27/07/24 03:25	0	4	5	0	12.4	72	3.6	336	26
27/07/24 03:30	0	4	5	1	12.4	72	2.9	340	30
27/07/24 03:35	0	5	5	1	12.3	72	2.6	332	34
27/07/24 03:40	0	4	5	1	12.3	72	3.2	349	32
27/07/24 03:45	0	4	5	1	12.3	72	3.1	350	31
27/07/24 03:50	0	4	4	1	12.3	72	2.8	337	37
27/07/24 03:55	0	4	4	1	12.3	72	2.6	340	35
27/07/24 04:00	0	4	4	1	12.3	72	2.9	332	33
27/07/24 04:05	0	4	4	1	12.3	72	3.6	353	32
27/07/24 04:10	0	4	4	1	12.2	72	2.7	344	30
27/07/24 04:15	0	4	4	0	12.2	73	2.3	344	41
27/07/24 04:20	0	4	4	0	12.1	73	2.5	349	34
27/07/24 04:25	0	4	4	0	12.1	72	3.8	342	32
27/07/24 04:30	0	4	4	1	12.2	72	4.1	358	32
27/07/24 04:35	0	4	4	0	12.1	72	2.7	353	35
27/07/24 04:40	0	4	4	0	12.1	72	2.5	331	27
27/07/24 04:45	0	4	4	1	12.0	72	3.6	334	24
27/07/24 04:50	0	5	5	1	12.0	72	2.6	343	36
27/07/24 04:55	0	5	5	1	11.9	73	3.0	348	28
27/07/24 05:00	0	5	5	1	11.9	73	2.9	353	31
27/07/24 05:05	0	5	5	1	11.9	73	3.3	358	31
27/07/24 05:10	0	5	5	1	11.8	73	3.0	349	33
27/07/24 05:15	0	5	5	0	11.8	73	3.8	2	29
27/07/24 05:20	0	5	5	0	11.7	73	4.2	356	24
27/07/24 05:25	0	5	5	0	11.7	73	2.8	355	40
27/07/24 05:30	0	5	6	0	11.7	73	2.2	354	37
27/07/24 05:35	0	5	6	1	11.6	73	2.8	342	34
27/07/24 05:40	0	5	6	1	11.6	73	3.5	355	29
27/07/24 05:45	0	6	6	1	11.6	74	3.4	0	27
27/07/24 05:50	0	6	6	1	11.5	73	3.8	7	24
27/07/24 05:55	0	6	6	1	11.5	74	3.1	359	24
27/07/24 06:00	0	6	6	1	11.4	74	3.6	5	23
27/07/24 06:05	0	6	6	1	11.3	74	3.5	9	24
27/07/24 06:10	0	6	6	1	11.3	74	3.2	4	22
27/07/24 06:15	0	6	6	1	11.3	74	3.3	358	28
27/07/24 06:20	0	6	6	1	11.3	74	2.7	346	33
27/07/24 06:25	0	6	7	1	11.2	74	3.4	344	31
27/07/24 06:30	0	7	7	1	11.2	75	2.5	335	34
27/07/24 06:35	0	7	7	1	11.1	75	2.3	346	27
27/07/24 06:40	0	7	8	1	11.0	75	2.4	354	33

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/07/24 06:45	0	7	8	1	11.0	75	2.9	358	33
27/07/24 06:50	0	7	8	1	11.0	75	3.7	2	23
27/07/24 06:55	0	7	8	0	10.9	75	2.7	0	24
27/07/24 07:00	1	8	8	0	10.9	75	2.7	357	28
27/07/24 07:05	1	8	9	0	10.9	76	2.4	353	33
27/07/24 07:10	1	9	9	0	10.8	76	3.2	6	21
27/07/24 07:15	1	9	9	0	10.7	76	3.5	9	24
27/07/24 07:20	1	9	9	1	10.8	76	3.3	12	25
27/07/24 07:25	1	8	9	0	10.7	75	2.5	358	28
27/07/24 07:30	1	9	9	1	10.7	75	3.4	10	25
27/07/24 07:35	1	9	9	1	10.7	75	3.5	8	22
27/07/24 07:40	1	9	10	1	10.8	75	3.8	3	22
27/07/24 07:45	1	9	10	0	10.8	75	3.7	3	27
27/07/24 07:50	1	9	10	1	10.8	75	3.9	355	22
27/07/24 07:55	1	9	10	0	10.8	75	3.0	8	26
27/07/24 08:00	1	9	10	1	10.8	75	3.0	3	22
27/07/24 08:05	1	10	11	0	10.9	74	4.0	9	24
27/07/24 08:10	1	9	11	0	11.1	73	3.4	11	27
27/07/24 08:15	1	9	10	0	11.2	72	3.6	11	24
27/07/24 08:20	1	9	10	1	11.3	72	3.5	3	29
27/07/24 08:25	2	9	11	1	11.2	73	3.9	3	26
27/07/24 08:30	2	9	11	1	11.1	73	2.6	347	37
27/07/24 08:35	2	9	11	1	11.0	74	2.3	344	38
27/07/24 08:40	2	9	11	0	11.0	73	2.8	355	30
27/07/24 08:45	2	8	10	1	11.0	74	2.0	346	38
27/07/24 08:50	2	8	10	1	11.0	74	2.8	347	32
27/07/24 08:55	2	8	10	0	11.0	74	2.3	346	38
27/07/24 09:00	2	8	10	1	11.0	74	3.3	351	28
27/07/24 09:05	2	8	10	1	10.9	74	2.6	339	27
27/07/24 09:10	2	8	11	1	11.1	73	3.2	355	28
27/07/24 09:15	2	9	11	1	10.9	73	2.6	339	37
27/07/24 09:20	2	8	11	1	10.9	73	3.5	336	29
27/07/24 09:25	2	8	10	1	11.0	73	3.2	335	26
27/07/24 09:30	2	8	10	1	11.0	72	2.5	336	32
27/07/24 09:35	2	8	10	1	11.1	72	1.7	339	37
27/07/24 09:40	2	8	10	0	11.1	72	2.6	339	38
27/07/24 09:45	2	8	10	0	11.2	72	2.3	332	26
27/07/24 09:50	2	8	10	1	11.1	72	2.0	334	32
27/07/24 09:55	2	7	10	1	11.2	72	2.1	321	32
27/07/24 10:00	2	7	10	1	11.3	72	2.1	307	28
27/07/24 10:05	2	7	10	1	11.5	71	2.5	315	21
27/07/24 10:10	2	7	10	1	11.6	71	2.2	314	29
27/07/24 10:15	3	7	10	1	11.6	70	2.2	337	39
27/07/24 10:20	3	7	9	1	11.8	70	2.1	329	34
27/07/24 10:25	3	7	10	1	11.9	70	2.1	357	35
27/07/24 10:30	3	7	10	1	12.1	69	2.0	325	26
27/07/24 10:35	3	7	10	1	12.1	69	2.4	339	29
27/07/24 10:40	3	7	10	1	12.1	69	1.9	342	30
27/07/24 10:45	3	7	10	1	12.1	69	2.3	319	22
27/07/24 10:50	3	8	12	1	12.2	69	2.3	318	26
27/07/24 10:55	4	8	12	1	12.3	69	1.8	328	33
27/07/24 11:00	4	7	10	1	12.3	68	1.8	322	32
27/07/24 11:05	3	6	10	1	12.3	69	2.1	338	30
27/07/24 11:10	3	6	9	1	12.4	69	1.8	325	29
27/07/24 11:15	3	7	9	1	12.3	70	2.4	295	26
27/07/24 11:20	2	7	10	1	12.2	70	4.9	274	12
27/07/24 11:25	2	7	9	1	12.1	70	5.3	271	6
27/07/24 11:30	2	7	8	1	12.0	70	5.2	268	7
27/07/24 11:35	1	6	8	1	11.8	70	4.7	267	7
27/07/24 11:40	1	6	8	1	11.9	70	4.1	271	11
27/07/24 11:45	1	7	8	1	11.8	70	2.9	278	11
27/07/24 11:50	1	8	9	1	11.8	72	3.0	280	13
27/07/24 11:55	1	8	10	1	11.6	73	4.4	273	9
27/07/24 12:00	1	8	10	1	11.4	75	4.3	272	13
27/07/24 12:05	1	9	10	1	11.2	76	3.4	281	11
27/07/24 12:10	1	9	10	1	11.1	78	3.2	286	12
27/07/24 12:15	2	11	13	1	11.0	79	3.9	291	11
27/07/24 12:20	3	19	21	1	11.0	81	3.0	286	12
27/07/24 12:25	3	20	24	1	10.8	81	2.6	288	17
27/07/24 12:30	4	19	23	1	10.7	82	2.9	286	12
27/07/24 12:35	3	10	13	1	10.5	83	2.3	284	16
27/07/24 12:40	3	6	9	1	10.4	84	2.4	282	14
27/07/24 12:45	2	8	10	1	10.5	86	2.5	285	15
27/07/24 12:50	2	10	12	1	10.5	86	2.4	286	15
27/07/24 12:55	2	11	13	1	10.5	86	2.3	289	13
27/07/24 13:00	2	12	14	1	10.4	86	2.1	287	15
27/07/24 13:05	2	12	14	1	10.4	86	2.2	282	15
27/07/24 13:10	3	23	27	1	10.4	86	1.9	288	17
27/07/24 13:15	5	26	31	1	10.4	86	2.2	302	14
27/07/24 13:20	5	21	25	1	10.4	86	1.8	287	17
27/07/24 13:25	4	15	19	1	10.4	85	2.6	286	16
27/07/24 13:30	4	12	15	1	10.5	84	2.7	290	14
27/07/24 13:35	3	10	13	1	10.4	84	3.1	290	12
27/07/24 13:40	2	10	12	1	10.3	85	2.6	289	13
27/07/24 13:45	2	12	14	1	10.3	86	3.4	271	11
27/07/24 13:50	2	12	14	1	10.2	86	3.9	272	10

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/07/24 13:55	2	12	13	1	10.3	88	3.1	275	10
27/07/24 14:00	2	12	14	1	10.2	89	3.0	278	16
27/07/24 14:05	1	12	13	1	10.1	87	4.7	261	10
27/07/24 14:10	2	13	16	1	10.2	87	4.7	257	8
27/07/24 14:15	2	13	15	1	10.1	79	5.5	261	7
27/07/24 14:20	2	13	16	0	10.1	77	4.3	260	8
27/07/24 14:25	2	14	16	1	10.2	79	3.4	263	5
27/07/24 14:30	2	14	16	1	10.2	82	2.5	270	9
27/07/24 14:35	2	9	11	1	10.1	83	1.9	279	17
27/07/24 14:40	2	7	8	1	10.0	83	2.2	288	15
27/07/24 14:45	1	6	7	1	10.0	82	2.3	286	14
27/07/24 14:50	1	6	7	1	10.1	83	2.3	275	8
27/07/24 14:55	1	5	6	1	10.2	83	1.6	282	16
27/07/24 15:00	1	7	8	1	10.1	83	1.7	290	16
27/07/24 15:05	2	13	14	1	10.1	82	1.0	313	26
27/07/24 15:10	2	20	22	1	10.2	83	1.2	308	17
27/07/24 15:15	3	19	21	1	10.1	82	1.0	323	22
27/07/24 15:20	3	18	21	1	10.2	81	1.6	306	13
27/07/24 15:25	3	18	21	1	10.2	80	1.9	312	13
27/07/24 15:30	3	18	22	1	10.3	80	1.5	312	12
27/07/24 15:35	4	20	24	1	10.3	80	1.6	305	14
27/07/24 15:40	5	26	31	1	10.3	80	1.4	307	12
27/07/24 15:45	5	25	30	1	10.3	80	1.5	303	12
27/07/24 15:50	5	21	26	1	10.5	80	1.4	314	14
27/07/24 15:55	5	19	23	1	10.5	80	1.1	296	20
27/07/24 16:00	4	17	20	1	10.5	80	1.8	285	15
27/07/24 16:05	3	16	19	1	10.5	80	2.4	301	18
27/07/24 16:10	3	15	18	1	10.4	81	3.5	286	15
27/07/24 16:15	3	14	17	1	10.1	81	3.6	280	10
27/07/24 16:20	2	10	12	1	10.1	79	2.9	279	14
27/07/24 16:25	2	11	13	1	10.1	80	2.4	287	13
27/07/24 16:30	2	11	13	1	10.1	81	1.9	283	11
27/07/24 16:35	2	11	12	1	10.2	81	2.0	284	12
27/07/24 16:40	1	9	11	1	10.4	80	1.8	285	17
27/07/24 16:45	1	8	10	1	10.4	81	2.0	288	14
27/07/24 16:50	1	9	10	1	10.4	82	2.0	281	13
27/07/24 16:55	1	9	10	1	10.4	82	1.7	283	14
27/07/24 17:00	1	10	11	1	10.4	81	2.2	275	12
27/07/24 17:05	2	20	22	1	10.3	81	1.8	279	11
27/07/24 17:10	2	13	15	1	10.4	81	2.5	271	8
27/07/24 17:15	2	13	15	1	10.4	81	2.3	270	9
27/07/24 17:20	1	10	12	1	10.4	82	1.7	276	10
27/07/24 17:25	1	8	9	1	10.3	82	1.7	278	13
27/07/24 17:30	1	9	10	1	10.2	83	1.8	271	12
27/07/24 17:35	1	10	11	1	10.3	83	1.6	271	13
27/07/24 17:40	1	12	12	1	10.2	82	4.8	257	12
27/07/24 17:45	1	7	7	1	9.6	76	11.4	241	9
27/07/24 17:50	1	10	11	0	9.0	80	8.8	248	7
27/07/24 17:55	1	6	7	0	8.6	83	8.5	243	7
27/07/24 18:00	1	2	2	0	8.5	84	8.1	242	5
27/07/24 18:05	1	4	4	0	8.4	84	6.3	244	6
27/07/24 18:10	1	5	6	0	8.5	82	5.5	244	9
27/07/24 18:15	0	9	9	0	8.7	81	5.0	253	8
27/07/24 18:20	1	14	15	0	8.8	79	4.5	249	13
27/07/24 18:25	1	19	19	0	8.7	79	3.9	256	9
27/07/24 18:30	1	17	17	0	8.6	81	3.1	263	8
27/07/24 18:35	1	14	15	0	8.5	80	3.5	262	7
27/07/24 18:40	1	16	17	0	8.5	82	2.9	268	8
27/07/24 18:45	1	12	13	0	8.5	83	2.2	278	14
27/07/24 18:50	1	7	8	0	8.3	84	2.3	276	12
27/07/24 18:55	1	7	7	0	8.2	84	1.9	289	13
27/07/24 19:00	0	7	8	0	8.1	84	1.9	290	15
27/07/24 19:05	0	8	8	1	8.0	83	2.3	296	15
27/07/24 19:10	0	8	8	0	7.9	83	2.0	302	14
27/07/24 19:15	0	10	10	0	7.8	84	1.2	318	19
27/07/24 19:20	0	21	22	0	7.7	85	1.4	324	15
27/07/24 19:25	0	23	23	0	7.6	85	1.4	310	14
27/07/24 19:30	1	22	22	0	7.5	85	1.5	310	12
27/07/24 19:35	0	22	22	0	7.6	84	1.3	311	18
27/07/24 19:40	0	21	22	0	7.5	85	1.3	315	15
27/07/24 19:45	0	22	22	1	7.5	85	1.5	309	15
27/07/24 19:50	0	21	22	1	7.5	84	1.8	315	12
27/07/24 19:55	0	21	21	1	7.6	83	2.3	313	8
27/07/24 20:00	0	20	20	0	7.6	82	2.5	304	10
27/07/24 20:05	0	20	20	1	7.6	82	2.8	305	10
27/07/24 20:10	0	20	20	1	7.7	82	2.4	298	11
27/07/24 20:15	1	20	21	1	7.8	81	2.6	293	13
27/07/24 20:20	1	21	21	1	7.9	80	2.8	295	12
27/07/24 20:25	0	20	21	1	8.0	80	3.4	294	11
27/07/24 20:30	0	20	20	1	7.9	79	3.8	293	10
27/07/24 20:35	0	19	20	0	7.9	80	3.8	292	10
27/07/24 20:40	1	19	19	0	7.8	79	3.8	296	8
27/07/24 20:45	0	18	19	0	7.8	80	2.7	294	15
27/07/24 20:50	0	18	19	0	7.8	80	2.4	304	13
27/07/24 20:55	0	19	19	0	7.6	80	2.0	308	17
27/07/24 21:00	1	20	20	0	7.6	81	1.8	314	15

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/07/24 21:05	1	20	21	1	7.4	81	1.5	315	24
27/07/24 21:10	1	20	21	1	7.3	82	1.8	308	10
27/07/24 21:15	1	20	21	1	7.3	82	1.8	304	18
27/07/24 21:20	1	20	20	1	7.3	82	1.7	289	20
27/07/24 21:25	1	19	19	0	7.4	82	2.1	296	15
27/07/24 21:30	0	18	18	0	7.5	82	2.0	282	20
27/07/24 21:35	0	16	17	0	7.5	82	2.3	292	16
27/07/24 21:40	0	14	15	0	7.5	81	2.9	288	15
27/07/24 21:45	0	8	8	0	7.6	81	4.5	270	12
27/07/24 21:50	0	5	5	0	7.8	81	4.4	272	12
27/07/24 21:55	0	6	6	0	7.7	81	4.5	270	13
27/07/24 22:00	0	6	6	0	7.8	81	3.1	281	14
27/07/24 22:05	0	6	6	0	7.7	81	3.2	281	14
27/07/24 22:10	0	6	6	0	7.6	81	4.6	274	12
27/07/24 22:15	0	5	5	0	7.8	81	5.0	269	6
27/07/24 22:20	0	5	5	0	7.8	81	4.3	279	12
27/07/24 22:25	0	4	4	0	7.6	80	4.2	281	12
27/07/24 22:30	0	4	4	0	7.6	81	5.4	274	11
27/07/24 22:35	0	3	3	0	7.6	79	5.1	271	8
27/07/24 22:40	0	3	3	0	7.5	80	4.6	274	11
27/07/24 22:45	0	3	3	0	7.5	80	4.5	270	12
27/07/24 22:50	0	3	3	0	7.6	80	3.9	271	12
27/07/24 22:55	0	3	3	0	7.5	79	3.7	275	8
27/07/24 23:00	0	2	2	0	7.4	80	3.9	270	9
27/07/24 23:05	0	2	2	0	7.4	81	3.3	278	12
27/07/24 23:10	0	3	3	0	7.2	81	2.6	284	13
27/07/24 23:15	0	3	3	0	7.1	81	2.7	292	14
27/07/24 23:20	0	4	4	0	7.0	81	3.7	292	13
27/07/24 23:25	0	7	7	0	7.0	82	2.9	290	13
27/07/24 23:30	0	17	17	0	6.8	82	2.9	292	14
27/07/24 23:35	0	13	13	0	6.9	82	2.9	292	11
27/07/24 23:40	1	13	14	0	6.8	82	3.0	294	12
27/07/24 23:45	1	16	17	0	6.8	83	3.0	294	12
27/07/24 23:50	1	15	16		6.8	84	2.4	288	16
27/07/24 23:55	1	13	14		6.9	84	2.9	288	15
28/07/24 00:00	1	10	11	0	6.8	84	2.9	282	15
28/07/24 00:05	0	6	6	1	6.7	83	3.0	281	15
28/07/24 00:10	0	5	5	1	6.8	83	3.7	275	12
28/07/24 00:15	0	4	5	1	7.0	82	4.4	274	12
28/07/24 00:20	0	4	4	1	7.1	81	4.6	276	10
28/07/24 00:25	0	3	3	1	7.0	82	4.4	275	9
28/07/24 00:30	0	3	3	1	7.0	81	4.6	272	10
28/07/24 00:35	0	3	3	1	7.0	81	4.6	274	8
28/07/24 00:40	0	3	3	1	6.9	82	4.7	268	7
28/07/24 00:45	0	3	3	1	6.8	82	5.6	262	6
28/07/24 00:50	0	2	3	1	6.8	82	5.5	267	9
28/07/24 00:55	0	2	2	1	6.9	81	5.7	266	6
28/07/24 01:00	0	2	2	1	6.8	82	4.0	275	12
28/07/24 01:05					6.6	82	3.5	272	14
28/07/24 01:10					6.7	82	2.4	285	16
28/07/24 01:15					6.5	82	2.4	284	13
28/07/24 01:20					6.5	82	2.7	289	15
28/07/24 01:25					6.3	81	3.3	294	13
28/07/24 01:30					6.3	81	3.1	293	13
28/07/24 01:35					6.4	82	2.6	288	16
28/07/24 01:40					6.3	82	2.9	289	17
28/07/24 01:45					6.3	82	2.5	285	17
28/07/24 01:50					6.4	83	4.0	279	12
28/07/24 01:55					6.6	82	4.5	274	10
28/07/24 02:00					6.6	82	4.8	277	10
28/07/24 02:05	0	2	2	1	6.6	83	3.3	281	13
28/07/24 02:10	0	2	3	1	6.5	83	3.8	279	13
28/07/24 02:15	0	2	3	1	6.6	83	4.1	276	11
28/07/24 02:20	0	2	3	1	6.6	82	4.3	279	10
28/07/24 02:25	0	3	3	1	6.6	82	4.0	281	12
28/07/24 02:30	0	3	3	1	6.6	82	4.0	286	14
28/07/24 02:35	0	4	4	1	6.7	81	4.1	285	17
28/07/24 02:40	0	10	11	1	6.7	81	3.9	287	15
28/07/24 02:45	0	13	14	1	6.6	82	4.0	289	14
28/07/24 02:50	0	13	13	1	6.6	82	3.7	285	13
28/07/24 02:55	0	12	12	1	6.6	82	4.0	287	15
28/07/24 03:00	0	11	11	1	6.5	81	3.8	291	13
28/07/24 03:05	0	11	11	1	6.5	81	4.2	291	14
28/07/24 03:10	0	11	11	1	6.6	82	3.8	286	15
28/07/24 03:15	0	10	10	1	6.7	81	4.1	288	14
28/07/24 03:20	0	9	9	1	6.7	82	3.7	286	16
28/07/24 03:25	0	8	8	1	6.7	82	3.9	286	14
28/07/24 03:30	0	7	7	1	6.6	84	3.9	285	14
28/07/24 03:35	0	10	10	1	6.6	84	3.5	284	13
28/07/24 03:40	0	7	7	1	6.6	84	3.5	288	16
28/07/24 03:45	0	6	6	1	6.6	83	3.9	289	13
28/07/24 03:50	0	12	12	1	6.7	83	4.3	292	11
28/07/24 03:55	0	14	14	1	6.7	84	3.8	288	13
28/07/24 04:00	0	14	15	1	6.7	83	3.8	287	16
28/07/24 04:05	0	14	14	1	6.7	85	2.9	288	15
28/07/24 04:10	0	12	12	1	6.7	85	3.5	289	13

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/07/24 04:15	0	9	9	1	6.6	85	3.5	288	15
28/07/24 04:20	0	9	9	1	6.7	86	3.1	285	14
28/07/24 04:25	0	8	8	1	6.8	86	3.0	290	14
28/07/24 04:30	0	8	8	1	6.7	86	3.9	285	13
28/07/24 04:35	0	7	7	1	6.8	86	4.0	281	12
28/07/24 04:40	0	6	6	1	6.9	86	3.9	283	12
28/07/24 04:45	0	4	5	1	6.8	87	5.3	275	9
28/07/24 04:50	0	4	4	1	7.0	88	6.9	270	6
28/07/24 04:55	0	3	3	1	7.0	89	4.7	278	10
28/07/24 05:00	0	3	3	1	7.0	89	4.6	276	11
28/07/24 05:05	0	3	3	1	7.0	88	4.4	270	10
28/07/24 05:10	0	3	3	1	7.1	88	5.8	265	7
28/07/24 05:15	0	3	3	1	7.3	87	6.5	270	7
28/07/24 05:20	0	3	3	1	7.3	87	6.0	273	8
28/07/24 05:25	0	3	3	1	7.3	89	5.1	275	9
28/07/24 05:30	0	3	3	1	7.2	89	4.3	277	10
28/07/24 05:35	0	3	3	1	7.2	89	3.6	281	12
28/07/24 05:40	0	3	3	1	7.1	89	3.6	278	14
28/07/24 05:45	0	3	3	1	7.2	89	3.7	277	9
28/07/24 05:50	0	4	3	1	7.2	90	5.0	273	8
28/07/24 05:55	0	3	3	1	7.4	90	4.8	275	9
28/07/24 06:00	0	3	3	1	7.4	91	5.3	273	8
28/07/24 06:05	0	3	3	1	7.5	89	6.1	268	8
28/07/24 06:10	0	3	3	1	7.7	88	6.1	264	8
28/07/24 06:15	0	3	3	1	7.8	87	6.9	263	8
28/07/24 06:20	0	3	4	1	7.9	86	6.2	268	9
28/07/24 06:25	0	4	4	1	8.0	83	7.0	257	7
28/07/24 06:30	0	5	5	1	8.0	83	6.8	261	5
28/07/24 06:35	0	6	6	1	8.0	84	6.8	261	6
28/07/24 06:40	1	7	8	1	7.9	84	7.1	260	6
28/07/24 06:45	1	8	8	1	7.9	85	6.5	257	9
28/07/24 06:50	1	12	12	1	7.9	84	5.1	252	7
28/07/24 06:55	1	16	17	1	7.9	85	5.8	252	8
28/07/24 07:00	1	17	18	1	7.9	84	6.3	246	8
28/07/24 07:05	2	12	14	1	8.1	86	8.2	239	6
28/07/24 07:10	1	1	2	1	8.1	87	9.0	234	5
28/07/24 07:15	1	1	2	1	8.1	87	8.0	236	7
28/07/24 07:20	1	2	3	1	7.9	86	7.5	249	6
28/07/24 07:25	1	12	13	1	8.0	87	7.2	251	9
28/07/24 07:30	1	16	17	0	8.0	86	6.5	254	9
28/07/24 07:35	1	14	16	1	7.9	86	6.5	251	8
28/07/24 07:40	1	14	15	1	7.9	85	6.6	252	9
28/07/24 07:45	2	13	14	1	7.8	85	6.7	255	6
28/07/24 07:50	2	14	15	1	7.9	85	5.6	256	6
28/07/24 07:55	2	14	16	1	8.1	85	6.1	259	6
28/07/24 08:00	2	14	16	1	8.0	84	6.1	259	5
28/07/24 08:05	2	10	12	1	8.1	85	6.4	261	6
28/07/24 08:10	2	8	9	1	8.0	85	6.0	256	5
28/07/24 08:15	2	13	14	1	7.9	84	6.3	255	8
28/07/24 08:20	2	13	15	1	8.0	83	6.4	249	7
28/07/24 08:25	2	13	15	1	8.0	83	6.4	254	7
28/07/24 08:30	2	13	15	1	8.0	83	6.4	255	7
28/07/24 08:35	3	10	13	1	8.1	83	7.3	259	6
28/07/24 08:40	2	5	7	1	8.1	83	7.6	262	6
28/07/24 08:45	2	8	10	1	8.2	82	8.0	257	7
28/07/24 08:50	3	16	19	1	8.2	82	8.0	252	6
28/07/24 08:55	3	16	19	1	8.1	83	6.7	255	6
28/07/24 09:00	4	14	18	1	8.2	83	7.4	257	5
28/07/24 09:05	5	14	19	1	8.3	81	6.9	254	5
28/07/24 09:10	5	22	27	1	8.5	82	6.9	249	8
28/07/24 09:15	3	3	6	1	8.6	83	9.1	230	9
28/07/24 09:20	0	2	2	1	8.7	86	9.2	239	8
28/07/24 09:25	0	2	2	1	8.4	83	7.5	250	7
28/07/24 09:30	1	9	10	1	8.4	83	7.7	254	6
28/07/24 09:35	3	15	18	1	8.5	82	7.3	249	9
28/07/24 09:40	3	13	16	1	8.5	82	7.1	252	9
28/07/24 09:45	4	11	15	1	8.6	81	7.2	252	8
28/07/24 09:50	3	10	14	1	8.8	81	7.1	243	7
28/07/24 09:55	3	3	6	1	9.0	81	7.6	231	7
28/07/24 10:00				1	9.1	81	6.4	231	4
28/07/24 10:05	1	0	2	1	9.1	81	5.8	229	5
28/07/24 10:10	1	1	2	1	9.3	80	6.7	228	5
28/07/24 10:15	1	1	1	1	9.3	78	6.8	242	8
28/07/24 10:20	1	3	4	1	9.2	77	5.4	257	8
28/07/24 10:25	2	13	15	1	9.3	76	5.4	248	10
28/07/24 10:30	2	8	10	1	9.2	75	6.1	241	5
28/07/24 10:35	3	18	21	1	9.1	77	5.2	253	8
28/07/24 10:40	4	16	20	2	9.2	77	4.8	256	8
28/07/24 10:45	4	13	16	2	9.2	77	6.0	237	7
28/07/24 10:50	3	1	4	2	9.0	81	5.9	241	11
28/07/24 10:55	2	1	3	1	9.1	80	5.7	237	7
28/07/24 11:00	2	2	4	1	9.2	80	4.9	239	6
28/07/24 11:05	2	3	4	1	9.4	79	3.9	245	9
28/07/24 11:10	2	4	5	1	9.6	79	3.9	240	6
28/07/24 11:15	2	4	6	1	9.7	78	4.2	229	5
28/07/24 11:20	2	3	5	1	9.9	79	5.2	221	8

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/07/24 11:25	1	3	4	1	10.2	67	7.5	213	8
28/07/24 11:30	1	2	3	1	10.5	72	8.2	223	3
28/07/24 11:35	1	1	2	1	10.5	73	7.4	227	6
28/07/24 11:40	1	1	2	1	10.7	74	7.8	231	4
28/07/24 11:45	1	2	3	2	10.6	72	7.1	226	4
28/07/24 11:50	1	1	2	2	10.7	71	7.7	232	4
28/07/24 11:55	0	1	2	2	10.7	72	6.9	233	4
28/07/24 12:00	0	1	2	1	10.5	75	10.6	229	4
28/07/24 12:05	0	1	2	1	9.0	81	9.7	232	4
28/07/24 12:10	0	1	2	1	9.0	80	7.4	234	7
28/07/24 12:15	0	1	2	1	9.2	80	6.2	235	5
28/07/24 12:20	0	1	2	1	9.6	79	6.1	230	4
28/07/24 12:25	0	1	2	1	10.0	78	6.0	229	5
28/07/24 12:30	0	1	1	1	10.4	76	6.3	228	5
28/07/24 12:35	0	1	1	1	10.6	76	6.4	232	5
28/07/24 12:40	0	1	1	1	10.7	75	6.3	234	6
28/07/24 12:45	0	1	1	1	10.7	75	5.7	234	6
28/07/24 12:50	0	1	1	1	10.9	77	5.6	229	8
28/07/24 12:55	0	1	1	1	11.1	72	5.8	222	11
28/07/24 13:00	0	1	1	1	11.2	69	7.6	201	5
28/07/24 13:05	0	1	1	1	11.3	70	9.8	216	11
28/07/24 13:10	0	1	1	1	9.9	78	11.4	233	4
28/07/24 13:15	0	1	1	1	9.6	81	8.4	233	4
28/07/24 13:20	0	1	1	1	9.8	79	6.6	233	6
28/07/24 13:25	0	1	1	1	10.2	77	5.3	235	6
28/07/24 13:30	0	1	1	1	10.3	76	5.6	232	3
28/07/24 13:35	0	1	1	1	10.6	72	5.8	231	5
28/07/24 13:40	0	1	1	1	10.8	70	6.3	227	6
28/07/24 13:45	0	1	1	1	11.1	70	7.3	221	5
28/07/24 13:50	0	1	1	1	11.2	70	7.0	219	4
28/07/24 13:55	0	1	1	1	11.1	71	7.6	229	7
28/07/24 14:00	0	1	1	1	11.1	73	6.8	228	5
28/07/24 14:05	0	1	1	1	11.1	72	7.3	225	5
28/07/24 14:10	0	1	1	1	11.2	73	7.1	219	9
28/07/24 14:15	0	1	1	1	11.6	67	8.6	205	5
28/07/24 14:20	0	1	1	1	11.6	66	8.8	203	4
28/07/24 14:25	0	1	1	1	11.7	64	9.2	202	4
28/07/24 14:30	0	1	1	1	11.8	62	8.0	199	5
28/07/24 14:35	0	1	1	1	11.7	66	7.8	203	4
28/07/24 14:40	0	1	1	1	11.7	65	8.5	202	3
28/07/24 14:45	0	1	1	1	11.6	65	7.9	198	5
28/07/24 14:50	0	1	1	1	11.6	66	8.2	203	4
28/07/24 14:55	0	1	1	1	11.6	65	8.7	203	4
28/07/24 15:00	0	1	1	1	11.6	65	8.2	203	5
28/07/24 15:05	0	1	1	1	11.6	64	9.0	202	4
28/07/24 15:10	0	1	1	1	11.6	63	9.4	207	4
28/07/24 15:15	0	1	1	1	11.6	62	9.1	206	4
28/07/24 15:20	0	1	1	1	11.7	63	8.9	208	4
28/07/24 15:25	0	1	1	1	11.5	66	8.9	213	9
28/07/24 15:30	0	0	1	1	11.2	74	7.5	225	5
28/07/24 15:35	0	0	1	1	11.1	73	7.8	216	6
28/07/24 15:40	0	1	1	1	11.3	67	7.9	210	5
28/07/24 15:45	0	1	1	1	11.3	67	7.5	214	4
28/07/24 15:50	0	1	1	1	11.5	67	7.2	208	5
28/07/24 15:55	0	1	1	1	11.6	66	8.1	210	6
28/07/24 16:00	0	1	1	1	11.5	67	8.1	209	5
28/07/24 16:05	0	1	1	1	11.4	69	8.1	209	4
28/07/24 16:10	0	1	1	1	11.3	70	7.3	210	5
28/07/24 16:15	0	1	1	1	11.4	68	6.9	211	3
28/07/24 16:20	0	1	1	1	11.3	67	7.5	212	3
28/07/24 16:25	0	1	1	1	11.4	64	7.9	215	4
28/07/24 16:30	0	1	1	1	11.5	65	7.2	218	4
28/07/24 16:35	0	1	1	1	11.2	70	7.8	228	5
28/07/24 16:40	0	1	1	1	11.0	72	8.8	228	5
28/07/24 16:45	0	1	1	1	10.8	74	9.0	222	7
28/07/24 16:50	0	1	1	1	10.7	71	9.7	218	4
28/07/24 16:55	0	1	1	1	10.9	68	8.9	223	5
28/07/24 17:00	0	1	1	1	10.9	65	6.7	214	5
28/07/24 17:05	0	1	1	1	10.9	66	6.4	212	3
28/07/24 17:10	0	0	1	1	11.1	68	6.4	213	4
28/07/24 17:15	0	0	0	1	11.0	70	6.3	212	3
28/07/24 17:20	0	1	1	1	11.0	69	7.3	211	5
28/07/24 17:25	0	1	1	1	11.2	68	7.6	204	4
28/07/24 17:30	0	1	1	1	11.2	71	6.8	203	5
28/07/24 17:35	0	1	1	1	11.0	67	5.5	196	7
28/07/24 17:40	0	1	1	1	10.9	68	5.8	199	6
28/07/24 17:45	0	1	1	1	10.9	69	5.8	202	4
28/07/24 17:50	0	1	1	1	10.9	70	5.9	206	3
28/07/24 17:55	0	1	0	1	11.1	71	5.2	205	4
28/07/24 18:00	0	1	1	1	11.0	72	5.7	208	5
28/07/24 18:05	0	1	1	1	11.1	68	6.0	204	8
28/07/24 18:10	0	1	1	1	10.9	70	4.3	190	9
28/07/24 18:15	0	1	1	1	10.8	70	3.9	193	9
28/07/24 18:20	0	1	1	1	10.7	71	4.8	195	9
28/07/24 18:25	0	1	1	1	10.8	67	7.2	194	8
28/07/24 18:30	0	1	1	1	10.4	71	6.9	198	6

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/07/24 18:35	0	1	1	1	10.3	71	7.1	196	6
28/07/24 18:40	0	1	1	1	10.3	73	7.0	203	5
28/07/24 18:45	0	1	1	1	10.4	73	6.0	208	4
28/07/24 18:50	0	1	1	0	10.3	73	5.5	213	5
28/07/24 18:55	0	1	0	1	10.4	73	5.4	216	2
28/07/24 19:00	0	1	0	1	10.3	73	4.7	219	4
28/07/24 19:05	0	1	1	1	10.3	74	4.4	222	4
28/07/24 19:10	0	1	1	1	10.3	74	4.3	224	5
28/07/24 19:15	0	1	1	1	10.4	75	4.0	225	6
28/07/24 19:20	0	1	1	1	10.2	75	3.9	226	4
28/07/24 19:25	0	1	1	1	10.3	77	3.9	227	5
28/07/24 19:30	0	1	1	1	10.2	76	3.7	226	4
28/07/24 19:35	0	1	1	1	10.3	77	3.7	229	5
28/07/24 19:40	0	1	1	1	10.4	78	3.6	236	5
28/07/24 19:45	0	2	1	1	10.3	79	5.1	217	8
28/07/24 19:50	0	2	1	1	9.9	78	6.3	196	8
28/07/24 19:55	0	8	8	1	9.4	80	7.6	212	3
28/07/24 20:00	0	10	11	1	9.4	86	5.7	207	5
28/07/24 20:05	0	3	3	1	9.5	85	4.7	215	3
28/07/24 20:10	0	1	1	1	9.6	83	4.9	221	5
28/07/24 20:15	0	1	1	1	9.6	83	5.0	227	4
28/07/24 20:20	0	1	1	1	9.8	81	5.6	229	4
28/07/24 20:25	0	1	1	1	9.7	79	5.9	224	5
28/07/24 20:30	0	1	1	1	9.8	79	5.4	223	5
28/07/24 20:35	4	13	17	1	9.7	80	6.3	227	5
28/07/24 20:40	0	1	2	1	9.6	83	8.0	225	4
28/07/24 20:45	0	1	1	1	9.3	85	6.9	226	4
28/07/24 20:50	0	1	1	1	9.3	84	6.8	229	5
28/07/24 20:55	0	1	1	1	9.4	82	6.0	233	5
28/07/24 21:00	0	1	1	1	9.5	84	6.2	229	5
28/07/24 21:05	0	1	1	1	9.7	84	7.6	213	8
28/07/24 21:10	0	1	1	1	9.6	87	7.5	208	4
28/07/24 21:15	0	1	1	1	9.4	87	5.3	208	4
28/07/24 21:20	0	1	1	1	9.4	87	4.3	217	4
28/07/24 21:25	0	1	1	1	9.4	86	4.3	217	4
28/07/24 21:30	0	1	1	1	9.5	86	4.3	216	5
28/07/24 21:35	0	1	1	1	9.6	84	4.2	199	7
28/07/24 21:40	0	1	1	1	9.5	83	3.7	198	6
28/07/24 21:45	0	1	1	1	9.5	82	3.7	201	5
28/07/24 21:50	0	1	2	1	9.7	80	3.4	197	6
28/07/24 21:55	0	2	2	1	9.8	80	3.0	199	11
28/07/24 22:00	0	2	2	1	9.8	78	3.0	198	7
28/07/24 22:05	0	2	2	1	9.9	80	4.0	217	6
28/07/24 22:10	0	1	1	1	10.0	81	4.6	223	3
28/07/24 22:15	0	1	1	1	10.0	82	4.6	224	6
28/07/24 22:20	0	1	1	1	9.8	83	5.1	242	10
28/07/24 22:25	1	14	14	1	9.5	84	4.6	255	8
28/07/24 22:30	1	22	23	1	9.2	84	3.9	254	8
28/07/24 22:35	3	32	35	1	9.1	84	3.7	258	6
28/07/24 22:40	5	34	40	1	9.1	84	3.2	250	10
28/07/24 22:45	11	33	44	1	9.1	83	3.6	245	9
28/07/24 22:50	1	16	17	1	9.2	83	3.7	241	6
28/07/24 22:55	0	9	10	1	9.3	83	3.7	239	5
28/07/24 23:00	0	7	7	1	9.2	83	3.8	240	4
28/07/24 23:05	0	7	7	1	9.3	82	3.5	236	5
28/07/24 23:10	0	8	8	1	9.3	82	3.3	238	5
28/07/24 23:15	0	7	7	1	9.1	82	3.3	233	6
28/07/24 23:20	0	7	7	1	9.1	84	2.9	234	8
28/07/24 23:25	0	7	7	1	9.1	86	4.3	222	7
28/07/24 23:30	0	5	6	1	9.4	86	4.3	218	5
28/07/24 23:35	0	3	4	1	9.3	86	3.7	214	4
28/07/24 23:40	0	2	2	1	9.4	86	3.5	215	3
28/07/24 23:45	0	2	2	1	9.4	86	3.3	217	4
28/07/24 23:50	0	1	1		9.5	85	3.4	219	3
28/07/24 23:55	0	1	1		9.5	86	3.5	223	4
29/07/24 00:00	1	7	8	1	9.5	86	3.7	234	7
29/07/24 00:05	3	25	28	1	9.5	86	2.8	252	17
29/07/24 00:10	1	11	11	1	9.3	87	2.6	264	7
29/07/24 00:15	1	11	12	1	9.2	87	3.1	253	10
29/07/24 00:20	0	8	9	1	9.2	86	3.3	243	9
29/07/24 00:25	0	7	8	1	9.1	86	3.5	248	8
29/07/24 00:30	0	7	7	1	9.0	86	3.3	244	6
29/07/24 00:35	0	8	8	1	9.0	86	3.5	247	7
29/07/24 00:40	0	8	8	1	8.9	86	3.7	250	7
29/07/24 00:45	0	8	8	1	8.8	86	4.0	246	7
29/07/24 00:50	0	8	9	1	8.8	86	4.8	250	7
29/07/24 00:55	0	9	9	1	8.6	85	5.3	252	6
29/07/24 01:00	0	9	10	1	8.5	85	4.9	252	8
29/07/24 01:05					8.4	85	4.7	250	8
29/07/24 01:10					8.4	85	4.1	243	8
29/07/24 01:15					8.3	85	4.1	242	6
29/07/24 01:20					8.3	86	4.2	251	6
29/07/24 01:25					8.3	87	4.4	260	6
29/07/24 01:30					8.3	86	4.3	251	9
29/07/24 01:35					8.3	87	4.3	253	5
29/07/24 01:40					8.2	87	3.9	255	7

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/07/24 01:45					8.3	88	3.8	257	5
29/07/24 01:50					8.3	88	3.7	250	9
29/07/24 01:55					8.3	88	3.6	253	8
29/07/24 02:00					8.4	88	3.7	258	6
29/07/24 02:05	0	12	12	1	8.2	88	3.7	256	8
29/07/24 02:10	0	12	13	1	8.3	87	4.1	254	7
29/07/24 02:15	1	13	13	1	8.3	87	4.1	255	6
29/07/24 02:20	1	13	14	1	8.3	88	4.0	257	7
29/07/24 02:25	1	13	14	1	8.3	88	3.8	254	7
29/07/24 02:30	1	13	14	1	8.3	88	4.0	257	8
29/07/24 02:35	1	15	16	1	8.3	88	3.7	256	7
29/07/24 02:40	1	15	16	1	8.4	89	3.9	259	7
29/07/24 02:45	2	16	17	1	8.4	89	3.4	253	8
29/07/24 02:50	2	16	17	1	8.4	89	3.1	254	9
29/07/24 02:55	1	16	18	1	8.4	89	2.9	253	8
29/07/24 03:00	1	18	19	1	8.5	90	3.5	261	6
29/07/24 03:05	1	16	17	1	8.5	90	3.8	257	7
29/07/24 03:10	1	17	18	1	8.4	89	3.4	256	9
29/07/24 03:15	2	18	20	1	8.4	89	3.2	255	8
29/07/24 03:20	2	18	19	1	8.5	88	3.9	253	6
29/07/24 03:25	2	17	19	1	8.5	88	3.6	256	8
29/07/24 03:30	2	18	20	1	8.6	87	4.0	261	7
29/07/24 03:35	2	18	20	1	8.7	86	3.9	262	6
29/07/24 03:40	2	15	17	1	8.6	87	4.0	262	6
29/07/24 03:45	1	9	10	1	8.7	87	3.9	263	5
29/07/24 03:50	1	11	12	1	8.5	88	3.7	261	7
29/07/24 03:55	1	12	13	1	8.6	89	4.1	258	7
29/07/24 04:00	1	10	11	1	8.5	91	4.0	250	7
29/07/24 04:05	1	7	8	1	8.5	92	4.2	254	6
29/07/24 04:10	1	6	6	1	8.3	92	3.9	255	5
29/07/24 04:15	1	7	7	1	8.4	93	4.0	252	7
29/07/24 04:20	1	10	11	1	8.3	93	4.1	253	8
29/07/24 04:25	2	24	26	1	8.3	93	3.7	251	6
29/07/24 04:30	2	14	16	1	8.3	93	3.4	250	8
29/07/24 04:35	2	5	7	1	8.4	93	3.9	245	9
29/07/24 04:40	1	3	4	1	8.4	92	4.3	247	8
29/07/24 04:45	1	4	5	1	8.4	92	4.1	252	7
29/07/24 04:50	1	5	6	1	8.4	92	4.0	260	6
29/07/24 04:55	1	9	10	1	8.5	92	4.1	256	6
29/07/24 05:00	1	12	13	1	8.4	92	4.2	251	5
29/07/24 05:05	1	10	11	1	8.3	92	4.4	256	6
29/07/24 05:10	1	9	10	1	8.3	93	4.1	255	6
29/07/24 05:15	1	10	10	1	8.4	93	4.0	254	6
29/07/24 05:20	0	11	11	1	8.3	93	3.8	258	8
29/07/24 05:25	1	12	13	1	8.4	93	3.9	259	7
29/07/24 05:30	1	15	15	1	8.5	92	4.2	256	6
29/07/24 05:35	1	16	17	1	8.5	91	4.4	254	8
29/07/24 05:40	1	15	15	1	8.5	91	4.6	252	7
29/07/24 05:45	1	13	13	1	8.6	91	4.5	252	6
29/07/24 05:50	1	10	11	1	8.5	93	4.3	248	7
29/07/24 05:55	1	7	7	1	8.4	93	4.3	245	6
29/07/24 06:00	0	6	7	1	8.4	94	3.5	246	9
29/07/24 06:05	2	19	21	1	8.4	94	3.0	248	7
29/07/24 06:10	6	26	33	1	8.5	94	3.3	245	10
29/07/24 06:15	5	22	27	1	8.4	93	3.5	249	7
29/07/24 06:20	4	20	24	1	8.4	93	3.1	250	7
29/07/24 06:25	4	22	26	1	8.5	93	2.8	253	7
29/07/24 06:30	5	24	29	1	8.5	93	2.6	252	7
29/07/24 06:35	5	22	27	1	8.4	92	3.1	243	8
29/07/24 06:40	4	9	13	1	8.4	93	2.7	244	8
29/07/24 06:45	2	7	9	1	8.4	93	1.9	243	11
29/07/24 06:50	2	17	19	1	8.3	93	1.7	239	9
29/07/24 06:55	3	22	25	1	8.4	93	1.5	236	14
29/07/24 07:00	1	3	4	1	8.5	93	2.2	227	8
29/07/24 07:05	1	3	4	1	8.6	93	2.0	234	8
29/07/24 07:10	1	4	4	1	8.6	92	1.7	255	9
29/07/24 07:15	1	11	12	1	8.5	92	1.2	290	26
29/07/24 07:20	2	28	30	1	8.5	92	0.9	292	13
29/07/24 07:25	2	27	29	1	8.5	92	1.3	289	9
29/07/24 07:30	4	30	33	1	8.5	92	1.2	290	13
29/07/24 07:35	6	30	36	1	8.4	92	1.0	277	18
29/07/24 07:40	5	27	32	1	8.3	92	0.7	302	12
29/07/24 07:45	5	25	30	1	8.3	93	0.5	320	21
29/07/24 07:50	5	25	29	1	8.3	93	0.3	276	27
29/07/24 07:55	5	24	29	1	8.3	93	0.6	268	16
29/07/24 08:00	5	25	29	1	8.3	94	0.8	282	13
29/07/24 08:05	6	28	33	1	8.4	94	0.9	269	15
29/07/24 08:10	7	29	36	1	8.2	94	0.7	292	18
29/07/24 08:15	9	28	37	1	8.2	95	0.8	285	19
29/07/24 08:20	11	27	38	1	8.2	95	1.0	298	9
29/07/24 08:25	15	24	39	1	8.2	96	0.6	283	11
29/07/24 08:30	19	22	42	1	8.2	96	0.8	299	16
29/07/24 08:35	20	25	45	1	8.2	96	0.9	305	14
29/07/24 08:40	20	26	46	1	8.3	97	1.1	293	15
29/07/24 08:45	19	25	44	1	8.3	97	1.1	291	13
29/07/24 08:50	18	26	45	1	8.3	97	1.0	276	10

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/07/24 08:55	20	29	48	1	8.4	97	0.6	279	23
29/07/24 09:00	21	29	50	1	8.4	97	1.1	271	9
29/07/24 09:05	22	29	51	1	8.4	97	1.5	263	10
29/07/24 09:10	22	28	51	1	8.4	97	1.4	263	11
29/07/24 09:15	22	28	50	1	8.4	97	1.5	261	8
29/07/24 09:20	20	26	46	1	8.4	97	1.1	254	16
29/07/24 09:25	18	24	42	1	8.5	97	1.1	277	9
29/07/24 09:30	16	25	41	1	8.5	97	0.8	274	11
29/07/24 09:35	14	25	39	1	8.6	97	0.7	278	17
29/07/24 09:40	12	24	36	1	8.6	97	0.8	273	11
29/07/24 09:45	11	23	35	1	8.6	97	0.3	330	37
29/07/24 09:50	11	23	34	1	8.8	97	0.6	39	25
29/07/24 09:55	11	23	34	1	8.9	97	1.2	51	10
29/07/24 10:00	10	22	33	1	8.9	97	0.8	38	19
29/07/24 10:05	10	22	32	1	9.0	97	0.9	46	11
29/07/24 10:10	10	23	32	1	9.0	96	1.0	46	16
29/07/24 10:15	10	23	33	1	9.1	96	0.8	51	20
29/07/24 10:20	12	23	35	1	9.2	96	0.9	70	10
29/07/24 10:25	15	25	40	1	9.2	96	1.3	60	11
29/07/24 10:30	30	30	61	1	9.3	96	0.7	68	56
29/07/24 10:35	39	31	70	1	9.3	96	0.8	81	41
29/07/24 10:40	37	29	66	1	9.3	97	1.4	61	38
29/07/24 10:45	45	36	80	1	9.4	97	0.8	292	36
29/07/24 10:50	47	33	80	2	9.3	96	0.6	261	29
29/07/24 10:55	44	32	76	2	9.3	96	0.6	290	35
29/07/24 11:00	50	33	83	2	9.5	96	1.0	300	25
29/07/24 11:05	53	32	85	2	9.7	96	0.9	303	26
29/07/24 11:10	53	32	85	2	9.7	95	0.8	264	17
29/07/24 11:15	52	32	84	2	9.7	95	0.8	315	41
29/07/24 11:20	50	32	82	2	9.9	94	1.3	298	21
29/07/24 11:25	44	32	76	1	9.8	94	1.2	319	24
29/07/24 11:30	43	31	74	1	10.0	94	1.0	283	20
29/07/24 11:35	38	32	71	1	10.0	95	1.1	302	23
29/07/24 11:40	28	29	57	1	10.0	94	0.8	326	20
29/07/24 11:45	26	27	53	1	10.1	95	0.9	20	22
29/07/24 11:50	28	27	55	1	10.3	95	0.7	315	40
29/07/24 11:55	35	25	60	2	10.4	95	0.8	28	19
29/07/24 12:00	33	28	61	2	10.4	94	0.6	7	27
29/07/24 12:05	28	26	54	1	10.5	94	0.4	324	38
29/07/24 12:10	28	26	54	1	10.6	94	0.1	9	83
29/07/24 12:15	27	26	53	1	10.8	93	0.1	248	68
29/07/24 12:20	26	26	52	1	10.9	93	0.2	280	49
29/07/24 12:25	25	26	51	1	10.9	92	0.4	220	42
29/07/24 12:30	24	26	50	1	10.9	92	0.4	218	19
29/07/24 12:35	24	26	50	1	10.8	93	0.4	209	16
29/07/24 12:40	24	26	51	2	11.1	93	0.2	213	33
29/07/24 12:45	24	26	50	2	11.2	92	0.1	219	42
29/07/24 12:50	21	24	46	1	11.3	92	0.2	72	70
29/07/24 12:55	20	24	44	2	11.3	91	0.9	131	27
29/07/24 13:00	19	22	41	2	11.3	91	1.1	111	7
29/07/24 13:05	16	20	36	2	11.4	92	1.0	115	12
29/07/24 13:10	14	18	32	2	11.3	91	1.2	110	8
29/07/24 13:15	12	19	30	1	11.4	92	0.6	127	20
29/07/24 13:20	10	18	29	1	11.4	91	0.7	127	24
29/07/24 13:25	10	19	28	1	11.4	91	1.1	119	21
29/07/24 13:30	9	18	28	2	11.4	91	2.0	111	8
29/07/24 13:35	9	17	26	2	11.2	91	2.2	107	4
29/07/24 13:40	8	15	23	2	11.2	91	1.4	117	11
29/07/24 13:45	7	13	20	2	11.3	91	1.0	124	20
29/07/24 13:50	6	12	18	1	11.4	90	1.0	120	23
29/07/24 13:55	5	12	17	1	11.3	90	1.5	127	20
29/07/24 14:00	3	12	15	1	11.1	90	2.2	131	14
29/07/24 14:05	3	11	14	1	11.0	91	2.3	135	14
29/07/24 14:10	2	10	13	1	11.0	91	1.7	124	25
29/07/24 14:15	2	10	12	1	10.9	91	2.3	134	14
29/07/24 14:20	2	10	12	1	10.9	92	1.2	124	22
29/07/24 14:25	2	9	11	1	10.9	92	0.9	119	20
29/07/24 14:30	2	9	11	1	10.9	92	0.7	115	25
29/07/24 14:35	1	8	9	1	10.9	93	0.2	241	70
29/07/24 14:40	1	6	7	1	11.0	92	0.0	212	97
29/07/24 14:45	2	5	7	1	11.1	91	0.8	264	13
29/07/24 14:50	2	5	7	1	11.3	90	0.7	271	9
29/07/24 14:55	2	5	7	1	11.4	90	0.5	246	22
29/07/24 15:00	2	6	8	1	11.5	89	0.2	251	39
29/07/24 15:05	2	6	8	1	11.9	89	0.2	247	39
29/07/24 15:10	2	7	8	1	12.0	87	0.4	253	22
29/07/24 15:15	2	7	9	1	12.1	86	0.1	216	60
29/07/24 15:20	2	8	9	1	12.2	86	0.5	207	21
29/07/24 15:25	2	8	10	1	12.2	85	0.4	189	36
29/07/24 15:30	2	8	10	1	12.3	87	0.7	140	21
29/07/24 15:35	2	8	10	1	12.2	86	1.6	140	11
29/07/24 15:40	2	9	10	1	11.9	87	1.4	135	15
29/07/24 15:45	2	9	10	1	11.8	88	1.5	112	11
29/07/24 15:50	2	8	10	1	11.7	89	1.6	111	13
29/07/24 15:55	2	7	9	1	11.8	89	1.3	141	19
29/07/24 16:00	1	6	7	1	11.7	89	1.6	141	11

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/07/24 16:05	1	7	8	1	11.6	89	1.0	131	18
29/07/24 16:10	1	7	8	2	11.7	90	1.4	111	9
29/07/24 16:15	1	7	7	1	11.7	90	1.9	104	5
29/07/24 16:20	1	6	7	1	11.6	91	1.6	105	4
29/07/24 16:25	1	6	7	1	11.6	91	1.2	113	10
29/07/24 16:30	1	6	7	1	11.7	91	1.8	112	6
29/07/24 16:35	0	6	6	1	11.5	91	1.3	123	13
29/07/24 16:40	0	6	6	1	11.6	91	1.2	118	10
29/07/24 16:45	0	6	6	1	11.6	91	1.2	111	14
29/07/24 16:50	0	5	6	1	11.7	91	1.1	132	26
29/07/24 16:55	0	5	6	1	11.6	91	1.2	139	16
29/07/24 17:00	0	5	5	1	11.6	91	1.3	130	20
29/07/24 17:05	0	5	5	1	11.6	92	1.3	126	21
29/07/24 17:10	0	4	5	1	11.6	92	1.4	129	22
29/07/24 17:15	0	4	4	1	11.4	92	1.5	134	13
29/07/24 17:20	0	4	4	1	11.5	92	1.6	142	15
29/07/24 17:25	0	4	4	1	11.4	93	1.2	150	23
29/07/24 17:30	0	3	3	1	11.5	93	0.8	136	27
29/07/24 17:35	0	3	3	1	11.4	93	1.0	132	20
29/07/24 17:40	0	3	3	1	11.4	93	0.8	152	29
29/07/24 17:45	0	3	3	1	11.4	93	0.6	174	27
29/07/24 17:50	0	3	3	1	11.3	93	0.7	200	10
29/07/24 17:55	0	3	3	1	11.3	93	0.8	202	10
29/07/24 18:00	0	3	3	1	11.3	93	0.8	192	8
29/07/24 18:05	0	3	3	1	11.3	93	0.5	182	16
29/07/24 18:10	0	3	3	1	11.2	93	0.5	185	11
29/07/24 18:15	0	3	3	1	11.2	93	0.3	180	18
29/07/24 18:20	0	3	4	1	11.3	93	0.2	140	34
29/07/24 18:25	0	4	4	1	11.2	93	0.3	188	11
29/07/24 18:30	0	4	4	1	11.2	94	0.2	272	32
29/07/24 18:35	0	3	4	1	11.2	94	0.1	273	30
29/07/24 18:40	0	3	3	1	11.2	94	0.3	253	7
29/07/24 18:45	0	3	3	1	11.2	94	0.4	248	8
29/07/24 18:50	0	3	3	1	11.2	94	0.5	246	7
29/07/24 18:55	0	4	4	1	11.3	94	0.3	245	16
29/07/24 19:00	0	5	5	1	11.2	94	0.2	280	16
29/07/24 19:05	0	6	6	1	11.2	94	0.4	273	13
29/07/24 19:10	0	5	5	1	11.1	94	0.6	293	12
29/07/24 19:15	0	5	5	1	11.1	94	0.5	335	12
29/07/24 19:20	0	5	5	1	11.1	94	0.5	345	8
29/07/24 19:25	0	6	6	1	11.0	95	0.3	296	34
29/07/24 19:30	0	6	6	1	11.0	95	0.3	288	24
29/07/24 19:35	0	6	6	1	11.0	95	0.6	235	4
29/07/24 19:40	0	6	6	1	11.0	95	0.5	242	4
29/07/24 19:45	0	6	6	1	10.9	95	0.6	246	3
29/07/24 19:50	0	6	6	1	10.9	96	0.7	268	9
29/07/24 19:55	0	7	7	1	10.9	96	0.6	277	5
29/07/24 20:00	0	8	8	1	10.9	96	0.7	280	6
29/07/24 20:05	0	8	8	1	10.9	96	0.7	279	7
29/07/24 20:10	0	9	8	1	11.0	96	0.4	277	12
29/07/24 20:15	0	8	8	1	11.0	96	0.8	269	8
29/07/24 20:20	0	8	8	1	11.0	96	0.7	276	13
29/07/24 20:25	0	7	7	1	11.0	96	0.5	297	8
29/07/24 20:30	0	7	7	1	11.0	96	0.6	297	7
29/07/24 20:35	0	7	7	1	11.0	96	0.5	295	10
29/07/24 20:40	1	13	13	1	10.9	96	0.4	296	19
29/07/24 20:45	1	28	29	1	10.9	96	0.2	257	30
29/07/24 20:50	2	28	30	1	10.8	96	0.5	277	11
29/07/24 20:55	3	28	31	1	10.9	97	0.6	280	10
29/07/24 21:00	3	29	32	1	11.0	97	0.5	254	13
29/07/24 21:05	4	28	33	1	11.1	97	0.9	244	6
29/07/24 21:10	6	28	34	1	11.1	97	1.2	235	5
29/07/24 21:15	7	27	34	1	11.0	97	0.8	260	9
29/07/24 21:20	11	24	36	1	10.9	97	0.2	304	45
29/07/24 21:25	15	22	37	1	10.9	97	0.1	249	53
29/07/24 21:30	17	23	40	1	10.9	97	0.3	229	24
29/07/24 21:35	21	26	47	1	10.9	97	0.3	219	12
29/07/24 21:40	21	27	48	1	11.0	97	0.7	245	11
29/07/24 21:45	17	29	46	1	10.9	97	0.8	244	12
29/07/24 21:50	15	27	42	1	10.9	97	1.1	256	4
29/07/24 21:55	7	24	31	1	10.9	97	0.9	271	19
29/07/24 22:00	4	25	29	1	10.9	97	0.7	318	21
29/07/24 22:05	4	26	30	1	10.9	97	0.9	284	14
29/07/24 22:10	4	27	31	1	10.9	97	1.6	276	8
29/07/24 22:15	5	27	31	1	10.9	97	0.9	276	9
29/07/24 22:20	4	26	30	1	10.9	97	0.3	278	28
29/07/24 22:25	4	26	29	1	10.9	97	0.1	341	37
29/07/24 22:30	3	25	28	1	10.9	97	0.2	314	40
29/07/24 22:35	2	24	27	1	10.9	97	0.1	271	22
29/07/24 22:40	2	23	25	1	10.8	97	0.1	232	24
29/07/24 22:45	1	21	23	1	10.7	97	0.2	208	12
29/07/24 22:50	1	22	23	1	10.6	97	0.3	236	9
29/07/24 22:55	1	22	24	1	10.4	97	0.4	240	8
29/07/24 23:00	2	23	24	1	10.4	98	0.6	260	5
29/07/24 23:05	2	23	24	1	10.4	98	0.5	268	3
29/07/24 23:10	1	22	24	2	10.4	98	0.4	260	15

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/07/24 23:15	1	22	23	2	10.4	98	0.4	232	9
29/07/24 23:20	1	22	23	1	10.4	98	0.4	195	12
29/07/24 23:25	1	21	22	1	10.5	98	0.6	191	8
29/07/24 23:30	1	20	21	1	10.4	98	0.5	209	8
29/07/24 23:35	1	19	20	1	10.4	98	0.2	211	43
29/07/24 23:40	1	18	19	1	10.3	98	0.5	27	11
29/07/24 23:45	1	18	18	1	10.4	98	0.3	65	25
29/07/24 23:50	1	17	18		10.5	98	0.3	159	21
29/07/24 23:55	1	16	17		10.4	98	0.4	181	15
30/07/24 00:00	1	15	16	1	10.4	98	0.3	182	11
30/07/24 00:05	0	15	15	1	10.3	98	0.6	231	9
30/07/24 00:10	0	15	15	1	10.2	98	0.8	249	13
30/07/24 00:15	0	15	15	1	10.2	98	0.2	272	40
30/07/24 00:20	0	15	16	0	10.1	98	0.1	174	59
30/07/24 00:25	0	15	16	0	10.1	98	0.6	78	8
30/07/24 00:30	0	15	15	0	10.0	99	0.3	148	45
30/07/24 00:35	0	14	15	0	10.1	99	0.3	189	12
30/07/24 00:40	0	14	14	0	10.1	99	0.4	191	15
30/07/24 00:45	0	13	13	0	10.1	99	0.7	204	8
30/07/24 00:50	0	13	13	0	10.1	99	0.7	189	12
30/07/24 00:55	0	12	12	0	10.3	99	0.5	127	22
30/07/24 01:00	0	12	12	0	10.2	99	0.4	160	19
30/07/24 01:05					10.3	99	0.7	172	14
30/07/24 01:10					10.3	99	0.4	168	17
30/07/24 01:15					10.3	99	0.3	97	28
30/07/24 01:20					10.3	99	0.3	160	28
30/07/24 01:25					10.3	99	0.7	216	7
30/07/24 01:30					10.2	99	0.4	132	29
30/07/24 01:35					10.3	99	0.5	159	27
30/07/24 01:40					10.3	99	1.3	190	7
30/07/24 01:45					10.3	99	0.7	179	18
30/07/24 01:50					10.4	99	0.2	130	41
30/07/24 01:55					10.3	99	0.3	164	29
30/07/24 02:00					10.3	99	0.2	115	15
30/07/24 02:05	0	11	11	1	10.3	99	0.2	91	20
30/07/24 02:10	0	11	11	1	10.1	99	0.2	136	51
30/07/24 02:15	0	11	11	1	10.0	99	0.3	144	8
30/07/24 02:20	0	11	12	1	9.8	99	0.3	175	29
30/07/24 02:25	0	11	12	1	9.7	99	0.2	144	21
30/07/24 02:30	0	11	12	1	9.6	99	0.4	170	20
30/07/24 02:35	0	11	12	1	9.6	99	0.5	153	16
30/07/24 02:40	0	12	12	1	9.6	99	0.5	167	36
30/07/24 02:45	0	12	12	1	9.6	99	1.6	222	3
30/07/24 02:50	0	12	13	1	9.7	100	1.3	229	6
30/07/24 02:55	0	13	13	1	9.6	99	0.9	244	10
30/07/24 03:00	0	14	14	1	9.5	99	1.5	230	7
30/07/24 03:05	0	14	15	1	9.5	99	2.1	235	7
30/07/24 03:10	1	15	16	1	9.6	99	1.7	251	4
30/07/24 03:15	1	17	18	1	9.6	99	1.8	250	3
30/07/24 03:20	1	18	19	1	9.5	99	1.6	242	5
30/07/24 03:25	1	19	20	1	9.4	99	0.9	254	12
30/07/24 03:30	3	22	25	1	9.4	99	0.5	257	23
30/07/24 03:35	13	26	39	1	9.5	99	0.4	264	20
30/07/24 03:40	15	24	39	1	9.4	99	0.6	265	10
30/07/24 03:45	15	24	39	1	9.3	99	0.3	291	43
30/07/24 03:50	20	23	43	1	9.3	99	0.2	278	39
30/07/24 03:55	26	25	51	1	9.2	99	0.1	140	42
30/07/24 04:00	28	28	56	1	9.2	99	0.3	85	16
30/07/24 04:05	27	26	53	1	9.1	99	0.6	92	13
30/07/24 04:10	19	24	43	1	9.0	99	0.3	123	32
30/07/24 04:15	18	25	43	1	8.9	99	0.3	139	21
30/07/24 04:20	19	24	44	1	8.8	99	0.5	119	19
30/07/24 04:25	20	24	44	1	8.7	99	0.5	188	23
30/07/24 04:30	9	22	31	1	8.6	99	0.8	152	17
30/07/24 04:35	0	16	16	1	8.5	99	1.0	128	13
30/07/24 04:40	0	15	15	1	8.5	99	0.6	117	25
30/07/24 04:45	0	16	16	1	8.5	99	0.8	109	9
30/07/24 04:50	0	17	17	1	8.5	100	1.1	101	5
30/07/24 04:55	0	18	19	1	8.4	99	0.8	101	5
30/07/24 05:00	1	20	21	1	8.4	100	0.6	105	8
30/07/24 05:05	1	21	21	1	8.3	100	0.6	100	9
30/07/24 05:10	1	21	22	1	8.3	100	0.2	64	39
30/07/24 05:15	1	21	22	1	8.4	100	0.4	70	10
30/07/24 05:20	1	21	22	1	8.3	100	0.2	51	31
30/07/24 05:25	1	21	22	1	8.3	100	0.3	80	43
30/07/24 05:30	2	21	23	1	8.4	100	0.2	221	64
30/07/24 05:35	2	21	24	1	8.4	100	0.4	40	31
30/07/24 05:40	4	21	25	1	8.4	100	0.5	22	15
30/07/24 05:45	5	22	26	1	8.4	100	0.3	7	33
30/07/24 05:50	6	22	28	1	8.4	100	0.4	244	15
30/07/24 05:55	8	21	29	1	8.5	100	0.4	247	8
30/07/24 06:00	8	21	29	1	8.5	100	0.1	272	53
30/07/24 06:05	9	21	30	1	8.4	100	0.2	150	20
30/07/24 06:10	9	21	31	1	8.5	100	0.3	92	14
30/07/24 06:15	9	22	30	1	8.6	100	0.3	132	14
30/07/24 06:20	7	22	29	1	8.5	100	0.2	84	29

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/07/24 06:25	7	22	29	1	8.6	100	0.6	86	9
30/07/24 06:30	7	22	29	1	8.6	100	0.7	44	13
30/07/24 06:35	21	18	39	1	8.7	100	0.3	58	15
30/07/24 06:40	38	22	60	1	8.8	100	0.4	30	11
30/07/24 06:45	45	24	69	2	8.9	100	0.4	58	15
30/07/24 06:50	59	26	85	2	9.0	100	0.9	36	18
30/07/24 06:55	48	29	77	2	9.0	100	0.5	335	35
30/07/24 07:00	48	28	75	2	9.0	100	0.4	355	32
30/07/24 07:05	53	33	86	2	9.1	100	0.6	40	17
30/07/24 07:10	55	30	85	2	9.0	100	0.6	53	18
30/07/24 07:15	53	29	82	2	9.0	100	0.1	5	86
30/07/24 07:20	51	28	79	2	8.9	100	0.5	284	25
30/07/24 07:25	50	28	79	2	9.0	100	0.1	137	81
30/07/24 07:30	50	28	78	2	8.9	100	0.4	312	21
30/07/24 07:35	51	28	78	2	9.0	100	0.8	300	20
30/07/24 07:40	52	28	80	2	9.0	100	0.6	45	33
30/07/24 07:45	54	29	82	2	8.9	100	0.9	1	21
30/07/24 07:50	54	29	84	1	9.0	100	0.8	37	18
30/07/24 07:55	56	30	86	2	9.1	100	1.1	40	13
30/07/24 08:00	55	20	75	2	9.1	100	1.6	54	10
30/07/24 08:05	46	21	67	2	9.0	100	2.1	48	8
30/07/24 08:10	40	25	65	2	8.9	100	1.3	45	13
30/07/24 08:15	39	24	63	1	8.8	100	1.1	57	19
30/07/24 08:20	39	25	63	2	8.8	100	1.2	49	15
30/07/24 08:25	39	24	63	2	8.8	100	1.2	40	13
30/07/24 08:30	39	24	63	2	8.7	99	0.6	10	45
30/07/24 08:35	42	25	67	2	8.7	99	1.3	301	14
30/07/24 08:40	40	25	65	1	8.5	99	1.1	309	24
30/07/24 08:45	36	25	61	2	8.5	99	0.8	318	33
30/07/24 08:50	35	23	59	1	8.5	99	0.7	306	36
30/07/24 08:55	35	22	57	2	8.7	98	1.3	301	18
30/07/24 09:00	36	22	57	1	8.7	97	1.7	298	14
30/07/24 09:05	36	21	57	2	8.9	96	1.3	303	15
30/07/24 09:10	36	21	57	1	8.9	94	1.2	303	14
30/07/24 09:15	36	21	57	1	9.1	93	1.2	304	19
30/07/24 09:20	36	21	57	1	9.3	91	1.0	326	31
30/07/24 09:25	35	21	56	1	9.5	87	1.2	343	25
30/07/24 09:30	35	21	55	1	9.7	85	1.3	6	30
30/07/24 09:35	34	20	54	2	10.1	83	1.1	347	45
30/07/24 09:40	33	20	53	1	9.9	82	1.2	321	23
30/07/24 09:45	32	20	53	1	9.9	82	1.2	321	25
30/07/24 09:50	31	20	51	1	9.9	82	1.4	311	23
30/07/24 09:55	31	20	51	1	9.9	81	1.7	330	18
30/07/24 10:00	31	20	51	1	10.0	83	1.0	320	40
30/07/24 10:05	32	20	52	1	9.9	83	1.2	329	28
30/07/24 10:10	34	20	53	1	10.1	83	0.6	337	51
30/07/24 10:15	35	20	54	2	10.2	82	1.2	304	29
30/07/24 10:20	36	20	56	2	10.1	82	1.4	297	16
30/07/24 10:25	38	20	58	2	10.1	83	1.5	299	22
30/07/24 10:30	39	21	60	2	10.1	82	1.4	297	17
30/07/24 10:35	41	23	64	2	10.2	82	1.1	308	24
30/07/24 10:40	43	24	66	2	10.5	82	0.6	287	50
30/07/24 10:45	45	25	70	2	10.8	81	0.6	4	52
30/07/24 10:50	46	24	70	2	11.4	77	0.3	283	67
30/07/24 10:55	46	24	70	2	11.5	76	0.4	33	75
30/07/24 11:00	46	23	70	2	11.9	76	1.3	163	23
30/07/24 11:05	47	23	70	2	12.1	76	0.8	155	29
30/07/24 11:10	49	24	73	2	12.2	76	1.4	205	16
30/07/24 11:15	50	23	73	2	11.6	77	1.6	211	6
30/07/24 11:20	49	22	71	2	11.4	79	1.7	209	5
30/07/24 11:25	49	22	72	2	11.6	79	1.3	191	15
30/07/24 11:30	48	21	69	2	12.0	77	0.5	181	50
30/07/24 11:35	43	17	60	2	12.2	75	0.8	174	32
30/07/24 11:40	39	20	60	2	12.3	75	1.0	180	27
30/07/24 11:45	39	20	59	2	12.6	74	0.9	182	35
30/07/24 11:50	39	20	59	2	12.4	74	1.5	210	7
30/07/24 11:55	42	20	63	2	12.1	76	1.4	206	10
30/07/24 12:00	43	20	63	2	12.1	77	1.2	195	23
30/07/24 12:05	38	21	59	2	12.4	76	0.8	180	34
30/07/24 12:10	38	21	59	2	12.6	75	1.0	188	31
30/07/24 12:15	40	20	60	2	12.9	74	1.0	180	29
30/07/24 12:20	44	21	65	2	13.0	73	1.0	193	21
30/07/24 12:25	52	27	79	2	12.8	73	1.6	206	4
30/07/24 12:30	44	24	68	2	12.6	74	1.6	203	6
30/07/24 12:35	35	22	57	2	12.4	73	1.8	209	4
30/07/24 12:40	28	21	49	2	12.0	73	1.8	209	4
30/07/24 12:45	25	22	47	1	11.9	74	2.3	209	3
30/07/24 12:50	29	20	48	1	11.8	76	2.5	207	4
30/07/24 12:55	26	20	46	2	11.6	76	2.4	201	4
30/07/24 13:00	22	20	41	2	11.8	76	2.4	201	4
30/07/24 13:05	21	23	44	2	12.0	76	2.0	197	12
30/07/24 13:10	25	23	48	2	12.4	77	1.7	193	12
30/07/24 13:15	24	20	44	2	12.8	75	1.8	194	17
30/07/24 13:20	20	18	38	2	12.4	75	2.7	201	7
30/07/24 13:25	19	17	36	2	12.2	78	2.3	195	12
30/07/24 13:30	18	16	35	2	12.5	75	1.3	179	22

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/07/24 13:35	18	17	35	2	12.8	75	1.6	193	15
30/07/24 13:40	19	17	36	2	12.9	75	1.7	198	12
30/07/24 13:45	19	18	38	2	12.6	76	2.7	200	7
30/07/24 13:50	20	19	38	2	12.3	78	2.8	203	6
30/07/24 13:55	20	18	38	2	11.8	78	3.0	205	3
30/07/24 14:00	19	18	37	1	11.7	80	3.0	207	3
30/07/24 14:05	19	17	36	2	11.5	79	3.1	206	3
30/07/24 14:10	17	17	34	2	11.6	79	3.2	207	3
30/07/24 14:15	16	16	32	2	11.7	79	3.3	207	3
30/07/24 14:20	14	13	27	1	11.9	78	3.5	208	3
30/07/24 14:25	11	11	22	1	12.0	78	3.5	204	4
30/07/24 14:30	7	12	19	2	12.1	77	3.8	203	3
30/07/24 14:35	5	12	17	2	12.1	76	3.8	204	3
30/07/24 14:40	5	10	15	2	12.0	77	3.6	205	3
30/07/24 14:45	5	10	15	2	12.1	75	3.6	204	3
30/07/24 14:50	4	10	14	2	12.1	75	3.8	205	4
30/07/24 14:55	4	10	14	1	12.0	75	3.8	208	4
30/07/24 15:00	4	9	13	1	12.1	75	3.8	206	4
30/07/24 15:05	4	9	12	1	12.0	75	3.7	203	4
30/07/24 15:10	4	9	12	1	12.1	76	3.4	204	4
30/07/24 15:15	3	9	12	1	12.2	75	3.6	202	3
30/07/24 15:20	4	9	13	1	12.4	76	2.9	198	7
30/07/24 15:25	4	10	13	1	12.7	75	2.9	197	11
30/07/24 15:30	4	11	15	1	12.8	74	1.9	190	14
30/07/24 15:35	5	12	16	1	13.1	72	1.7	190	12
30/07/24 15:40	5	12	17	1	13.3	71	1.8	194	13
30/07/24 15:45	4	12	16	1	13.0	72	3.1	202	5
30/07/24 15:50	5	13	18	1	12.4	75	3.3	204	5
30/07/24 15:55	5	12	17	0	12.2	76	3.4	203	4
30/07/24 16:00	4	11	15	1	12.2	76	3.4	205	5
30/07/24 16:05	4	11	15	1	12.2	77	3.2	209	4
30/07/24 16:10	3	12	15	1	12.2	77	3.4	211	4
30/07/24 16:15	3	12	15	1	12.2	77	3.5	212	4
30/07/24 16:20	3	12	15	1	12.2	77	3.5	211	4
30/07/24 16:25	4	25	29	1	12.2	78	3.7	208	4
30/07/24 16:30	10	19	29	1	12.2	79	3.8	210	4
30/07/24 16:35	3	10	13	1	12.1	79	3.9	210	3
30/07/24 16:40	2	10	12	0	12.1	80	4.0	206	5
30/07/24 16:45	2	12	14	1	12.1	80	3.7	206	4
30/07/24 16:50	2	12	13	0	12.0	80	3.9	201	4
30/07/24 16:55	2	9	11	1	12.0	80	3.4	200	5
30/07/24 17:00	2	9	10	0	12.2	80	2.4	197	7
30/07/24 17:05	1	9	11	0	12.3	79	2.0	190	14
30/07/24 17:10	1	10	11	0	12.3	79	2.5	191	14
30/07/24 17:15	1	12	13	0	12.1	79	2.5	191	13
30/07/24 17:20	1	14	16	0	12.0	79	2.4	195	9
30/07/24 17:25	1	13	14	0	11.9	80	2.4	194	10
30/07/24 17:30	1	11	12	0	11.9	80	2.3	194	12
30/07/24 17:35	1	11	11	0	11.7	82	2.7	194	7
30/07/24 17:40	1	10	11	0	11.6	82	2.4	191	11
30/07/24 17:45	1	10	10	0	11.5	82	2.5	193	12
30/07/24 17:50	0	10	11	0	11.5	83	2.6	193	8
30/07/24 17:55	0	11	11	1	11.4	83	2.6	193	8
30/07/24 18:00	0	10	11	1	11.3	83	2.5	195	10
30/07/24 18:05	0	10	10	1	11.3	83	2.1	193	9
30/07/24 18:10	1	12	13	1	11.3	83	2.1	201	10
30/07/24 18:15	1	13	15	1	11.2	83	2.3	191	10
30/07/24 18:20	0	9	10	1	11.2	84	1.9	198	10
30/07/24 18:25	1	14	15	1	11.3	84	2.1	194	11
30/07/24 18:30	23	33	57	1	11.1	83	1.9	193	10
30/07/24 18:35	4	23	28	1	11.2	84	1.8	191	10
30/07/24 18:40	3	21	24	1	11.1	84	2.0	191	10
30/07/24 18:45	3	22	24	1	11.2	85	2.2	190	9
30/07/24 18:50	2	17	19	1	11.2	86	1.8	191	13
30/07/24 18:55	1	15	16	1	11.2	87	1.9	192	11
30/07/24 19:00	1	14	15	0	11.2	87	2.1	189	10
30/07/24 19:05	1	16	17	0	11.1	88	2.2	189	12
30/07/24 19:10	5	38	43	0	11.1	88	2.0	185	14
30/07/24 19:15	12	33	45	0	11.2	88	1.6	183	16
30/07/24 19:20	2	17	19	0	11.1	88	1.9	171	20
30/07/24 19:25	1	13	14	0	11.0	88	1.9	165	22
30/07/24 19:30	0	12	13	1	11.2	89	1.2	162	26
30/07/24 19:35	0	11	11	0	11.2	89	1.4	158	29
30/07/24 19:40	0	10	10	0	11.1	89	1.7	150	24
30/07/24 19:45	0	9	9	0	11.2	87	2.7	129	18
30/07/24 19:50	0	8	8	0	11.2	84	2.5	124	18
30/07/24 19:55	0	10	10	0	11.1	85	2.8	116	11
30/07/24 20:00	0	12	12	0	11.0	85	2.3	123	15
30/07/24 20:05	0	14	14	0	10.8	83	2.1	121	17
30/07/24 20:10	0	14	14	1	10.7	82	2.7	119	11
30/07/24 20:15	0	14	15	1	10.6	82	2.8	116	14
30/07/24 20:20	0	15	15	1	10.6	81	2.5	121	15
30/07/24 20:25	0	15	15	1	10.4	80	2.2	120	15
30/07/24 20:30	0	15	15	0	10.5	81	3.3	112	5
30/07/24 20:35	0	16	16	1	10.5	81	3.0	112	7
30/07/24 20:40	0	16	17	0	10.4	80	3.0	116	11

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/07/24 20:45	0	16	16	0	10.4	79	2.7	115	11
30/07/24 20:50	0	15	15	1	10.2	79	3.3	115	8
30/07/24 20:55	0	14	14	1	10.2	80	2.5	109	10
30/07/24 21:00	0	14	14	1	10.0	79	2.8	101	6
30/07/24 21:05	0	14	14	1	9.8	79	2.7	101	5
30/07/24 21:10	0	14	14	1	9.8	80	2.6	105	8
30/07/24 21:15	0	15	15	1	9.8	80	2.3	103	8
30/07/24 21:20	0	15	15	1	9.7	81	2.4	106	9
30/07/24 21:25	0	16	16	0	9.7	80	2.4	105	8
30/07/24 21:30	0	16	16	0	9.6	80	2.7	106	9
30/07/24 21:35	0	17	17	0	9.6	80	2.1	104	13
30/07/24 21:40	0	17	17	0	9.4	80	1.8	97	7
30/07/24 21:45	0	18	18	0	9.2	80	2.0	98	6
30/07/24 21:50	0	18	19	0	9.2	81	2.3	102	7
30/07/24 21:55	0	19	19	0	9.3	81	2.1	105	5
30/07/24 22:00	0	19	19	0	9.2	81	1.9	100	5
30/07/24 22:05	0	19	19	0	9.1	81	1.6	104	6
30/07/24 22:10	0	19	19	1	9.1	81	1.5	104	9
30/07/24 22:15	0	19	19	0	9.1	80	1.8	107	8
30/07/24 22:20	0	19	19	0	9.1	81	1.6	108	7
30/07/24 22:25	0	19	19	0	9.1	81	1.5	106	7
30/07/24 22:30	0	19	19	0	8.9	81	1.3	105	7
30/07/24 22:35	0	19	19	0	8.7	81	0.9	106	9
30/07/24 22:40	0	19	19	0	8.7	81	0.9	104	8
30/07/24 22:45	0	18	19	0	8.5	81	1.0	100	8
30/07/24 22:50	0	18	18	0	8.5	82	0.7	106	9
30/07/24 22:55	0	18	18	0	8.3	82	0.3	117	13
30/07/24 23:00	0	17	18	0	8.3	83	0.4	109	11
30/07/24 23:05	0	17	17	0	8.2	83	0.3	178	39
30/07/24 23:10	0	17	17	0	8.2	83	0.7	103	10
30/07/24 23:15	0	17	18	0	8.0	84	0.7	108	14
30/07/24 23:20	1	18	18	0	8.0	85	0.8	116	18
30/07/24 23:25	0	18	18	0	8.0	85	0.6	123	26
30/07/24 23:30	0	18	18	0	8.0	86	0.9	127	16
30/07/24 23:35	0	19	19	0	8.1	87	1.0	131	13
30/07/24 23:40	0	21	21	0	8.3	86	1.0	133	15
30/07/24 23:45	1	23	23	0	8.5	86	1.2	129	12
30/07/24 23:50	1	25	26		8.5	85	0.8	148	27
30/07/24 23:55	1	28	29		8.5	86	0.5	182	21
31/07/24 00:00	1	28	29	1	8.4	87	0.5	185	26
31/07/24 00:05	1	29	30	1	8.4	87	0.4	195	21
31/07/24 00:10	1	29	30	1	8.2	86	0.5	200	19
31/07/24 00:15	2	28	30	1	7.9	86	0.4	185	15
31/07/24 00:20	2	28	30	1	7.7	87	0.2	128	64
31/07/24 00:25	2	27	29	1	7.6	89	0.2	270	19
31/07/24 00:30	3	27	30	1	7.5	90	0.8	272	10
31/07/24 00:35	13	33	46	1	7.8	92	1.0	284	15
31/07/24 00:40	34	28	61	1	7.9	92	1.1	287	20
31/07/24 00:45	34	26	60	1	7.7	91	1.4	289	17
31/07/24 00:50	43	23	65	1	7.7	91	1.2	290	18
31/07/24 00:55	46	28	74	2	7.5	91	1.3	299	11
31/07/24 01:00	50	29	79	2	7.3	90	1.4	305	15
31/07/24 01:05					7.0	90	0.9	331	17
31/07/24 01:10					6.8	91	1.4	309	13
31/07/24 01:15					6.8	92	1.1	312	14
31/07/24 01:20					6.7	92	1.0	309	15
31/07/24 01:25					6.7	93	1.7	305	8
31/07/24 01:30					6.7	93	1.6	305	9
31/07/24 01:35					6.8	93	1.4	294	14
31/07/24 01:40					6.7	93	1.5	305	11
31/07/24 01:45					6.6	93	1.2	314	12
31/07/24 01:50					6.6	93	1.0	330	17
31/07/24 01:55					6.2	93	0.8	352	20
31/07/24 02:00					5.9	93	1.0	346	15
31/07/24 02:05	60	25	85	1	6.0	95	1.0	320	15
31/07/24 02:10	49	27	76	1	6.2	95	1.3	325	12
31/07/24 02:15	48	26	74	1	6.3	95	1.2	325	13
31/07/24 02:20	39	29	67	1	6.4	95	1.8	310	8
31/07/24 02:25	35	27	62	1	6.5	94	1.5	314	9
31/07/24 02:30	39	25	64	1	6.5	94	1.5	313	12
31/07/24 02:35	36	26	63	1	6.4	94	1.9	310	9
31/07/24 02:40	36	26	63	0	6.5	93	1.5	318	11
31/07/24 02:45	40	24	63	0	6.5	93	1.4	318	13
31/07/24 02:50	44	22	66	1	6.3	93	1.7	318	10
31/07/24 02:55	39	24	64	1	6.3	94	1.8	320	14
31/07/24 03:00	53	23	76	1	6.2	93	1.0	344	14
31/07/24 03:05	77	24	100	1	6.0	93	1.4	357	11
31/07/24 03:10	85	28	112	1	5.8	94	1.5	357	7
31/07/24 03:15	80	25	105	1	5.8	94	1.6	348	9
31/07/24 03:20	72	25	97	1	5.8	95	1.4	351	12
31/07/24 03:25	66	27	94	1	5.8	94	1.7	356	13
31/07/24 03:30	60	27	87	1	5.7	94	1.8	355	10
31/07/24 03:35	57	24	81	1	5.6	95	1.6	352	12
31/07/24 03:40	57	24	81	1	5.7	95	1.8	348	11
31/07/24 03:45	56	24	80	1	5.6	95	1.5	348	10
31/07/24 03:50	56	24	80	1	5.6	95	1.6	351	11

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/07/24 03:55	55	23	77	1	5.6	95	1.7	354	9
31/07/24 04:00	53	22	75	1	5.6	95	1.8	347	8
31/07/24 04:05	51	21	73	1	5.5	95	1.2	355	19
31/07/24 04:10	51	22	72	1	5.4	95	1.5	353	13
31/07/24 04:15	49	22	71	1	5.5	95	1.6	356	12
31/07/24 04:20	45	24	69	1	5.4	95	1.5	358	7
31/07/24 04:25	46	24	70	1	5.4	95	1.7	360	5
31/07/24 04:30	50	21	71	1	5.3	95	1.7	4	4
31/07/24 04:35	54	21	75	1	5.4	95	1.3	1	8
31/07/24 04:40	54	21	75	1	5.3	95	1.4	2	6
31/07/24 04:45	54	22	76	1	5.3	95	1.1	2	5
31/07/24 04:50	55	22	77	1	5.3	95	0.9	350	17
31/07/24 04:55	56	22	78	1	5.4	95	0.7	353	20
31/07/24 05:00	56	22	79	1	5.4	95	1.0	358	8
31/07/24 05:05	56	23	78	1	5.5	95	1.1	1	5
31/07/24 05:10	55	23	78	1	5.5	95	1.0	3	16
31/07/24 05:15	54	23	77	1	5.5	95	1.2	2	5
31/07/24 05:20	54	23	77	1	5.6	95	1.2	4	6
31/07/24 05:25	54	23	77	1	5.6	95	1.0	359	7
31/07/24 05:30	55	23	78	1	5.7	95	1.0	4	7
31/07/24 05:35	57	23	80	1	5.7	95	0.7	4	13
31/07/24 05:40	57	23	81	1	5.8	95	1.0	4	14
31/07/24 05:45	58	23	82	1	5.8	94	0.4	360	19
31/07/24 05:50	59	24	83	1	5.9	94	0.6	11	10
31/07/24 05:55	59	24	83	1	6.0	94	0.6	22	13
31/07/24 06:00	57	24	81	1	6.0	95	0.7	2	12
31/07/24 06:05	58	24	82	1	6.2	95	0.6	329	41
31/07/24 06:10	55	24	79	1	6.2	95	0.7	317	21
31/07/24 06:15	46	26	72	1	6.3	95	0.7	324	21
31/07/24 06:20	39	26	65	1	6.2	95	0.9	10	16
31/07/24 06:25	30	25	55	1	6.2	95	1.2	20	11
31/07/24 06:30	33	24	57	1	6.0	96	1.1	41	12
31/07/24 06:35	39	23	62	1	5.9	96	0.7	35	13
31/07/24 06:40	42	24	66	1	6.0	96	0.7	38	13
31/07/24 06:45	46	23	69	0	6.0	96	0.1	50	92
31/07/24 06:50	47	23	70	0	6.2	96	0.8	303	16
31/07/24 06:55	47	22	70	0	6.1	96	0.7	312	14
31/07/24 07:00	49	22	71	0	6.0	95	0.7	324	19
31/07/24 07:05	50	22	72	0	6.0	95	0.7	321	14
31/07/24 07:10	50	23	73	0	6.0	95	0.2	75	69
31/07/24 07:15	49	23	72	0	6.0	95	0.3	89	61
31/07/24 07:20	50	23	73	0	6.0	95	0.4	54	17
31/07/24 07:25	51	23	74	1	5.9	95	0.4	59	24
31/07/24 07:30	52	23	75	1	6.0	96	0.5	45	33
31/07/24 07:35	52	23	75	1	6.0	96	1.0	84	17
31/07/24 07:40	47	24	71	0	6.1	95	1.8	98	9
31/07/24 07:45	32	22	54	0	6.0	96	1.5	102	10
31/07/24 07:50	30	21	52	0	6.0	96	0.8	110	17
31/07/24 07:55	31	21	52	0	6.1	96	0.7	126	20
31/07/24 08:00	31	21	52	0	6.1	96	0.9	141	23
31/07/24 08:05	31	21	52	1	6.1	95	1.6	112	19
31/07/24 08:10	31	21	52	1	6.0	95	0.8	105	13
31/07/24 08:15	33	21	55	1	6.1	95	0.3	112	38
31/07/24 08:20	40	19	59	1	6.1	95	0.7	38	16
31/07/24 08:25	42	20	63	1	6.1	94	1.0	42	23
31/07/24 08:30	43	21	64	1	6.1	94	1.2	47	23
31/07/24 08:35	42	21	63	1	6.1	94	0.7	347	30
31/07/24 08:40	42	21	63	1	6.2	94	0.9	80	33
31/07/24 08:45	43	22	65	1	6.3	94	1.2	66	26
31/07/24 08:50	44	24	68	1	6.2	93	0.4	10	37
31/07/24 08:55	47	24	71	1	6.2	93	0.6	319	19
31/07/24 09:00	54	24	79	1	6.2	93	0.4	272	35
31/07/24 09:05	60	22	82	1	6.3	93	0.5	245	42
31/07/24 09:10	59	23	82	1	6.5	93	0.4	48	30
31/07/24 09:15	59	23	83	1	6.5	92	1.2	318	23
31/07/24 09:20	57	25	82	1	6.3	92	0.4	326	34
31/07/24 09:25	57	24	82	1	6.4	93	0.6	262	17
31/07/24 09:30	85	14	99	1	6.5	92	0.9	261	14
31/07/24 09:35	103	24	126	1	6.6	93	0.7	279	26
31/07/24 09:40	103	27	130	1	6.6	93	0.8	293	20
31/07/24 09:45	102	28	130	1	6.5	92	0.9	317	17
31/07/24 09:50	103	28	131	1	6.6	92	0.9	249	27
31/07/24 09:55	102	28	131	1	6.7	92	1.3	255	9
31/07/24 10:00	103	28	131	1	6.6	92	1.3	256	13
31/07/24 10:05	104	28	132	1	6.6	92	1.9	260	9
31/07/24 10:10	106	28	134	1	6.7	93	1.8	254	8
31/07/24 10:15	107	28	135	2	6.7	93	1.1	267	23
31/07/24 10:20	107	28	135	2	6.7	92	1.2	264	23
31/07/24 10:25	106	28	134	1	6.6	92	1.4	278	14
31/07/24 10:30	103	27	131	1	6.7	92	1.3	295	24
31/07/24 10:35	100	28	128	1	6.7	91	1.0	256	23
31/07/24 10:40	98	28	126	1	6.7	91	1.3	263	21
31/07/24 10:45	97	28	125	1	6.8	92	1.0	266	20
31/07/24 10:50	95	29	123	1	6.7	91	1.6	260	12
31/07/24 10:55	92	28	121	1	6.6	92	1.8	260	10
31/07/24 11:00	88	29	117	1	6.5	91	1.7	264	8

Station Pier Ambient Air Quality Monitoring

July 2024

5-Minute Data

Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/07/24 11:05	81	31	113	1	6.6	92	1.8	262	11
31/07/24 11:10	81	29	110	1	6.7	92	1.7	267	15
31/07/24 11:15	82	29	110	1	6.7	91	0.9	275	23
31/07/24 11:20	82	28	110	2	6.7	91	1.7	260	11
31/07/24 11:25	82	28	110	2	6.8	91	2.2	251	10
31/07/24 11:30	83	28	111	2	6.8	90	1.7	265	19
31/07/24 11:35	82	28	111	2	6.8	89	1.3	279	14
31/07/24 11:40	82	28	110	1	6.8	89	0.8	254	36
31/07/24 11:45	81	28	109	1	6.9	88	0.8	191	23
31/07/24 11:50	81	28	110	1	7.2	87	0.7	309	29
31/07/24 11:55	81	28	109	2	7.2	86	0.4	336	47
31/07/24 12:00	82	28	110	2	7.4	86	0.6	321	38
31/07/24 12:05	83	28	111	2	7.5	85	0.8	352	28
31/07/24 12:10	84	28	112	1	7.6	85	0.9	10	22
31/07/24 12:15	98	31	130	1	7.6	85	0.4	96	52
31/07/24 12:20	108	31	139	2	7.8	85	0.7	139	28
31/07/24 12:25	108	31	139	2	8.0	84	0.9	121	18
31/07/24 12:30	100	34	134	2	8.0	82	0.7	148	26
31/07/24 12:35	95	33	128	2	8.0	82	0.7	247	34
31/07/24 12:40	98	32	130	2	7.7	84	1.4	244	10
31/07/24 12:45	100	31	131	2	7.6	86	1.4	237	14
31/07/24 12:50	100	31	131	2	7.7	86	0.6	188	33
31/07/24 12:55	101	31	132	2	8.2	84	1.1	147	20
31/07/24 13:00	102	31	133	2	8.6	81	0.9	149	28
31/07/24 13:05	103	31	135	2	9.0	79	0.8	166	33
31/07/24 13:10	103	31	135	2	9.2	78	1.0	190	22
31/07/24 13:15	103	31	134	2	9.3	77	1.5	201	16
31/07/24 13:20	104	31	135	2	8.7	79	1.7	207	10
31/07/24 13:25	103	32	134	2	8.8	80	1.1	169	26
31/07/24 13:30	100	32	132	2	9.4	78	1.1	176	21
31/07/24 13:35	97	32	129	2	9.9	74	1.1	155	20
31/07/24 13:40	90	34	124	2	10.2	73	1.0	162	27
31/07/24 13:45	80	33	114	1	10.4	72	0.9	161	30
31/07/24 13:50	79	30	109	1	10.7	71	0.8	160	26
31/07/24 13:55	78	30	108	2	10.9	71	1.2	154	20
31/07/24 14:00	76	30	106	2	10.8	71	0.9	163	28
31/07/24 14:05	75	29	104	2	11.0	70	0.8	174	16
31/07/24 14:10	74	29	103	2	11.1	69	0.4	187	45
31/07/24 14:15	73	29	102	2	10.9	70	0.4	240	39
31/07/24 14:20	71	29	101	2	11.1	69	0.9	92	38
31/07/24 14:25	69	29	98	2	11.3	66	1.6	50	13
31/07/24 14:30	67	30	97	2	11.0	67	1.1	70	28
31/07/24 14:35	66	30	96	2	11.3	67	1.2	73	29
31/07/24 14:40	62	32	94	1	11.4	66	1.1	89	37
31/07/24 14:45	56	34	90	2	11.4	65	1.1	63	22
31/07/24 14:50	56	31	87	2	11.3	65	1.4	66	23
31/07/24 14:55	51	28	79	2	11.3	66	0.8	89	41
31/07/24 15:00	46	27	73	2	12.1	64	0.8	123	20
31/07/24 15:05	43	32	75	2	12.2	63	1.2	109	16
31/07/24 15:10	38	27	65	2	12.4	61	0.8	92	30
31/07/24 15:15	36	25	61	2	12.2	62	1.0	57	31
31/07/24 15:20	33	24	57	2	11.9	63	2.1	95	12
31/07/24 15:25	28	21	50	2	11.7	66	1.5	117	12
31/07/24 15:30	28	22	50	1	11.9	65	1.0	127	13
31/07/24 15:35	30	23	53	2	12.4	62	0.8	134	20
31/07/24 15:40	32	24	55	2	12.9	61	1.1	136	17
31/07/24 15:45	32	25	57	2	12.6	61	1.2	128	13
31/07/24 15:50	32	25	57	2	12.3	63	0.6	145	38
31/07/24 15:55	32	25	57	2	12.7	62	0.5	172	37
31/07/24 16:00	31	25	56	2	13.1	61	0.4	132	43
31/07/24 16:05	31	25	56	2	13.2	60	0.6	240	30
31/07/24 16:10	30	25	56	2	12.8	63	0.8	211	14
31/07/24 16:15	30	26	56	2	12.2	64	1.1	215	6
31/07/24 16:20	30	26	56	1	11.8	68	1.8	208	5
31/07/24 16:25	30	26	56	1	11.3	71	1.5	207	5
31/07/24 16:30	29	26	55	1	11.1	72	1.7	204	4
31/07/24 16:35	29	26	55	1	11.0	73	1.8	202	6
31/07/24 16:40	29	27	56	1	11.1	73	1.3	198	11
31/07/24 16:45	31	27	58	1	11.2	71	1.2	186	19
31/07/24 16:50	31	27	59	1	11.1	74	2.7	205	6
31/07/24 16:55	36	29	65	1	10.4	78	2.8	216	4
31/07/24 17:00	39	32	71	1	10.2	79	2.1	208	8
31/07/24 17:05	39	32	72	1	10.1	79	2.2	211	5
31/07/24 17:10	39	32	72	1	9.9	79	1.7	209	5
31/07/24 17:15	39	32	71	1	10.0	80	1.6	208	8
31/07/24 17:20	39	32	72	1	9.9	80	1.4	212	5
31/07/24 17:25	40	32	72	1	9.9	81	0.9	210	6
31/07/24 17:30	40	32	73	1	9.7	81	0.9	213	8
31/07/24 17:35	41	33	73	1	9.6	82	0.8	221	11
31/07/24 17:40	41	33	74	1	9.6	83	0.5	179	24
31/07/24 17:45	41	33	74	1	9.5	84	0.9	209	7
31/07/24 17:50	41	33	73	1	9.5	83	1.0	213	5
31/07/24 17:55	40	33	73	1	9.5	84	0.9	214	11
31/07/24 18:00	39	33	72	1	9.6	83	1.2	223	5
31/07/24 18:05	38	32	71	1	9.5	84	1.4	229	8
31/07/24 18:10	38	32	70	1	9.6	83	1.0	223	8

Station Pier Ambient Air Quality Monitoring									
July 2024									
5-Minute Data									
Date/Time	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/07/24 18:15	39	33	71	1	9.6	83	0.7	226	14
31/07/24 18:20	43	32	75	1	9.5	83	0.5	238	9
31/07/24 18:25	46	30	77	1	9.1	84	0.2	93	45
31/07/24 18:30	45	31	77	1	8.8	85	0.2	56	35
31/07/24 18:35	46	31	77	1	8.7	86	0.3	351	17
31/07/24 18:40	53	28	81	1	8.6	86	0.3	37	9
31/07/24 18:45	55	31	86	1	8.5	87	0.3	8	27
31/07/24 18:50	62	31	93	1	8.5	87	0.3	345	21
31/07/24 18:55	77	32	109	1	8.3	87	0.3	359	17
31/07/24 19:00	79	34	113	1	8.3	87	0.4	23	14
31/07/24 19:05	80	35	114	1	8.2	88	0.1	9	27
31/07/24 19:10	77	35	111	1	8.3	88	0.1	308	37
31/07/24 19:15	68	36	104	1	8.3	88	0.3	284	11
31/07/24 19:20	67	36	103	1	8.2	88	0.4	291	5
31/07/24 19:25	69	34	103	2	8.1	88	0.5	296	6
31/07/24 19:30	71	33	104	1	8.0	89	0.6	298	5
31/07/24 19:35	78	31	109	1	8.2	89	0.8	307	8
31/07/24 19:40	84	32	116	1	8.2	89	0.6	302	11
31/07/24 19:45	81	34	116	1	8.2	89	0.6	289	9
31/07/24 19:50	75	37	111	1	8.2	89	0.7	289	7
31/07/24 19:55	72	35	107	1	8.2	89	0.6	290	6
31/07/24 20:00	65	35	100	1	8.1	90	0.7	289	6
31/07/24 20:05	68	29	97	1	8.3	90	0.8	286	7
31/07/24 20:10	63	31	94	1	8.3	90	0.8	290	7
31/07/24 20:15	60	31	91	1	8.2	88	0.8	292	5
31/07/24 20:20	56	32	88	1	8.2	87	1.0	289	6
31/07/24 20:25	60	30	90	1	8.3	87	1.1	289	6
31/07/24 20:30	62	29	91	1	8.2	86	1.1	284	8
31/07/24 20:35	61	29	90	1	8.2	87	0.9	282	10
31/07/24 20:40	60	29	89	1	8.1	86	0.9	278	12
31/07/24 20:45	64	26	90	1	7.9	86	0.4	294	19
31/07/24 20:50	61	31	92	1	7.7	87	0.6	276	7
31/07/24 20:55	57	31	88	1	7.5	87	0.7	274	5
31/07/24 21:00	57	28	85	1	7.4	88	0.8	269	4
31/07/24 21:05	64	28	92	1	7.2	88	0.7	270	6
31/07/24 21:10	58	32	90	1	7.2	89	0.7	294	6
31/07/24 21:15	71	25	96	2	7.3	88	0.6	299	8
31/07/24 21:20	80	30	110	2	7.2	88	0.8	298	6
31/07/24 21:25	79	31	110	1	7.3	88	1.0	300	6
31/07/24 21:30	77	32	109	1	7.4	88	0.9	304	11
31/07/24 21:35	78	32	110	1	7.5	87	1.1	307	8
31/07/24 21:40	86	35	121	1	7.8	86	1.0	320	14
31/07/24 21:45	175	45	220	2	7.8	87	1.0	340	22
31/07/24 21:50	270	47	318	2	7.8	88	1.3	347	20
31/07/24 21:55	261	48	309	3	7.8	87	1.4	343	20
31/07/24 22:00	246	44	291	3	7.7	87	1.7	339	14
31/07/24 22:05	218	43	260	3	7.7	87	1.9	337	12
31/07/24 22:10	251	47	298	3	7.6	87	2.1	337	10
31/07/24 22:15	248	45	294	3	7.5	88	2.0	340	10
31/07/24 22:20	237	47	284	3	7.3	88	1.7	340	13
31/07/24 22:25	216	49	265	3	7.3	88	2.0	343	14
31/07/24 22:30	214	42	256	3	7.2	88	1.8	339	14
31/07/24 22:35	201	42	243	3	7.1	88	1.9	340	11
31/07/24 22:40	194	39	233	3	7.1	88	2.3	351	12
31/07/24 22:45	189	39	228	3	7.0	88	2.3	348	10
31/07/24 22:50	175	41	216	3	6.9	88	2.0	345	15
31/07/24 22:55	170	38	208	2	6.9	88	2.3	350	10
31/07/24 23:00	153	38	191	3	6.9	89	2.0	347	11
31/07/24 23:05	140	35	175	3	6.8	88	2.4	353	7
31/07/24 23:10	134	36	170	3	6.8	88	2.5	358	7
31/07/24 23:15	134	35	169	3	6.8	88	2.5	1	7
31/07/24 23:20	134	35	170	2	6.6	89	2.4	2	14
31/07/24 23:25	135	35	170	2	6.6	89	2.7	1	5
31/07/24 23:30	133	34	167	2	6.5	89	2.6	360	5
31/07/24 23:35	131	33	164	2	6.5	89	1.9	359	8
31/07/24 23:40	128	31	159	2	6.4	89	2.1	359	9
31/07/24 23:45	119	28	148	2	6.4	89	2.0	350	12
31/07/24 23:50	102	31	133		6.4	88	1.9	347	19
31/07/24 23:55	99	30	129		6.4	88	2.0	351	12
01/08/24 00:00	99	30	129	2	6.3	89	2.1	0	8

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/07/24 01:00	1	11	0	1	1	1	10.9	75	3.4	188	12
01/07/24 02:00	0	10					10.8	78	4.4	208	6
01/07/24 03:00	0	7	0	6	7	1	9.8	88	4.5	243	7
01/07/24 04:00	0	12	0	5	5	1	9.8	87	3.0	237	11
01/07/24 05:00	0	9	1	10	11	1	8.8	92	4.1	249	7
01/07/24 06:00	1	10	2	21	23	1	8.4	92	1.7	303	13
01/07/24 07:00	3	9	3	20	23	1	8.3	92	1.5	278	18
01/07/24 08:00	2	12	12	25	38	1	8.0	92	1.7	302	12
01/07/24 09:00	0	11	22	26	48	1	8.3	91	1.7	296	11
01/07/24 10:00	0	10	18	22	40	1	9.2	86	1.5	282	12
01/07/24 11:00	-2	11	6	10	16	1	10.4	80	1.7	242	11
01/07/24 12:00	-2	11	2	4	6	1	10.9	77	2.3	226	5
01/07/24 13:00	-1	7	1	3	4	1	11.3	74	3.3	219	5
01/07/24 14:00	-1	8	1	3	4	1	11.6	72	3.8	211	4
01/07/24 15:00	0	12	1	3	3	1	12.0	68	2.8	206	5
01/07/24 16:00	0	11	1	4	5	1	12.7	63	2.3	204	6
01/07/24 17:00	2	9	1	4	4	1	12.9	59	3.0	195	10
01/07/24 18:00	2	11	0	1	1	1	12.1	62	2.9	180	12
01/07/24 19:00	2	13	0	11	11	1	11.8	66	2.1	119	15
01/07/24 20:00	4	16	0	9	9	1	11.6	69	2.2	138	21
01/07/24 21:00	8	20	0	9	9	1	11.2	71	3.0	115	12
01/07/24 22:00	6	41	0	21	21	1	10.5	74	2.0	102	6
01/07/24 23:00	4	29	0	19	20	1	10.4	75	2.0	103	8
02/07/24 00:00	3	20	0	12	12	1	10.2	78	2.7	108	9
02/07/24 01:00	2	22	0	12	12	1	9.8	80	2.1	111	12
02/07/24 02:00	1	8					8.7	81	1.0	94	9
02/07/24 03:00	11	28	58	25	82	1	7.3	88	1.1	294	16
02/07/24 04:00	9	38	61	26	87	2	6.1	90	1.4	346	14
02/07/24 05:00	6	27	43	24	68	2	5.9	90	2.2	353	10
02/07/24 06:00	6	18	32	22	54	2	5.9	91	1.2	347	21
02/07/24 07:00	7	31	63	26	89	2	6.0	90	1.5	356	19
02/07/24 08:00	6	27	52	26	78	2	6.5	89	1.1	350	27
02/07/24 09:00	11	44	84	29	113	2	7.1	86	1.0	321	26
02/07/24 10:00	11	50	107	33	140	2	8.1	82	1.1	354	17
02/07/24 11:00	12	57	104	34	138	3	9.8	75	0.7	247	21
02/07/24 12:00	15	43	87	34	121	3	11.7	67	0.6	185	33
02/07/24 13:00	10	25	39	26	65	3	12.2	63	0.7	191	23
02/07/24 14:00	6	11	6	9	14	2	12.5	57	1.3	206	13
02/07/24 15:00	5	8	2	6	8	2	12.6	55	2.6	203	9
02/07/24 16:00	3	12	1	5	6	1	12.2	58	3.5	203	6
02/07/24 17:00	0	12	1	6	7	1	11.9	61	3.4	200	8
02/07/24 18:00	2	7	0	5	5	1	11.4	63	2.4	190	13
02/07/24 19:00	3	6	0	6	6	1	11.1	68	1.9	160	18
02/07/24 20:00	4	17	0	22	22	1	10.3	71	2.2	110	10
02/07/24 21:00	5	21	1	26	27	1	9.6	70	2.0	107	8
02/07/24 22:00	9	23	1	26	27	1	9.0	72	2.8	100	4
02/07/24 23:00	7	21	1	26	27	1	8.6	73	2.5	98	6

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/07/24 00:00	10	15	2	25	27	1	8.0	75	1.8	98	5
03/07/24 01:00	8	18	6	26	32	1	7.2	75	0.9	78	8
03/07/24 02:00	17	47					5.4	83	1.5	356	12
03/07/24 03:00	11	29	66	25	92	1	4.6	84	2.0	353	14
03/07/24 04:00	15	35	53	23	76	1	4.0	86	1.8	2	11
03/07/24 05:00	11	27	45	22	68	1	3.7	86	1.6	355	20
03/07/24 06:00	8	28	66	23	89	1	3.5	88	1.1	6	21
03/07/24 07:00	12	30	66	25	91	1	3.5	87	0.8	343	32
03/07/24 08:00	10	30	80	24	104	2	3.3	87	0.9	11	22
03/07/24 09:00	16	40	127	30	157	2	4.2	82	1.2	2	18
03/07/24 10:00	15	40	108	29	137	2	6.0	77	1.1	348	29
03/07/24 11:00	19	45	94	29	123	2	8.4	70	0.3	216	31
03/07/24 12:00	27	47	99	32	131	2	9.5	69	0.9	187	22
03/07/24 13:00	24	49	99	35	134	3	11.0	64	1.1	181	19
03/07/24 14:00	18	31	55	31	86	3	10.4	71	2.0	197	11
03/07/24 15:00	21	36	52	30	82	2	11.7	67	1.5	179	21
03/07/24 16:00	12	24	23	25	48	2	11.0	73	2.8	207	5
03/07/24 17:00	10	16	7	20	27	1	10.8	75	3.1	224	5
03/07/24 18:00	7	16	3	23	27	1	10.3	82	2.9	230	5
03/07/24 19:00	7	19	8	24	33	1	10.1	84	2.0	241	8
03/07/24 20:00	8	18	12	17	30	1	10.6	78	1.5	163	25
03/07/24 21:00	6	14	0	12	12	2	11.2	74	2.3	159	26
03/07/24 22:00	2	12	0	5	5	1	11.0	72	4.1	144	18
03/07/24 23:00	2	19	0	7	7	1	9.9	76	3.2	121	13
04/07/24 00:00	10	27	0	16	16	1	8.0	81	1.5	97	6
04/07/24 01:00	14	39	49	25	74	1	6.6	86	1.4	5	13
04/07/24 02:00	15	28					5.5	91	1.2	1	12
04/07/24 03:00	15	27	40	21	61	1	5.1	93	1.4	2	11
04/07/24 04:00	11	27	36	18	54	1	4.7	93	0.7	28	12
04/07/24 05:00	20	27	46	18	65	1	4.1	93	0.7	58	12
04/07/24 06:00	20	29	40	17	57	1	3.7	93	0.8	49	8
04/07/24 07:00	15	28	78	19	97	1	3.6	93	0.9	23	14
04/07/24 08:00	21	61	165	28	193	2	3.7	93	0.8	341	26
04/07/24 09:00	21	48	142	29	170	2	4.6	91	1.4	354	24
04/07/24 10:00	23	52	149	32	181	2	5.1	92	0.7	329	27
04/07/24 11:00	26	70	178	33	210	2	6.3	88	0.5	267	27
04/07/24 12:00	24	58	174	37	210	3	7.6	84	0.5	253	29
04/07/24 13:00	25	44	100	32	131	2	8.6	85	1.5	233	10
04/07/24 14:00	14	33	38	26	64	1	9.5	87	0.9	276	14
04/07/24 15:00	17	38	35	24	59	1	10.7	84	1.1	271	12
04/07/24 16:00	11	27	22	24	47	1	11.5	85	1.6	247	9
04/07/24 17:00	7	18	4	19	23	1	11.6	87	1.6	229	8
04/07/24 18:00	5	11	2	17	19	0	11.0	92	1.2	215	12
04/07/24 19:00	4	11	0	13	13	0	11.5	91	2.1	140	16
04/07/24 20:00	4	15	0	8	9	0	11.7	86	2.7	129	17
04/07/24 21:00	7	19	0	12	12	0	10.7	90	1.2	122	17
04/07/24 22:00	20	41	48	27	75	0	9.2	93	0.7	356	10

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/07/24 23:00	20	40	63	26	90	1	9.0	95	0.3	214	26
05/07/24 00:00	8	16	4	21	24	0	9.7	92	1.0	126	18
05/07/24 01:00	10	19	1	22	23	1	9.8	91	0.5	143	26
05/07/24 02:00	6	16					10.0	90	1.6	133	17
05/07/24 03:00	11	19	22	21	43	0	9.4	92	0.9	55	9
05/07/24 04:00	16	30	46	23	69	1	9.4	92	0.8	101	10
05/07/24 05:00	21	22	48	21	69	1	9.3	92	0.9	48	10
05/07/24 06:00	24	42	90	22	112	1	9.3	91	0.9	6	16
05/07/24 07:00	24	50	127	27	155	2	9.3	91	0.7	15	18
05/07/24 08:00	21	35	81	24	105	2	9.5	91	0.5	65	34
05/07/24 09:00	14	26	50	22	72	1	9.7	89	1.0	95	8
05/07/24 10:00	14	30	57	23	80	1	10.2	87	0.1	273	23
05/07/24 11:00	16	25	52	24	76	1	10.8	86	1.1	233	11
05/07/24 12:00	14	32	31	25	56	1	11.1	87	1.1	191	12
05/07/24 13:00	8	20	10	17	27	1	11.2	87	1.5	199	15
05/07/24 14:00	6	16	4	13	17	1	11.2	88	2.1	205	6
05/07/24 15:00	6	14	3	11	14	1	11.2	89	1.8	207	7
05/07/24 16:00	5	13	1	8	10	0	11.5	87	1.2	232	5
05/07/24 17:00	4	15	1	12	13	0	11.6	86	1.2	206	6
05/07/24 18:00	2	8	0	6	7	0	11.9	85	1.6	175	14
05/07/24 19:00	5	16	0	3	3	1	12.3	76	2.2	163	25
05/07/24 20:00	6	9	0	2	3	1	12.1	75	2.2	164	29
05/07/24 21:00	3	16	0	2	2	1	11.9	75	2.9	147	23
05/07/24 22:00	0	10	0	1	2	1	11.6	74	3.9	141	16
05/07/24 23:00	2	9	0	3	3	1	11.1	76	2.6	127	14
06/07/24 00:00	8	36	3	15	18	1	10.0	78	2.4	101	6
06/07/24 01:00	7	28	0	9	9	1	8.9	82	1.7	104	9
06/07/24 02:00	9	15					8.3	82	1.8	95	7
06/07/24 03:00	6	20	0	9	9	1	8.2	83	1.6	99	8
06/07/24 04:00	4	12	0	8	8	1	8.4	82	1.8	73	9
06/07/24 05:00	5	13	0	14	14	1	7.8	84	1.4	58	9
06/07/24 06:00	3	14	0	12	13	1	8.3	82	1.2	63	16
06/07/24 07:00	0	11	0	10	10	1	8.8	78	1.9	80	10
06/07/24 08:00	3	11	0	12	12	1	8.8	78	1.9	90	8
06/07/24 09:00	4	7	0	8	9	1	8.7	77	2.5	97	9
06/07/24 10:00	4	10	1	5	6	1	8.9	75	0.8	121	26
06/07/24 11:00	5	14	1	6	7	1	9.4	73	0.8	155	29
06/07/24 12:00	5	16	2	8	10	1	9.6	73	1.1	157	28
06/07/24 13:00	7	15	3	7	10	1	10.2	71	1.0	158	25
06/07/24 14:00	7	13	4	8	12	1	10.9	67	1.2	143	20
06/07/24 15:00	8	17	3	8	11	1	11.4	68	1.8	195	16
06/07/24 16:00	7	12	2	7	9	1	11.5	68	2.0	188	17
06/07/24 17:00	5	9	1	6	7	1	10.6	73	2.8	161	16
06/07/24 18:00	6	15	0	10	11	1	9.2	76	2.5	118	17
06/07/24 19:00	6	17	1	16	18	1	8.7	79	2.2	101	9
06/07/24 20:00	15	21	2	13	15	1	8.3	80	1.1	100	13
06/07/24 21:00	24	33	14	23	37	1	7.6	84	0.4	30	15

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/07/24 22:00	23	33	17	24	41	1	7.5	85	1.0	335	13
06/07/24 23:00	17	38	43	24	67	2	7.9	84	1.0	342	25
07/07/24 00:00	17	32	37	24	61	2	8.0	83	1.2	351	27
07/07/24 01:00	17	33	19	23	41	2	8.3	83	1.1	357	25
07/07/24 02:00	17	25					8.2	82	1.3	1	22
07/07/24 03:00	17	28	1	15	16	1	7.6	83	1.2	357	23
07/07/24 04:00	19	21	0	13	14	1	6.7	87	0.7	354	22
07/07/24 05:00	15	18	1	12	13	1	6.0	91	1.1	46	12
07/07/24 06:00	10	15	0	5	6	0	5.9	92	1.9	74	12
07/07/24 07:00	11	19	0	5	5	1	5.3	95	1.9	71	13
07/07/24 08:00	6	12	1	6	7	0	4.7	97	1.2	66	17
07/07/24 09:00	7	13	5	9	14	1	5.3	93	0.6	30	16
07/07/24 10:00	8	11	11	9	20	1	6.7	88	0.3	265	28
07/07/24 11:00	8	13	10	8	18	1	8.3	79	0.9	227	21
07/07/24 12:00	7	13	13	9	22	1	9.0	77	1.0	205	16
07/07/24 13:00	6	15	9	7	16	1	11.1	68	1.2	150	23
07/07/24 14:00	8	12	9	9	17	1	12.0	71	0.9	163	29
07/07/24 15:00	8	16	9	11	20	1	13.5	68	0.1	175	29
07/07/24 16:00	3	7	2	5	6	1	16.5	45	1.9	38	23
07/07/24 17:00	1	8	1	7	8	1	15.3	50	1.6	65	14
07/07/24 18:00	5	18	1	20	22	1	13.6	58	1.6	88	7
07/07/24 19:00	12	22	2	25	27	1	12.8	60	1.7	83	8
07/07/24 20:00	16	27	9	29	37	1	11.8	64	1.6	70	10
07/07/24 21:00	22	33	14	27	40	1	10.7	71	1.6	89	10
07/07/24 22:00	13	19	9	22	31	1	10.2	73	0.7	39	19
07/07/24 23:00	23	27	32	25	57	1	9.2	79	0.5	323	20
08/07/24 00:00	22	28	40	25	65	2	8.2	83	0.8	32	10
08/07/24 01:00	15	26	33	20	53	1	8.1	83	1.2	348	14
08/07/24 02:00	18	28					7.9	83	1.5	349	13
08/07/24 03:00	16	31	47	22	69	1	8.1	82	0.5	21	23
08/07/24 04:00	15	23	37	21	59	1	8.5	82	0.3	269	23
08/07/24 05:00	11	24	34	20	54	1	8.7	80	0.2	15	42
08/07/24 06:00	10	17	21	21	42	1	9.3	76	1.1	34	15
08/07/24 07:00	11	25	58	23	81	2	9.8	78	0.4	260	30
08/07/24 08:00	15	37	145	29	174	2	9.1	83	0.7	260	19
08/07/24 09:00	14	52	190	34	225	3	9.4	81	0.1	276	15
08/07/24 10:00	10	38	153	32	185	3	10.6	79	0.7	278	17
08/07/24 11:00	7	21	70	24	94	3	12.8	73	0.2	14	14
08/07/24 12:00	4	11	10	19	30	2	15.6	60	1.7	51	18
08/07/24 13:00	1	8	4	11	15	2	16.8	57	2.4	34	20
08/07/24 14:00	-2	10	2	7	10	1	16.9	59	3.8	38	18
08/07/24 15:00	0	13	1	6	7	1	16.4	63	4.5	39	18
08/07/24 16:00	1	7	1	6	8	1	16.3	66	3.6	31	17
08/07/24 17:00	0	12	1	10	11	1	16.0	69	2.6	24	20
08/07/24 18:00	0	7	1	11	12	1	15.6	70	2.8	13	23
08/07/24 19:00	-1	7	1	12	13	1	15.0	74	2.2	1	24
08/07/24 20:00	-2	8	0	10	10	1	14.7	74	2.4	22	18

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/07/24 21:00	1	10	0	10	11	1	14.6	75	1.1	11	22
08/07/24 22:00	2	11	1	17	18	1	14.3	76	1.0	0	27
08/07/24 23:00	0	9	1	18	19	1	13.9	81	0.7	349	28
09/07/24 00:00	3	7	4	24	28	1	13.0	91	0.1	19	12
09/07/24 01:00	5	20	2	16	18	0	12.3	95	1.5	111	8
09/07/24 02:00	3	7					12.2	97	1.8	94	11
09/07/24 03:00	4	7	0	15	16	0	12.3	98	0.6	94	20
09/07/24 04:00	3	9	0	13	13	1	12.3	98	1.5	224	14
09/07/24 05:00	2	11	0	8	8	0	12.1	98	1.6	242	4
09/07/24 06:00	6	11	11	12	22	1	12.0	99	1.8	243	6
09/07/24 07:00	4	8	2	10	12	1	12.1	97	3.2	245	8
09/07/24 08:00	4	7	1	9	9	0	12.0	96	4.3	242	6
09/07/24 09:00	4	7	2	9	12	0	12.0	96	3.7	246	7
09/07/24 10:00							12.2	95	3.1	256	7
09/07/24 11:00						1	12.7	95	2.4	259	6
09/07/24 12:00			7	10	17	1	12.9	95	3.4	249	7
09/07/24 13:00	6	9	12	13	25	0	13.1	95	3.7	254	7
09/07/24 14:00	4	8	3	7	10	1	13.3	95	4.7	245	7
09/07/24 15:00	0	10	1	4	5	0	13.0	96	6.0	227	4
09/07/24 16:00	-1	9	0	2	2	0	12.7	97	5.9	223	4
09/07/24 17:00	-1	14	0	3	3	0	12.8	95	4.4	226	4
09/07/24 18:00	0	15	0	2	3	0	12.9	96	5.5	219	5
09/07/24 19:00	5	10	0	2	2	0	12.8	94	5.8	223	4
09/07/24 20:00	4	9	0	2	2	0	12.5	96	5.9	230	4
09/07/24 21:00	2	8	0	2	2	0	12.3	98	7.0	233	4
09/07/24 22:00	-1	14	0	2	2	0	12.3	93	7.1	240	6
09/07/24 23:00	0	9	0	4	5	0	12.4	90	7.0	242	7
10/07/24 00:00	2	9	2	13	14	0	12.0	91	6.4	256	7
10/07/24 01:00	1	10	1	11	12	1	11.8	90	5.7	262	6
10/07/24 02:00	2	10					11.7	89	5.6	264	7
10/07/24 03:00	4	10	1	12	13	0	11.6	87	6.2	259	6
10/07/24 04:00	5	10	1	11	11	0	11.5	87	5.7	260	6
10/07/24 05:00	4	12	1	12	13	1	11.5	84	6.2	260	6
10/07/24 06:00	4	15	4	16	20	1	11.2	85	5.8	263	7
10/07/24 07:00	4	13	8	21	29	1	11.1	85	5.0	268	8
10/07/24 08:00	6	16	3	21	24	1	10.9	85	4.3	272	9
10/07/24 09:00	4	12	4	22	26	1	10.9	82	4.8	269	9
10/07/24 10:00	2	17	3	13	16	1	10.9	79	5.6	271	9
10/07/24 11:00	5	18	3	11	13	1	11.1	76	5.4	276	10
10/07/24 12:00	3	16	3	8	11	1	11.5	75	4.4	274	11
10/07/24 13:00	5	14	3	9	12	1	12.4	70	2.4	278	13
10/07/24 14:00	9	25	3	12	15	1	12.5	69	1.9	251	10
10/07/24 15:00	6	20	3	12	15	1	13.5	64	0.7	265	22
10/07/24 16:00	3	11	3	9	12	1	14.2	60	1.2	334	31
10/07/24 17:00	3	12	3	15	19	1	14.0	61	1.2	11	22
10/07/24 18:00	2	13	6	27	33	1	12.7	72	1.2	49	16
10/07/24 19:00	4	13	3	22	25	1	12.7	72	2.4	18	23

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/07/24 20:00	3	15	3	19	22	1	12.5	70	2.1	344	30
10/07/24 21:00	1	15	1	11	12	1	12.3	67	2.5	357	28
10/07/24 22:00	2	14	0	10	10	1	11.4	71	2.5	9	25
10/07/24 23:00	3	14	0	9	10	1	11.0	75	3.0	358	26
11/07/24 00:00	5	12	0	6	7	1	11.3	74	3.8	13	21
11/07/24 01:00	4	13	0	5	5	1	11.3	75	3.9	1	23
11/07/24 02:00	6	8					10.9	78	2.5	6	28
11/07/24 03:00	2	10	0	3	3	1	11.2	72	2.5	358	28
11/07/24 04:00	0	14	0	4	4	1	11.3	72	3.6	12	24
11/07/24 05:00	1	11	0	4	5	1	11.1	75	3.7	5	24
11/07/24 06:00	0	13	0	6	6	1	11.2	76	3.0	1	29
11/07/24 07:00	1	13	1	12	13	1	11.2	75	3.8	5	27
11/07/24 08:00	3	17	2	12	13	1	11.9	72	4.0	7	25
11/07/24 09:00	6	13	2	11	13	1	12.9	68	3.9	15	23
11/07/24 10:00	4	14	3	13	15	1	12.7	69	4.1	4	27
11/07/24 11:00	2	19	4	13	17	1	12.5	69	3.7	356	30
11/07/24 12:00	2	17	4	14	18	1	12.6	69	4.1	0	30
11/07/24 13:00	1	17	2	11	13	1	13.0	67	5.0	6	24
11/07/24 14:00	3	22	2	8	11	1	13.7	65	5.0	10	23
11/07/24 15:00	4	18	3	10	13	1	13.9	64	4.8	4	25
11/07/24 16:00	3	19	2	9	11	1	14.0	63	5.7	4	24
11/07/24 17:00	4	13	1	9	11	0	13.9	65	5.6	7	22
11/07/24 18:00	4	9	1	9	10	0	13.8	66	4.4	2	27
11/07/24 19:00	2	9	1	9	10	0	13.7	66	4.4	9	22
11/07/24 20:00	0	10	0	6	7	0	13.5	68	4.8	5	25
11/07/24 21:00	1	6	1	8	9	1	13.3	71	4.2	5	24
11/07/24 22:00	3	9	0	7	7	0	12.5	80	4.0	8	22
11/07/24 23:00	2	9	0	8	8	0	12.1	84	3.0	3	24
12/07/24 00:00	2	8	1	10	10	0	12.1	83	2.1	352	31
12/07/24 01:00	2	6	0	8	9	0	11.9	86	2.3	12	24
12/07/24 02:00	2	9					11.8	85	2.5	12	24
12/07/24 03:00	2	7	0	5	5	0	11.6	88	1.8	0	25
12/07/24 04:00	1	9	0	5	5	0	11.4	90	1.9	7	23
12/07/24 05:00	1	6	1	10	11	0	11.2	92	1.0	325	30
12/07/24 06:00	2	8	10	16	25	0	11.1	94	0.9	300	17
12/07/24 07:00	1	7	27	17	43	1	10.9	95	1.1	357	25
12/07/24 08:00	0	13	22	18	40	1	10.9	95	1.6	357	20
12/07/24 09:00	1	10	31	17	49	1	11.1	95	1.2	339	22
12/07/24 10:00	3	13	38	19	57	1	11.5	94	0.8	335	24
12/07/24 11:00	7	13	33	18	51	1	12.0	91	1.0	213	16
12/07/24 12:00	5	14	8	12	20	1	12.1	90	0.9	154	16
12/07/24 13:00	2	9	13	14	26	1	13.2	83	1.1	136	16
12/07/24 14:00	4	15	19	19	38	1	13.8	81	1.2	151	23
12/07/24 15:00	4	13	11	13	25	1	14.6	76	1.2	142	20
12/07/24 16:00	3	13	4	9	13	1	14.8	74	1.2	124	16
12/07/24 17:00	2	14	1	3	4	1	14.3	74	1.1	119	13
12/07/24 18:00	1	18	1	9	10	1	12.1	84	0.1	70	24

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/07/24 19:00	11	31	21	30	51	1	12.0	83	0.8	37	10
12/07/24 20:00	26	59	109	39	148	2	12.3	78	0.8	351	12
12/07/24 21:00	25	55	114	39	153	2	11.9	79	1.3	349	18
12/07/24 22:00	14	32	44	33	77	2	11.5	73	1.3	354	22
12/07/24 23:00	12	23	40	29	69	2	11.2	76	1.8	356	19
13/07/24 00:00	9	22	22	26	47	1	11.0	76	1.9	356	17
13/07/24 01:00	9	19	15	24	39	1	10.5	78	1.7	352	21
13/07/24 02:00	10	27					10.4	80	0.7	302	17
13/07/24 03:00	6	28	38	25	63	1	10.2	80	1.3	339	17
13/07/24 04:00	10	19	27	21	48	1	9.8	86	1.6	347	14
13/07/24 05:00	7	15	31	22	53	1	9.4	95	1.9	351	15
13/07/24 06:00	8	12	24	23	46	1	9.6	96	1.9	347	15
13/07/24 07:00	6	12	21	22	43	1	9.9	95	1.4	338	15
13/07/24 08:00	4	14	23	23	46	1	10.0	93	1.7	315	14
13/07/24 09:00	5	17	42	26	68	2	10.2	90	1.1	325	21
13/07/24 10:00	3	17	20	18	38	2	11.2	84	3.5	264	10
13/07/24 11:00	4	16	4	7	11	2	11.6	81	4.7	259	6
13/07/24 12:00	6	13	2	3	5	2	12.2	77	4.4	235	7
13/07/24 13:00	4	17	0	2	2	1	12.5	77	4.3	223	5
13/07/24 14:00	-1	15	1	3	4	1	12.6	76	4.7	217	5
13/07/24 15:00	1	16	2	3	5	1	13.1	76	2.9	189	12
13/07/24 16:00	2	8	0	1	2	1	12.7	76	2.3	196	10
13/07/24 17:00	2	13	0	1	1	1	12.2	81	1.2	149	20
13/07/24 18:00	1	13	0	2	2	1	11.8	84	2.5	204	14
13/07/24 19:00	-1	11	0	2	2	1	11.5	85	2.3	194	10
13/07/24 20:00	1	19	0	1	1	1	11.0	91	2.1	190	11
13/07/24 21:00	2	11	0	2	2	1	11.0	90	3.3	215	8
13/07/24 22:00	2	9	0	1	1	1	10.8	90	1.9	221	10
13/07/24 23:00	2	13	0	5	5	1	10.4	93	2.5	268	8
14/07/24 00:00	4	11	0	12	13	1	10.0	93	2.8	264	7
14/07/24 01:00	3	10	0	11	11	1	9.7	93	1.9	276	11
14/07/24 02:00	3	11					9.6	91	4.6	246	6
14/07/24 03:00	2	10	1	11	12	1	9.2	90	4.5	256	7
14/07/24 04:00	4	10	1	10	11	1	8.8	91	4.8	254	7
14/07/24 05:00	1	7	0	3	4	1	8.5	93	4.2	264	7
14/07/24 06:00	4	9	0	6	6	1	8.1	92	4.2	260	8
14/07/24 07:00	6	11	1	9	10	1	8.1	92	5.1	255	7
14/07/24 08:00	2	10	2	11	14	1	8.1	92	5.2	257	6
14/07/24 09:00	1	8	2	10	12	1	8.2	91	5.2	253	7
14/07/24 10:00	1	6	2	6	8	1	8.7	89	5.4	250	8
14/07/24 11:00	-1	11	1	4	5	1	9.5	84	5.9	247	7
14/07/24 12:00	-1	8	1	2	2	1	10.2	80	6.4	233	6
14/07/24 13:00	-1	8	0	2	2	1	10.7	78	6.5	230	6
14/07/24 14:00	0	8	0	2	2	1	10.4	80	6.3	225	5
14/07/24 15:00	0	9	0	1	1	1	11.4	74	5.6	224	5
14/07/24 16:00	-1	14	0	1	2	1	11.8	70	6.6	224	5
14/07/24 17:00	1	14	0	1	1	1	11.6	70	6.5	222	5

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/07/24 18:00	3	15	0	1	1	1	11.5	74	5.7	230	5
14/07/24 19:00	3	16	0	3	3	1	11.0	75	5.8	241	7
14/07/24 20:00	3	10	0	9	9	1	10.3	80	4.7	256	7
14/07/24 21:00	4	9	1	12	13	1	9.9	82	5.1	260	7
14/07/24 22:00	3	8	0	10	11	1	9.4	84	3.7	269	8
14/07/24 23:00	3	7	0	8	8	1	9.1	86	4.4	271	8
15/07/24 00:00	4	8	0	7	7	1	9.0	88	4.2	272	9
15/07/24 01:00	2	6	0	5	5	1	9.3	87	5.8	267	6
15/07/24 02:00	2	7					9.0	88	4.4	272	10
15/07/24 03:00	0	6	0	5	5	1	8.5	88	3.4	279	11
15/07/24 04:00	-1	7	0	6	6	0	8.5	86	4.0	276	10
15/07/24 05:00	0	6	0	6	6	0	8.4	88	4.1	274	9
15/07/24 06:00	2	8	0	10	11	0	8.4	88	4.6	270	9
15/07/24 07:00	2	10	2	21	24	0	8.2	88	3.8	277	10
15/07/24 08:00	-1	10	5	25	30	1	8.2	88	4.5	278	11
15/07/24 09:00	1	10	8	23	30	1	8.8	86	4.8	279	10
15/07/24 10:00	2	12	5	16	21	1	9.9	82	5.3	276	10
15/07/24 11:00	2	14	3	11	15	1	11.0	75	7.1	263	8
15/07/24 12:00	2	21	2	8	10	1	11.6	70	8.0	253	8
15/07/24 13:00	1	18	2	7	9	1	11.7	71	8.5	248	8
15/07/24 14:00	3	14	2	7	9	1	11.3	77	8.8	256	7
15/07/24 15:00	3	12	2	9	11	1	11.1	80	8.6	263	7
15/07/24 16:00	0	10	3	12	14	1	10.9	84	9.1	264	8
15/07/24 17:00	-1	10	2	12	14	1	10.7	88	8.3	267	7
15/07/24 18:00	-1	7	2	12	14	1	11.0	84	8.9	263	7
15/07/24 19:00	-1	12	3	14	17	1	10.9	86	9.8	262	6
15/07/24 20:00	4	9	1	10	11	1	10.8	88	9.6	258	6
15/07/24 21:00	3	9	1	10	11	1	10.6	92	9.7	256	6
15/07/24 22:00	1	14	1	9	10	1	10.5	94	9.8	256	6
15/07/24 23:00	1	9	1	9	9	1	10.6	95	10.4	257	6
16/07/24 00:00	0	8	1	7	8	1	10.6	96	10.2	252	7
16/07/24 01:00	1	9	0	5	5	0	10.8	97	9.9	243	7
16/07/24 02:00	2	21					11.9	97	7.6	216	5
16/07/24 03:00	3	22	0	2	2	1	12.5	96	5.9	196	7
16/07/24 04:00	3	26	0	3	3	1	12.7	91	4.3	194	9
16/07/24 05:00	4	16	0	3	3	1	12.5	93	5.2	200	6
16/07/24 06:00	5	28	0	3	4	0	12.5	93	5.8	204	4
16/07/24 07:00	8	28	17	11	28	0	12.5	93	5.4	205	4
16/07/24 08:00	9	24	11	12	22	0	12.4	93	5.2	203	5
16/07/24 09:00	5	26	1	2	3	0	12.3	95	5.0	208	3
16/07/24 10:00	5	31	0	2	2	0	12.5	95	5.0	216	3
16/07/24 11:00	8	26	1	4	5	0	12.8	94	5.7	217	4
16/07/24 12:00	7	22	0	1	1	0	12.9	93	5.6	213	4
16/07/24 13:00	5	26	1	4	5	0	12.9	93	5.5	213	3
16/07/24 14:00	4	25	1	2	2	0	13.2	90	5.7	212	4
16/07/24 15:00	6	16	1	2	2	0	13.2	88	6.0	213	3
16/07/24 16:00	7	23	0	2	2	0	12.9	93	4.7	208	3

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/07/24 17:00	5	22	0	2	2	0	12.9	93	4.4	212	3
16/07/24 18:00	3	21	0	3	4	0	12.7	94	3.4	211	3
16/07/24 19:00	1	19	1	3	4	0	12.6	94	3.2	217	3
16/07/24 20:00	2	18	0	2	2	0	12.4	95	3.3	221	3
16/07/24 21:00	2	10	10	18	28	0	12.3	95	2.9	209	4
16/07/24 22:00	6	17	1	9	10	1	12.1	96	2.9	217	7
16/07/24 23:00	4	24	0	4	4	1	11.9	96	2.4	197	9
17/07/24 00:00	6	26	0	11	11	1	11.8	95	2.7	223	5
17/07/24 01:00	6	20	1	4	5	1	11.4	95	3.2	241	5
17/07/24 02:00	4	18					11.2	95	3.5	238	4
17/07/24 03:00	3	18	1	9	9	0	10.6	96	2.8	252	9
17/07/24 04:00	7	16	2	17	19	0	10.0	95	1.8	309	15
17/07/24 05:00	9	25	13	22	36	1	9.7	93	1.9	325	16
17/07/24 06:00	6	24	15	23	38	1	10.4	92	1.5	303	15
17/07/24 07:00	8	23	20	23	43	1	10.7	93	1.6	283	14
17/07/24 08:00	8	22	23	23	46	1	10.7	94	2.6	269	9
17/07/24 09:00	8	29	44	23	67	1	10.5	95	2.9	264	8
17/07/24 10:00	5	27	31	20	51	1	11.2	92	1.4	257	10
17/07/24 11:00	5	20	6	10	15	2	12.2	90	3.1	237	4
17/07/24 12:00	4	18	4	7	11	1	12.4	92	3.5	227	3
17/07/24 13:00	4	16	2	4	7	1	12.9	89	3.7	222	4
17/07/24 14:00	5	10	1	3	4	1	13.0	89	5.7	223	3
17/07/24 15:00	4	12	1	1	2	1	12.5	91	6.1	224	4
17/07/24 16:00	3	13	0	1	2	1	12.5	91	4.3	225	5
17/07/24 17:00	1	15	1	6	6	1	12.3	91	5.1	219	6
17/07/24 18:00	0	9	0	3	3	1	11.8	93	5.9	229	5
17/07/24 19:00	2	10	0	2	2	1	11.6	92	7.7	215	4
17/07/24 20:00	4	12	3	6	9	1	11.4	89	6.1	208	5
17/07/24 21:00	4	17	0	7	8	1	11.3	90	4.0	230	6
17/07/24 22:00	3	18	1	11	12	1	11.4	82	4.9	246	7
17/07/24 23:00	5	17	0	4	4	1	10.7	86	6.7	241	6
18/07/24 00:00	5	10	0	11	12	1	9.9	91	5.6	257	7
18/07/24 01:00	3	13	1	11	11	1	9.4	92	5.1	259	7
18/07/24 02:00	3	10					9.7	87	4.8	258	7
18/07/24 03:00	4	7	2	15	17	2	9.4	88	5.7	260	7
18/07/24 04:00	3	8	1	15	16	2	9.5	85	5.2	259	7
18/07/24 05:00	3	14	1	16	17	2	9.2	85	5.2	261	6
18/07/24 06:00	3	14	2	17	20	3	8.8	86	5.1	256	7
18/07/24 07:00	5	9	5	19	24	3	8.6	87	5.1	256	6
18/07/24 08:00	6	13	7	23	30	3	8.5	87	5.8	257	6
18/07/24 09:00	3	11	7	21	29	3	8.7	86	5.8	256	7
18/07/24 10:00	3	13	6	14	21	3	9.1	85	4.3	253	7
18/07/24 11:00	20	8	1	4	5	3	10.0	79	5.1	238	7
18/07/24 12:00	1	6	2	4	5	3	10.9	72	5.2	234	6
18/07/24 13:00	0	11	1	2	2	3	11.3	70	6.0	223	5
18/07/24 14:00	-1	12	0	1	1	3	11.4	68	5.0	227	5
18/07/24 15:00	0	11	0	2	2	2	11.4	70	3.3	220	6

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/07/24 16:00	1	10	0	3	3	2	11.6	68	3.3	223	7
18/07/24 17:00	1	14	0	4	4	2	11.8	61	4.5	241	6
18/07/24 18:00	4	11	1	16	17	2	11.7	59	2.6	267	9
18/07/24 19:00	4	17	2	33	35	2	11.4	60	0.7	293	17
18/07/24 20:00	8	43	32	38	70	3	11.0	61	0.9	328	22
18/07/24 21:00	12	36	29	36	64	3	10.5	65	1.5	319	19
18/07/24 22:00	7	20	9	29	39	2	10.3	68	2.0	316	16
18/07/24 23:00	4	26	25	29	54	2	9.9	71	1.3	342	27
19/07/24 00:00	4	20	6	22	28	2	10.3	68	1.6	347	27
19/07/24 01:00	3	17	3	21	24	2	10.1	70	1.8	329	28
19/07/24 02:00	4	15					9.6	73	1.5	338	33
19/07/24 03:00	4	12	1	10	11	1	9.0	74	1.8	0	29
19/07/24 04:00	3	11	0	12	12	1	8.7	76	2.0	0	27
19/07/24 05:00	0	12	0	10	10	1	9.2	72	2.3	360	30
19/07/24 06:00	-2	14	1	9	10	1	9.8	67	3.5	359	26
19/07/24 07:00	0	17	1	12	13	1	10.1	66	3.4	358	30
19/07/24 08:00	0	16	1	14	15	1	10.3	66	4.1	5	25
19/07/24 09:00	1	17	3	15	18	1	10.3	67	3.9	5	27
19/07/24 10:00	5	21	3	12	15	1	10.5	67	3.9	11	24
19/07/24 11:00	4	17	3	15	18	1	10.9	68	2.6	360	32
19/07/24 12:00	1	15	2	11	13	1	11.4	67	3.9	6	28
19/07/24 13:00	0	23	3	9	12	1	11.4	68	5.2	5	26
19/07/24 14:00	1	17	3	9	12	1	11.9	67	5.0	2	27
19/07/24 15:00	2	19	3	11	15	1	11.8	68	5.2	2	25
19/07/24 16:00	2	13	3	11	14	1	11.9	69	4.9	13	23
19/07/24 17:00	2	13	1	8	10	1	11.5	73	4.9	14	21
19/07/24 18:00	0	10	1	10	11	1	11.5	73	4.2	8	25
19/07/24 19:00	0	12	1	10	12	1	11.9	71	4.5	8	24
19/07/24 20:00	-1	10	1	7	8	1	12.0	72	5.4	10	21
19/07/24 21:00	-1	9	1	6	7	1	12.0	74	5.2	8	23
19/07/24 22:00	-2	7	1	5	6	1	12.0	74	4.5	5	25
19/07/24 23:00	1	5	0	5	6	1	12.2	73	3.5	358	29
20/07/24 00:00	-2	4	0	4	4	1	12.6	69	4.0	352	31
20/07/24 01:00	-4	12	0	3	4	1	12.5	71	3.2	332	30
20/07/24 02:00	2	8					12.7	69	2.7	332	31
20/07/24 03:00	2	8	0	5	5	1	12.7	69	3.0	334	30
20/07/24 04:00	0	11	0	6	6	1	12.8	67	3.6	317	24
20/07/24 05:00	2	8	0	6	6	1	12.7	68	2.7	319	27
20/07/24 06:00	2	11	0	6	6	1	12.5	67	6.1	288	15
20/07/24 07:00	2	9	0	6	6	1	11.8	69	5.7	284	13
20/07/24 08:00	3	15	0	6	7	1	11.4	69	6.9	285	13
20/07/24 09:00	4	25	0	8	9	2	11.4	64	7.2	286	13
20/07/24 10:00	4	26	1	8	9	1	11.5	62	7.3	287	13
20/07/24 11:00	5	27	1	7	8	1	11.6	63	7.1	286	13
20/07/24 12:00	4	19	1	7	8	2	11.6	67	7.1	285	12
20/07/24 13:00	1	13	2	6	8	2	12.1	71	7.4	280	12
20/07/24 14:00	1	13	1	5	5	1	12.4	79	8.4	267	8

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/07/24 15:00	3	12	1	5	6	1	12.1	85	8.0	267	7
20/07/24 16:00	4	12	1	6	7	1	12.1	86	8.0	255	7
20/07/24 17:00	6	9	1	8	10	1	12.4	83	7.5	256	7
20/07/24 18:00	5	12	1	9	11	1	12.2	82	7.8	249	7
20/07/24 19:00	4	10	1	8	10	1	11.5	86	7.4	259	8
20/07/24 20:00	2	10	0	7	8	1	11.4	86	7.9	259	7
20/07/24 21:00	3	18	1	6	6	1	11.2	85	8.8	257	7
20/07/24 22:00	5	19	0	6	6	2	11.3	81	7.1	262	7
20/07/24 23:00	8	23	0	7	7	1	10.9	76	5.9	267	7
21/07/24 00:00	5	23	0	6	6	2	10.4	74	4.9	272	8
21/07/24 01:00	8	28	0	7	7	1	10.0	75	2.9	280	11
21/07/24 02:00	7	24					9.3	76	2.6	312	11
21/07/24 03:00	6	25	0	8	8	1	9.5	78	2.9	305	12
21/07/24 04:00	6	21	0	8	9	1	10.0	81	2.2	315	15
21/07/24 05:00	6	19	1	15	16	1	9.9	83	1.3	347	25
21/07/24 06:00	5	19	0	10	10	1	9.8	82	1.3	358	24
21/07/24 07:00	6	19	0	11	11	1	9.8	82	1.5	345	27
21/07/24 08:00	4	15	0	11	11	1	9.4	82	2.0	359	22
21/07/24 09:00	2	12	2	11	13	1	9.9	79	2.1	350	26
21/07/24 10:00	5	19	3	12	15	1	11.3	74	2.2	2	24
21/07/24 11:00	11	20	5	10	15	1	13.6	68	1.9	345	26
21/07/24 12:00	7	18	3	5	9	1	15.4	63	2.7	296	23
21/07/24 13:00	4	9	1	3	4	1	15.4	62	5.0	283	13
21/07/24 14:00	4	12	1	3	4	1	16.3	56	3.4	294	16
21/07/24 15:00	3	16	1	5	6	1	15.6	61	2.6	329	29
21/07/24 16:00	0	9	1	5	6	1	14.9	64	2.4	339	29
21/07/24 17:00	2	8	1	6	7	1	14.0	70	3.2	10	23
21/07/24 18:00	4	10	1	9	10	1	13.7	74	2.9	3	24
21/07/24 19:00	2	7	1	10	11	0	13.3	77	2.9	7	24
21/07/24 20:00	1	11	1	8	9	1	13.0	79	2.9	18	22
21/07/24 21:00	3	12	1	10	11	1	13.4	78	2.5	17	21
21/07/24 22:00	3	11	1	9	10	0	13.7	77	1.9	350	31
21/07/24 23:00	4	15	0	5	6	0	13.9	76	2.2	336	32
22/07/24 00:00	3	9	1	6	7	1	13.6	78	2.2	356	29
22/07/24 01:00	3	16	1	6	7	1	13.3	80	2.2	2	23
22/07/24 02:00	6	16					13.6	78	1.5	350	32
22/07/24 03:00	4	19	0	9	9	1	13.8	77	1.8	0	28
22/07/24 04:00	3	12	0	7	7	1	13.4	81	2.0	7	26
22/07/24 05:00	4	11	0	8	9	1	13.1	82	2.1	351	29
22/07/24 06:00	3	12	1	12	14	1	13.0	82	1.7	2	27
22/07/24 07:00	1	13	3	13	16	1	13.0	80	2.3	3	25
22/07/24 08:00	5	16	11	22	33	1	12.7	82	2.4	9	24
22/07/24 09:00	4	17	18	22	40	1	13.1	80	2.6	4	22
22/07/24 10:00	4	18	8	13	21	1	14.1	75	3.0	11	23
22/07/24 11:00	3	16	8	11	18	1	16.0	67	2.7	353	29
22/07/24 12:00	3	20	5	8	13	1	16.9	62	3.3	316	24
22/07/24 13:00	3	16	3	8	11	1	17.3	60	3.2	332	29

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/07/24 14:00	0	18	2	8	10	1	17.4	59	3.1	321	25
22/07/24 15:00	2	17	2	9	11	1	17.6	59	3.7	307	18
22/07/24 16:00	4	17	3	9	11	1	17.7	60	3.9	309	18
22/07/24 17:00	5	20	2	12	13	1	17.1	63	2.5	329	27
22/07/24 18:00	4	21	2	14	16	1	16.5	69	2.1	352	32
22/07/24 19:00	5	17	1	12	12	1	15.7	73	2.3	330	29
22/07/24 20:00	5	26	1	11	11	1	15.7	72	2.3	350	29
22/07/24 21:00	5	20	1	13	14	1	15.1	75	1.5	1	29
22/07/24 22:00	5	21	1	14	15	1	15.3	74	1.9	348	29
22/07/24 23:00	4	17	1	9	10	1	15.8	70	2.3	346	32
23/07/24 00:00	3	16	0	8	8	1	15.7	68	2.3	330	30
23/07/24 01:00	5	18	0	8	9	1	15.3	70	2.0	351	30
23/07/24 02:00	3	13					14.8	71	2.0	358	24
23/07/24 03:00	1	11	0	8	8	1	14.3	71	2.1	0	23
23/07/24 04:00	3	16	0	7	7	1	14.3	69	2.1	360	23
23/07/24 05:00	2	12	0	7	8	1	14.1	69	2.2	9	21
23/07/24 06:00	0	9	1	12	13	1	13.5	69	2.1	13	23
23/07/24 07:00	2	20	2	19	21	1	13.0	67	2.9	7	21
23/07/24 08:00	3	24	5	22	27	1	12.3	66	2.8	8	23
23/07/24 09:00	3	20	6	16	22	1	12.7	61	3.0	16	24
23/07/24 10:00	4	24	6	12	18	1	13.6	58	3.0	10	22
23/07/24 11:00	3	24	8	11	19	1	15.6	48	3.0	1	27
23/07/24 12:00	1	22	5	8	13	1	16.8	43	2.3	340	35
23/07/24 13:00	-1	18	4	7	11	1	17.6	41	2.5	335	33
23/07/24 14:00	-3	19	3	7	10	0	18.2	41	3.6	4	27
23/07/24 15:00	-1	15	3	7	11	0	18.5	42	3.0	2	25
23/07/24 16:00	2	23	3	9	12	0	18.3	39	3.1	332	29
23/07/24 17:00	1	18	2	9	11	0	17.8	41	2.6	343	32
23/07/24 18:00	0	20	2	14	16	0	16.8	46	2.5	0	27
23/07/24 19:00	3	19	2	18	19	0	15.7	51	2.5	12	21
23/07/24 20:00	2	18	1	14	16	0	15.1	52	3.1	16	21
23/07/24 21:00	2	14	1	9	10	1	14.9	49	3.5	18	22
23/07/24 22:00	2	17	1	8	9	0	14.7	47	4.1	17	22
23/07/24 23:00	2	9	1	8	9	0	14.4	47	3.7	16	20
24/07/24 00:00	3	13	0	7	7	0	14.4	46	3.0	2	24
24/07/24 01:00	3	16	0	6	6	1	14.2	47	3.3	2	25
24/07/24 02:00							14.0	49	4.9	11	18
24/07/24 03:00											
24/07/24 04:00											
24/07/24 05:00											
24/07/24 06:00											
24/07/24 07:00											
24/07/24 08:00											
24/07/24 09:00											
24/07/24 10:00											
24/07/24 11:00											
24/07/24 12:00											

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/07/24 13:00											
24/07/24 14:00											
24/07/24 15:00											
24/07/24 16:00											
24/07/24 17:00											
24/07/24 18:00											
24/07/24 19:00											
24/07/24 20:00											
24/07/24 21:00											
24/07/24 22:00											
24/07/24 23:00											
25/07/24 00:00											
25/07/24 01:00											
25/07/24 02:00											
25/07/24 03:00											
25/07/24 04:00											
25/07/24 05:00											
25/07/24 06:00											
25/07/24 07:00											
25/07/24 08:00											
25/07/24 09:00											
25/07/24 10:00											
25/07/24 11:00											
25/07/24 12:00											
25/07/24 13:00											
25/07/24 14:00			5	31	36		12.3	82	2.7	15	24
25/07/24 15:00		8	13	19	32	1	12.7	80	1.7	1	29
25/07/24 16:00		13	9	18	26	1	13.8	72	2.0	343	31
25/07/24 17:00		10	4	13	17	2	14.7	63	2.8	317	25
25/07/24 18:00		9	2	19	22	1	13.4	70	2.1	5	26
25/07/24 19:00		14	1	13	14	1	12.2	78	2.9	10	21
25/07/24 20:00	0	8	2	17	19	1	11.6	80	2.5	4	24
25/07/24 21:00	2	11	1	12	13	2	12.0	75	2.7	0	30
25/07/24 22:00	1	13	2	16	17	2	12.5	72	2.5	342	31
25/07/24 23:00	-1	9	1	9	11	2	12.1	78	3.3	282	17
26/07/24 00:00	0	12	0	15	15	2	11.6	76	2.0	309	13
26/07/24 01:00	1	12	7	28	35	1	11.3	75	1.6	320	18
26/07/24 02:00	4	14					10.7	79	1.7	321	22
26/07/24 03:00	3	13	3	21	24	1	9.9	81	1.4	326	30
26/07/24 04:00	1	13	11	26	37	1	9.2	81	1.2	342	32
26/07/24 05:00	3	9	5	18	23	1	8.9	82	2.0	332	26
26/07/24 06:00	2	13	3	19	22	1	8.8	83	2.1	357	26
26/07/24 07:00	2	13	8	24	32	0	8.7	83	2.6	4	24
26/07/24 08:00	2	14	3	19	22	0	9.1	81	3.5	17	21
26/07/24 09:00	6	20	9	21	31	1	9.9	76	2.6	12	25
26/07/24 10:00	5	19	10	16	25	1	11.6	69	3.3	3	25
26/07/24 11:00	7	23	5	10	14	1	13.3	63	3.1	12	24

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/07/24 12:00	6	22	5	10	15	1	15.0	57	3.1	320	25
26/07/24 13:00	3	17	4	8	12	1	15.3	59	3.2	347	27
26/07/24 14:00	2	19	3	6	10	1	14.1	65	5.0	7	23
26/07/24 15:00	3	21	3	7	10	1	14.4	63	4.2	1	27
26/07/24 16:00	2	18	3	7	10	1	14.6	63	4.0	352	30
26/07/24 17:00	3	18	2	9	12	1	14.3	66	4.9	4	25
26/07/24 18:00	2	12	1	9	10	1	14.0	68	4.4	7	22
26/07/24 19:00	2	14	1	11	12	1	14.0	67	4.1	7	24
26/07/24 20:00	3	10	0	7	8	1	14.0	67	4.3	9	21
26/07/24 21:00	1	16	0	6	7	1	13.7	69	4.0	8	23
26/07/24 22:00	3	9	0	6	7	1	13.4	70	3.5	8	23
26/07/24 23:00	4	13	0	7	7	1	13.6	67	4.1	5	24
27/07/24 00:00	3	9	0	7	8	1	13.5	67	3.6	356	31
27/07/24 01:00	1	9	0	5	6	0	13.4	69	3.4	350	32
27/07/24 02:00	1	7					13.0	70	3.6	359	28
27/07/24 03:00	3	4	0	5	5	0	12.6	71	3.5	3	27
27/07/24 04:00	3	8	0	4	5	0	12.4	72	3.0	337	32
27/07/24 05:00	3	7	0	4	4	1	12.1	72	3.0	347	32
27/07/24 06:00	2	3	0	5	6	1	11.7	73	3.3	357	30
27/07/24 07:00	2	9	0	7	7	1	11.1	75	2.9	355	28
27/07/24 08:00	0	7	1	9	9	0	10.8	75	3.3	4	25
27/07/24 09:00	0	9	2	9	10	1	11.1	73	3.0	358	31
27/07/24 10:00	1	15	2	8	10	1	11.1	73	2.5	335	31
27/07/24 11:00	2	16	3	7	10	1	12.0	70	2.1	328	30
27/07/24 12:00	3	9	2	7	9	1	12.0	71	3.6	278	14
27/07/24 13:00	2	12	2	12	14	1	10.7	82	2.7	286	14
27/07/24 14:00	3	10	3	15	18	1	10.4	86	2.7	283	14
27/07/24 15:00	1	9	2	10	12	1	10.1	82	3.0	268	11
27/07/24 16:00	0	11	4	19	23	1	10.3	81	1.4	306	16
27/07/24 17:00	3	9	2	11	13	1	10.3	81	2.3	284	14
27/07/24 18:00	5	10	1	10	11	1	9.9	82	4.5	252	10
27/07/24 19:00	4	10	1	11	11	0	8.5	82	3.5	258	10
27/07/24 20:00	4	14	0	18	19	0	7.7	84	1.7	309	14
27/07/24 21:00	4	12	0	19	20	0	7.8	80	2.8	298	12
27/07/24 22:00	5	9	0	14	15	0	7.5	81	2.6	284	16
27/07/24 23:00	3	10	0	4	4	0	7.6	80	4.4	274	11
28/07/24 00:00	4	10	0	10	10	0	7.0	82	2.9	289	13
28/07/24 01:00	2	6	0	3	4	1	6.9	82	4.5	271	10
28/07/24 02:00	2	7					6.5	82	3.2	283	14
28/07/24 03:00	1	8	0	6	7	1	6.6	82	3.9	284	13
28/07/24 04:00	0	7	0	10	10	1	6.6	83	3.9	288	14
28/07/24 05:00	3	7	0	7	7	1	6.8	86	4.1	281	12
28/07/24 06:00	1	7	0	3	3	1	7.2	89	4.8	273	9
28/07/24 07:00	6	11	0	7	8	1	7.9	85	6.4	259	8
28/07/24 08:00	4	11	1	11	12	1	8.0	86	6.9	249	7
28/07/24 09:00	6	9	2	11	14	1	8.1	83	6.9	256	6
28/07/24 10:00	5	8	3	10	12	1	8.6	82	7.4	244	7

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/07/24 11:00	2	14	2	6	9	1	9.2	78	5.7	242	7
28/07/24 12:00	0	14	1	2	3	1	10.3	74	6.6	228	5
28/07/24 13:00	1	17	0	1	1	1	10.2	76	6.5	228	6
28/07/24 14:00	3	18	0	1	1	1	10.6	74	7.3	228	5
28/07/24 15:00	5	17	0	1	1	1	11.6	66	8.1	205	5
28/07/24 16:00	5	20	0	1	1	1	11.5	66	8.2	210	5
28/07/24 17:00	3	17	0	1	1	1	11.1	69	7.9	217	5
28/07/24 18:00	2	16	0	1	1	1	11.0	69	6.2	206	4
28/07/24 19:00	2	14	0	1	1	1	10.6	71	5.7	202	6
28/07/24 20:00	2	14	0	2	2	1	10.1	77	4.6	218	5
28/07/24 21:00	4	9	0	2	3	1	9.6	82	6.0	226	5
28/07/24 22:00	1	9	0	1	1	1	9.6	84	4.5	207	6
28/07/24 23:00	-1	10	2	14	16	1	9.5	83	4.0	240	7
29/07/24 00:00	2	12	0	5	5	1	9.3	85	3.5	225	5
29/07/24 01:00	4	11	1	10	11	1	9.0	86	3.7	250	8
29/07/24 02:00	2	7					8.3	87	4.0	252	7
29/07/24 03:00	3	9	1	14	15	1	8.3	88	3.7	256	7
29/07/24 04:00	4	6	1	15	16	1	8.5	88	3.8	258	7
29/07/24 05:00	1	6	1	9	10	1	8.4	92	4.0	252	7
29/07/24 06:00	-1	10	1	11	12	1	8.4	92	4.2	253	7
29/07/24 07:00	0	9	4	18	21	1	8.4	93	2.6	245	9
29/07/24 08:00	3	9	3	21	25	1	8.4	93	0.9	275	16
29/07/24 09:00	2	9	15	27	42	1	8.3	96	0.9	287	14
29/07/24 10:00	3	8	16	25	41	1	8.6	97	0.6	282	15
29/07/24 11:00	2	10	29	28	57	1	9.3	96	0.5	39	27
29/07/24 12:00	4	17	40	30	70	1	10.0	95	0.8	317	25
29/07/24 13:00	4	18	24	25	50	1	11.0	93	0.1	165	41
29/07/24 14:00	6	10	9	16	25	1	11.3	91	1.3	119	15
29/07/24 15:00	5	10	2	8	10	1	11.1	91	0.6	142	31
29/07/24 16:00	2	11	2	8	9	1	12.0	87	0.8	140	23
29/07/24 17:00	2	10	1	6	7	1	11.6	91	1.3	118	13
29/07/24 18:00	1	10	0	4	4	1	11.4	93	0.9	149	19
29/07/24 19:00	0	9	0	3	4	1	11.2	94	0.2	219	17
29/07/24 20:00	-2	7	0	6	6	1	11.0	95	0.5	279	11
29/07/24 21:00	1	10	1	15	16	1	11.0	96	0.5	280	12
29/07/24 22:00	3	13	12	26	38	1	10.9	97	0.6	254	18
29/07/24 23:00	6	11	3	24	27	1	10.8	97	0.4	270	18
30/07/24 00:00	5	13	1	19	20	1	10.4	98	0.2	208	15
30/07/24 01:00	6	13	0	14	14	0	10.2	98	0.3	191	22
30/07/24 02:00	7	14					10.3	99	0.4	170	22
30/07/24 03:00	7	11	0	12	12	1	9.8	99	0.5	208	19
30/07/24 04:00	5	9	10	21	32	1	9.4	99	0.8	248	19
30/07/24 05:00	5	7	9	21	30	1	8.7	99	0.6	120	16
30/07/24 06:00	5	9	3	21	24	1	8.4	100	0.1	53	29
30/07/24 07:00	6	10	26	23	49	1	8.7	100	0.3	51	19
30/07/24 08:00	17	21	53	28	81	2	9.0	100	0.5	24	30
30/07/24 09:00	10	19	39	24	63	2	8.7	99	0.8	357	21

Station Pier Ambient Air Quality Monitoring

July 2024

1-Hour Data

Date/Time	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/07/24 10:00	6	17	34	21	54	1	9.6	87	1.2	324	26
30/07/24 11:00	6	22	40	22	62	2	10.6	81	0.7	306	38
30/07/24 12:00	9	17	45	21	66	2	12.1	76	1.1	196	21
30/07/24 13:00	7	17	35	21	56	2	12.3	74	1.7	202	12
30/07/24 14:00	8	15	20	19	39	2	12.4	76	2.2	199	11
30/07/24 15:00	6	13	9	12	22	2	11.9	77	3.6	206	3
30/07/24 16:00	5	11	4	11	15	1	12.5	74	2.9	200	7
30/07/24 17:00	3	9	3	13	16	1	12.1	79	3.5	207	4
30/07/24 18:00	3	11	1	11	12	0	11.8	81	2.5	193	11
30/07/24 19:00	4	14	3	17	20	1	11.2	84	2.0	193	10
30/07/24 20:00	5	10	2	16	18	0	11.1	87	1.8	151	19
30/07/24 21:00	6	14	0	15	15	1	10.4	81	2.7	114	11
30/07/24 22:00	9	19	0	16	17	0	9.5	80	2.3	103	7
30/07/24 23:00	8	16	0	18	19	0	8.8	81	1.1	106	8
31/07/24 00:00	8	19	1	21	21	0	8.2	85	0.7	134	20
31/07/24 01:00	10	25	19	28	47	1	7.8	89	0.7	281	20
31/07/24 02:00	13	38					6.6	93	1.2	314	14
31/07/24 03:00	15	30	43	25	69	1	6.4	94	1.5	318	12
31/07/24 04:00	12	38	65	25	89	1	5.7	94	1.6	352	10
31/07/24 05:00	13	32	52	22	74	1	5.4	95	1.3	358	10
31/07/24 06:00	13	29	56	23	79	1	5.7	95	0.9	4	11
31/07/24 07:00	20	38	44	24	68	1	6.1	96	0.6	355	24
31/07/24 08:00	17	40	44	22	66	0	6.0	95	0.6	93	26
31/07/24 09:00	27	42	41	22	63	1	6.1	94	0.5	59	26
31/07/24 10:00	35	66	83	25	107	1	6.5	92	0.7	278	23
31/07/24 11:00	39	73	100	28	128	1	6.7	92	1.4	265	16
31/07/24 12:00	35	63	82	29	110	1	6.9	89	1.1	266	23
31/07/24 13:00	45	79	98	31	129	2	7.9	84	0.3	179	26
31/07/24 14:00	45	74	93	31	124	2	9.8	75	1.0	175	23
31/07/24 15:00	36	50	64	30	94	2	11.3	67	0.7	85	29
31/07/24 16:00	20	38	33	25	58	2	12.4	62	0.9	115	24
31/07/24 17:00	22	41	31	27	58	1	11.5	71	1.6	207	10
31/07/24 18:00	34	47	40	32	72	1	9.7	82	1.1	211	8
31/07/24 19:00	32	47	52	32	83	1	8.9	85	0.2	254	19
31/07/24 20:00	38	56	74	34	108	1	8.2	89	0.5	296	11
31/07/24 21:00	27	45	61	30	90	1	8.0	88	0.8	284	8
31/07/24 22:00	30	66	129	36	165	2	7.5	88	0.9	319	12
31/07/24 23:00	42	102	206	42	248	3	7.2	88	2.0	344	12
01/08/24 00:00	30	56	124	33	157	2	6.5	89	2.3	357	10

Station Pier Ambient Air Quality Monitoring

July 2024

1-Day Data

Date	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
7/1/2024	1	13	3	11	14	1	10.5	78	1.6	208	10
7/2/2024	7	24	32	21	53	2	9.3	75	0.5	146	15
7/3/2024	12	29	47	23	70	2	7.9	78	0.4	181	17
7/4/2024	15	34	61	23	84	1	7.7	90	0.1	325	16
7/5/2024	10	22	27	15	43	1	10.6	86	1.0	153	15
7/6/2024	8	18	6	12	18	1	9.0	78	1.0	109	16
7/7/2024	12	19	9	14	23	1	9.5	77	0.7	61	18
7/8/2024	6	18	35	18	53	1	12.6	75	1.3	20	20
7/9/2024	3	10	2	7	10	0	12.5	96	3.7	236	7
7/10/2024	4	14	3	14	17	1	11.9	76	2.9	282	15
7/11/2024	3	13	1	9	10	1	12.5	71	4.0	5	25
7/12/2024	6	17	25	18	42	1	12.1	85	0.7	9	20
7/13/2024	4	15	11	11	22	1	11.0	85	1.5	244	12
7/14/2024	2	10	1	6	7	1	9.7	84	4.9	246	7
7/15/2024	1	10	2	11	13	1	10.0	85	7.1	263	8
7/16/2024	5	22	2	5	7	0	12.5	94	4.8	212	5
7/17/2024	5	17	7	10	18	1	11.3	91	3.7	237	7
7/18/2024	4	15	6	16	22	3	10.2	75	3.6	253	10
7/19/2024	1	14	2	10	12	1	10.9	70	3.8	4	27
7/20/2024	3	15	1	6	7	1	11.9	74	5.9	275	14
7/21/2024	4	15	1	8	9	1	12.4	74	2.1	335	22
7/22/2024	4	17	3	11	14	1	15.1	72	2.3	343	27
7/23/2024	2	17	3	11	13	1	15.3	54	2.7	3	25
7/24/2024	3	16	0	6	6	1	14.2	47	3.6	4	23
7/25/2024	0	11	4	16	19	1	12.6	75	2.1	344	25
7/26/2024	3	15	4	13	17	1	12.3	71	3.1	359	25
7/27/2024	2	10	1	10	11	1	10.4	77	2.3	313	21
7/28/2024	3	12	1	5	5	1	9.1	79	5.1	236	7
7/29/2024	3	10	7	16	23	1	9.9	93	1.2	249	16
7/30/2024	7	14	15	18	33	1	10.3	87	0.9	182	17
7/31/2024	27	51	71	28	99	1	7.7	87	0.4	317	17

Valid Data Exception Table
July 2024
GHD Station Pier

Start Date	End Date	Reason	Change Details	User Name	Change Date
01/07/24 00:00	28/07/24 00:55	Intermittent static offsets of +0.5ppb, +0.9ppb, +1ppb and +1.4ppb applied to correct the baseline	SO ₂	AA	13/08/24
01/07/24 01:00	31/07/24 01:55	Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation	NO, NO ₂ , NO _x , SO ₂	AA	13/08/24
01/07/24 23:45	31/07/24 23:50	Automatic background checks from 23:45 to 23:50 every night	SO ₂	AA	13/08/24
09/07/24 08:50	09/07/24 11:00	Scheduled monthly maintenance followed by instrument stabilisation	All parameters	AA	13/08/24
24/07/24 01:00	25/07/24 18:00	Instrument fault - Possible power interruption followed by instrument stabilisation	All parameters	AA	13/08/24
25/07/24 14:05	28/07/24 00:55	Linear offset A= -2.0ppb; B = +0.1ppb applied to correct baseline drift	SO ₂	AA	13/08/24
28/07/24 09:55	28/07/24 09:55	Unrealistic negative reading	NO, NO ₂ , NO _x	AA	13/08/24

Kunak VIC 6

Start Date	End Date	Reason	Change Details	User Name	Change Date
07/07/24 19:35	23/07/24 00:00	Intermittent instrument fault - Data transmission error	All parameters	AA	13/08/24
09/07/24 08:00	09/07/24 11:30	Scheduled monthly maintenance	Nil	AA	13/08/24
24/07/24 10:35	25/07/24 13:25	Instrument fault - Possible power interruption followed by instrument stabilisation	All parameters	AA	13/08/24

Kunak VIC 7- 40 Beacon Vista

Start Date	End Date	Reason	Change Details	User Name	Change Date
27/07/24 05:25	27/07/24 05:45	Instrument fault - Possible power interruption followed by instrument stabilisation	All parameters	AA	13/08/24

Kunak VIC 8 - Site 2

Start Date	End Date	Reason	Change Details	User Name	Change Date
01/07/24 00:00	01/08/24 00:00	Sensor powered up in workshop after repair, testing before data collection begins	Nil	AA	13/08/24

These tables include all changes made to data during the validation process



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→ **The Power of Commitment**