



Station Pier Air Quality Monitoring Program

**Air Quality Monitoring Report –
December 2024**

Ports Victoria

11 February 2025

→ **The Power of Commitment**



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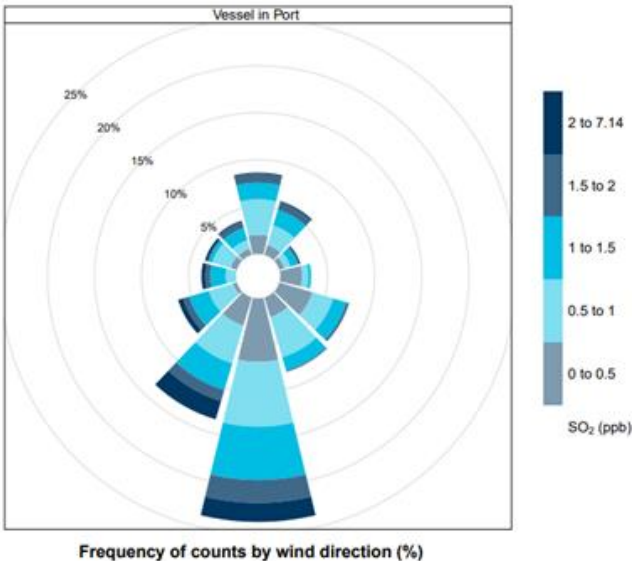
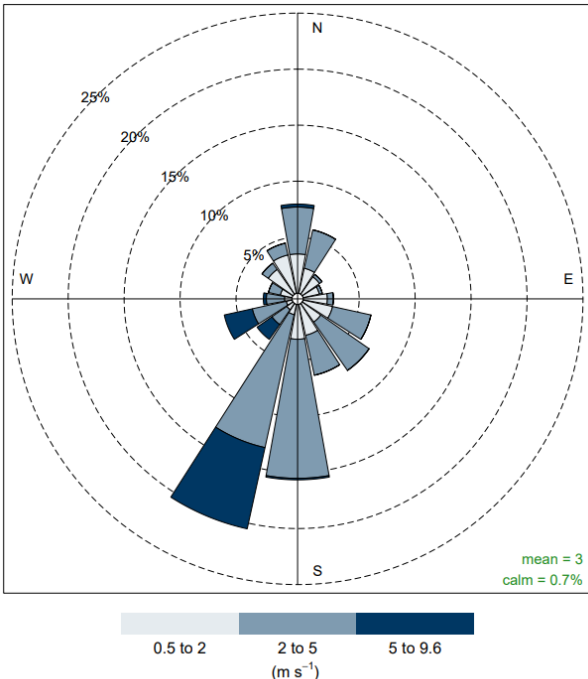
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Glossary of terms

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.

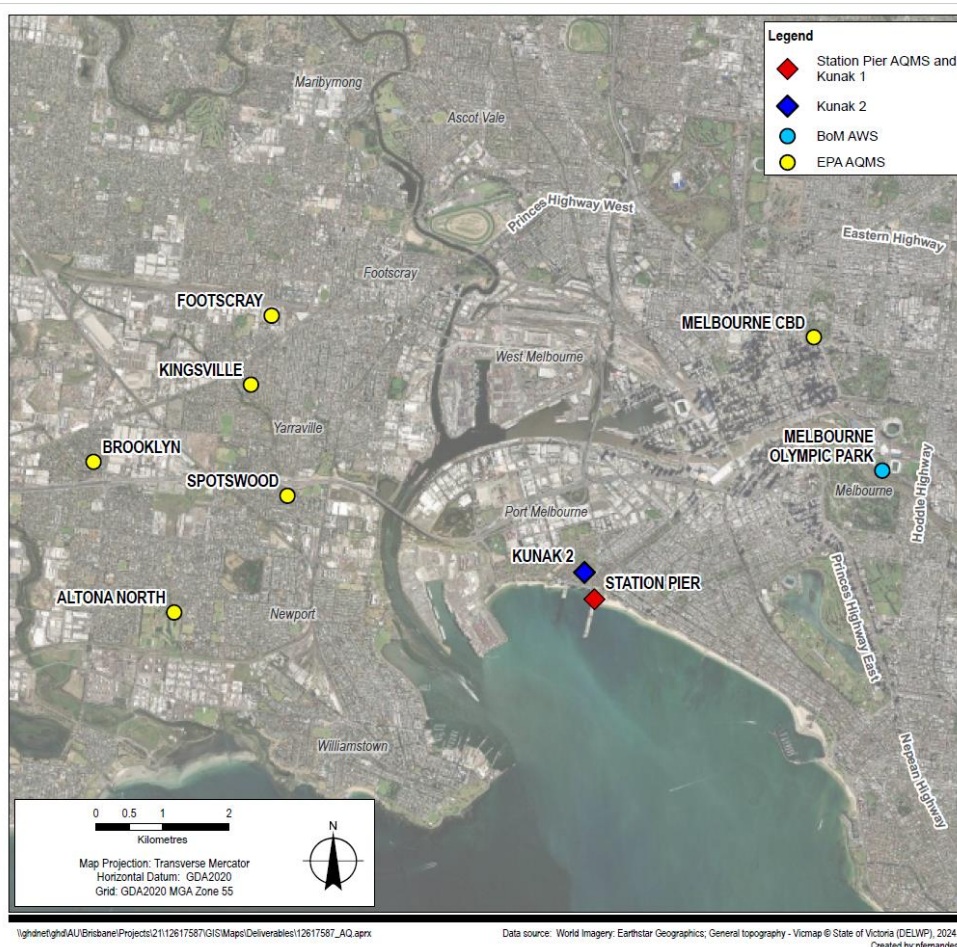


Figure 1 Air quality monitoring program location

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 – December 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 December 2024 to 31 December 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 2023 and 31 December 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 December 2024 to 31 December 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 December 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 December 16. The maximum 24-hour average concentration was 56.5 µg/m³, which is 13% above the criterion.

On December 16, two vessels were present at the port:

- Victorian Reliance II was present for the entire day
- Crown Princess (P) was present between 5am and 5:40pm

Bushfires were reported at Boisdale within the Avon-Mt Hedrick Scenic Reserve, located approximately 170 km east of Station Pier.

Elevated PM₁₀ concentrations were also observed at the EPA station located at Brooklyn on December 16. The higher concentrations of PM₁₀ observed at both Station Pier AQMS and the EPA station indicate that there was likely a regional emission source(s) contributing to elevated levels, rather than a localised source.

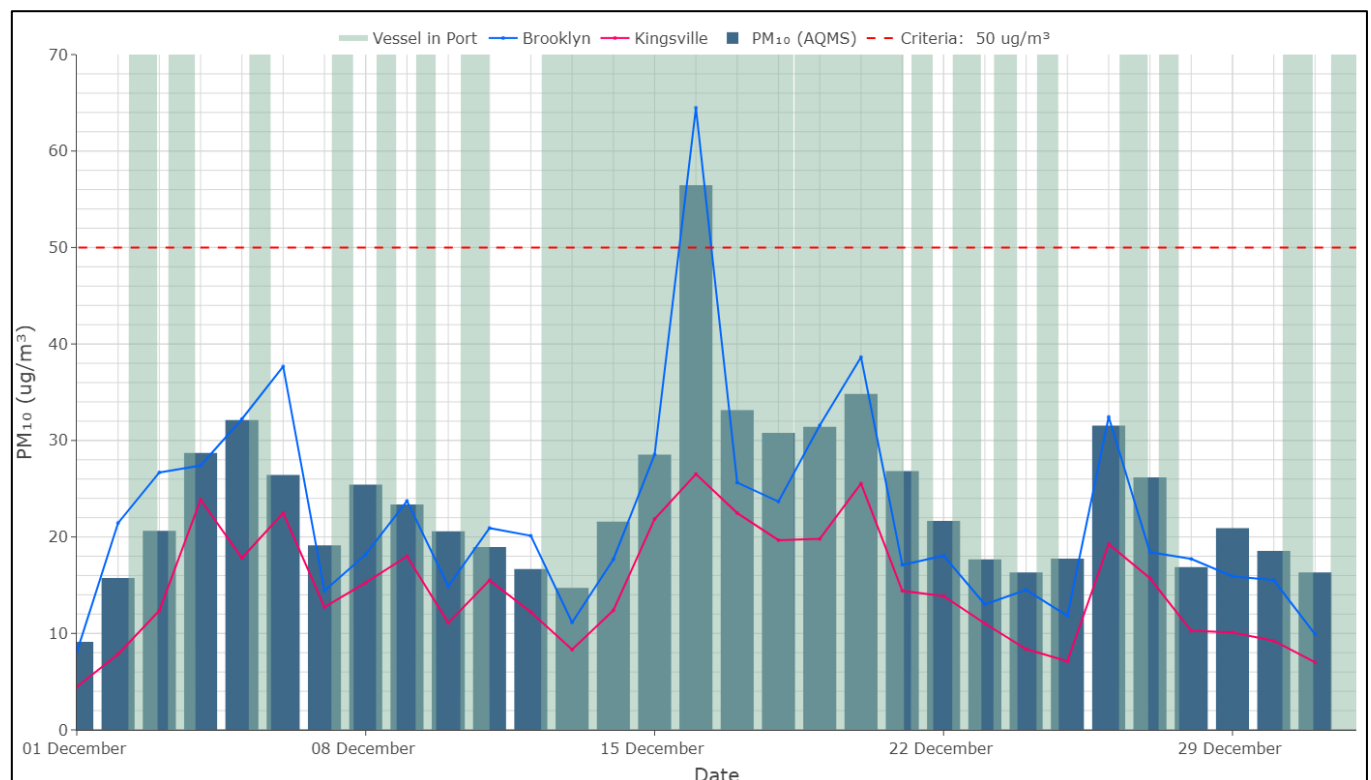


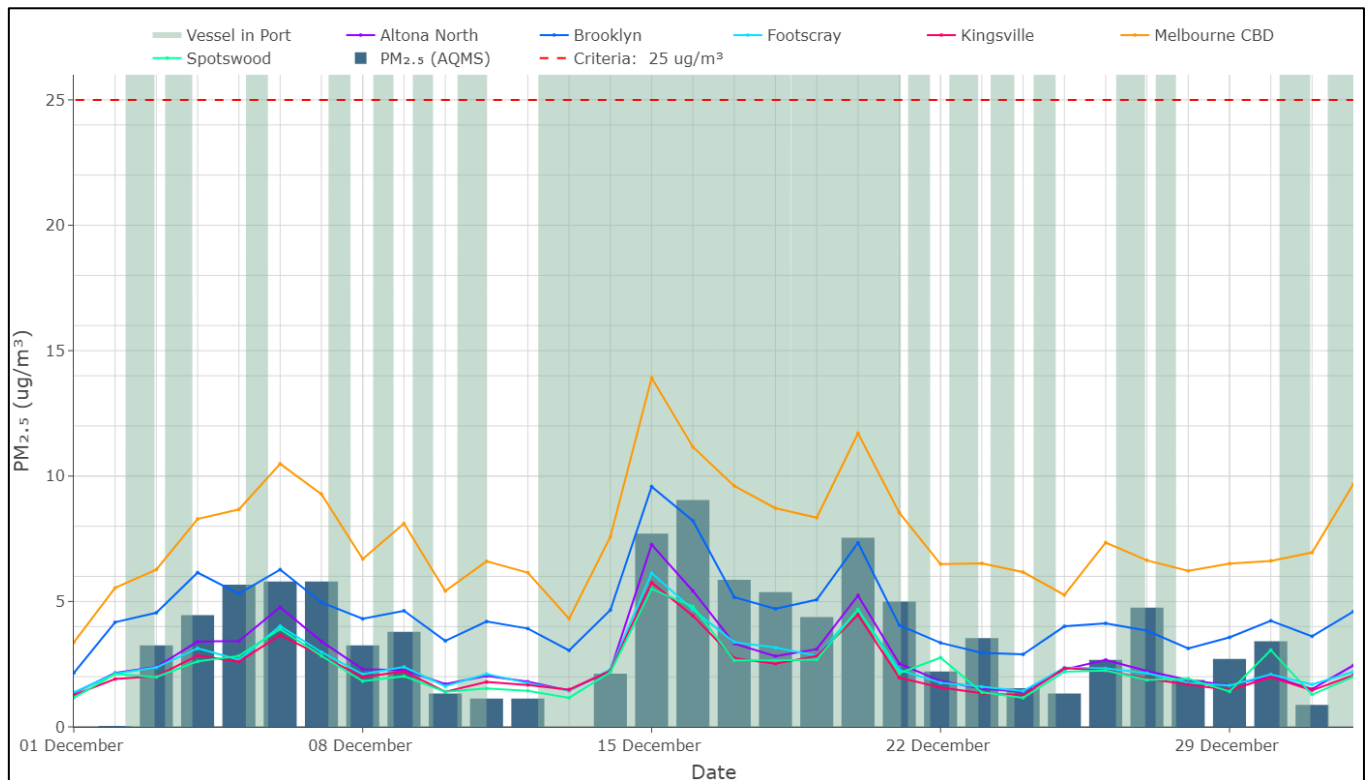
Figure 2 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier and local EPA stations (December 2024) (criteria: 50 µg/m³)

3.2 PM_{2.5}

The 24-hour average PM_{2.5} concentrations observed in December 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. The maximum 24-hour average concentration recorded was 9.0 µg/m³, which is 64% below the criterion.



Note: PM_{2.5} 24-hour average concentrations were zero on 1, 2 and 14 December 2024

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

3.3 NO₂

The hourly average NO₂ concentrations observed in December 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 33.9 ppb, which is 58% below the criterion.

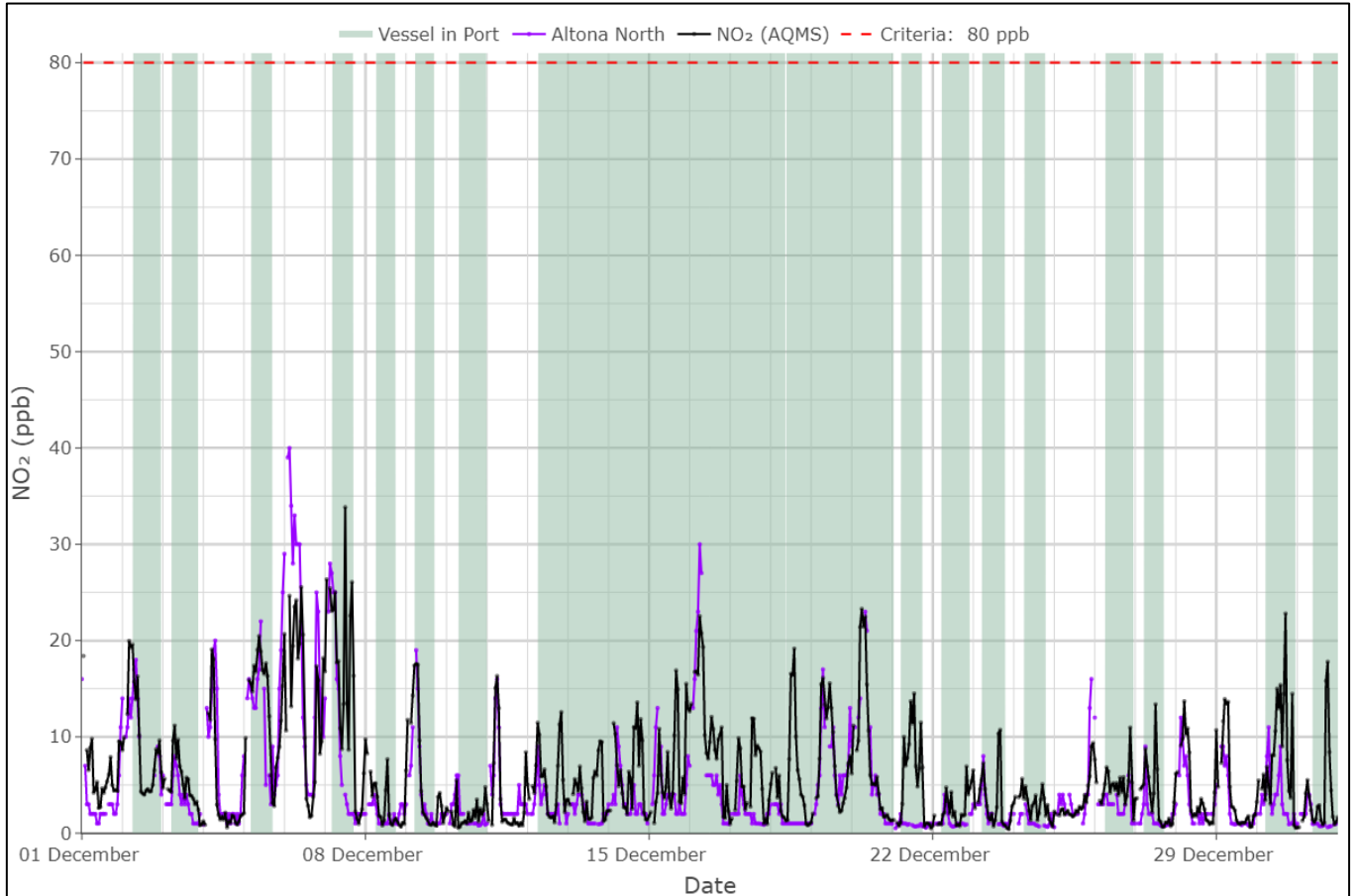


Figure 4 Hourly average NO₂ concentrations (ppb) at Station Pier and local EPA stations (December 2024) (criteria: 80 ppb)

3.4 SO₂

The hourly and 24-hour average SO₂ concentrations observed in December 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 6.0 ppb, which is 92% below the criterion.
- All 24-hour average SO₂ concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 3.0 ppb, which is 85% below the criterion.

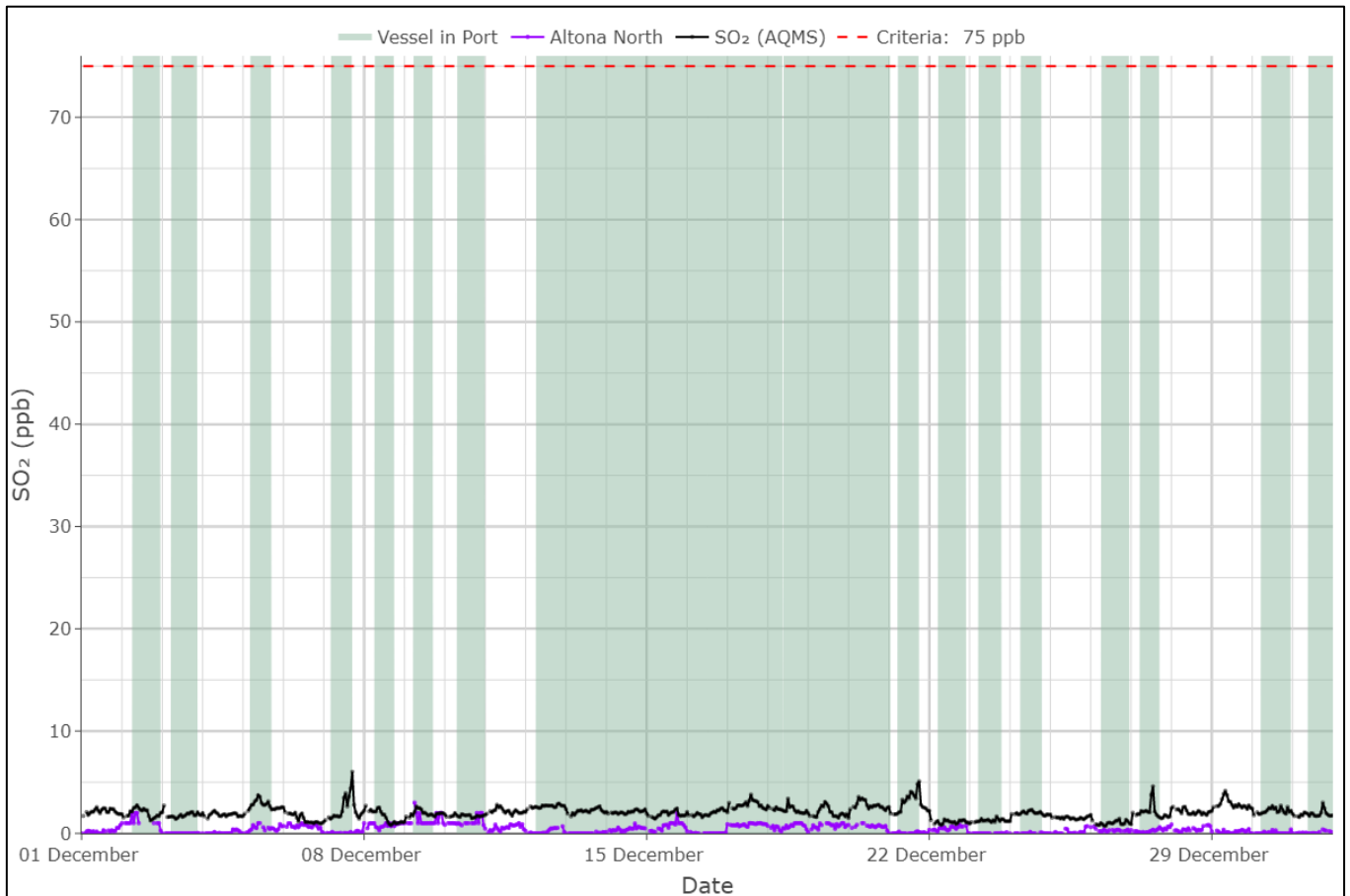


Figure 5 Hourly average SO₂ concentrations (ppb) at Station Pier and local EPA Station (December 2024) (criteria: 75 ppb)

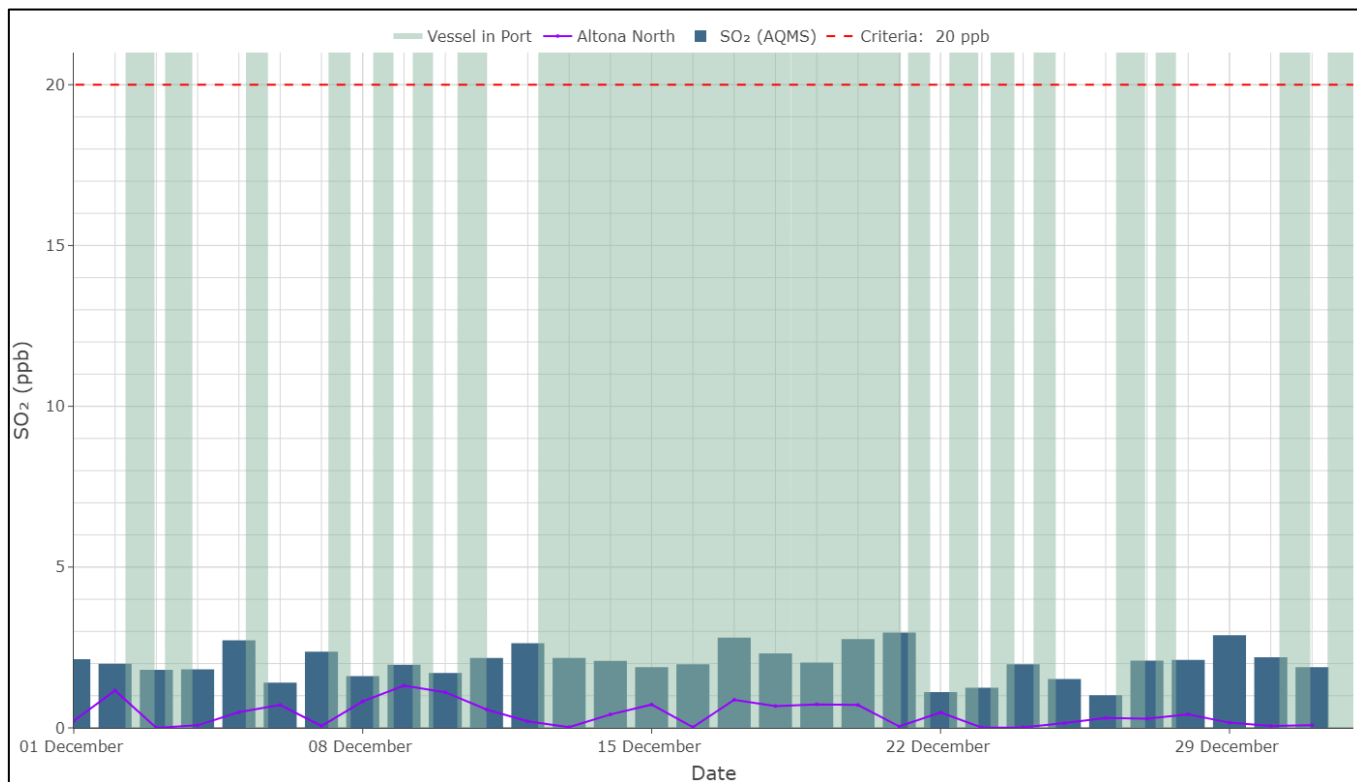


Figure 6 24-hour average SO₂ concentrations (ppb) at Station Pier and local EPA Station (December 2024) (criteria: 20 ppb)

3.5 Summary

All PM₁₀ concentrations were below the adopted criterion, except on December 16. The maximum 24-hour average concentration was 56.5 µg/m³, which is 13% above the criterion. Elevated PM₁₀ concentrations were also observed at the EPA station located at Brooklyn on December 16, which indicates that there was likely a regional emission source(s) contributing to elevated levels, rather than a localised source.

All observations of PM_{2.5} and NO₂ and SO₂ during the month of December 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 – December 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	

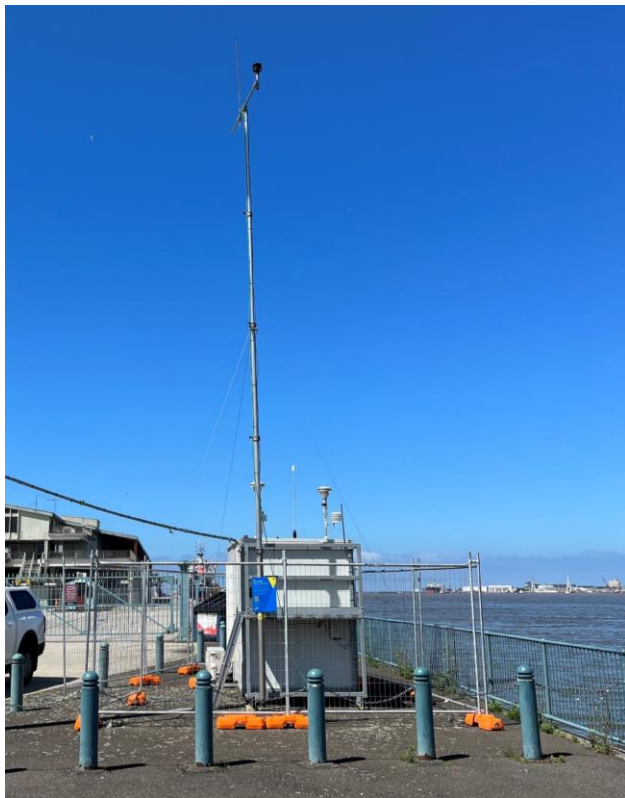


Figure B.1 Photograph of AQMS

B-1-2 Monitoring period

The monitoring period for this report is 1 December 2024 to 31 December 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 December 2024 to 31 December 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 December 2024	Reason for missing data
PM ₁₀	µg/m ³	99%	– Scheduled monthly maintenance (17 December 09:25 to 11:00) – Instrument fault – unrealistic reading (17 December 04:00)
PM _{2.5}	µg/m ³	99%	– Scheduled monthly maintenance (17 December 09:25 to 11:00)
NO ₂	ppb	96%	– Scheduled monthly maintenance (17 December 09:25 to 11:00) – Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation (1 December 01:00 to 31 December 01:55) – Intermittent unrealistic negative readings (3 December 17:10 to 30 December 19:55)
SO ₂	ppb	96%	– Scheduled monthly maintenance (17 December 09:25 to 11:00) – Automatic calibration checks occurring every night between 01:00 and 01:55 followed by intermittent instrument stabilisation (1 December 01:00 to 31 December 01:55) – Automatic background checks every night between 23:45 and 23:50 (1 December 23:45 to 31 December 23:50). – Static offset of +1.6 ppb applied to correct SO₂ baseline (1 December 00:00 to 1 January 00:00) – Linear offsets of A=+0.0ppb; B=+1.5ppb applied to correct baseline drift (2 December 02:00 to 3 December 00:55) – Linear offsets of A=+0.0ppb; B=+1.0ppb applied to correct baseline drift (16 December 02:00 to 17 December 00:55)
Wind speed	m/s	100%	– No missing data
Wind direction	°	100%	– No missing data
Ambient temperature	°C	100%	– No missing data
Relative humidity	%	100%	– No missing data
Sigma	°	100%	– No missing data

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 December 2024.

The average wind rose for the data period is shown in Figure B.2 and it shows the following features:

- The predominant monthly average wind direction was from the south comprising 21% of all incident winds, followed by winds from the south-southeast (12%) and the south-southwest (11%).
- The average wind speed was at 3.6 m/s.
- Calms (wind speeds less than 0.5 m/s) occurred 0.8% of the time.
- Winds from the southeast, southwest and west-southwest each occurred between 5 and 10% of the time.
- Winds from the remaining directions each occurred for less than 5% of the time.

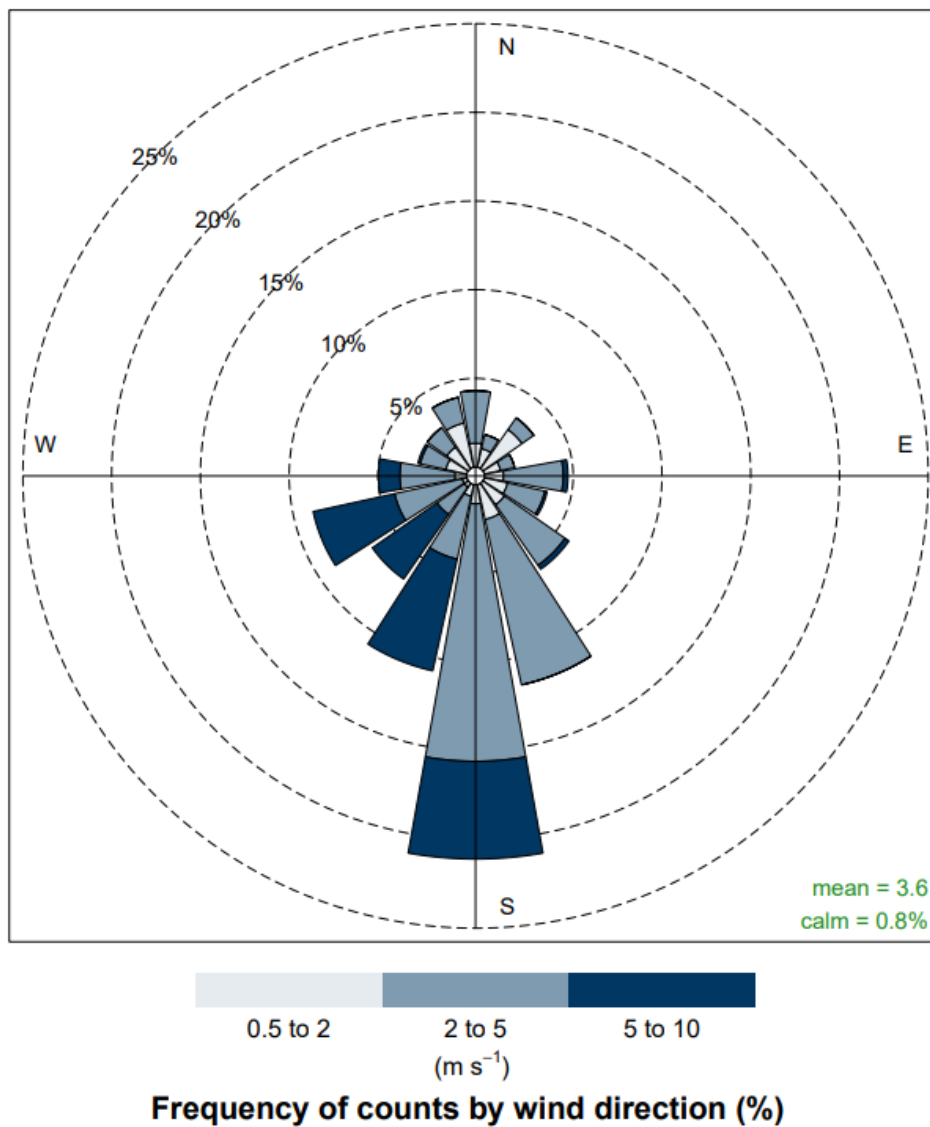


Figure B.2 December 2024 windrose at Station Pier

B-2-2 Other meteorological parameters

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

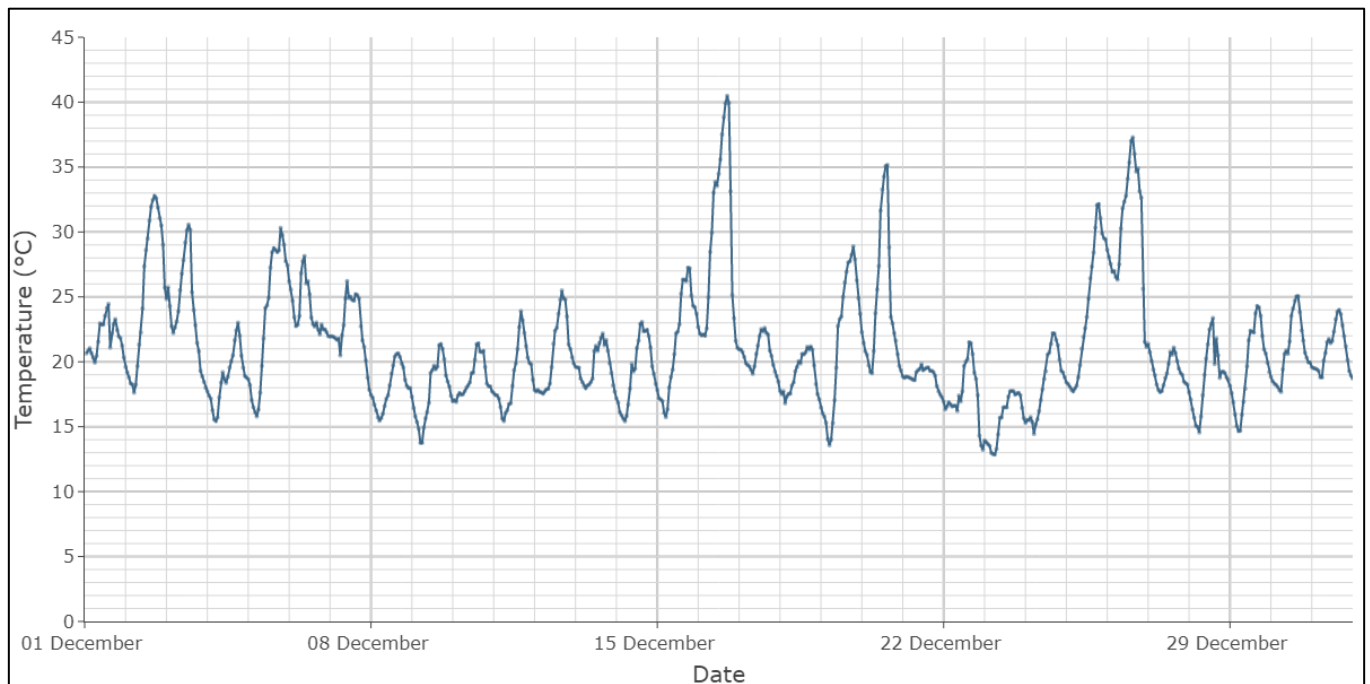


Figure B.3 December 2024 temperature observations at Station Pier

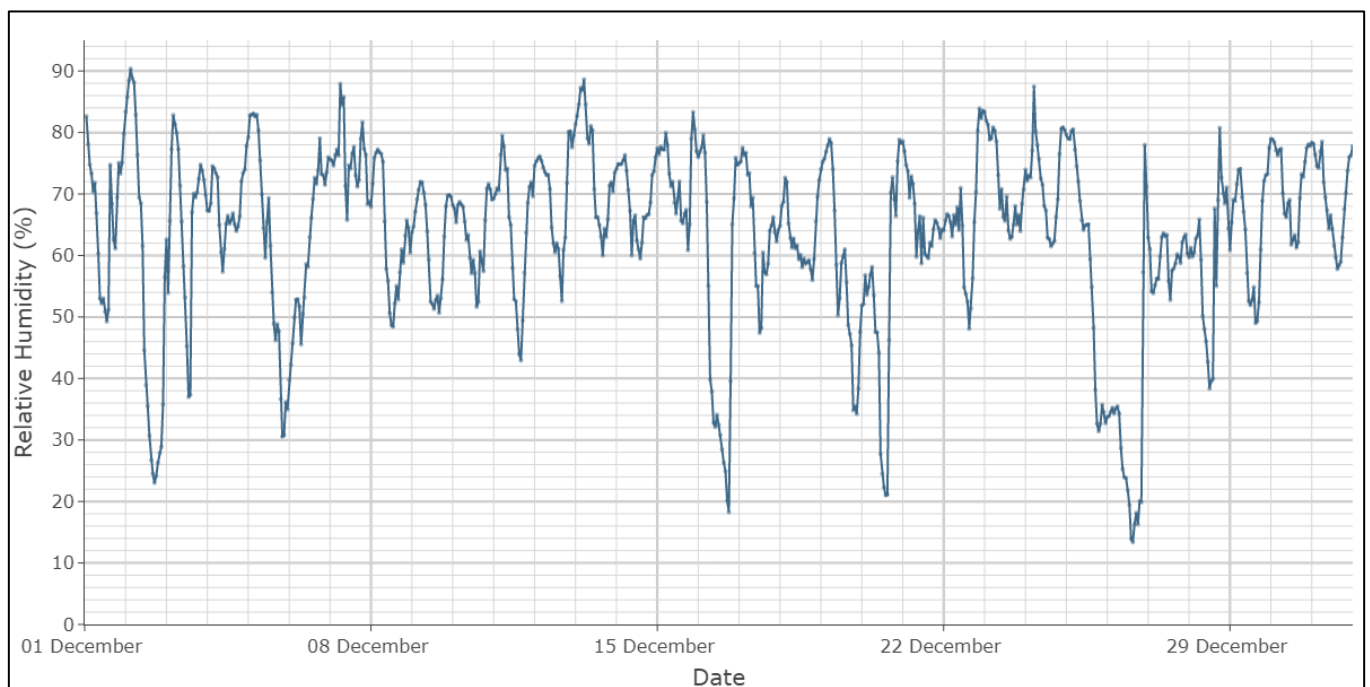


Figure B.4 December 2024 relative humidity observations at Station Pier

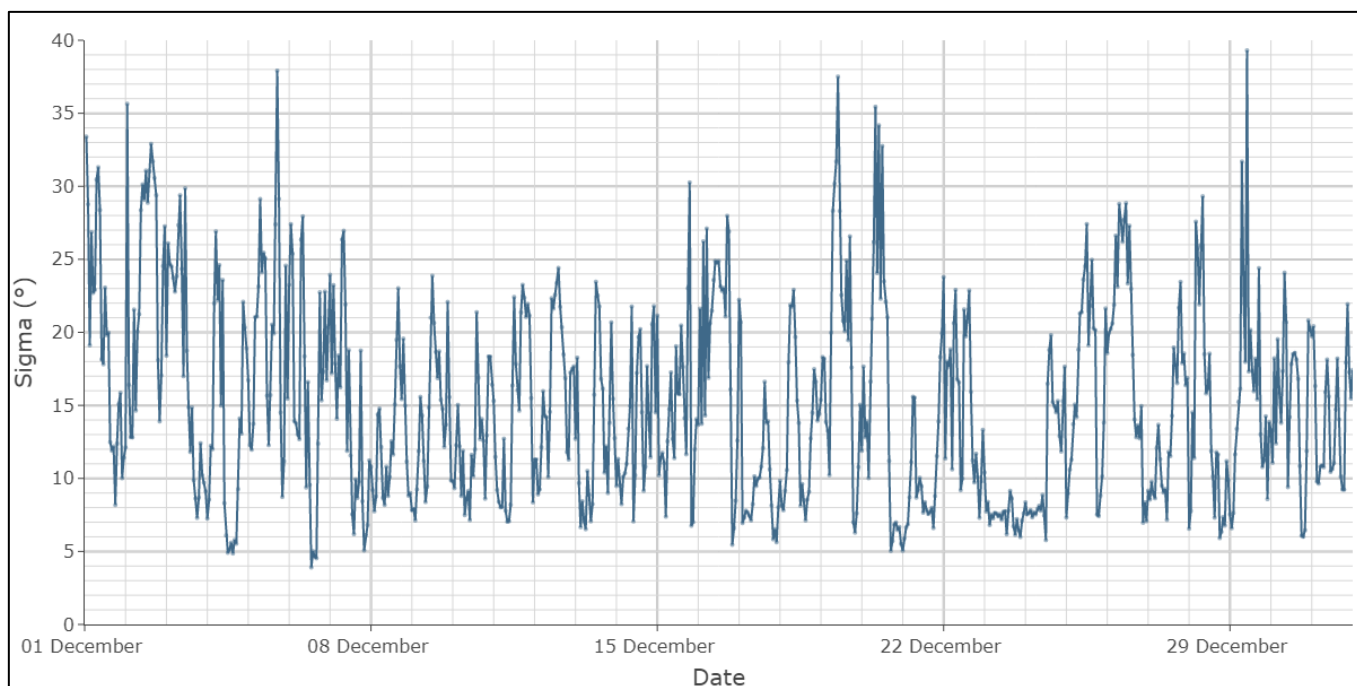


Figure B.5 *December 2024 sigma observations at Station Pier*

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.

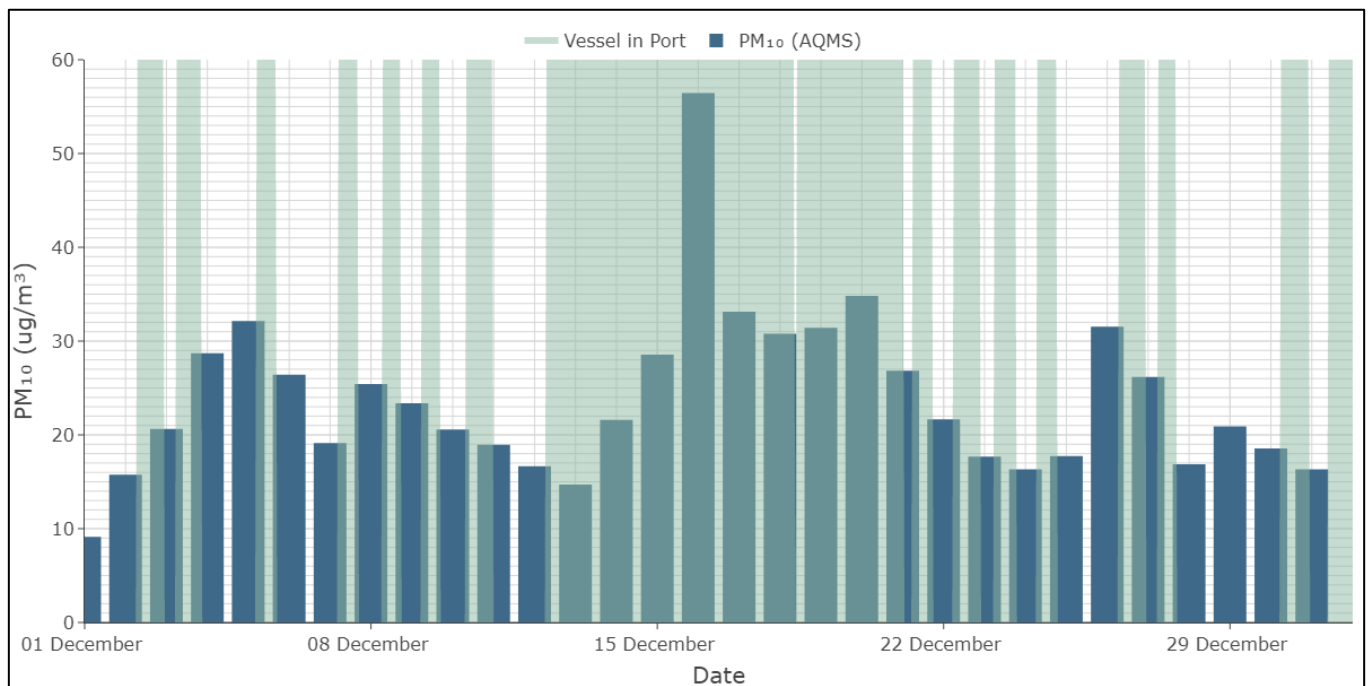


Figure B.6 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier (December 2024) (criteria: 50 µg/m³)

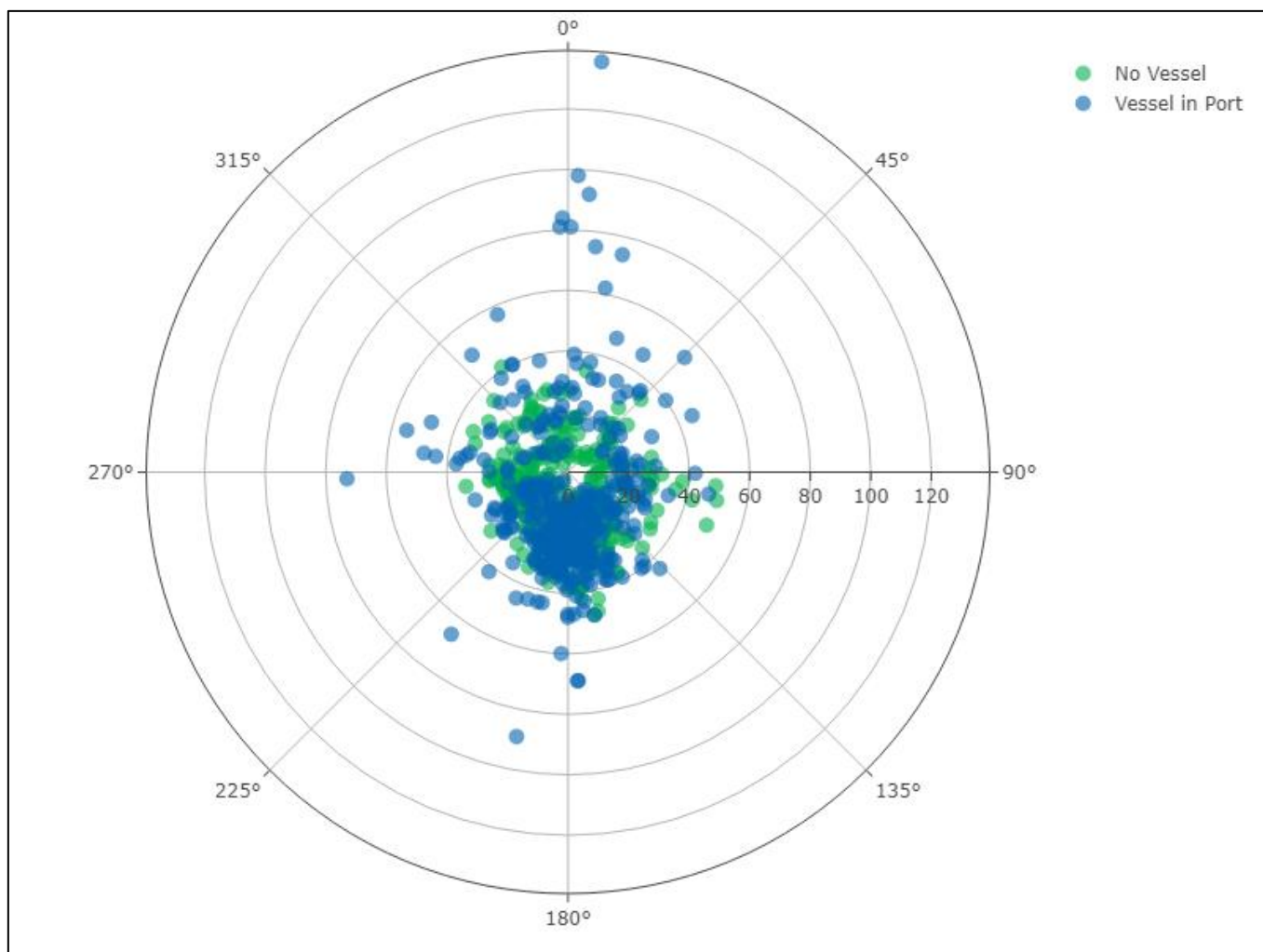


Figure B.7 Hourly average PM_{10} concentration ($\mu\text{g}/\text{m}^3$) by wind direction (December 2024)

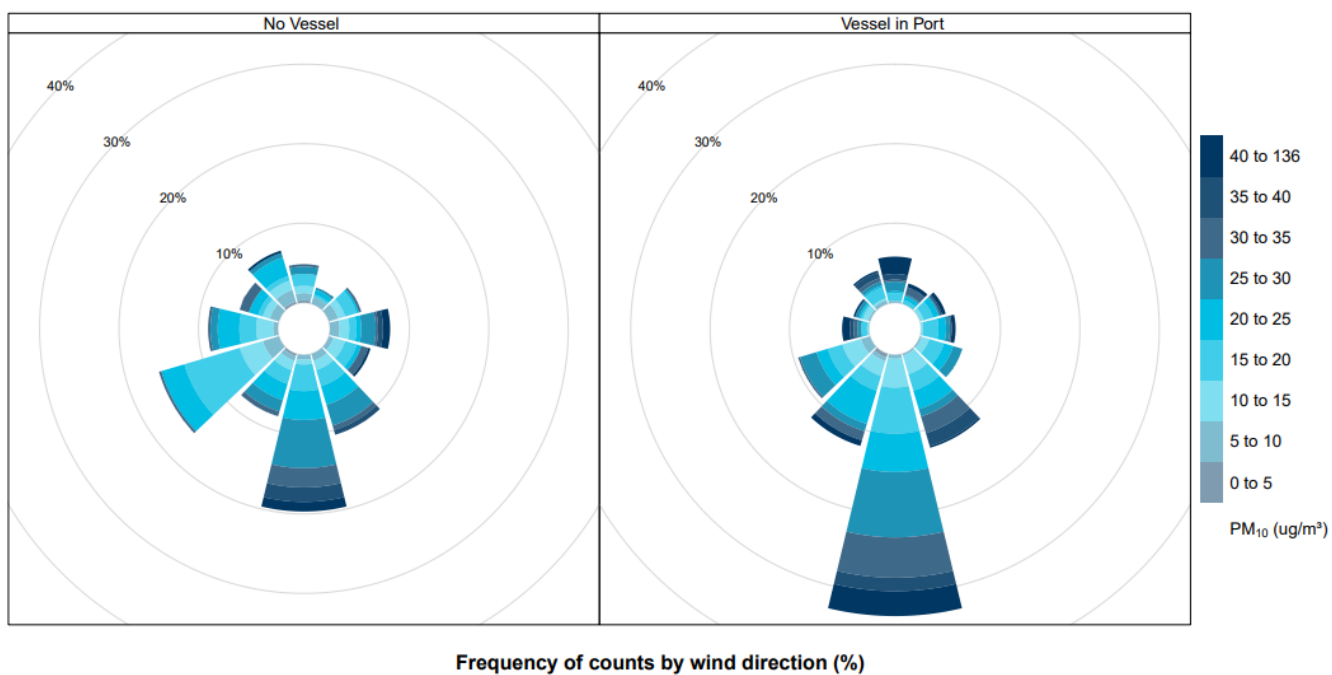


Figure B.8 Hourly average PM_{10} concentration ($\mu\text{g}/\text{m}^3$) pollution roses (December 2024)

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.

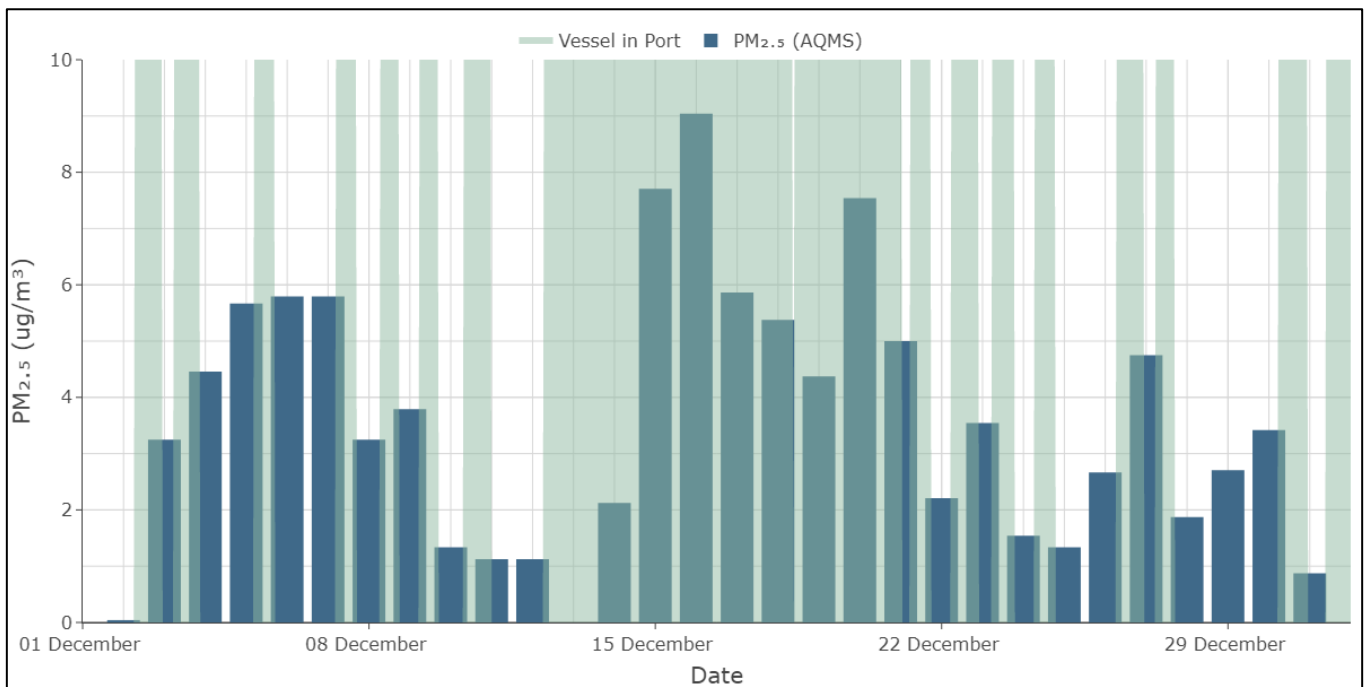


Figure B.9 24-hour average PM_{2.5} concentrations ($\mu\text{g}/\text{m}^3$) at Station Pier (December 2024) (criteria: 25 $\mu\text{g}/\text{m}^3$)

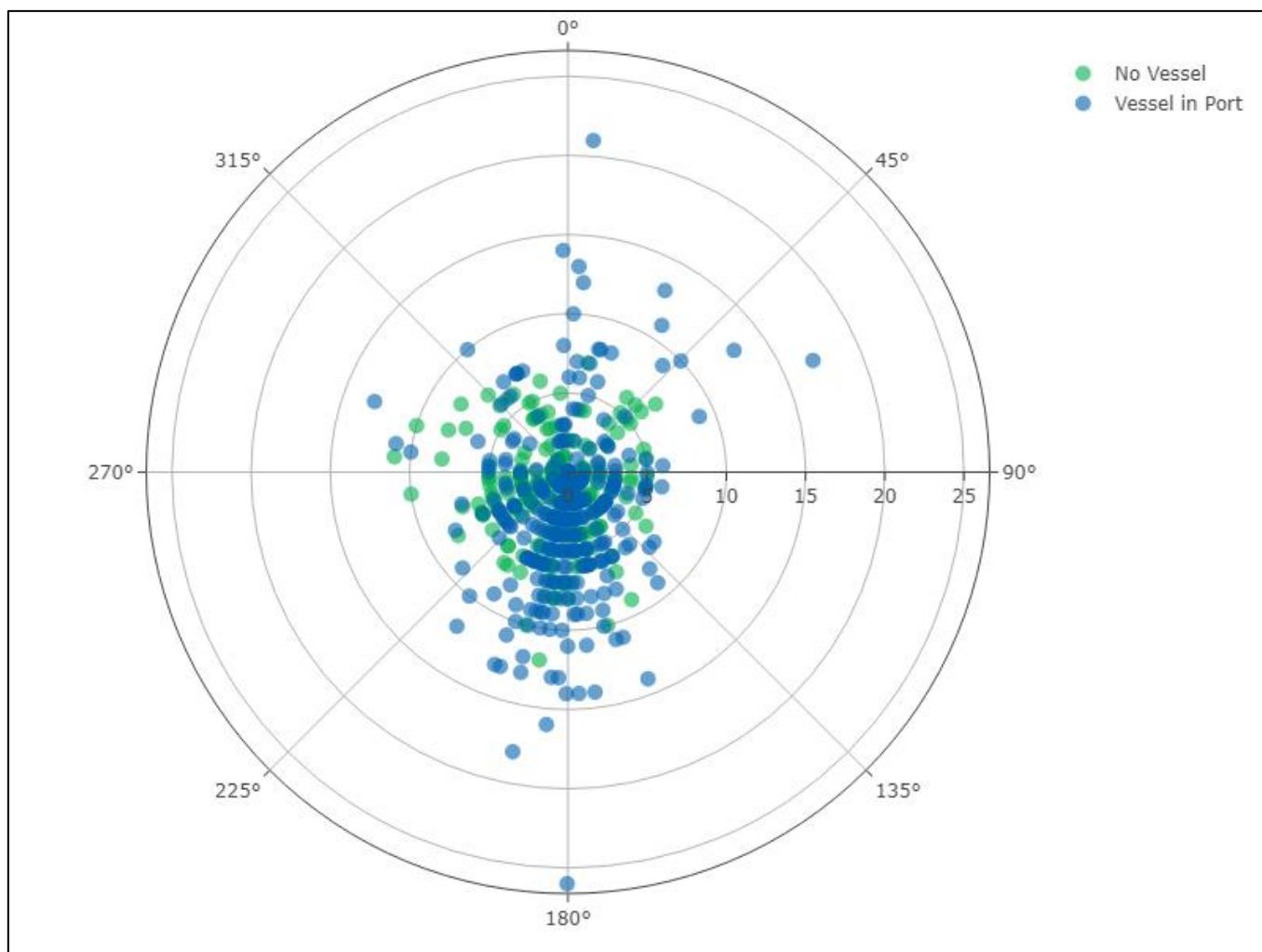


Figure B.10 Hourly average $PM_{2.5}$ concentration ($\mu g/m^3$) by wind direction (December 2024)

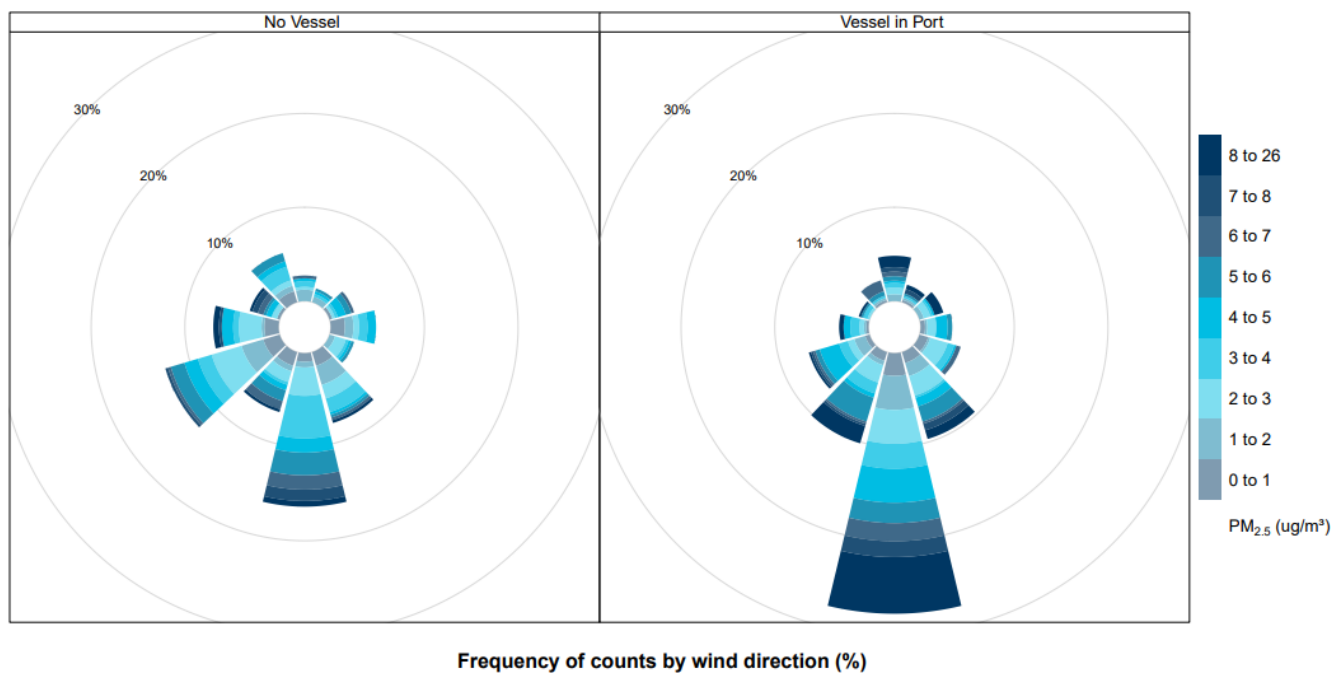


Figure B.11 Hourly average $PM_{2.5}$ concentration ($\mu g/m^3$) pollution roses (December 2024)

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.

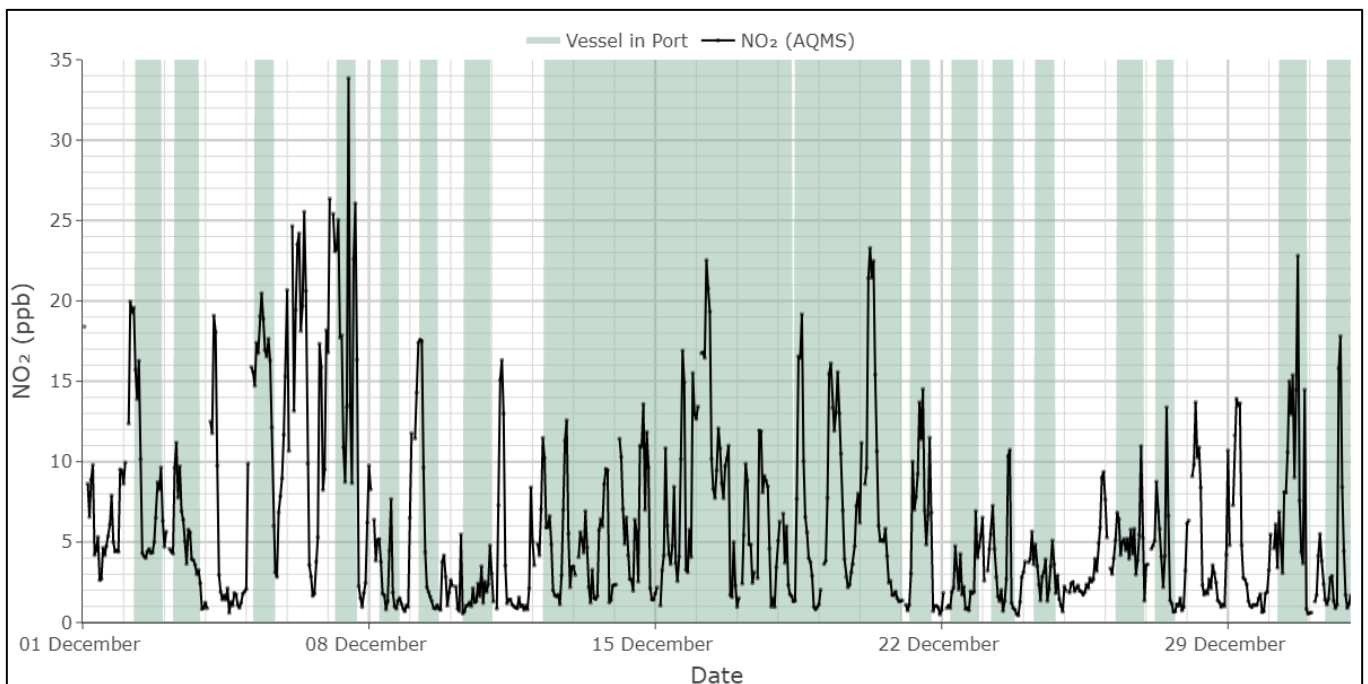


Figure B.12 Hourly average NO₂ concentrations (ppb) at Station Pier (December 2024) (criteria: 80 ppb)

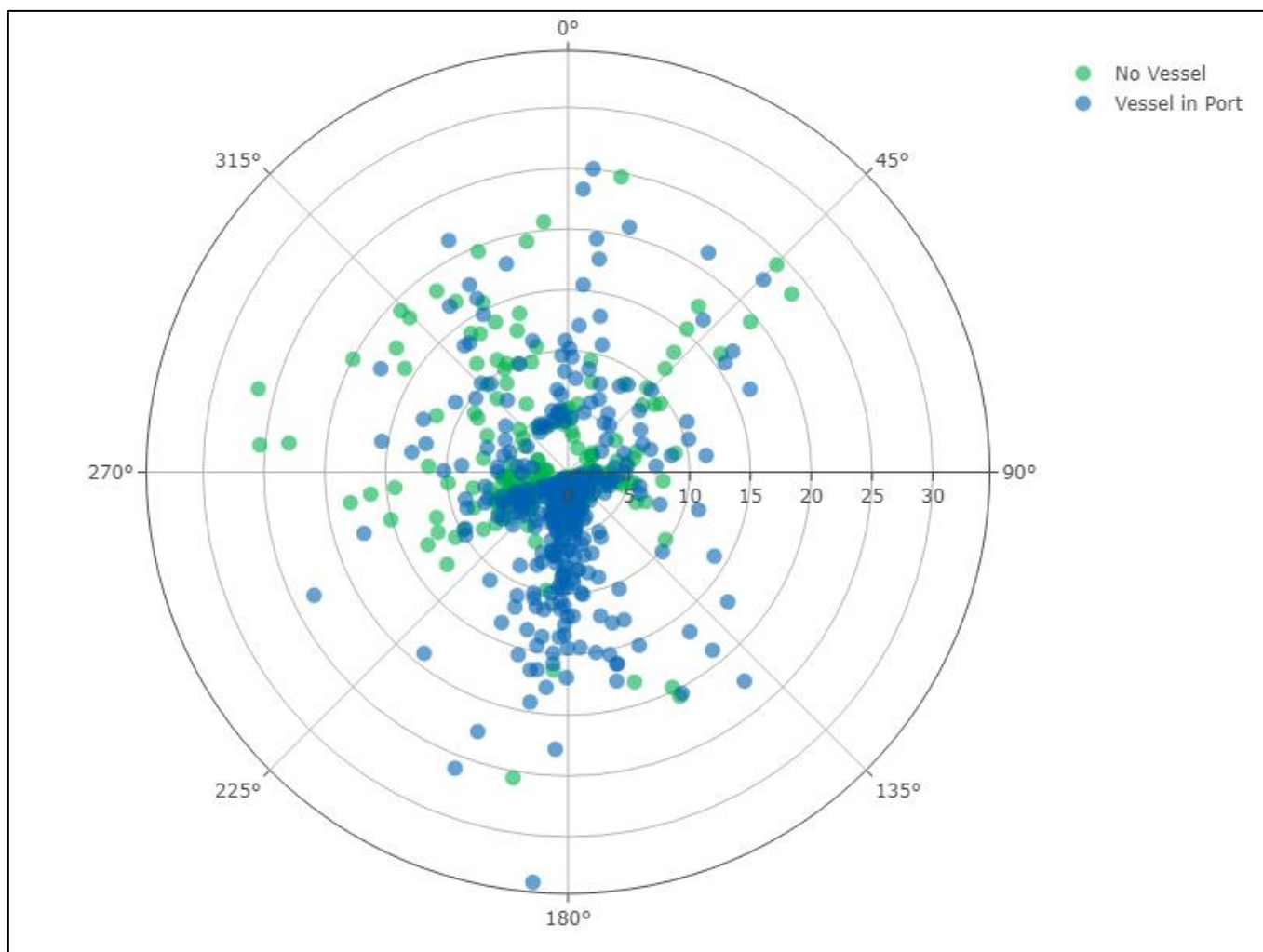


Figure B.13 Hourly average NO_2 concentration (ppb) by wind direction (December 2024)

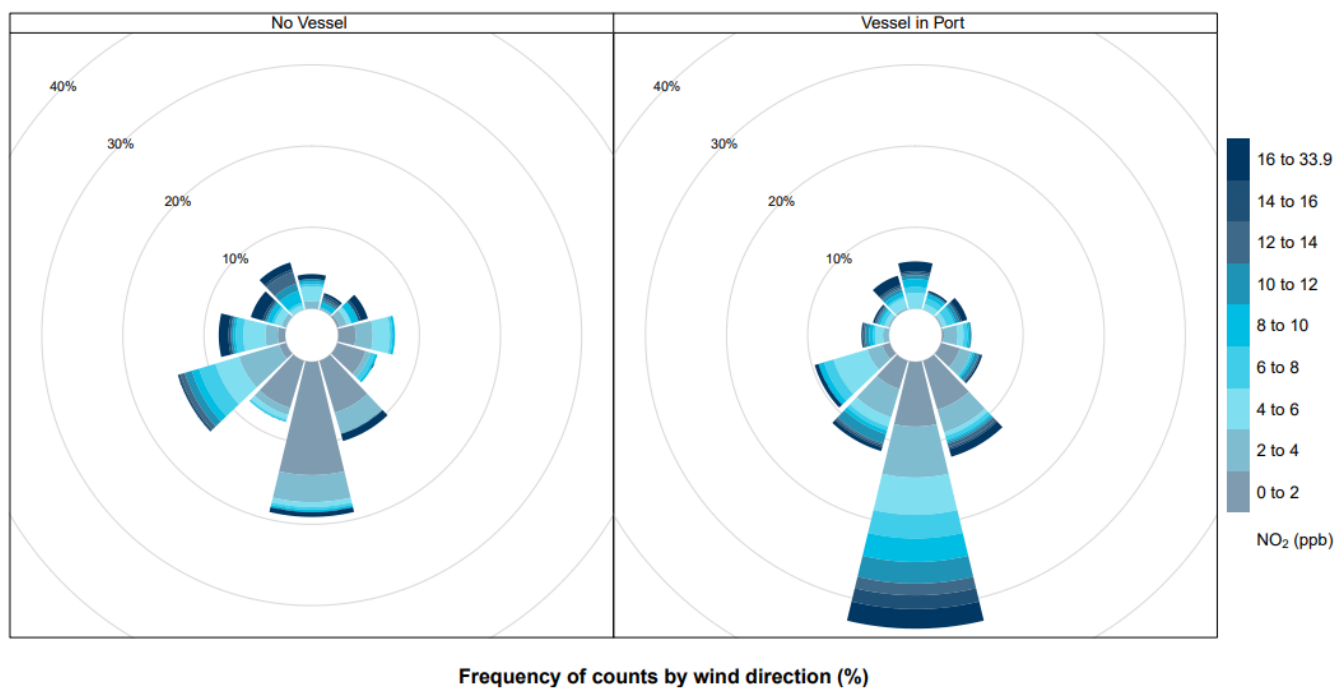


Figure B.14 Hourly average NO_2 concentration (ppb) pollution roses (December 2024)

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.

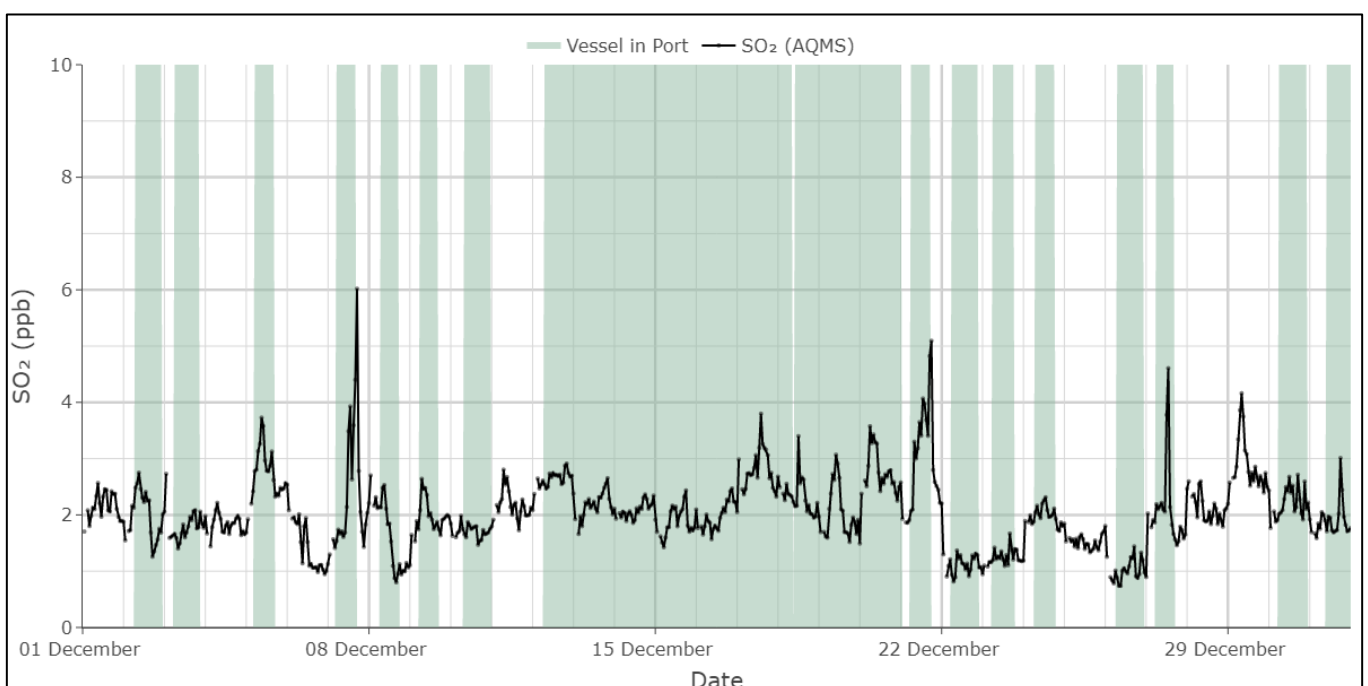


Figure B.15 Hourly average SO₂ concentrations (ppb) at Station Pier (December 2024) (criteria: 75 ppb)

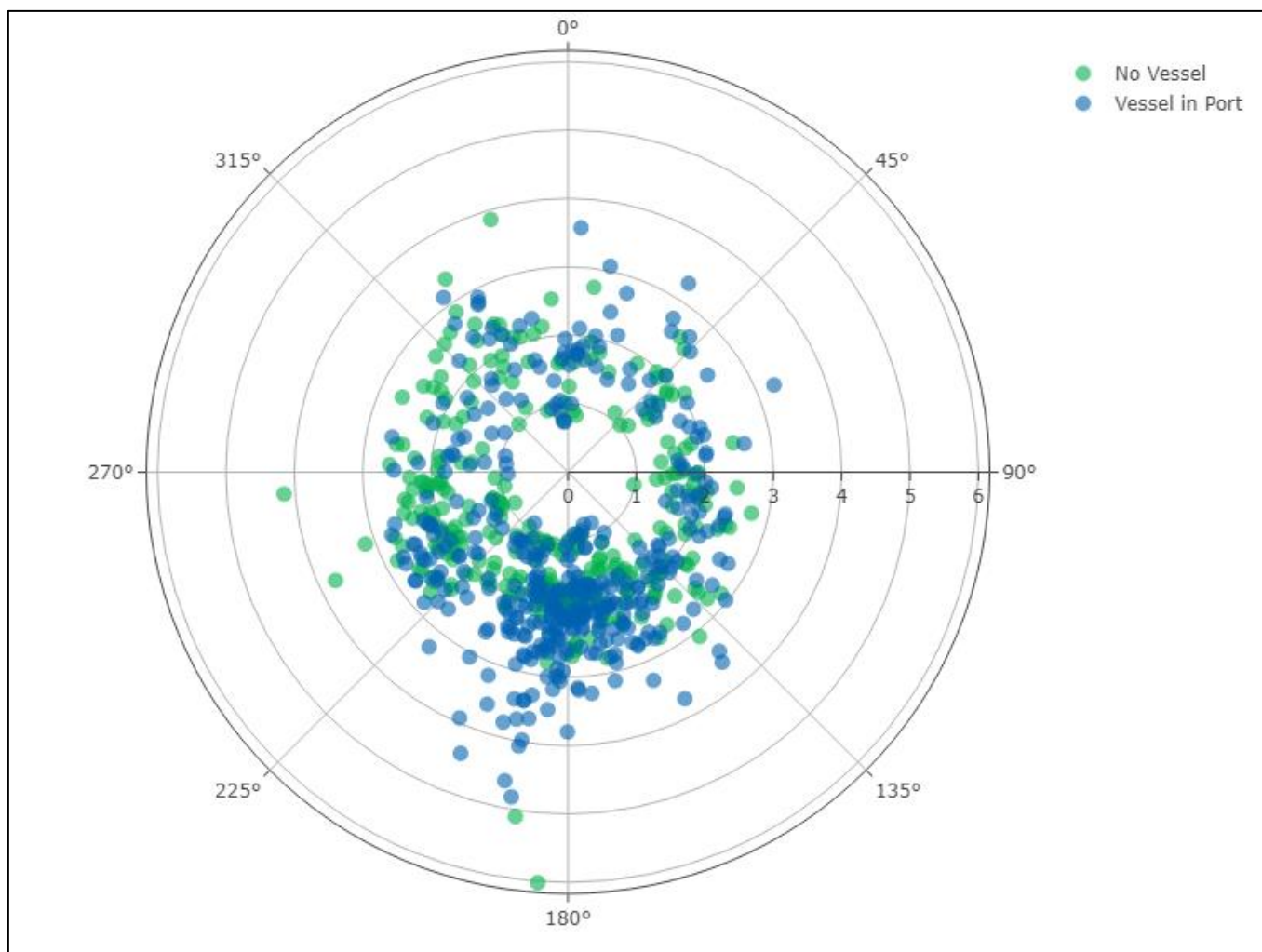
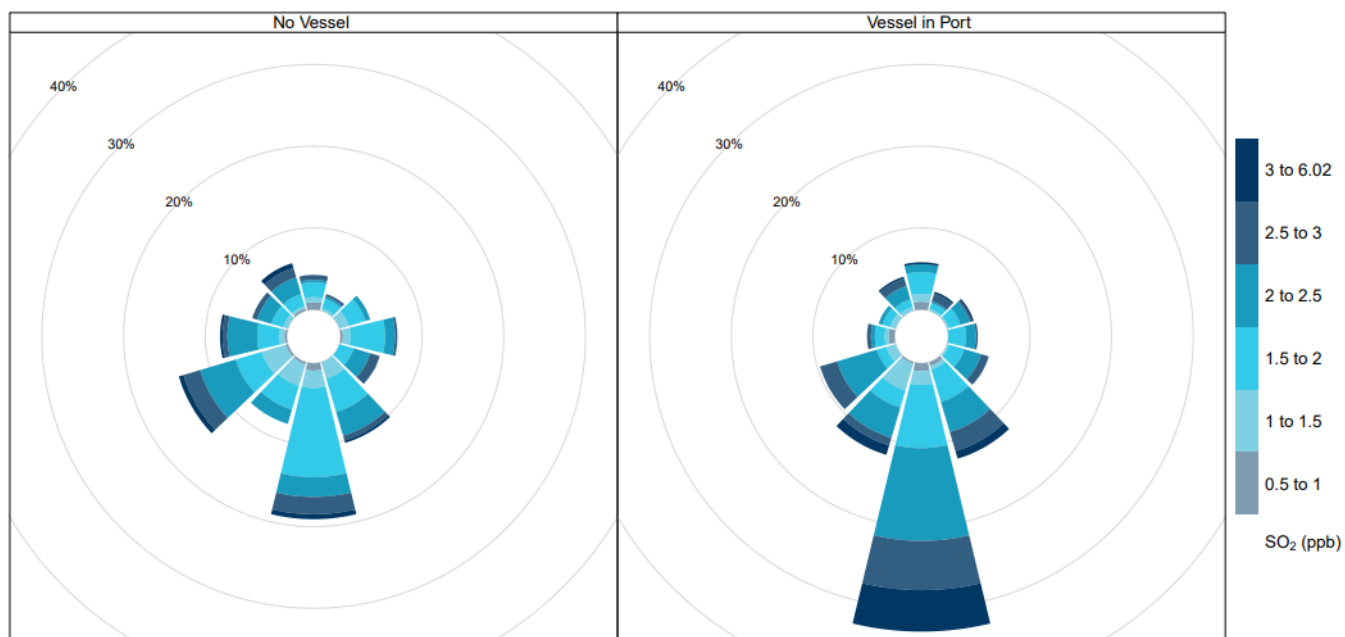


Figure B.16 Hourly average SO₂ concentration (ppb) by wind direction (December 2024)



Frequency of counts by wind direction (%)

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

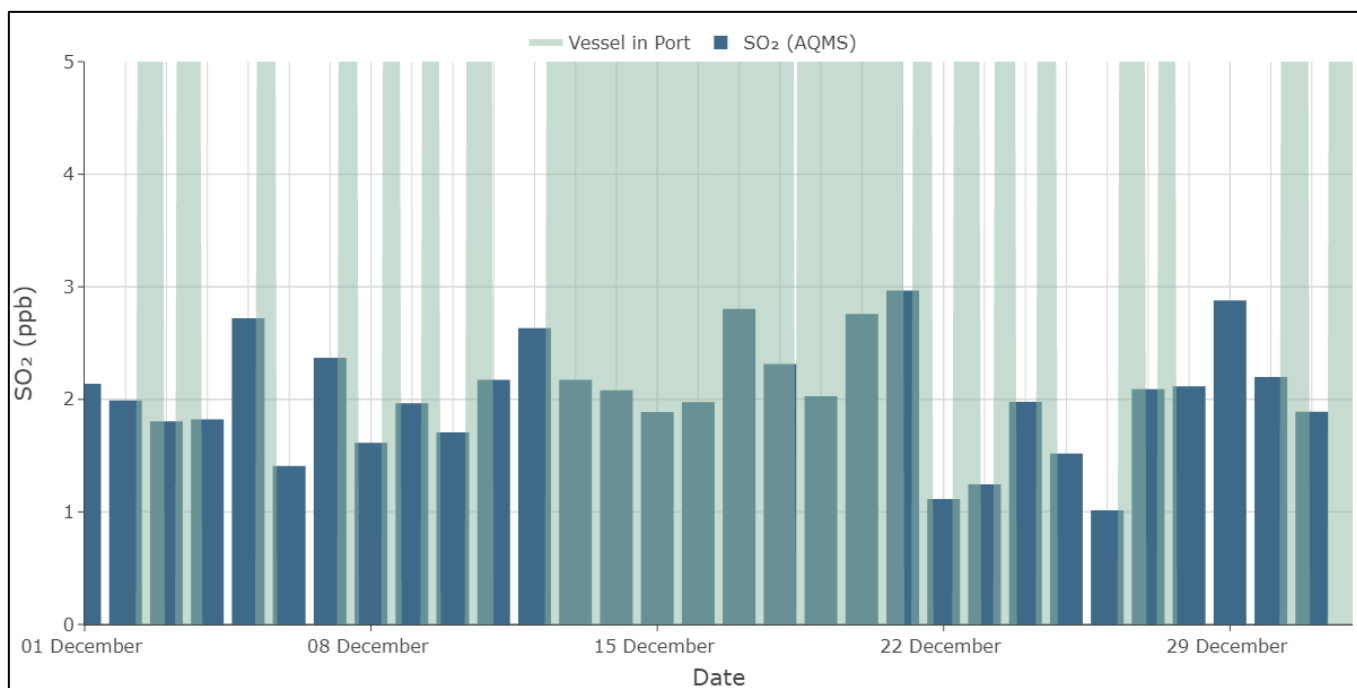


Figure B.18 24-hour average SO₂ concentrations (ppb) at Station Pier (December 2024) (criteria: 20 ppb)

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.

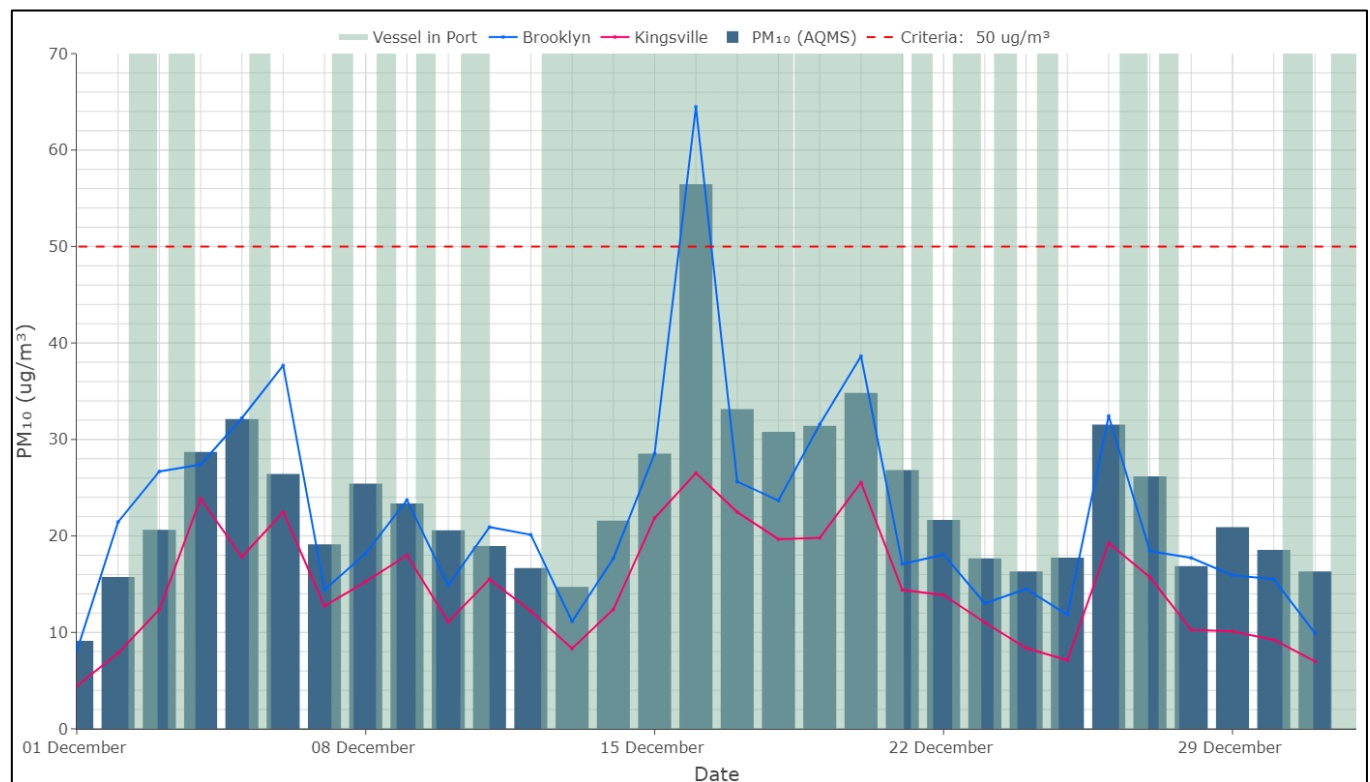


Figure B.19 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier and local EPA stations (December 2024) (criteria: 50 µg/m³)

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 Kingsville and Brooklyn EPA station observations.

All PM₁₀ concentrations were below the adopted criterion, except on December 16. The maximum 24-hour average concentration was 56.5 µg/m³, which is 13% above the criterion.

On December 16, two vessels were present at the port:

- Victorian Reliance II was present for the entire day
- Crown Princess (P) was present between 5am and 5:40pm

Bushfires were reported at Boisdale within the Avon-Mt Hedrick Scenic Reserve, located approximately 170 km east of Station Pier.

Elevated PM₁₀ concentrations were also observed at the EPA station located at Brooklyn on December 16. The higher concentrations of PM₁₀ observed at both Station Pier AQMS and the EPA station indicate that there was likely a regional emission source(s) contributing to elevated levels, rather than a localised source.

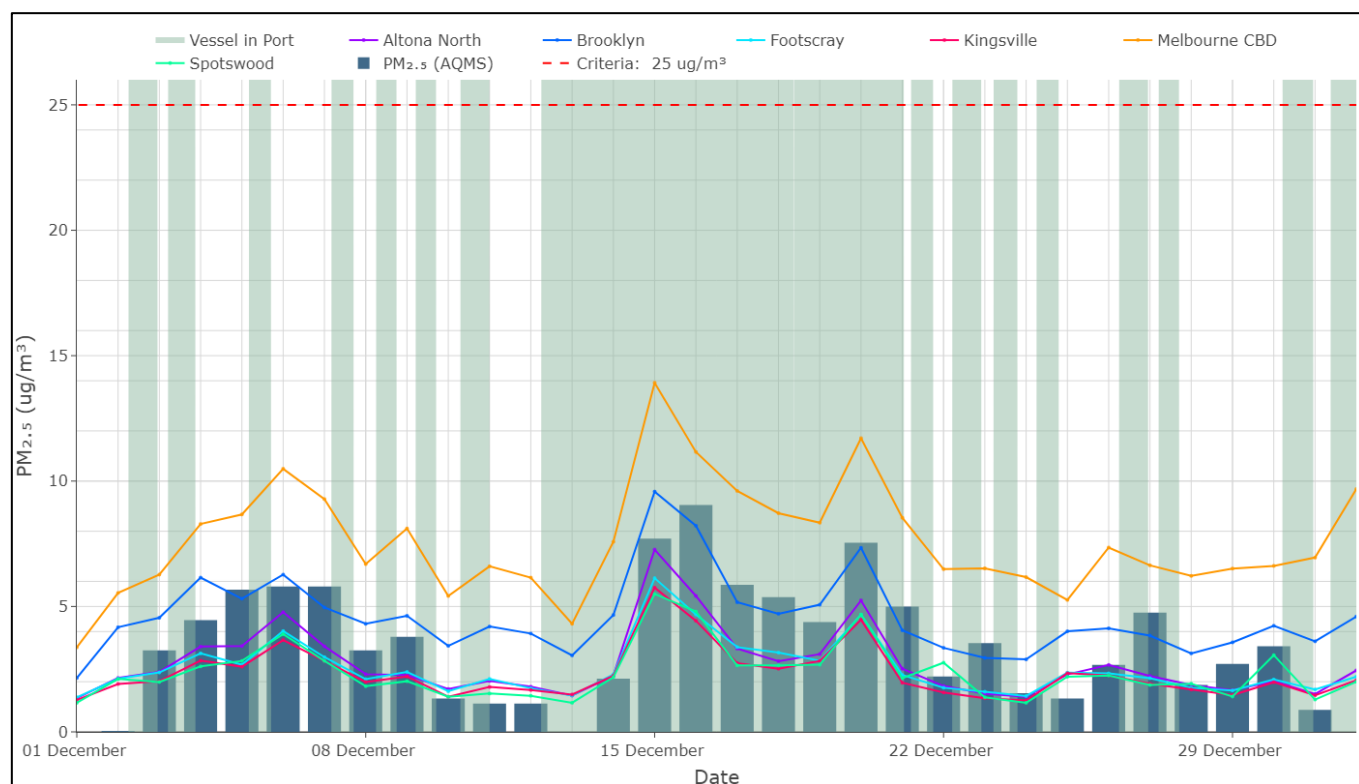
Table B.3 Comparison between 24-hour average PM₁₀ Station Pier observations and local EPA station observations

EPA Station	Correlation coefficient (r)
Kingsville	0.86
Brooklyn	0.90

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.



Note: PM_{2.5} 24-hour average concentrations were zero on 1, 2 and 14 December 2024

Figure B.20 24-hour average PM_{2.5} concentrations (µg/m³) at Station Pier and local EPA stations (December 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. Positive correlation (>0.8) 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. The maximum 24-hour average concentration recorded was 9.0 µg/m³, which is 64% below the criterion.

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	0.83
Spotswood	0.81
Kingsville	0.82
Footscray	0.83
Brooklyn	0.80
Melbourne CBD	0.89

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.

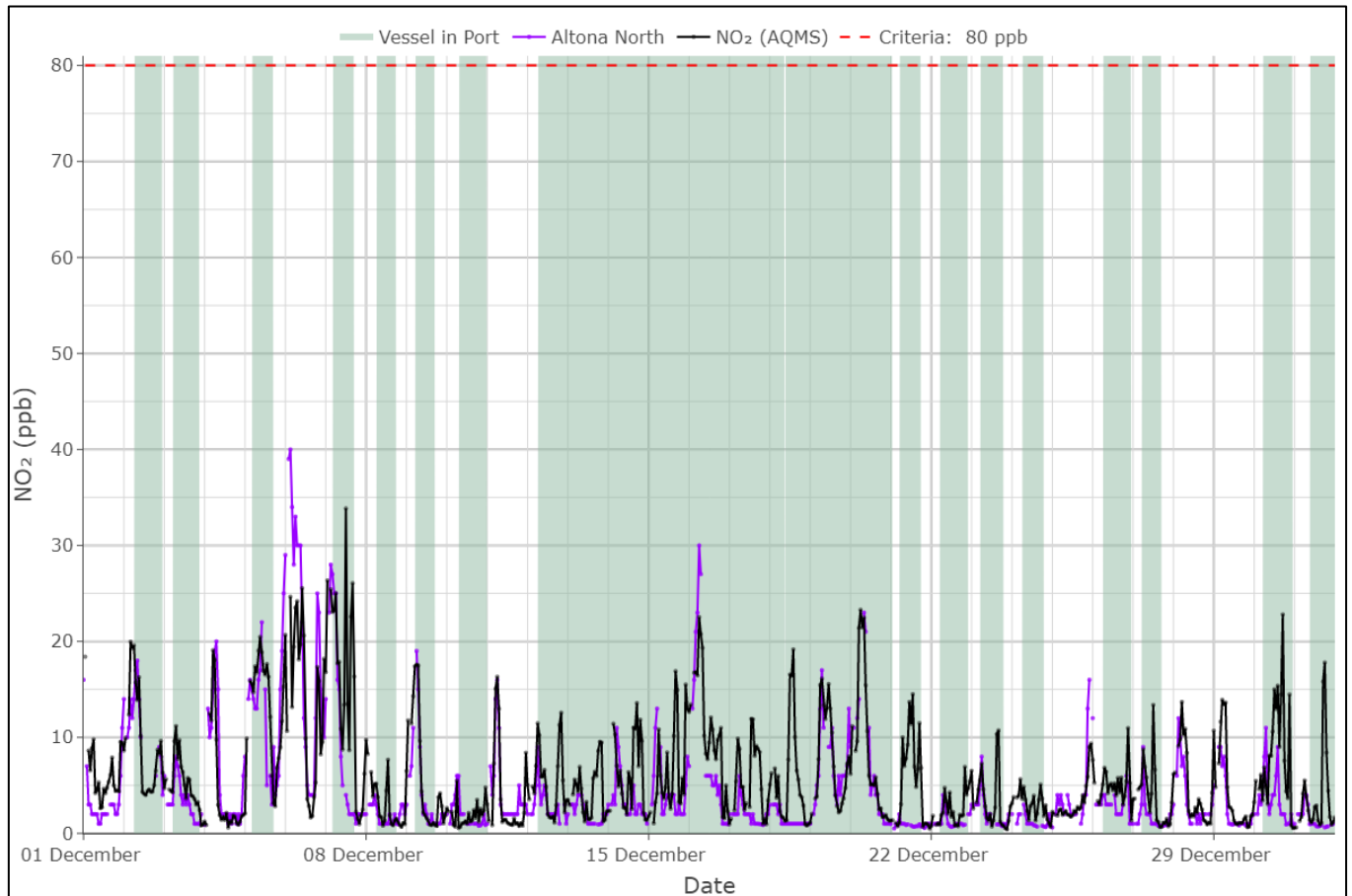


Figure B.21 Hourly average NO₂ concentrations (ppb) at Station Pier and local EPA Station (December 2024) (criteria: 80 ppb)

Positive correlation (0.71) 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 33.9 ppb, which is 58% 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.

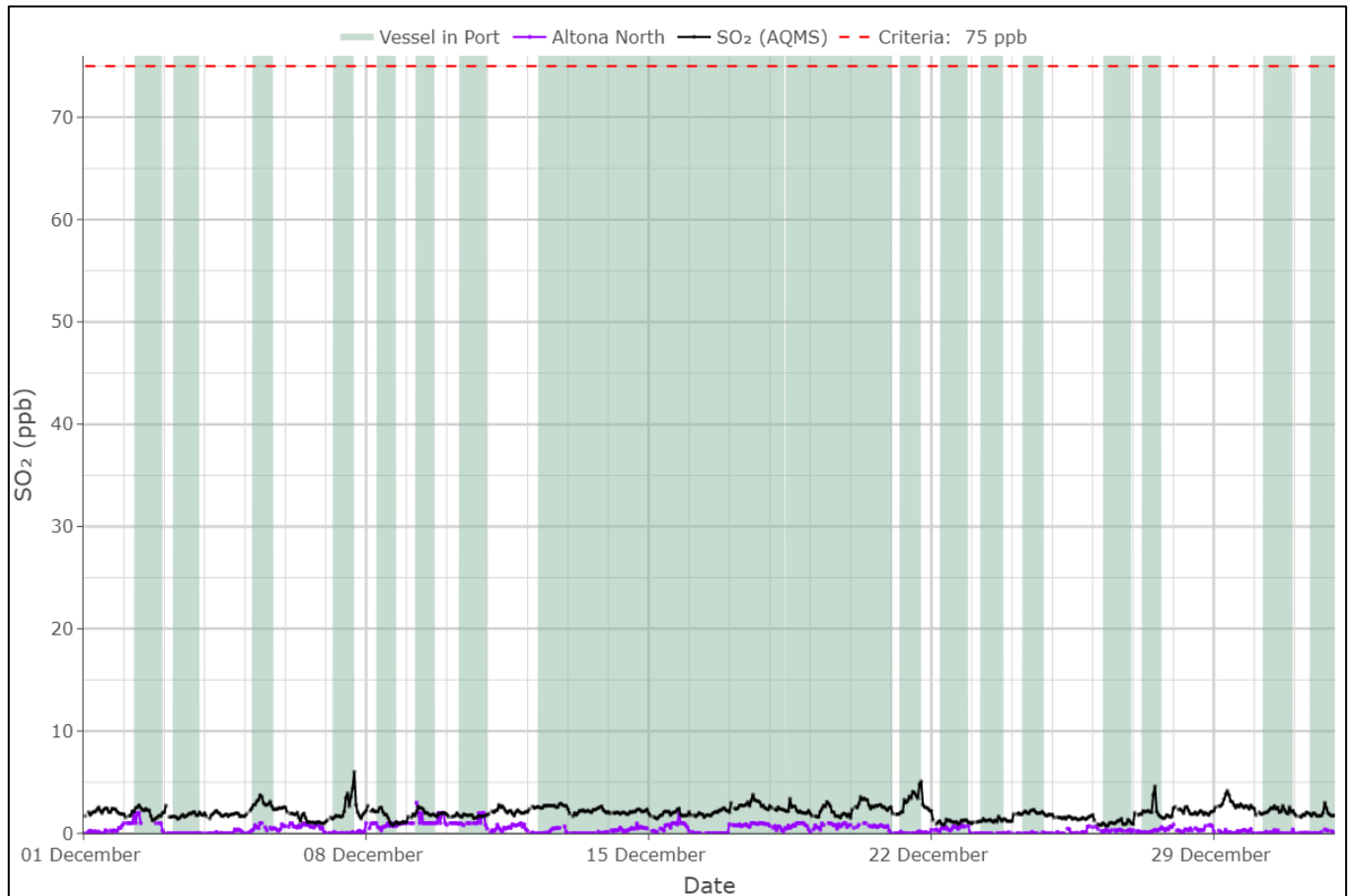


Figure B.22 Hourly average SO₂ concentrations (ppb) at Station Pier and local EPA stations (December 2024) (criteria: 75 ppb)

Minimal correlation (0.001) 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 6.0 ppb, which is 92% 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.

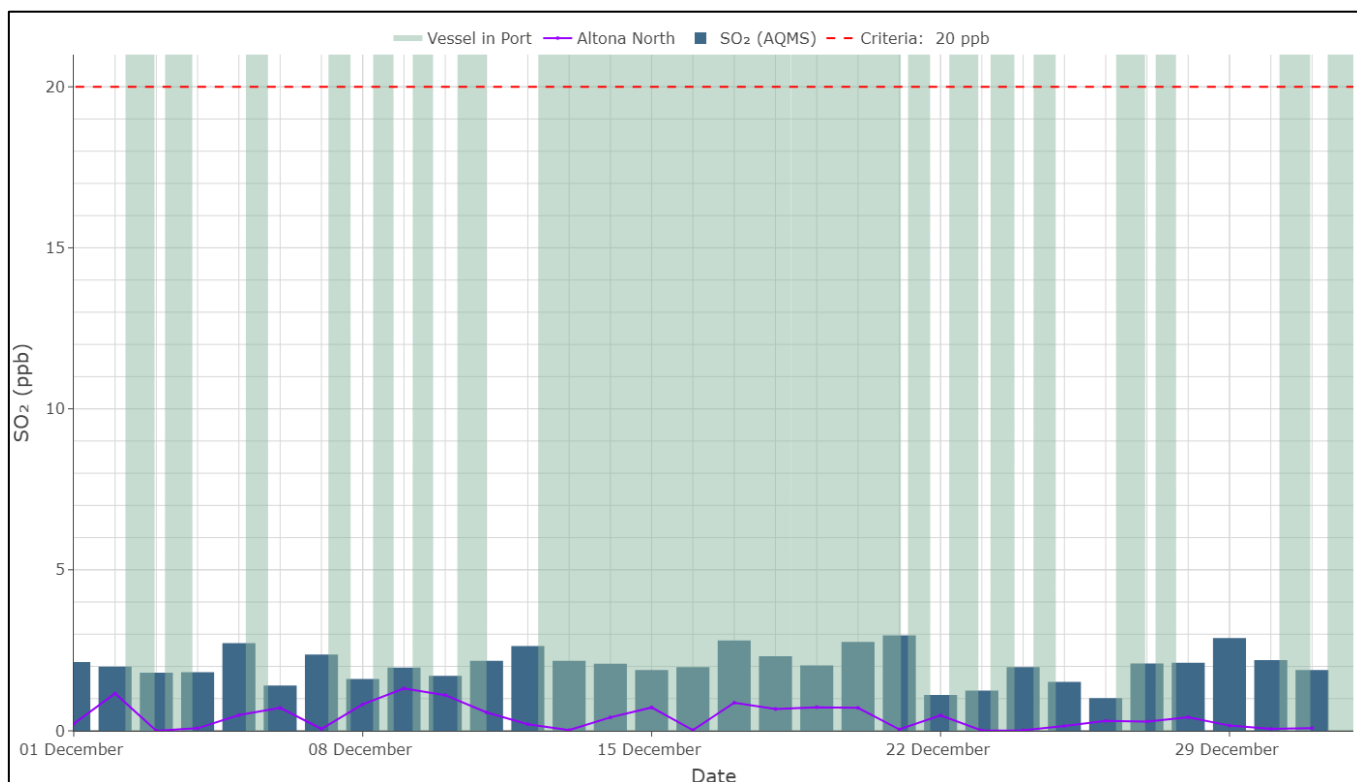


Figure B.23 24-hour average SO₂ concentrations (ppb) at Station Pier and local EPA Station (December 2024) (criteria: 20 ppb)

Minimal correlation (0.08) 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 3.0 ppb, which is 85% below the criterion.

B-3-5 Port activity

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

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

Ship name	Arrival	Departure
Viking Orion (P)	2/12/2024 6:18	2/12/2024 21:31
ICS Allegiance (T)	2/12/2024 7:23	2/12/2024 12:18
Europa 2 (P)	3/12/2024 5:38	3/12/2024 19:00
Royal Princess (P)	5/12/2024 4:15	5/12/2024 15:00
Diamond Princess (P)	7/12/2024 4:50	7/12/2024 15:54
Celebrity Edge (P)	8/12/2024 6:18	8/12/2024 16:52
Coral Adventurer (P)	9/12/2024 5:43	9/12/2024 15:41
ICS Allegiance (T)	10/12/2024 7:42	10/12/2024 22:57
Victorian Reliance II	12/12/2024 6:44	18/12/2024 7:00
Crown Princess (P)	16/12/2024 5:00	16/12/2024 17:40
ICS Allegiance (T)	17/12/2024 2:12	17/12/2024 6:45
Westerdam (P)	17/12/2024 6:52	17/12/2024 16:39
Regatta (P)	18/12/2024 9:33	19/12/2024 0:21
Peregrine	18/12/2024 11:34	20/12/2024 23:21
Pacific Explorer (P)	19/12/2024 5:56	19/12/2024 15:10
Norwegian Sun (P)	21/12/2024 5:30	21/12/2024 16:50
Seven Seas Explorer (P)	22/12/2024 5:21	22/12/2024 20:52
Silver Muse (P)	23/12/2024 5:38	23/12/2024 15:53
ICS Allegiance (T)	23/12/2024 14:26	23/12/2024 17:58
Viking Orion (P)	24/12/2024 6:12	24/12/2024 17:00
Viking Venus (P)	26/12/2024 6:25	26/12/2024 21:48
Pacific Explorer (P)	27/12/2024 5:30	27/12/2024 15:03
Pacific Explorer (P)	30/12/2024 5:36	30/12/2024 15:02
Viking Orion (P)	30/12/2024 7:05	30/12/2024 21:22
Aidasol (P)	31/12/2024 9:02	1/01/2025 16:56
MSC Tania	31/12/2024 19:46	2/01/2025 5:00

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 SO₂ hourly concentration occurred when there were no vessels present at the port. The maximum NO₂ and PM_{2.5} hourly concentration occurred when there was one vessel present at the port. The maximum PM₁₀ hourly concentration occurred when there were two vessels present at the port.

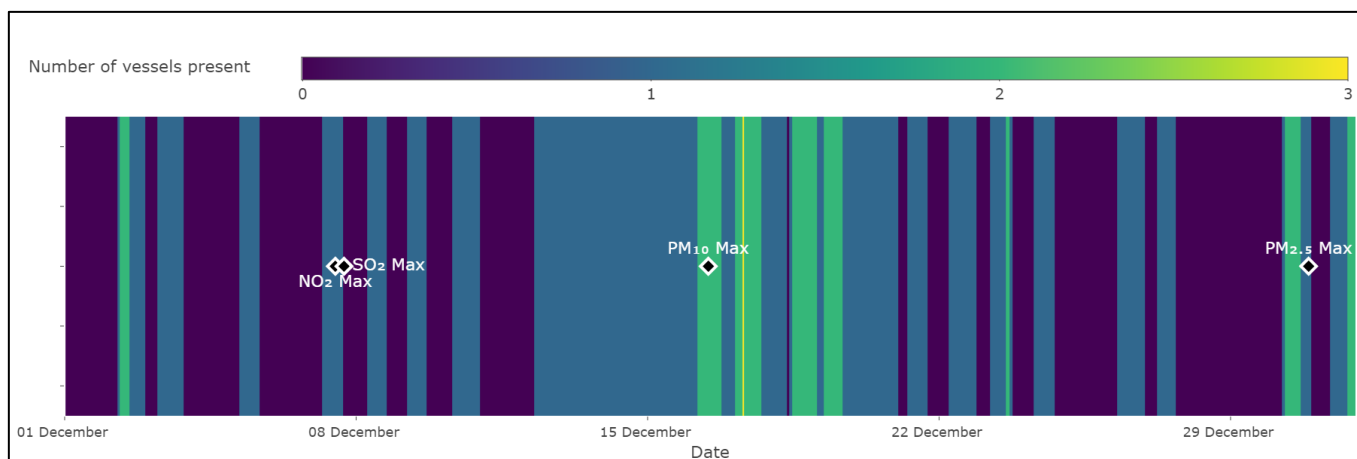


Figure B.24 Number of vessels present compared against maximum concentration observations

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	55%	20.6 µg/m ³	26.3 µg/m ³
PM _{2.5}	56%	3.4 µg/m ³	4.9 µg/m ³
NO ₂	57%	5.3 ppb	6.6 ppb
SO ₂	57%	1.9 ppb	2.1 ppb

B-3-6 Other impacts to air quality

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).

Planned Burns

Events which likely increased particulate matter observations are the planned burns which were reported to take place around Victoria at the following locations:

- Noojee – Railway Reserve (5 December 2024)
- Buchan South – Rifle Range (10 December 2024)
- Marlo Cemetery (11 December 2024)
- Orbost – Tip Road (12 December 2024)

Bushfires

Events which likely increased particulate matter observations are the bushfires which were reported around Victoria at the following locations:

- Boisdale within the Avon-Mt Hedrick Scenic Reserve (16 December 2024)
- Valencia Creek Channel Track (17 December 2024)
- Hotspur State Forest (18-23 December 2024)
- Grampians National Park (20-31 December 2024)
- Whitfield and Tatong areas (27 December 2024)
- Loombah Weir (27 December 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 December 2024 has been reviewed by ACOEM and the NATA accredited results are presented in this report.

Station Pier AQMS

All PM₁₀ concentrations were below the adopted criterion, except on December 16. The maximum 24-hour average concentration was 56.5 µg/m³, which is 13% above the criterion. Elevated PM₁₀ concentrations were also observed at the EPA station located at Brooklyn on December 16, which indicates that there was likely a regional emission source(s) contributing to elevated levels, rather than a localised source.

All observations of PM_{2.5} and NO₂ and SO₂ during the month of December 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 December 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.

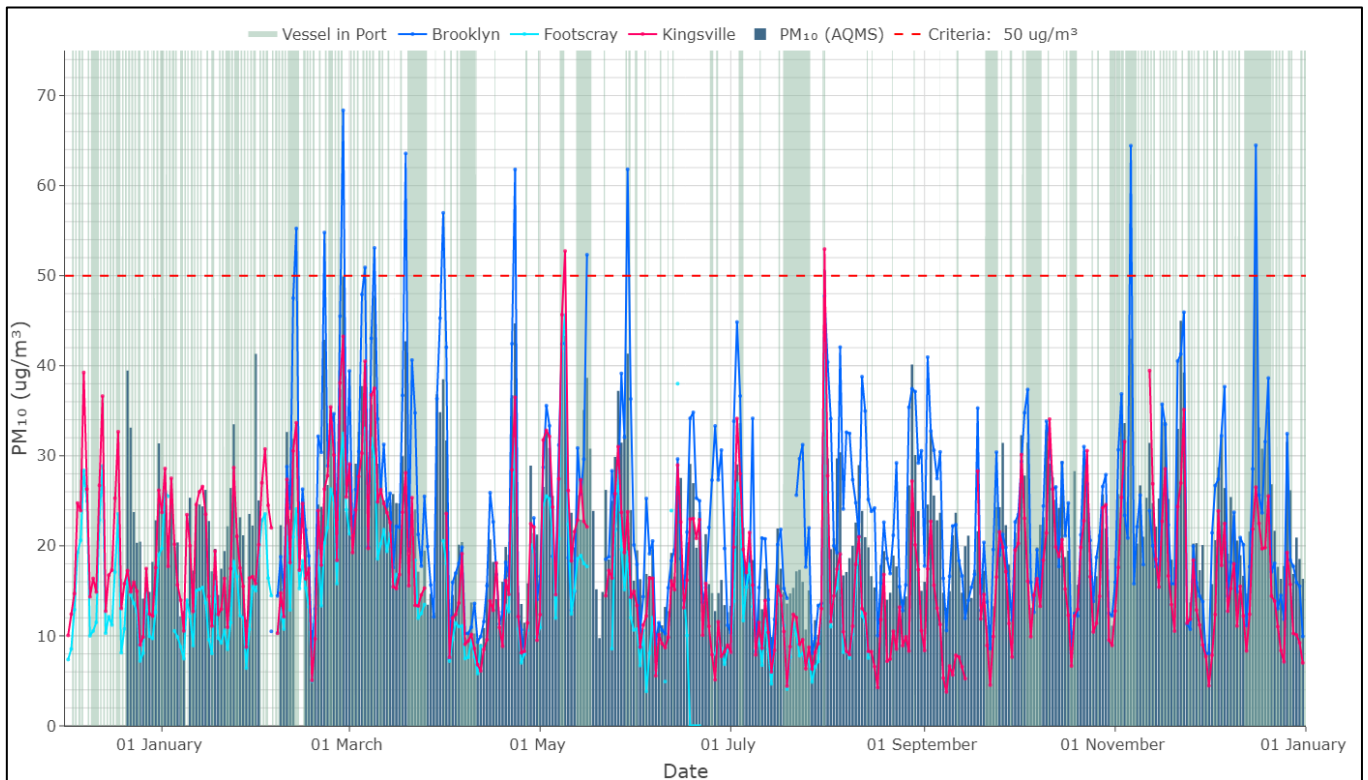


Figure C.1 24-hour average PM₁₀ concentrations (µg/m³) at Station Pier and local EPA stations (December 2023 - December 2024) (criteria: 50 µg/m³)

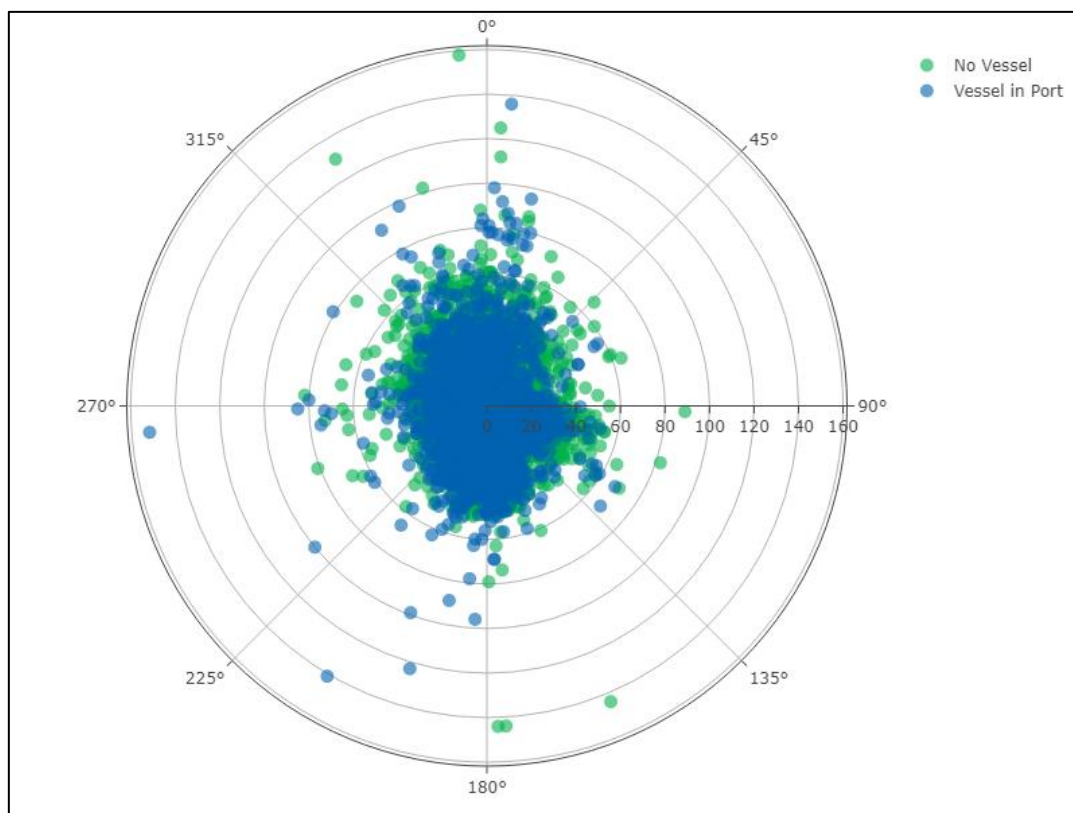


Figure C.2 Hourly average PM_{10} concentration ($\mu\text{g}/\text{m}^3$) by wind direction (December 2023 - December 2024)

An annual average criterion of $20 \mu\text{g}/\text{m}^3$ is specified for PM_{10} . The annual average PM_{10} concentration for 2024 was $22.1 \mu\text{g}/\text{m}^3$ which is above the criterion by 11%. Further analysis of the long term data will be presented in the annual report on completion of the Station Pier air quality monitoring program.

The annual average concentrations observed at the Brooklyn EPA Station exceeded the adopted criterion by 19%, while concentrations at Kingsville and Footscray were below the criterion.

Monthly average and overall average concentrations using all data available to date are presented in Table C.1.

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

Month	Station Pier	Kingsville	Footscray	Brooklyn
December 2023	23.3	19.0	14.8	-
January 2024	22.1	18.3	12.6	-
February 2024	26.7	23.3	18.6	29.8
March 2024	27.2	23.7	21.0	30.9
April 2024	17.7	13.5	12.0	18.3
May 2024	26.6	24.5	20.6	28.7
June 2024	17.3	13.7	6.6	20.2
July 2024	17.5	14.2	12.0	20.6
August 2024	20.9	12.8	13.7	26.2
September 2024	19.3	11.6	-	19.9
October 2024	22.1	18.3	-	22.1
November 2024	25.3	18.6	-	24.1
December 2024	23.8	14.8	-	22.4

Month	Station Pier	Kingsville	Footscray	Brooklyn
2024 average	22.1	17.0	14.8	23.8
All available data	22.2	17.2	14.8	23.8
“-“ 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 December 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.

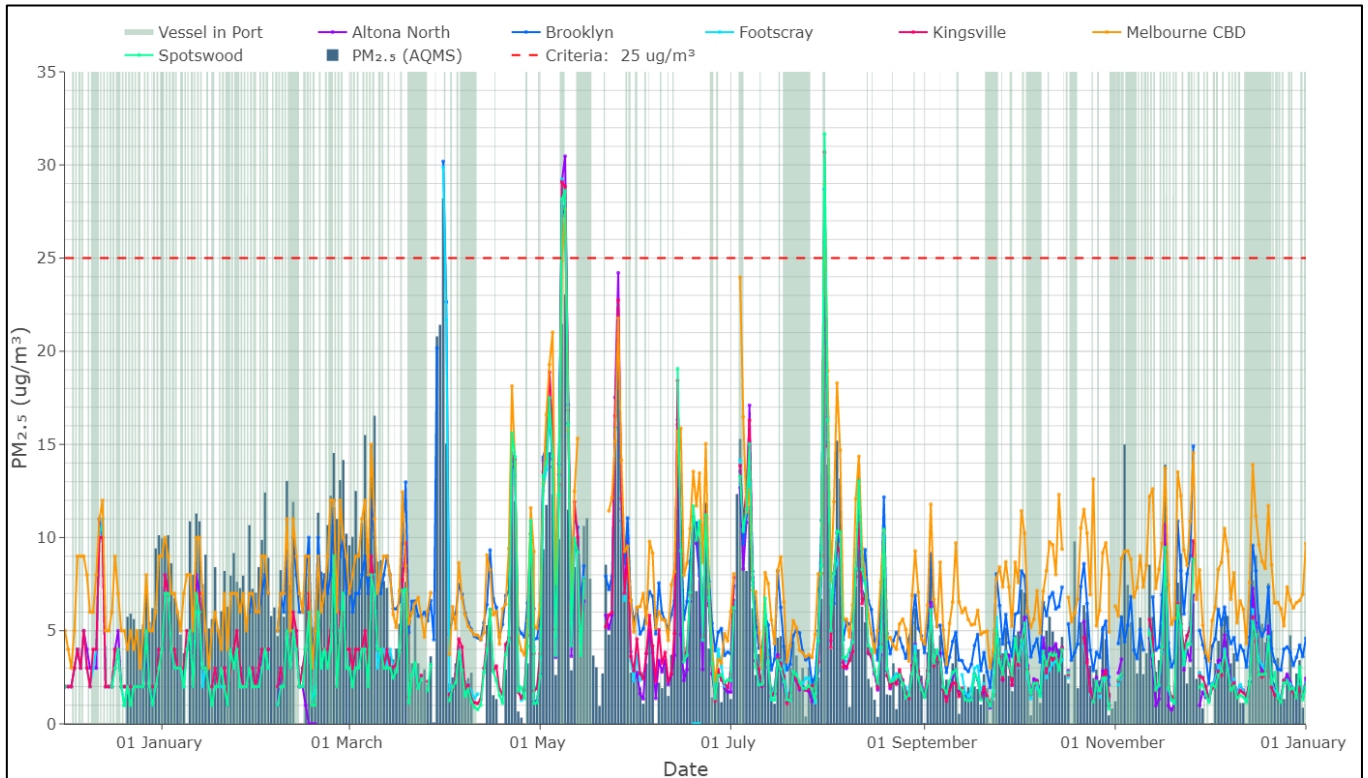


Figure C.3 24-hour average PM_{2.5} concentrations (µg/m³) at Station Pier and local EPA stations (December 2023 - December 2024) (criteria: 25 µg/m³)

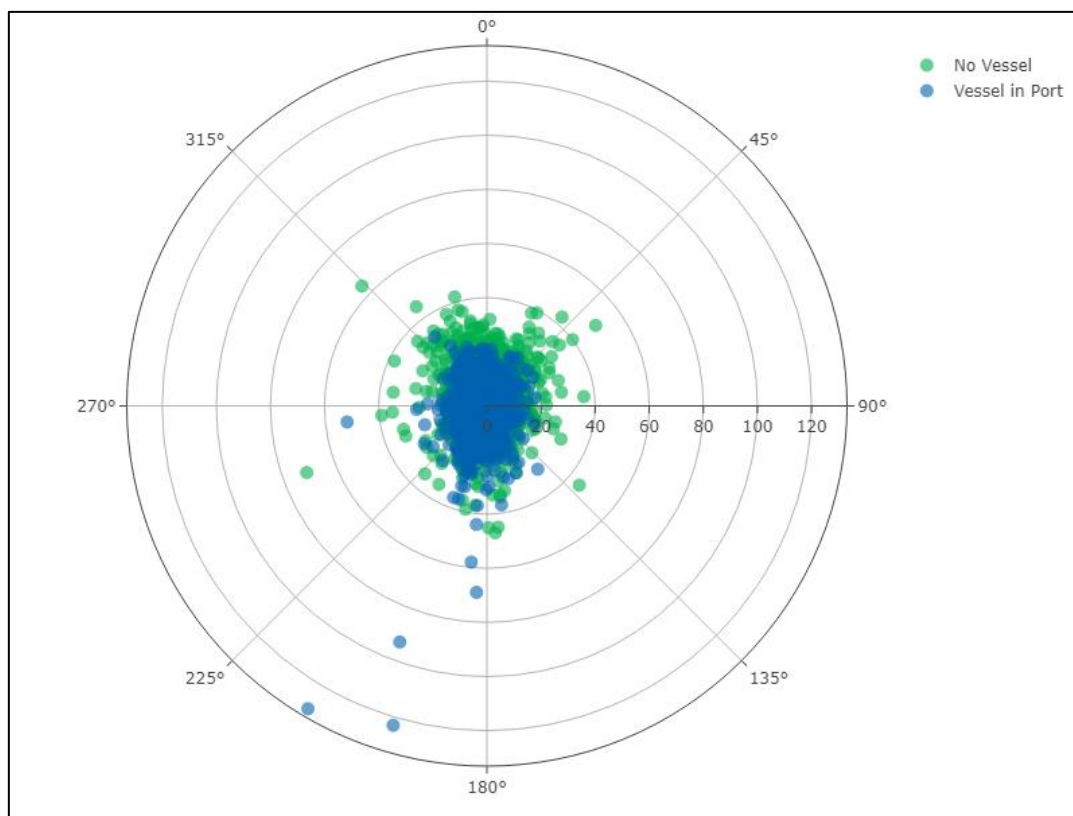


Figure C.4 Hourly average $PM_{2.5}$ concentration ($\mu g/m^3$) by wind direction (December 2023 - December 2024)

An annual average criterion of $8 \mu g/m^3$ is specified for $PM_{2.5}$. The annual average $PM_{2.5}$ concentration for 2024 was $6.3 \mu g/m^3$ which is below the criterion by 21%. 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 ($\mu g/m^3$)

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
August 2024	5.5	4.7	4.8	6.5	7.9	5.2	4.9
September 2024	3.5	2.4	2.7	4.3	6.2	2.5	2.5
October 2024	4.3	2.9	2.5	5.3	8.2	2.8	3.1
November 2024	5.2	3.8	3.7	6.0	8.8	3.6	3.1

Month	Station Pier	Kingsville	Footscray	Brooklyn	Melbourne CBD	Spotswood	Altona North
December 2024	4.2	2.3	2.5	4.6	7.6	2.4	2.7
2024 average	6.3	4.5	4.2	6.8	8.1	4.3	4.3
All available data	6.3	4.4	4.1	6.8	8.0	4.2	4.2
" - " 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 December 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.

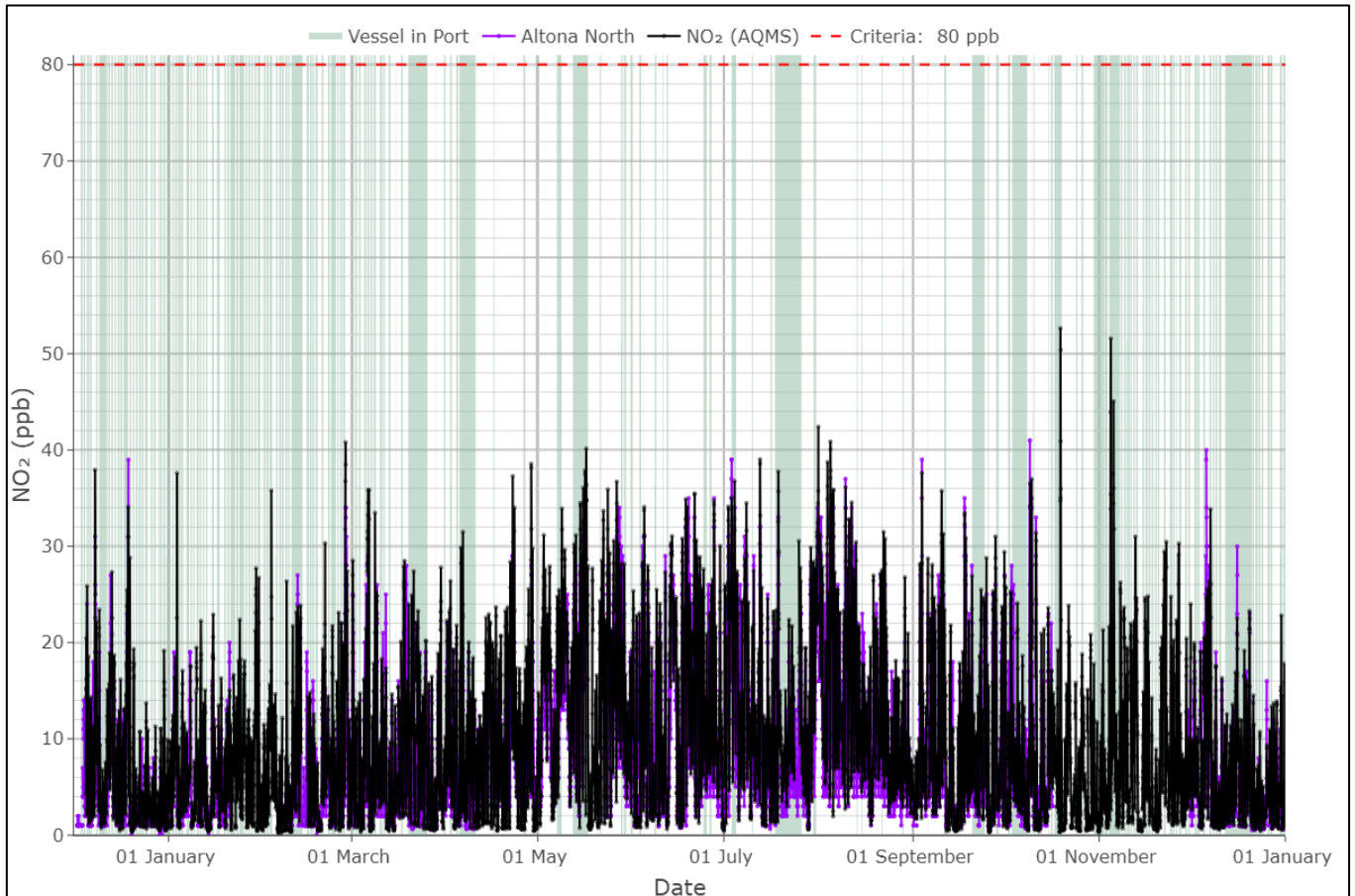


Figure C.5 Hourly average NO₂ concentrations (ppb) at Station Pier and local EPA stations (December 2023 - December 2024) (criteria: 80 ppb)

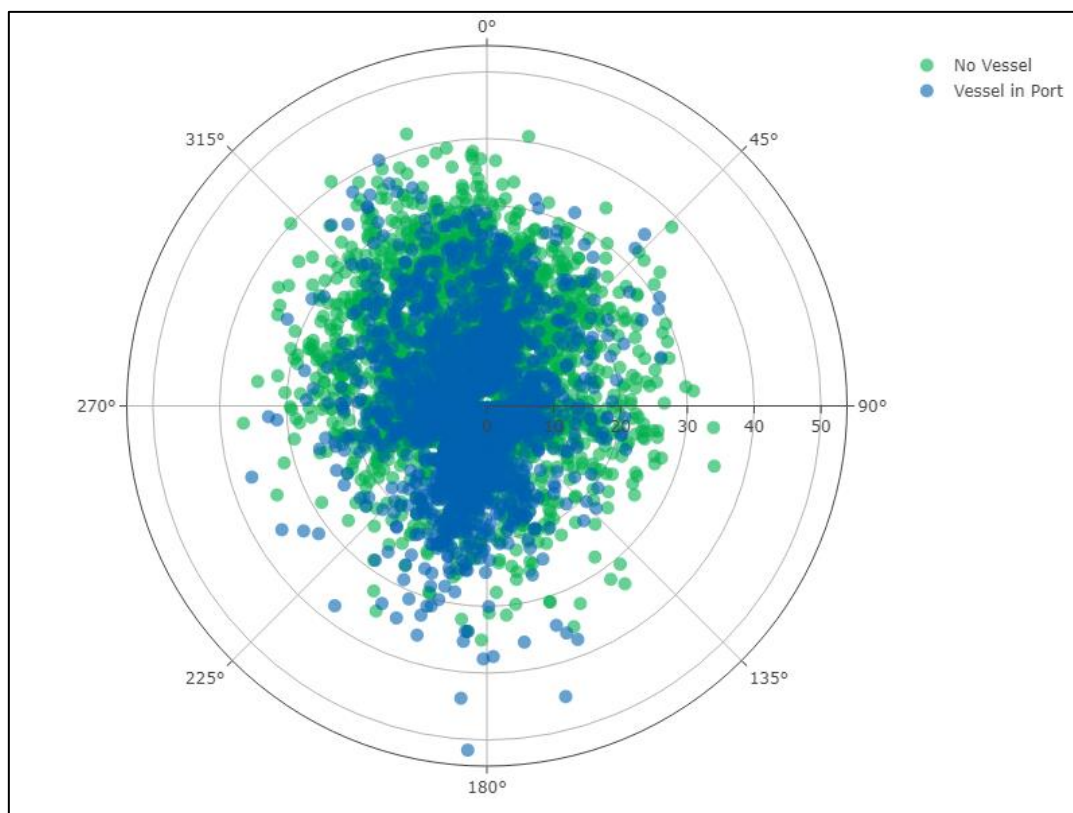


Figure C.6 Hourly average NO₂ concentration (µg/m³) by wind direction (December 2023 - December 2024)

An annual average criterion of 15 ppb is specified for NO₂. The annual average NO₂ concentration for 2024 was 9.5 ppb which is below the criterion by 37%. Monthly average and overall average concentrations using all data available to date are presented in Table C.3.

Table C.3 Monthly NO₂ 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
August 2024	13.0	10.8
September 2024	8.9	6.8
October 2024	6.9	6.9
November 2024	8.0	6.1
December 2024	6.1	4.6
2024 average	9.5	8.0
All available data	9.2	7.6

C-4 SO₂

The SO₂ data observed at the Station Pier AQMS for the entire monitoring period (01 December 2023 to 31 December 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.

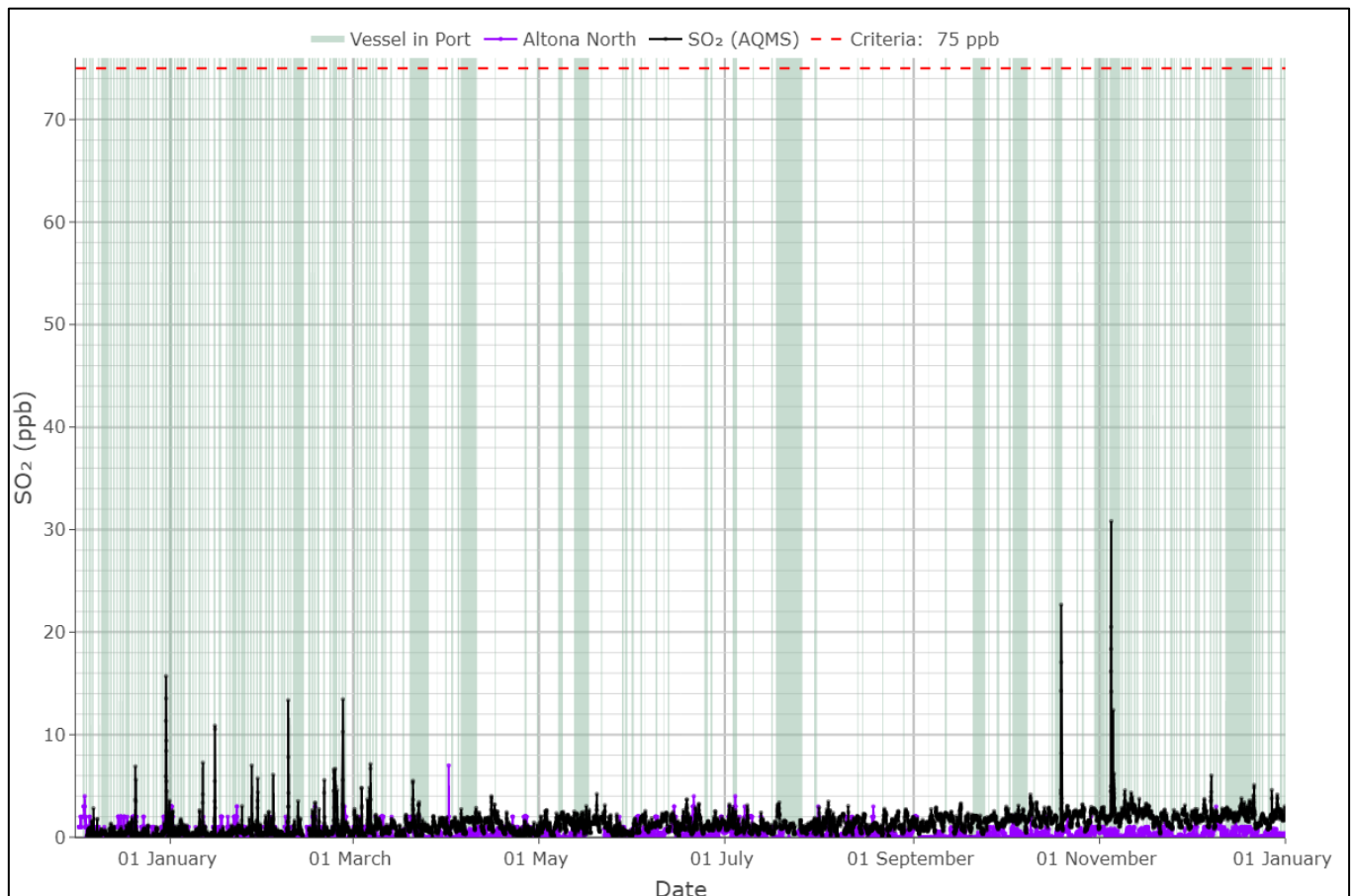


Figure C.7 Hourly average SO₂ concentrations (ppb) at Station Pier and local EPA Station (December 2023 - December 2024) (criteria: 75 ppb)

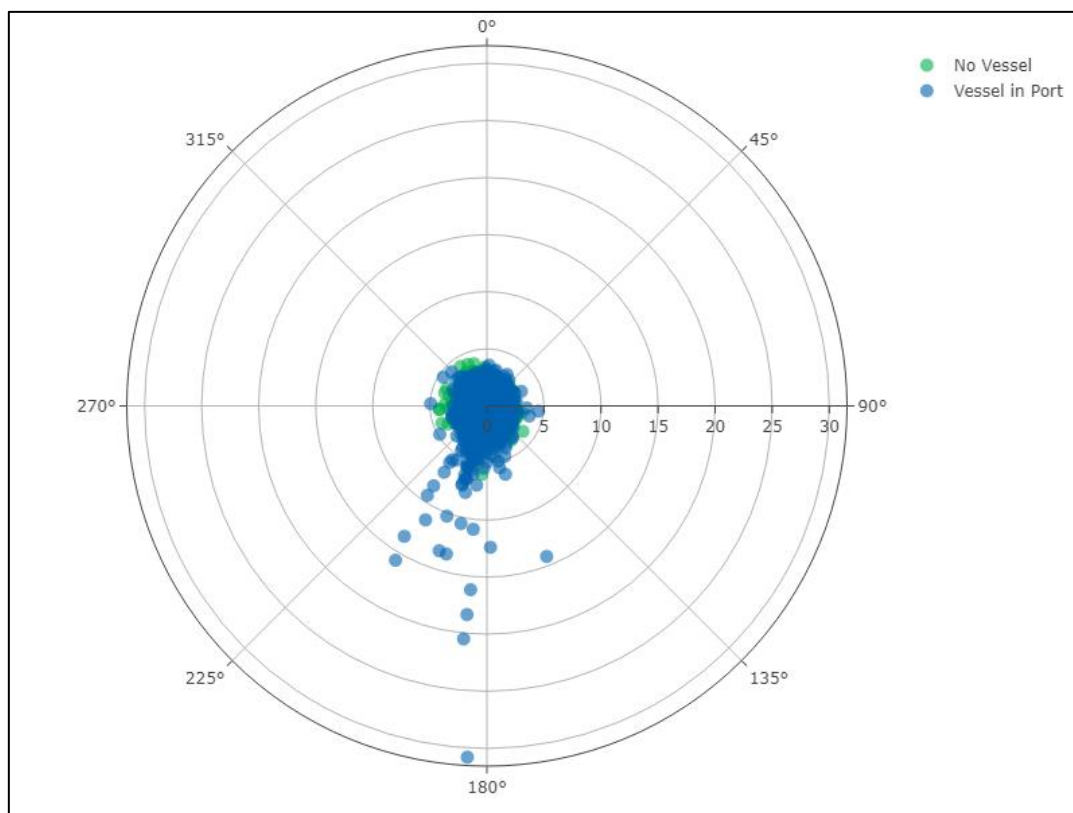


Figure C.8 Hourly average SO_2 concentration ($\mu\text{g}/\text{m}^3$) by wind direction (December 2023 - December 2024)

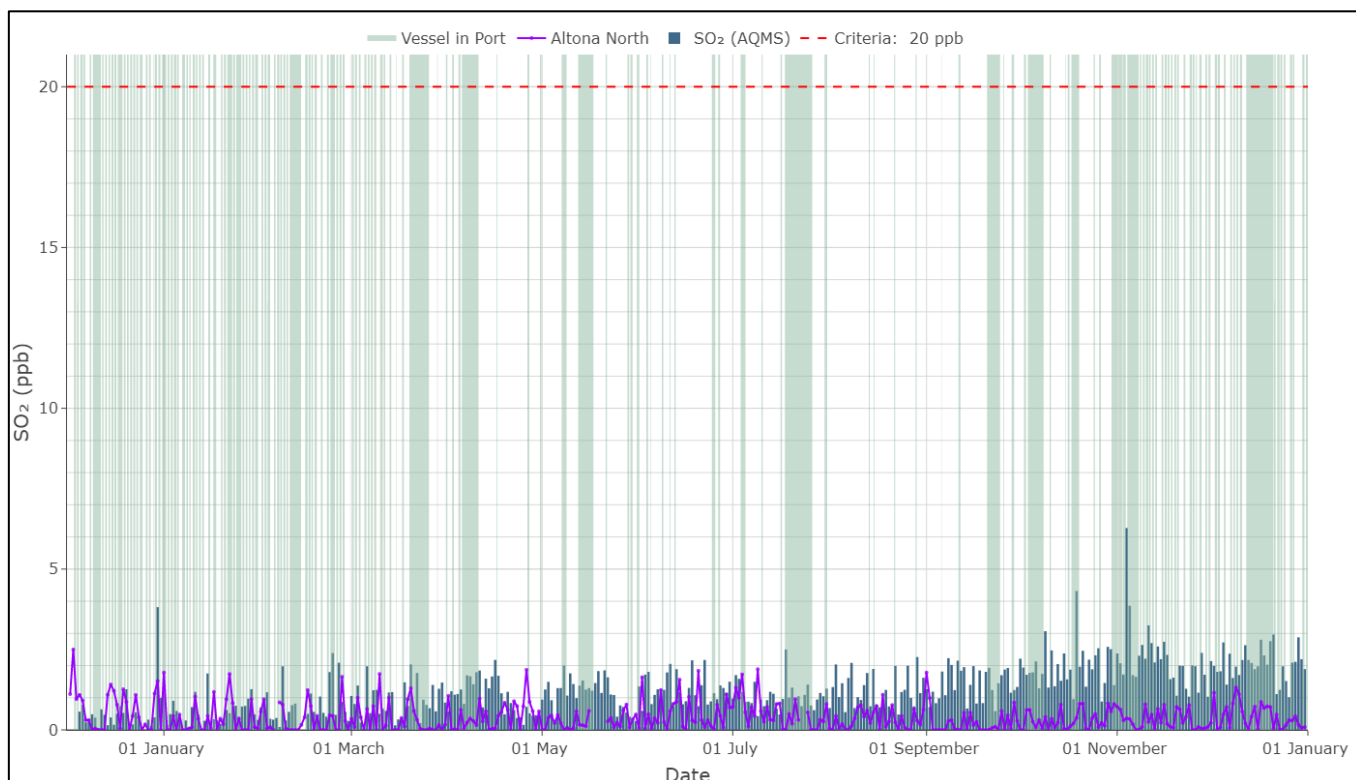


Figure C.9 24-hour average SO_2 concentrations ($\mu\text{g}/\text{m}^3$) at Station Pier and local EPA Station (December 2023 - December 2024) (criteria: $20 \mu\text{g}/\text{m}^3$)

SO₂ concentrations remained below the adopted criteria throughout the monitoring period (1 December 2023 – 31 December 2024), with minimal seasonal variation. SO₂ concentrations do not appear to be significantly impacted by the cruise season.

Appendix D

December 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 December to 31st December 2024

Report No: DAT22221

Issue Date: 17th January 2025

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									
December 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 (°)
01/12/24 00:05	3	25	27	1	20.6	82	0.7	295	29
01/12/24 00:10	2	26	29	1	20.6	83	0.8	299	27
01/12/24 00:15	4	28	31	2	20.7	83	0.8	301	23
01/12/24 00:20	4	28	32	2	20.6	83	0.5	353	37
01/12/24 00:25	4	27	32	2	20.6	83	0.8	327	39
01/12/24 00:30	4	26	30	2	20.6	83	0.8	312	34
01/12/24 00:35	2	20	22	2	20.5	83	0.9	344	39
01/12/24 00:40	1	11	12	2	20.6	83	0.8	321	42
01/12/24 00:45	1	9	9	2	20.7	83	0.9	327	37
01/12/24 00:50	1	7	8	2	20.8	82	1.3	313	23
01/12/24 00:55	1	7	8	2	20.8	82	1.1	334	32
01/12/24 01:00	1	8	8	2	20.7	81	1.3	350	38
01/12/24 01:05					20.8	81	1.3	345	33
01/12/24 01:10					20.8	80	1.1	338	35
01/12/24 01:15					20.7	80	1.2	341	33
01/12/24 01:20					20.8	80	2.0	353	22
01/12/24 01:25					20.7	80	1.2	336	35
01/12/24 01:30					20.6	79	1.1	312	35
01/12/24 01:35					20.7	78	1.7	300	22
01/12/24 01:40					20.8	77	2.3	326	29
01/12/24 01:45					20.9	76	2.5	325	32
01/12/24 01:50					21.1	76	2.5	328	30
01/12/24 01:55					21.1	75	2.9	317	20
01/12/24 02:00					21.1	75	3.8	297	19
01/12/24 02:05	0	6	6	2	21.1	75	3.9	298	18
01/12/24 02:10	0	7	7	2	21.2	75	3.8	298	15
01/12/24 02:15	0	8	8	2	21.2	75	3.5	301	19
01/12/24 02:20	0	10	10	2	21.1	75	2.8	309	20
01/12/24 02:25	0	11	11	2	21.1	75	3.0	305	19
01/12/24 02:30	0	11	11	2	21.0	75	2.7	310	20
01/12/24 02:35	0	10	10	2	21.0	75	2.5	304	22
01/12/24 02:40	0	9	9	2	21.1	75	3.8	297	15
01/12/24 02:45	0	8	8	2	21.0	75	2.8	301	23
01/12/24 02:50	0	8	8	2	21.0	75	2.3	302	28
01/12/24 02:55	0	8	8	2	21.0	75	3.5	297	18
01/12/24 03:00	0	9	9	2	21.0	75	3.2	296	14
01/12/24 03:05	0	8	8	2	20.9	75	2.5	299	20
01/12/24 03:10	0	8	8	2	20.9	75	2.2	319	22
01/12/24 03:15	0	8	9	2	20.8	74	1.9	322	26
01/12/24 03:20	0	8	8	2	20.8	74	2.1	316	28
01/12/24 03:25	0	7	8	2	20.6	74	1.8	326	28
01/12/24 03:30	0	7	7	2	20.7	74	2.2	342	26
01/12/24 03:35	0	6	6	2	20.6	73	3.1	328	24
01/12/24 03:40	0	5	6	2	20.7	73	1.9	336	32
01/12/24 03:45	0	5	5	2	20.5	73	2.0	332	32
01/12/24 03:50	0	5	5	2	20.5	73	1.5	332	33
01/12/24 03:55	0	5	5	2	20.4	72	1.9	342	28
01/12/24 04:00	0	5	5	2	20.4	71	2.4	352	25
01/12/24 04:05	0	5	5	2	20.5	71	2.3	350	23
01/12/24 04:10	0	5	5	2	20.4	70	3.4	357	19
01/12/24 04:15	0	5	5	2	20.4	70	2.6	346	24
01/12/24 04:20	0	5	5	2	20.4	70	2.0	329	35
01/12/24 04:25	0	5	5	2	20.4	70	2.6	320	21
01/12/24 04:30	0	6	6	2	20.4	70	2.3	317	20
01/12/24 04:35	0	8	8	2	20.3	70	2.8	309	22
01/12/24 04:40	0	13	13	2	20.3	70	2.6	322	24
01/12/24 04:45	1	16	17	2	20.2	70	2.5	315	22
01/12/24 04:50	1	16	16	2	20.2	71	2.5	308	22
01/12/24 04:55	0	14	14	2	20.2	71	2.8	315	22
01/12/24 05:00	0	11	11	2	20.2	71	2.7	312	19
01/12/24 05:05	0	10	10	2	20.0	72	2.3	307	25
01/12/24 05:10	0	11	11	2	19.9	72	3.2	295	15
01/12/24 05:15	0	11	11	2	20.0	72	2.4	309	23
01/12/24 05:20	0	11	11	2	19.8	72	2.5	302	17
01/12/24 05:25	1	10	11	2	19.9	73	2.5	304	23
01/12/24 05:30	1	10	10	2	19.9	73	2.7	306	20
01/12/24 05:35	1	10	10	2	19.8	73	2.3	318	23
01/12/24 05:40	1	10	11	2	19.8	73	2.1	316	22
01/12/24 05:45	1	11	12	2	19.9	72	2.2	329	26
01/12/24 05:50	1	10	12	2	20.0	71	2.9	344	24
01/12/24 05:55	1	9	10	2	20.1	70	2.4	342	25
01/12/24 06:00	1	6	7	2	20.1	70	2.4	342	31
01/12/24 06:05	1	5	5	2	20.3	69	1.4	339	42
01/12/24 06:10	1	5	5	2	20.3	68	2.5	359	23
01/12/24 06:15	1	5	5	2	20.4	67	3.7	351	18
01/12/24 06:20	1	4	5	2	20.3	67	3.4	350	27
01/12/24 06:25	1	4	5	2	20.2	68	2.4	326	31
01/12/24 06:30	1	4	5	2	20.3	68	2.6	336	30
01/12/24 06:35	1	4	5	2	20.4	67	2.6	346	35
01/12/24 06:40	1	4	5	2	20.5	67	2.3	338	33
01/12/24 06:45	1	4	5	2	20.5	66	3.2	341	31
01/12/24 06:50	1	4	5	2	20.6	65	2.1	320	34
01/12/24 06:55	1	4	4	2	20.7	64	3.4	338	27
01/12/24 07:00	1	3	4	2	20.8	65	2.3	330	34

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
01/12/24 07:05	1	3	4	2	20.9	64	3.3	332	28
01/12/24 07:10	1	4	5	2	21.0	64	3.0	355	35
01/12/24 07:15	1	4	5	2	21.1	63	2.9	325	31
01/12/24 07:20	1	4	5	2	21.2	63	2.9	325	35
01/12/24 07:25	1	4	5	2	21.4	62	2.1	334	38
01/12/24 07:30	1	4	5	2	21.6	60	3.4	317	26
01/12/24 07:35	2	5	6	2	21.5	59	3.2	316	29
01/12/24 07:40	2	5	7	2	21.6	59	3.0	313	28
01/12/24 07:45	2	5	7	2	21.9	59	3.3	323	33
01/12/24 07:50	2	6	8	3	22.0	58	3.6	328	34
01/12/24 07:55	2	5	7	2	22.0	57	4.2	318	22
01/12/24 08:00	2	5	7	2	22.2	56	2.7	330	36
01/12/24 08:05	2	5	7	3	22.4	56	2.4	332	39
01/12/24 08:10	2	5	7	3	22.6	55	3.1	335	32
01/12/24 08:15	2	6	8	3	22.8	55	2.7	322	39
01/12/24 08:20	2	5	7	3	22.8	55	2.7	312	34
01/12/24 08:25	2	5	7	2	23.0	53	2.8	323	30
01/12/24 08:30	2	5	7	2	23.1	53	3.0	317	27
01/12/24 08:35	2	5	7	3	23.2	53	2.4	307	38
01/12/24 08:40	2	5	7	2	23.1	53	3.0	310	24
01/12/24 08:45	2	5	7	3	23.1	52	4.5	316	26
01/12/24 08:50	2	5	7	3	23.1	51	5.5	296	18
01/12/24 08:55	2	6	8	3	23.2	50	5.5	302	17
01/12/24 09:00	3	6	9	3	23.1	50	4.8	295	17
01/12/24 09:05	2	5	8	3	23.1	52	6.0	287	18
01/12/24 09:10	2	5	7	3	22.9	54	6.4	277	14
01/12/24 09:15	2	2	4	2	22.7	53	6.4	281	14
01/12/24 09:20	1	1	2	2	22.6	53	6.0	282	16
01/12/24 09:25	1	1	2	2	22.7	52	6.7	295	16
01/12/24 09:30	1	2	2	2	22.8	52	6.4	297	15
01/12/24 09:35	1	2	3	2	22.7	52	4.4	303	27
01/12/24 09:40	1	3	4	2	22.9	52	3.9	310	33
01/12/24 09:45	1	3	4	2	23.0	51	5.7	295	18
01/12/24 09:50	1	2	3	2	22.9	52	4.1	286	16
01/12/24 09:55	1	3	4	2	23.2	52	4.3	297	18
01/12/24 10:00	1	3	5	2	23.1	51	6.1	295	15
01/12/24 10:05	1	3	5	2	23.1	52	4.0	295	18
01/12/24 10:10	1	3	4	2	23.1	53	4.9	282	17
01/12/24 10:15	1	3	4	2	23.0	53	4.3	291	18
01/12/24 10:20	1	2	3	2	22.8	53	5.1	295	14
01/12/24 10:25	1	2	3	2	22.8	53	4.3	302	29
01/12/24 10:30	1	2	3	2	22.8	54	4.1	290	15
01/12/24 10:35	1	2	3	2	22.8	54	5.2	283	14
01/12/24 10:40	0	2	3	2	22.7	54	4.7	282	14
01/12/24 10:45	0	2	3	2	22.7	54	5.1	293	19
01/12/24 10:50	0	3	3	2	22.8	52	4.5	301	18
01/12/24 10:55	1	3	4	2	23.0	52	4.6	298	19
01/12/24 11:00	1	4	4	2	22.9	52	4.8	292	18
01/12/24 11:05	1	4	4	2	22.9	53	3.2	302	25
01/12/24 11:10	1	4	5	2	23.1	52	3.0	310	26
01/12/24 11:15	1	5	6	2	23.2	52	3.6	296	19
01/12/24 11:20	1	5	6	2	23.2	52	3.7	297	16
01/12/24 11:25	1	5	6	2	23.4	51	3.9	296	19
01/12/24 11:30	1	5	6	2	23.6	51	4.6	307	29
01/12/24 11:35	1	5	6	2	23.7	50	3.4	329	30
01/12/24 11:40	1	5	6	2	23.9	50	4.1	317	23
01/12/24 11:45	1	5	6	2	23.8	50	4.4	316	21
01/12/24 11:50	1	5	6	3	23.8	50	3.0	309	32
01/12/24 11:55	1	5	6	2	24.0	50	3.3	301	21
01/12/24 12:00	1	5	6	3	24.0	50	4.6	302	17
01/12/24 12:05	1	5	6	3	23.8	50	4.1	297	16
01/12/24 12:10	1	5	6	3	24.0	50	3.9	291	19
01/12/24 12:15	1	5	6	3	24.0	50	3.6	310	23
01/12/24 12:20	1	4	6	2	24.2	49	3.5	315	21
01/12/24 12:25	1	4	6	2	24.2	49	4.0	301	19
01/12/24 12:30	1	4	5	2	24.1	50	4.8	283	14
01/12/24 12:35	1	4	5	2	23.9	50	4.5	289	17
01/12/24 12:40	1	4	4	2	24.1	50	4.2	298	17
01/12/24 12:45	1	4	5	2	24.1	49	5.4	297	15
01/12/24 12:50	1	4	5	2	24.2	49	4.0	311	25
01/12/24 12:55	1	4	5	2	24.4	49	3.2	304	20
01/12/24 13:00	1	5	6	2	24.6	48	3.5	325	30
01/12/24 13:05	1	5	6	2	24.7	48	4.5	295	17
01/12/24 13:10	1	5	6	2	24.6	48	3.6	292	18
01/12/24 13:15	1	5	6	3	24.7	47	3.5	311	29
01/12/24 13:20	1	5	6	3	25.0	47	2.6	324	39
01/12/24 13:25	1	5	6	3	25.1	47	2.8	309	29
01/12/24 13:30	1	5	6	3	25.6	46	2.8	315	32
01/12/24 13:35	1	5	6	3	25.7	45	3.9	317	28
01/12/24 13:40	1	5	6	2	25.3	46	5.5	295	13
01/12/24 13:45	1	5	6	2	24.9	48	6.1	267	13
01/12/24 13:50	1	4	5	2	23.4	59	8.3	252	8
01/12/24 13:55	1	4	5	2	22.6	64	7.6	253	7
01/12/24 14:00	1	5	6	2	21.8	69	7.8	249	6

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
01/12/24 14:05	1	6	6	2	21.4	72	7.3	250	6
01/12/24 14:10	1	6	6	2	21.5	72	9.2	255	7
01/12/24 14:15	1	5	6	2	21.4	72	9.2	259	5
01/12/24 14:20	1	4	5	2	21.1	74	9.5	258	6
01/12/24 14:25	1	4	5	2	20.8	77	6.1	265	8
01/12/24 14:30	1	4	5	2	20.7	78	4.7	265	10
01/12/24 14:35	1	5	6	2	20.6	79	2.1	271	16
01/12/24 14:40	1	5	7	2	20.7	78	2.0	275	14
01/12/24 14:45	1	6	7	2	21.1	75	3.7	279	14
01/12/24 14:50	1	7	8	2	21.2	74	2.6	280	17
01/12/24 14:55	1	7	8	2	21.1	74	1.9	303	28
01/12/24 15:00	1	6	7	2	21.6	72	1.0	261	21
01/12/24 15:05	1	5	6	2	22.0	70	1.9	270	19
01/12/24 15:10	1	5	6	2	22.6	67	2.1	267	14
01/12/24 15:15	1	5	6	2	22.9	66	1.7	269	21
01/12/24 15:20	1	5	6	2	23.1	64	2.3	288	14
01/12/24 15:25	1	5	5	2	23.3	63	2.5	287	20
01/12/24 15:30	1	4	5	2	23.1	63	6.9	254	18
01/12/24 15:35	1	4	5	2	21.8	69	7.6	245	6
01/12/24 15:40	1	5	6	2	21.5	72	5.3	248	6
01/12/24 15:45	1	6	8	2	21.4	72	4.8	249	7
01/12/24 15:50	2	9	10	2	21.6	71	5.0	244	6
01/12/24 15:55	2	10	12	2	21.6	72	4.3	237	6
01/12/24 16:00	2	11	12	2	21.5	72	3.7	239	6
01/12/24 16:05	2	14	16	2	21.5	72	2.5	234	8
01/12/24 16:10	2	14	16	2	21.7	71	2.4	234	6
01/12/24 16:15	2	14	16	2	21.8	72	2.4	249	7
01/12/24 16:20	3	14	17	2	22.1	69	2.3	254	8
01/12/24 16:25	3	13	16	3	22.5	67	1.5	272	21
01/12/24 16:30	3	12	14	3	23.0	63	2.0	284	20
01/12/24 16:35	2	8	10	3	23.7	54	3.8	294	20
01/12/24 16:40	2	0	2	2	24.0	53	3.3	289	20
01/12/24 16:45	1	1	2	2	24.1	54	3.9	267	11
01/12/24 16:50	1	2	3	2	23.8	57	6.4	257	12
01/12/24 16:55	1	2	3	3	23.4	60	6.2	252	6
01/12/24 17:00	1	3	4	3	23.3	59	5.1	249	7
01/12/24 17:05	1	4	5	2	23.3	60	4.3	253	12
01/12/24 17:10	1	5	6	2	23.3	60	5.2	255	10
01/12/24 17:15	1	5	6	2	23.2	60	5.1	262	6
01/12/24 17:20	1	5	5	2	23.2	61	4.0	262	8
01/12/24 17:25	0	5	5	2	23.2	62	3.8	254	6
01/12/24 17:30	0	5	5	2	23.2	61	4.2	256	7
01/12/24 17:35	0	5	5	2	23.3	62	3.8	255	5
01/12/24 17:40	1	5	5	2	23.4	60	4.7	254	9
01/12/24 17:45	1	5	5	2	23.5	60	4.0	255	8
01/12/24 17:50	1	5	5	2	23.4	61	3.5	246	9
01/12/24 17:55	1	6	7	2	23.3	63	3.3	245	7
01/12/24 18:00	1	8	9	2	23.3	62	3.5	236	11
01/12/24 18:05	1	7	8	2	23.5	61	3.9	241	14
01/12/24 18:10	1	8	9	3	23.5	62	3.7	234	14
01/12/24 18:15	1	8	9	3	23.4	65	4.8	223	11
01/12/24 18:20	1	4	5	3	22.8	72	5.9	217	4
01/12/24 18:25	1	2	3	2	22.5	69	7.2	224	6
01/12/24 18:30	0	2	2	2	22.3	71	5.2	221	5
01/12/24 18:35	0	1	2	3	22.1	73	4.1	217	4
01/12/24 18:40	0	1	2	2	21.9	74	3.0	221	8
01/12/24 18:45	0	1	2	2	21.7	73	2.0	245	18
01/12/24 18:50	0	3	3	2	21.8	72	0.9	248	20
01/12/24 18:55	0	5	5	2	22.0	70	0.9	249	13
01/12/24 19:00	0	10	10	2	21.9	71	0.6	222	30
01/12/24 19:05	0	12	12	2	22.1	71	0.8	185	16
01/12/24 19:10	0	10	11	2	22.1	72	1.2	198	8
01/12/24 19:15	0	10	11	2	22.2	73	1.5	197	12
01/12/24 19:20	0	2	3	2	22.2	73	1.6	197	7
01/12/24 19:25	0	2	2	2	22.1	74	1.2	190	12
01/12/24 19:30	0	2	2	2	22.0	74	1.6	192	7
01/12/24 19:35	0	2	2	2	21.9	78	1.5	189	8
01/12/24 19:40	0	2	2	2	21.8	78	0.8	157	35
01/12/24 19:45	0	2	2	2	21.9	79	0.6	69	30
01/12/24 19:50	0	2	2	2	21.7	79	1.1	27	15
01/12/24 19:55	2	3	4	2	21.8	76	0.8	23	14
01/12/24 20:00	1	5	6	2	21.8	75	0.8	81	19
01/12/24 20:05	7	13	20	2	21.8	73	1.0	59	10
01/12/24 20:10	2	6	8	2	22.0	73	0.6	101	22
01/12/24 20:15	0	3	3	2	22.0	72	1.2	101	8
01/12/24 20:20	0	3	3	2	21.9	73	1.0	106	10
01/12/24 20:25	0	3	3	2	22.0	71	0.6	129	11
01/12/24 20:30	0	3	3	2	21.8	72	0.8	142	18
01/12/24 20:35	0	3	3	2	21.9	74	0.8	149	25
01/12/24 20:40	0	3	3	2	21.8	75	1.2	111	16
01/12/24 20:45	0	4	4	2	21.8	75	1.6	97	8
01/12/24 20:50	0	4	4	2	21.7	75	0.8	97	17
01/12/24 20:55	0	4	4	2	21.6	74	0.4	49	28
01/12/24 21:00	0	4	4	2	21.6	72	0.6	36	16

Station Pier Ambient Air Quality Monitoring
December 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 (°)
01/12/24 21:05	0	5	5	2	21.6	71	0.9	25	10
01/12/24 21:10	0	5	6	2	21.6	72	0.8	39	9
01/12/24 21:15	0	6	6	2	21.5	73	1.0	56	17
01/12/24 21:20	0	7	8	2	21.6	74	1.7	63	11
01/12/24 21:25	0	9	9	2	21.4	75	1.9	47	11
01/12/24 21:30	0	10	10	2	21.2	75	1.9	47	9
01/12/24 21:35	0	10	10	2	21.2	76	1.7	42	12
01/12/24 21:40	0	10	10	2	21.1	77	1.4	41	10
01/12/24 21:45	0	11	11	2	21.1	77	1.8	43	8
01/12/24 21:50	5	18	23	2	20.9	77	1.7	35	9
01/12/24 21:55	0	12	12	2	20.8	77	1.8	38	7
01/12/24 22:00	0	10	10	2	20.8	77	1.5	34	8
01/12/24 22:05	0	9	9	2	20.7	77	1.7	38	7
01/12/24 22:10	0	9	10	2	20.7	78	1.7	35	8
01/12/24 22:15	0	10	10	2	20.6	79	1.5	45	8
01/12/24 22:20	0	11	11	2	20.4	80	0.6	63	25
01/12/24 22:25	0	11	11	2	20.4	80	0.9	98	15
01/12/24 22:30	0	11	11	2	20.4	81	1.6	91	7
01/12/24 22:35	0	10	10	2	20.2	81	1.3	68	14
01/12/24 22:40	0	10	10	2	20.2	80	1.3	50	15
01/12/24 22:45	0	9	9	2	20.2	80	1.9	49	10
01/12/24 22:50	0	8	8	2	20.1	80	2.0	50	12
01/12/24 22:55	0	8	8	2	20.1	81	2.0	47	10
01/12/24 23:00	0	7	8	2	19.9	82	1.8	48	8
01/12/24 23:05	0	7	8	2	19.9	82	1.8	44	10
01/12/24 23:10	0	7	8	2	19.9	82	1.8	38	10
01/12/24 23:15	0	7	8	2	19.8	82	1.8	39	9
01/12/24 23:20	0	8	8	2	19.7	83	1.5	40	7
01/12/24 23:25	0	8	8	2	19.7	83	1.6	43	8
01/12/24 23:30	1	9	9	2	19.6	83	1.3	32	16
01/12/24 23:35	1	9	10	2	19.6	83	1.0	21	13
01/12/24 23:40	1	10	10	2	19.6	83	1.1	40	19
01/12/24 23:45	1	10	10	2	19.5	84	1.2	34	16
01/12/24 23:50	0	9	10		19.4	85	1.2	18	13
01/12/24 23:55	0	9	10		19.2	85	1.3	19	11
02/12/24 00:00	0	9	10	2	19.2	85	1.1	360	14
02/12/24 00:05	0	10	10	2	19.2	85	0.8	15	24
02/12/24 00:10	0	10	10	2	19.3	85	0.4	358	42
02/12/24 00:15	0	10	10	1	19.3	85	0.2	62	58
02/12/24 00:20	0	10	11	1	19.3	85	0.2	104	47
02/12/24 00:25	0	10	11	1	19.1	85	0.1	208	62
02/12/24 00:30	0	11	11	2	19.2	86	0.5	259	27
02/12/24 00:35	0	10	11	2	19.2	86	0.7	306	9
02/12/24 00:40	0	10	10	2	19.2	86	0.9	333	25
02/12/24 00:45	0	10	10	2	19.2	86	0.5	323	36
02/12/24 00:50	0	10	9	2	19.1	87	0.5	340	46
02/12/24 00:55	0	10	10	1	19.0	87	0.6	306	29
02/12/24 01:00	0	9	9	1	19.1	87	0.9	319	24
02/12/24 01:05					19.0	88	0.9	317	39
02/12/24 01:10					19.0	88	1.6	290	8
02/12/24 01:15					19.0	88	1.3	310	13
02/12/24 01:20					18.9	88	0.9	336	23
02/12/24 01:25					18.9	88	0.9	326	23
02/12/24 01:30					18.8	88	1.2	322	14
02/12/24 01:35					18.8	89	1.2	329	14
02/12/24 01:40					18.8	89	1.1	342	14
02/12/24 01:45					18.7	89	1.4	350	9
02/12/24 01:50					18.7	89	0.8	348	20
02/12/24 01:55					18.7	89	0.9	12	11
02/12/24 02:00					18.5	89	1.0	38	8
02/12/24 02:05	1	11	11	2	18.5	90	1.3	31	7
02/12/24 02:10	1	10	11	2	18.3	90	1.2	22	9
02/12/24 02:15	1	10	11	2	18.3	90	1.1	33	7
02/12/24 02:20	1	10	11	2	18.3	91	1.0	32	6
02/12/24 02:25	0	10	11	2	18.2	91	0.8	12	15
02/12/24 02:30	0	10	11	2	18.2	91	0.9	340	19
02/12/24 02:35	0	11	11	2	18.2	91	0.9	324	25
02/12/24 02:40	0	12	12	2	18.4	91	1.0	307	16
02/12/24 02:45	0	12	13	2	18.4	91	1.2	305	14
02/12/24 02:50	1	13	14	2	18.5	90	1.3	306	12
02/12/24 02:55	1	15	16	2	18.4	90	1.5	308	12
02/12/24 03:00	3	24	27	2	18.4	90	1.7	308	13
02/12/24 03:05	8	25	32	2	18.3	90	1.4	303	10
02/12/24 03:10	9	22	31	2	18.4	90	1.2	305	10
02/12/24 03:15	9	21	30	2	18.3	90	0.9	313	14
02/12/24 03:20	8	21	28	2	18.1	90	0.9	308	14
02/12/24 03:25	8	20	28	2	18.3	89	0.7	310	15
02/12/24 03:30	9	19	28	2	18.1	89	0.7	298	16
02/12/24 03:35	11	19	29	2	18.2	89	0.9	283	12
02/12/24 03:40	12	18	30	2	18.3	89	0.9	297	9
02/12/24 03:45	14	18	32	2	18.3	88	0.8	295	12
02/12/24 03:50	16	18	35	2	18.2	88	0.9	289	10
02/12/24 03:55	18	20	38	2	18.3	87	0.9	292	11
02/12/24 04:00	16	19	36	2	18.3	87	0.7	269	21

Station Pier Ambient Air Quality Monitoring
December 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 (°)
02/12/24 04:05	28	19	46	2	18.3	86	0.7	290	15
02/12/24 04:10	25	19	44	2	18.2	86	0.6	296	14
02/12/24 04:15	15	19	34	2	17.9	87	0.5	323	19
02/12/24 04:20	14	19	32	2	17.7	88	0.5	330	21
02/12/24 04:25	17	21	38	2	17.6	89	0.4	356	17
02/12/24 04:30	19	19	39	2	17.4	89	0.3	354	27
02/12/24 04:35	18	19	36	2	17.4	89	0.5	5	20
02/12/24 04:40	18	19	37	2	17.4	90	0.4	32	22
02/12/24 04:45	18	19	36	2	17.3	89	0.3	18	52
02/12/24 04:50	14	19	33	2	17.4	88	0.4	60	9
02/12/24 04:55	8	21	28	2	17.5	88	0.3	73	28
02/12/24 05:00	7	20	27	2	17.5	87	0.2	38	15
02/12/24 05:05	11	18	29	2	17.5	87	0.4	354	16
02/12/24 05:10	14	17	31	2	17.5	87	0.5	347	10
02/12/24 05:15	15	18	32	2	17.7	86	0.5	350	11
02/12/24 05:20	15	18	33	2	17.8	85	0.7	330	19
02/12/24 05:25	14	18	32	2	17.9	84	0.8	337	15
02/12/24 05:30	13	18	31	2	18.2	82	1.0	335	9
02/12/24 05:35	20	16	35	2	18.4	80	1.1	329	8
02/12/24 05:40	48	22	70	2	18.6	80	1.0	332	12
02/12/24 05:45	54	20	74	2	18.7	80	1.1	344	16
02/12/24 05:50	79	22	102	2	18.7	80	0.9	332	21
02/12/24 05:55	87	25	112	2	18.8	81	0.9	346	19
02/12/24 06:00	87	24	111	2	18.8	81	0.8	337	20
02/12/24 06:05	85	24	109	3	18.9	81	0.9	1	17
02/12/24 06:10	88	21	109	3	19.1	80	1.2	352	15
02/12/24 06:15	94	19	113	3	19.1	80	1.1	353	20
02/12/24 06:20	71	23	94	3	19.3	78	1.0	358	17
02/12/24 06:25	35	20	55	3	19.2	77	0.8	347	18
02/12/24 06:30	35	20	55	2	19.4	77	0.2	0	79
02/12/24 06:35	31	15	46	3	19.7	76	1.1	85	10
02/12/24 06:40	15	16	31	3	19.9	75	1.1	74	16
02/12/24 06:45	10	11	22	2	20.2	74	1.7	87	16
02/12/24 06:50	6	5	11	2	20.3	72	1.5	83	10
02/12/24 06:55	3	5	9	2	20.3	73	2.2	92	8
02/12/24 07:00	4	8	12	2	20.4	73	1.7	79	15
02/12/24 07:05	9	12	21	2	20.4	73	1.4	69	20
02/12/24 07:10	32	23	55	2	20.7	72	1.6	95	15
02/12/24 07:15	7	9	16	2	21.0	71	1.6	70	29
02/12/24 07:20	8	12	21	3	21.0	69	1.1	63	19
02/12/24 07:25	9	12	21	3	21.3	69	1.0	90	23
02/12/24 07:30	10	13	23	3	21.5	68	1.2	103	18
02/12/24 07:35	12	14	26	3	21.9	67	1.0	114	14
02/12/24 07:40	13	14	27	3	22.3	66	0.7	151	30
02/12/24 07:45	13	14	27	3	22.1	66	1.6	201	8
02/12/24 07:50	13	14	27	3	21.3	70	1.6	202	12
02/12/24 07:55	21	15	36	3	21.0	72	0.8	169	31
02/12/24 08:00	18	15	33	3	21.5	70	0.9	177	36
02/12/24 08:05	14	13	27	3	21.2	72	1.6	195	9
02/12/24 08:10	19	12	31	3	21.3	73	1.1	180	23
02/12/24 08:15	19	14	33	3	21.8	70	0.9	141	37
02/12/24 08:20	18	17	35	3	22.4	69	0.5	150	51
02/12/24 08:25	36	21	58	3	22.5	68	1.4	174	16
02/12/24 08:30	30	17	47	3	22.5	67	1.3	151	24
02/12/24 08:35	17	15	32	3	22.5	66	1.7	153	17
02/12/24 08:40	16	14	30	3	22.7	65	0.8	111	45
02/12/24 08:45	33	29	62	3	22.7	66	1.1	158	20
02/12/24 08:50	16	13	30	3	22.8	67	0.8	165	37
02/12/24 08:55	16	15	31	3	22.6	69	1.6	195	11
02/12/24 09:00	20	15	35	3	22.3	70	0.5	166	51
02/12/24 09:05	25	16	41	3	22.6	69	1.4	185	26
02/12/24 09:10	22	16	38	3	23.0	67	1.6	170	19
02/12/24 09:15	17	14	31	3	23.5	64	1.6	154	24
02/12/24 09:20	12	12	24	3	23.6	64	1.7	167	33
02/12/24 09:25	17	14	30	2	23.8	65	1.8	159	19
02/12/24 09:30	7	10	18	2	23.8	66	2.3	155	20
02/12/24 09:35	7	10	16	2	23.3	68	2.8	137	18
02/12/24 09:40	7	10	17	2	23.1	71	1.2	136	50
02/12/24 09:45	7	9	16	2	23.7	62	1.5	8	61
02/12/24 09:50	5	3	8	2	25.7	50	1.3	340	41
02/12/24 09:55	2	4	6	2	26.3	47	2.5	17	22
02/12/24 10:00	2	4	6	2	26.9	46	3.0	347	27
02/12/24 10:05	2	4	6	2	26.9	46	3.6	19	30
02/12/24 10:10	2	4	6	2	27.1	46	3.1	347	28
02/12/24 10:15	2	5	7	2	27.2	46	3.7	1	30
02/12/24 10:20	2	5	6	2	27.1	46	3.0	329	21
02/12/24 10:25	1	4	6	2	27.0	47	1.9	308	28
02/12/24 10:30	1	4	6	2	27.1	45	4.0	318	20
02/12/24 10:35	1	4	5	2	27.0	45	3.4	322	33
02/12/24 10:40	1	4	5	2	27.2	44	2.9	355	38
02/12/24 10:45	1	4	5	2	27.7	43	3.3	354	26
02/12/24 10:50	1	4	6	2	27.8	43	2.3	335	44
02/12/24 10:55	1	4	6	2	27.7	43	3.6	9	18
02/12/24 11:00	1	5	6	2	28.3	42	2.8	6	33

Station Pier Ambient Air Quality Monitoring
December 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 (°)
02/12/24 11:05	1	5	6	2	28.4	40	3.6	357	28
02/12/24 11:10	1	5	6	2	28.5	40	3.2	356	25
02/12/24 11:15	2	4	6	2	28.7	40	2.5	318	35
02/12/24 11:20	1	3	4	2	28.3	39	3.0	336	40
02/12/24 11:25	1	4	5	2	28.5	39	4.4	4	19
02/12/24 11:30	2	4	6	2	28.8	39	2.8	326	43
02/12/24 11:35	2	4	6	2	28.4	39	3.5	325	30
02/12/24 11:40	1	4	5	2	28.4	38	3.3	320	25
02/12/24 11:45	2	4	5	2	28.6	39	2.8	301	36
02/12/24 11:50	2	4	6	2	28.5	39	3.6	311	28
02/12/24 11:55	2	4	6	2	29.1	38	3.3	345	32
02/12/24 12:00	1	4	5	2	29.1	38	2.6	339	34
02/12/24 12:05	1	4	5	2	29.2	37	3.2	318	35
02/12/24 12:10	1	4	5	2	28.9	37	5.0	300	14
02/12/24 12:15	1	4	5	2	28.9	37	2.7	319	26
02/12/24 12:20	1	4	5	2	28.9	37	3.4	286	29
02/12/24 12:25	1	4	5	2	28.8	37	3.7	299	27
02/12/24 12:30	1	4	5	2	29.3	36	3.3	317	28
02/12/24 12:35	1	4	6	2	29.8	35	3.4	13	31
02/12/24 12:40	2	4	6	2	30.0	35	2.3	351	36
02/12/24 12:45	2	4	6	2	30.0	34	3.4	323	31
02/12/24 12:50	1	4	5	2	30.0	34	3.4	312	28
02/12/24 12:55	1	4	5	2	29.9	34	2.5	359	37
02/12/24 13:00	2	5	6	2	30.4	32	4.0	11	23
02/12/24 13:05	1	4	6	2	30.5	33	3.5	327	32
02/12/24 13:10	1	4	5	2	30.4	32	3.2	344	40
02/12/24 13:15	1	4	5	2	30.8	31	3.5	353	24
02/12/24 13:20	1	4	5	2	30.5	31	3.1	306	25
02/12/24 13:25	1	4	5	2	30.5	31	3.9	349	32
02/12/24 13:30	1	4	5	2	30.5	31	3.0	324	32
02/12/24 13:35	1	3	4	2	30.4	32	2.4	315	43
02/12/24 13:40	2	5	7	2	31.2	31	3.6	6	25
02/12/24 13:45	2	6	7	2	31.6	29	4.2	345	30
02/12/24 13:50	2	5	7	2	31.3	29	3.9	2	28
02/12/24 13:55	2	5	7	2	31.5	29	2.7	335	35
02/12/24 14:00	2	5	7	2	31.4	29	3.1	354	27
02/12/24 14:05	2	5	7	2	31.9	28	3.6	358	23
02/12/24 14:10	1	5	6	2	31.8	28	3.3	349	37
02/12/24 14:15	1	5	6	2	31.8	28	4.2	312	35
02/12/24 14:20	1	5	6	2	31.5	27	2.6	326	47
02/12/24 14:25	2	5	7	2	32.0	27	3.6	2	23
02/12/24 14:30	2	5	7	2	32.1	27	3.6	304	28
02/12/24 14:35	2	4	6	2	31.5	27	2.6	301	37
02/12/24 14:40	1	4	5	2	31.8	27	2.6	355	32
02/12/24 14:45	1	4	5	2	31.9	26	3.7	359	30
02/12/24 14:50	1	4	5	2	32.5	26	2.4	329	51
02/12/24 14:55	1	5	6	2	32.6	25	3.3	323	33
02/12/24 15:00	1	4	6	2	31.9	25	4.5	287	19
02/12/24 15:05	1	4	5	2	31.8	25	4.4	312	24
02/12/24 15:10	1	4	5	2	32.1	25	2.9	350	29
02/12/24 15:15	1	4	5	2	32.3	25	3.6	340	30
02/12/24 15:20	1	4	5	2	32.7	24	2.9	354	22
02/12/24 15:25	1	4	5	2	32.7	24	2.7	317	33
02/12/24 15:30	1	4	5	2	32.6	24	2.5	355	33
02/12/24 15:35	1	4	5	2	32.4	25	2.8	319	38
02/12/24 15:40	1	5	6	2	32.0	25	3.6	306	36
02/12/24 15:45	1	4	6	2	32.3	25	2.9	327	39
02/12/24 15:50	1	4	6	1	32.6	25	3.5	352	24
02/12/24 15:55	1	5	6	1	32.9	24	2.7	337	30
02/12/24 16:00	1	5	6	1	33.0	23	2.8	336	43
02/12/24 16:05	1	5	6	1	32.5	23	3.5	301	23
02/12/24 16:10	1	5	6	1	32.5	24	3.5	304	22
02/12/24 16:15	1	5	6	1	32.8	23	2.4	326	49
02/12/24 16:20	1	5	6	1	32.7	23	2.9	337	36
02/12/24 16:25	1	4	5	1	32.7	23	3.2	324	25
02/12/24 16:30	1	4	5	1	32.7	23	3.1	313	27
02/12/24 16:35	1	4	5	1	32.6	23	2.4	319	43
02/12/24 16:40	1	5	6	1	32.9	23	3.7	328	27
02/12/24 16:45	1	4	5	1	33.0	23	3.8	359	28
02/12/24 16:50	1	4	5	1	33.0	23	2.1	320	33
02/12/24 16:55	1	4	5	1	33.1	23	3.7	345	26
02/12/24 17:00	1	4	4	1	33.0	22	3.3	338	28
02/12/24 17:05	1	4	4	1	32.8	23	3.1	305	29
02/12/24 17:10	1	4	5	1	32.7	23	2.8	299	19
02/12/24 17:15	1	5	5	2	32.5	24	2.4	340	44
02/12/24 17:20	1	5	6	2	32.8	24	3.1	354	27
02/12/24 17:25	1	5	6	2	32.7	23	2.6	311	30
02/12/24 17:30	1	6	7	1	32.6	24	1.7	354	36
02/12/24 17:35	1	6	7	1	32.8	24	3.6	10	26
02/12/24 17:40	1	6	7	1	32.6	25	3.5	19	23
02/12/24 17:45	1	3	4	1	32.5	25	3.4	16	23
02/12/24 17:50	0	4	5	1	32.6	25	1.8	16	33
02/12/24 17:55	1	6	6	1	32.4	25	1.8	350	40
02/12/24 18:00	1	6	7	1	32.5	25	3.4	15	21

Station Pier Ambient Air Quality Monitoring
December 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 (°)
02/12/24 18:05	1	6	7	1	32.3	25	3.6	17	20
02/12/24 18:10	1	5	6	1	32.2	25	4.1	20	19
02/12/24 18:15	1	5	6	1	32.1	26	3.5	25	14
02/12/24 18:20	1	5	6	1	32.1	26	2.6	13	23
02/12/24 18:25	1	6	7	2	32.0	26	2.1	20	25
02/12/24 18:30	1	6	7	2	32.0	26	2.8	21	17
02/12/24 18:35	1	7	7	2	31.9	26	3.3	22	22
02/12/24 18:40	1	7	8	2	31.8	27	2.9	26	14
02/12/24 18:45	1	7	8	1	31.6	27	2.7	25	16
02/12/24 18:50	1	7	8	2	31.5	27	2.0	31	18
02/12/24 18:55	1	8	8	2	31.4	27	3.0	27	13
02/12/24 19:00	1	8	9	1	31.5	28	2.0	38	18
02/12/24 19:05	1	9	10	2	31.3	28	2.0	26	23
02/12/24 19:10	1	9	10	2	31.3	28	3.7	29	12
02/12/24 19:15	1	8	9	2	31.2	27	3.7	35	14
02/12/24 19:20	1	7	8	2	31.3	28	2.5	41	14
02/12/24 19:25	1	8	9	2	31.1	28	2.4	37	14
02/12/24 19:30	1	9	10	1	31.1	28	2.6	35	17
02/12/24 19:35	1	9	10	1	31.0	28	2.2	31	11
02/12/24 19:40	1	9	10	1	30.9	28	2.2	35	11
02/12/24 19:45	1	10	10	1	30.9	28	2.7	31	12
02/12/24 19:50	1	10	10	1	30.9	28	2.3	37	13
02/12/24 19:55	1	9	10	2	30.9	28	2.7	34	13
02/12/24 20:00	1	9	9	2	30.8	28	3.0	41	12
02/12/24 20:05	1	8	9	2	30.8	28	3.1	39	12
02/12/24 20:10	0	8	8	2	30.8	28	2.8	36	16
02/12/24 20:15	0	8	8	2	30.8	28	3.1	38	13
02/12/24 20:20	0	7	8	2	30.7	28	3.5	39	12
02/12/24 20:25	0	7	8	2	30.7	28	3.3	31	10
02/12/24 20:30	0	7	8	2	30.6	28	3.4	30	15
02/12/24 20:35	0	7	7	2	30.6	28	2.3	26	16
02/12/24 20:40	0	8	8	2	30.5	29	1.5	23	27
02/12/24 20:45	1	9	9	2	30.3	30	2.1	19	22
02/12/24 20:50	1	9	9	2	30.2	30	2.1	18	24
02/12/24 20:55	1	11	11	2	30.1	31	1.5	23	22
02/12/24 21:00	1	10	11	2	29.9	31	1.9	33	15
02/12/24 21:05	1	9	10	2	29.9	30	2.2	21	13
02/12/24 21:10	1	9	9	2	30.0	30	1.6	23	20
02/12/24 21:15	0	8	9	2	29.9	31	1.8	30	14
02/12/24 21:20	0	9	9	2	29.7	32	1.3	325	38
02/12/24 21:25	0	9	9	2	29.5	33	1.4	316	26
02/12/24 21:30	0	10	10	2	29.4	33	1.2	347	29
02/12/24 21:35	0	12	12	2	29.3	33	1.7	9	20
02/12/24 21:40	0	13	14	2	29.2	36	1.4	335	59
02/12/24 21:45	0	14	15	2	28.6	39	3.9	289	22
02/12/24 21:50	0	12	13	2	27.9	42	3.7	284	20
02/12/24 21:55	0	5	6	2	27.6	44	3.3	289	17
02/12/24 22:00	0	5	5	2	27.3	46	2.9	280	16
02/12/24 22:05	0	4	5	2	26.8	49	2.9	263	12
02/12/24 22:10	0	5	5	2	26.3	51	1.6	275	23
02/12/24 22:15	0	5	5	2	26.3	51	1.4	283	20
02/12/24 22:20	0	7	7	2	26.2	52	0.3	242	51
02/12/24 22:25	0	10	10	2	26.0	53	0.3	217	49
02/12/24 22:30	0	10	10	2	25.9	54	0.5	175	57
02/12/24 22:35	0	10	10	2	25.8	56	1.3	159	21
02/12/24 22:40	0	8	8	2	25.4	60	0.9	131	25
02/12/24 22:45	0	5	5	2	25.1	63	1.2	170	21
02/12/24 22:50	0	4	4	2	25.0	63	1.5	175	11
02/12/24 22:55	0	4	4	2	24.9	63	1.5	163	12
02/12/24 23:00	0	3	4	2	24.8	64	1.1	140	25
02/12/24 23:05	0	3	3	2	24.5	70	1.0	103	16
02/12/24 23:10	0	3	3	2	24.3	69	0.7	96	37
02/12/24 23:15	0	3	3	2	24.1	68	0.7	30	15
02/12/24 23:20	0	3	3	2	24.3	66	0.9	59	14
02/12/24 23:25	0	4	4	2	24.6	64	0.8	53	17
02/12/24 23:30	0	4	5	2	24.8	62	1.6	56	15
02/12/24 23:35	0	5	5	2	25.1	61	1.4	70	18
02/12/24 23:40	0	5	5	2	25.1	60	1.8	81	7
02/12/24 23:45	0	5	5	2	25.2	60	1.9	75	13
02/12/24 23:50	0	6	6		25.2	58	1.7	43	17
02/12/24 23:55	1	7	8		25.3	57	1.5	27	25
03/12/24 00:00	1	7	8	2	25.4	56	1.5	332	27
03/12/24 00:05	1	6	7	2	25.5	55	0.7	336	34
03/12/24 00:10	0	6	6	2	25.4	55	1.0	333	40
03/12/24 00:15	0	6	6	3	25.6	54	1.2	1	34
03/12/24 00:20	0	6	6	3	25.7	54	1.1	17	32
03/12/24 00:25	0	6	6	3	25.7	54	1.3	16	19
03/12/24 00:30	0	6	6	3	25.8	54	1.3	355	23
03/12/24 00:35	0	6	6	3	25.7	54	1.3	22	26
03/12/24 00:40	0	6	6	3	25.8	53	2.5	23	17
03/12/24 00:45	0	6	6	3	26.0	53	2.6	21	18
03/12/24 00:50	0	6	6	3	26.0	53	1.9	2	29
03/12/24 00:55	0	5	5	3	25.9	54	3.4	3	17
03/12/24 01:00	0	5	5	3	25.8	55	3.2	8	24

Station Pier Ambient Air Quality Monitoring
December 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 (°)
03/12/24 01:05					25.7	56	3.0	2	24
03/12/24 01:10					25.4	58	3.0	1	26
03/12/24 01:15					25.1	60	4.8	6	22
03/12/24 01:20					24.8	62	2.9	12	27
03/12/24 01:25					24.5	65	3.4	15	19
03/12/24 01:30					24.3	66	3.1	2	22
03/12/24 01:35					24.0	67	1.7	3	32
03/12/24 01:40					23.9	68	2.6	7	23
03/12/24 01:45					23.7	69	2.3	353	20
03/12/24 01:50					23.5	71	3.0	8	21
03/12/24 01:55					23.2	72	2.6	353	23
03/12/24 02:00					23.2	73	1.4	360	36
03/12/24 02:05	0	4	4	2	23.1	74	1.9	4	23
03/12/24 02:10	0	3	4	2	23.1	75	2.0	19	22
03/12/24 02:15	0	3	4	2	23.0	76	1.8	8	17
03/12/24 02:20	0	3	3	2	22.8	77	1.5	339	26
03/12/24 02:25	0	3	3	2	22.8	77	1.3	337	29
03/12/24 02:30	0	3	3	2	22.7	77	1.6	332	29
03/12/24 02:35	0	4	4	1	22.7	78	1.4	351	21
03/12/24 02:40	0	5	5	2	22.7	78	1.9	1	25
03/12/24 02:45	0	6	6	2	22.7	78	2.1	330	29
03/12/24 02:50	0	6	7	2	22.6	77	2.4	344	24
03/12/24 02:55	0	6	6	1	22.6	79	2.8	1	29
03/12/24 03:00	0	6	6	2	22.3	81	3.7	8	20
03/12/24 03:05	0	6	6	2	22.2	83	2.8	5	24
03/12/24 03:10	0	5	5	1	22.0	84	3.6	6	20
03/12/24 03:15	0	5	5	1	22.0	85	3.7	9	25
03/12/24 03:20	0	5	5	1	22.0	84	3.3	13	26
03/12/24 03:25	0	4	4	2	22.1	83	3.1	3	24
03/12/24 03:30	0	4	4	2	22.1	83	2.8	358	28
03/12/24 03:35	0	4	4	2	22.2	82	4.5	3	20
03/12/24 03:40	0	4	4	2	22.3	82	4.0	3	22
03/12/24 03:45	0	4	4	2	22.3	82	3.0	0	27
03/12/24 03:50	0	4	4	2	22.4	82	3.9	357	22
03/12/24 03:55	0	4	4	2	22.4	82	4.3	359	26
03/12/24 04:00	0	4	4	2	22.4	82	3.3	5	21
03/12/24 04:05	0	4	4	2	22.4	82	3.8	357	22
03/12/24 04:10	0	4	4	2	22.4	82	3.5	356	21
03/12/24 04:15	0	4	4	2	22.6	82	4.0	2	21
03/12/24 04:20	0	4	4	2	22.6	81	4.9	0	21
03/12/24 04:25	0	4	4	2	22.8	81	2.8	5	33
03/12/24 04:30	0	4	4	2	22.7	81	3.8	357	24
03/12/24 04:35	0	4	4	2	22.8	81	4.0	347	20
03/12/24 04:40	0	4	4	2	22.8	81	4.2	351	22
03/12/24 04:45	0	4	4	2	22.7	81	3.0	345	19
03/12/24 04:50	0	5	5	2	22.7	81	3.8	1	23
03/12/24 04:55	0	5	5	2	22.7	82	4.0	356	20
03/12/24 05:00	0	5	5	1	22.7	82	2.4	358	27
03/12/24 05:05	0	5	6	1	22.7	82	3.1	360	20
03/12/24 05:10	0	6	6	2	22.9	81	3.2	2	24
03/12/24 05:15	0	7	7	2	22.9	81	4.0	360	20
03/12/24 05:20	0	8	8	2	23.1	80	3.4	1	20
03/12/24 05:25	0	9	9	2	23.1	80	3.1	357	29
03/12/24 05:30	1	10	11	2	23.0	80	3.4	349	25
03/12/24 05:35	1	11	12	2	23.1	80	3.3	353	21
03/12/24 05:40	1	12	12	2	23.3	80	3.3	358	21
03/12/24 05:45	1	12	13	2	23.2	79	3.1	352	30
03/12/24 05:50	1	12	13	2	23.3	79	3.6	360	23
03/12/24 05:55	1	12	13	2	23.4	79	3.1	357	26
03/12/24 06:00	1	12	13	2	23.4	79	3.1	357	28
03/12/24 06:05	1	12	13	2	23.3	79	3.6	356	24
03/12/24 06:10	1	12	13	2	23.3	79	4.4	354	20
03/12/24 06:15	1	12	13	2	23.4	78	3.2	348	34
03/12/24 06:20	1	12	13	2	23.4	78	3.3	353	24
03/12/24 06:25	2	12	13	2	23.5	78	3.2	355	26
03/12/24 06:30	2	12	14	2	23.8	78	3.1	345	32
03/12/24 06:35	2	12	14	1	24.0	77	4.0	346	23
03/12/24 06:40	2	11	14	1	24.1	77	3.5	345	28
03/12/24 06:45	3	11	14	1	24.2	77	3.0	334	33
03/12/24 06:50	2	10	13	1	24.4	76	3.4	322	26
03/12/24 06:55	2	10	12	2	24.5	75	3.3	333	29
03/12/24 07:00	2	9	12	2	24.7	75	3.5	345	28
03/12/24 07:05	2	9	11	1	24.9	74	2.5	343	33
03/12/24 07:10	2	9	11	2	25.1	73	2.0	333	41
03/12/24 07:15	2	8	11	2	25.2	73	3.1	356	33
03/12/24 07:20	2	8	10	2	25.3	72	3.0	338	29
03/12/24 07:25	2	7	10	2	25.4	72	1.9	318	35
03/12/24 07:30	2	7	10	2	25.7	71	3.7	329	29
03/12/24 07:35	2	7	10	1	25.6	71	2.4	322	33
03/12/24 07:40	2	7	10	1	25.8	71	3.1	308	24
03/12/24 07:45	2	7	9	1	25.7	70	3.3	299	25
03/12/24 07:50	2	7	9	1	25.8	70	3.5	317	28
03/12/24 07:55	2	8	9	1	25.8	70	4.4	300	20
03/12/24 08:00	2	8	10	1	25.8	70	3.7	300	23

Station Pier Ambient Air Quality Monitoring
December 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 (°)
03/12/24 08:05	2	9	11	1	25.9	70	3.6	302	23
03/12/24 08:10	2	10	12	2	26.0	69	3.1	313	28
03/12/24 08:15	3	10	13	2	26.1	69	2.8	319	25
03/12/24 08:20	3	10	13	1	26.5	67	3.0	309	28
03/12/24 08:25	3	10	13	1	26.9	65	3.0	309	26
03/12/24 08:30	4	9	13	2	27.2	64	2.9	317	31
03/12/24 08:35	4	10	13	2	27.2	64	3.7	312	29
03/12/24 08:40	4	10	14	1	27.1	64	3.9	304	21
03/12/24 08:45	4	10	14	1	27.1	65	3.8	297	14
03/12/24 08:50	4	10	14	1	27.0	64	2.8	308	20
03/12/24 08:55	4	10	14	1	27.2	64	3.5	306	25
03/12/24 09:00	4	9	14	1	27.3	63	3.6	314	25
03/12/24 09:05	4	9	13	2	27.5	63	4.3	299	16
03/12/24 09:10	4	8	12	2	27.5	61	4.1	297	16
03/12/24 09:15	3	8	11	2	27.8	59	4.6	297	26
03/12/24 09:20	3	7	10	2	28.0	58	4.7	298	17
03/12/24 09:25	3	7	9	2	27.9	59	5.3	287	12
03/12/24 09:30	3	7	9	2	27.9	59	4.3	286	20
03/12/24 09:35	3	7	9	2	27.8	57	4.5	276	13
03/12/24 09:40	2	6	9	2	27.6	58	4.6	273	13
03/12/24 09:45	2	6	8	2	27.7	57	3.9	275	16
03/12/24 09:50	2	6	9	2	27.9	56	4.7	273	15
03/12/24 09:55	2	6	9	2	28.2	56	4.0	291	16
03/12/24 10:00	2	6	9	2	28.3	57	3.1	290	23
03/12/24 10:05	3	7	10	2	28.5	57	3.1	300	33
03/12/24 10:10	3	7	9	2	28.5	56	2.7	306	35
03/12/24 10:15	3	6	9	2	29.0	56	2.1	336	38
03/12/24 10:20	2	6	8	2	29.0	55	2.8	327	34
03/12/24 10:25	2	6	8	2	29.1	55	2.5	334	35
03/12/24 10:30	2	5	7	2	29.3	54	2.5	330	36
03/12/24 10:35	2	5	7	2	29.2	53	2.5	291	33
03/12/24 10:40	2	6	8	2	29.3	52	2.4	288	24
03/12/24 10:45	3	7	10	2	29.4	52	3.2	289	20
03/12/24 10:50	3	7	10	2	29.3	51	3.5	292	21
03/12/24 10:55	2	7	10	2	29.5	50	3.2	305	26
03/12/24 11:00	2	7	9	2	29.8	48	3.7	300	24
03/12/24 11:05	2	6	8	2	29.9	48	3.6	288	20
03/12/24 11:10	2	6	8	2	29.6	47	4.3	286	19
03/12/24 11:15	2	6	7	2	29.7	47	4.7	286	19
03/12/24 11:20	2	6	7	2	29.7	48	3.3	294	24
03/12/24 11:25	2	6	8	2	30.1	48	3.9	286	26
03/12/24 11:30	3	7	9	2	30.3	46	4.5	294	16
03/12/24 11:35	3	7	10	2	30.4	44	5.1	301	15
03/12/24 11:40	2	5	8	2	30.4	44	5.2	305	20
03/12/24 11:45	2	3	5	1	30.5	44	4.5	293	19
03/12/24 11:50	2	3	5	2	30.3	44	4.6	285	19
03/12/24 11:55	2	3	5	2	30.4	42	4.8	278	15
03/12/24 12:00	2	3	5	2	30.2	40	7.1	274	13
03/12/24 12:05	2	4	5	2	29.9	40	6.7	271	14
03/12/24 12:10	2	4	6	2	29.9	40	6.9	270	10
03/12/24 12:15	1	4	5	2	30.0	40	5.8	275	13
03/12/24 12:20	1	4	5	2	30.6	38	4.8	282	16
03/12/24 12:25	1	4	5	2	31.0	36	6.2	294	15
03/12/24 12:30	1	3	5	2	30.9	34	7.0	274	13
03/12/24 12:35	1	3	5	2	30.8	36	5.3	280	17
03/12/24 12:40	1	3	5	2	31.1	34	7.0	276	16
03/12/24 12:45	1	3	5	2	30.9	34	5.7	283	19
03/12/24 12:50	1	3	5	2	30.9	35	5.7	281	16
03/12/24 12:55	1	4	5	2	30.6	38	5.1	283	15
03/12/24 13:00	1	4	5	2	30.4	39	5.2	276	14
03/12/24 13:05	1	5	6	2	29.9	39	7.7	268	9
03/12/24 13:10	1	5	7	2	29.8	40	6.0	268	12
03/12/24 13:15	1	6	7	2	29.9	40	6.5	275	13
03/12/24 13:20	2	6	8	2	30.0	38	8.5	266	8
03/12/24 13:25	1	6	8	2	30.0	38	9.0	267	10
03/12/24 13:30	2	6	7	2	29.9	39	6.6	271	13
03/12/24 13:35	2	6	8	2	30.4	35	5.9	281	14
03/12/24 13:40	2	6	8	2	30.5	36	5.5	277	15
03/12/24 13:45	2	6	7	2	30.5	35	8.7	267	10
03/12/24 13:50	2	6	7	2	30.4	35	8.2	272	10
03/12/24 13:55	2	6	7	2	30.4	36	7.4	267	11
03/12/24 14:00	2	6	8	2	30.2	38	6.7	268	16
03/12/24 14:05	2	6	8	2	30.3	36	5.4	277	14
03/12/24 14:10	2	6	7	2	30.2	39	5.9	236	27
03/12/24 14:15	3	4	6	2	27.1	60	5.8	177	11
03/12/24 14:20	2	5	7	2	24.9	70	5.5	178	13
03/12/24 14:25	6	22	28	2	24.3	74	4.5	168	13
03/12/24 14:30	5	8	12	2	23.9	76	3.8	176	14
03/12/24 14:35	3	4	7	2	23.9	76	4.1	168	15
03/12/24 14:40	2	4	6	2	23.9	76	4.4	171	13
03/12/24 14:45	1	3	4	2	24.0	75	4.4	171	13
03/12/24 14:50	1	2	3	2	24.1	74	4.4	173	15
03/12/24 14:55	1	2	3	2	23.8	75	4.2	171	14
03/12/24 15:00	1	2	2	2	23.8	75	4.0	172	16

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
03/12/24 15:05	1	2	2	2	24.0	74	4.3	178	15
03/12/24 15:10	1	2	3	2	24.0	75	3.6	175	13
03/12/24 15:15	13	4	16	2	23.8	74	4.9	189	16
03/12/24 15:20	2	1	3	2	24.1	70	7.6	200	8
03/12/24 15:25	17	9	26	2	24.5	69	4.7	182	9
03/12/24 15:30	7	8	15	2	24.4	70	5.2	180	9
03/12/24 15:35	15	15	30	2	24.2	70	5.5	184	10
03/12/24 15:40	3	2	5	2	24.0	69	8.5	209	7
03/12/24 15:45	0	1	1	2	23.7	69	9.6	214	7
03/12/24 15:50	0	1	1	2	23.7	66	9.3	218	9
03/12/24 15:55	0	1	1	2	23.8	67	7.8	214	8
03/12/24 16:00	0	1	1	2	23.5	67	9.4	208	6
03/12/24 16:05	0	1	1	2	23.5	67	8.2	210	8
03/12/24 16:10	0	1	1	2	23.6	66	9.1	215	6
03/12/24 16:15	0	1	1	2	23.6	66	8.8	211	6
03/12/24 16:20	0	1	1	2	23.5	67	8.1	214	6
03/12/24 16:25	0	1	1	2	23.5	65	8.7	207	8
03/12/24 16:30	1	2	3	2	23.3	66	7.0	199	8
03/12/24 16:35	2	12	14	2	23.2	66	6.2	193	10
03/12/24 16:40	9	13	22	2	23.1	66	6.1	189	11
03/12/24 16:45	6	3	9	2	22.3	72	5.5	180	10
03/12/24 16:50	1	2	3	2	21.6	76	5.0	180	12
03/12/24 16:55	1	5	6	2	21.4	77	5.9	178	9
03/12/24 17:00	18	4	22	2	21.3	79	5.0	181	9
03/12/24 17:05	27	20	47	2	21.1	79	5.1	197	8
03/12/24 17:10	5	8	13	2	21.1	79	5.1	189	10
03/12/24 17:15				2	21.2	75	6.8	195	14
03/12/24 17:20	0	1	1	2	21.9	67	9.5	210	6
03/12/24 17:25	0	1	1	2	21.8	66	9.8	212	5
03/12/24 17:30	0	1	1	2	21.6	67	9.5	210	5
03/12/24 17:35	0	1	1	2	21.6	68	8.7	206	6
03/12/24 17:40	0	1	1	2	21.5	69	9.0	203	7
03/12/24 17:45	0	1	1	2	21.4	68	9.7	207	6
03/12/24 17:50	0	2	2	2	21.4	67	9.6	208	5
03/12/24 17:55	0	1	1	2	21.3	68	8.8	205	6
03/12/24 18:00	0	2	2	2	21.3	69	8.9	205	9
03/12/24 18:05	0	1	2	2	21.2	70	9.1	209	5
03/12/24 18:10	1	4	5	2	21.1	69	8.7	208	5
03/12/24 18:15	2	1	3	2	21.2	69	8.8	206	6
03/12/24 18:20	1	1	2	2	21.2	68	9.1	207	5
03/12/24 18:25	1	1	2	2	21.2	68	8.3	203	7
03/12/24 18:30	1	1	2	2	21.2	68	7.4	202	10
03/12/24 18:35	5	6	12	2	21.2	70	5.6	190	13
03/12/24 18:40	1	5	6	2	20.7	77	5.3	179	12
03/12/24 18:45	1	5	6	2	20.4	77	5.3	176	11
03/12/24 18:50	1	3	4	2	20.3	78	5.7	177	10
03/12/24 18:55	1	2	3	2	20.1	78	5.5	181	10
03/12/24 19:00	1	5	6	2	20.1	79	5.7	178	10
03/12/24 19:05	2	6	7	2	19.8	78	5.9	176	12
03/12/24 19:10	1	3	4	2	19.5	76	5.5	174	13
03/12/24 19:15	1	4	5	2	19.5	75	6.1	176	10
03/12/24 19:20	1	4	5	2	19.3	74	6.7	181	9
03/12/24 19:25	1	5	6	2	19.4	76	4.8	175	14
03/12/24 19:30	1	5	7	2	19.3	75	5.6	177	10
03/12/24 19:35	1	4	6	2	19.3	75	4.5	175	14
03/12/24 19:40	1	1	2	2	19.3	74	4.1	172	14
03/12/24 19:45	0	2	2	2	19.2	74	4.4	174	16
03/12/24 19:50	0	1	2	2	19.0	73	5.0	174	13
03/12/24 19:55	0	2	2	2	19.0	73	5.7	177	13
03/12/24 20:00	0	2	2	2	19.0	74	5.4	180	11
03/12/24 20:05	0	1	2	2	18.9	73	5.6	183	8
03/12/24 20:10	0	1	2	2	18.9	75	5.1	180	12
03/12/24 20:15	0	1	1	2	19.0	75	5.0	175	12
03/12/24 20:20	0	1	1	2	18.9	74	5.1	181	10
03/12/24 20:25	0	1	2	2	18.9	74	5.3	178	11
03/12/24 20:30	1	3	3	2	18.9	73	5.5	182	8
03/12/24 20:35	0	1	2	2	18.9	72	5.0	184	8
03/12/24 20:40	0	1	1	2	18.8	73	4.1	180	12
03/12/24 20:45	0	0	1	2	18.9	74	4.7	177	11
03/12/24 20:50	0	1	1	2	18.8	73	4.7	179	9
03/12/24 20:55	2	8	10	2	18.9	75	4.7	178	11
03/12/24 21:00	5	10	15	2	18.8	73	4.9	178	9
03/12/24 21:05	2	5	8	2	18.8	74	5.1	188	10
03/12/24 21:10	1	0	1	2	18.6	73	4.9	186	9
03/12/24 21:15	0	0	1	2	18.6	73	5.3	183	11
03/12/24 21:20	0	0	0	2	18.5	72	5.5	187	8
03/12/24 21:25	0	0	0	2	18.4	71	5.3	184	8
03/12/24 21:30	0	0	1	2	18.5	72	4.7	182	10
03/12/24 21:35	0	0	1	2	18.5	72	4.6	179	11
03/12/24 21:40	0	0	1	2	18.4	72	5.0	186	9
03/12/24 21:45	0	0	1	2	18.3	72	4.9	181	10
03/12/24 21:50	0	1	1	2	18.3	72	4.5	178	13
03/12/24 21:55	0	1	1	2	18.3	72	4.8	175	12
03/12/24 22:00	0	1	1	2	18.2	71	5.5	183	8

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
03/12/24 22:05	0	1	1	2	18.2	72	4.8	180	11
03/12/24 22:10	0	1	1	2	18.1	73	4.5	174	11
03/12/24 22:15	0	1	1	2	18.1	73	4.9	179	9
03/12/24 22:20	0	1	1	2	18.1	71	5.7	188	8
03/12/24 22:25	0	1	1	2	18.0	69	5.2	182	10
03/12/24 22:30	0	1	1	2	18.0	68	5.2	181	7
03/12/24 22:35	0	1	1	2	18.0	69	5.3	185	10
03/12/24 22:40	0	1	1	2	17.9	68	5.1	183	9
03/12/24 22:45	0	1	1	2	17.8	70	5.1	180	10
03/12/24 22:50	0	1	1	2	17.9	71	5.7	191	7
03/12/24 22:55	0	1	1	2	17.9	68	5.4	184	9
03/12/24 23:00	0	1	1	2	17.9	67	4.9	182	9
03/12/24 23:05	0	1	1	2	17.7	67	5.6	183	7
03/12/24 23:10	0	1	1	2	17.7	67	6.1	187	8
03/12/24 23:15	0	1	2	2	17.7	66	4.8	187	9
03/12/24 23:20	0	1	2	2	17.7	65	5.2	183	9
03/12/24 23:25	0	1	1	2	17.7	66	5.0	184	9
03/12/24 23:30	0	1	1	2	17.8	67	5.3	189	8
03/12/24 23:35	0	1	1	2	17.7	66	5.6	191	6
03/12/24 23:40	0	1	1	2	17.8	68	6.4	196	4
03/12/24 23:45	0	1	1	2	17.7	67	5.8	191	6
03/12/24 23:50	0	1	1		17.7	70	6.0	196	6
03/12/24 23:55	0	1	1		17.8	71	5.6	198	5
04/12/24 00:00	0	1	1	2	17.7	68	5.7	197	9
04/12/24 00:05	0	1	1	2	17.6	67	6.1	198	6
04/12/24 00:10	0	1	1	2	17.6	66	5.2	191	5
04/12/24 00:15	0	1	1	2	17.5	66	5.1	192	7
04/12/24 00:20	0	1	1	2	17.4	67	4.7	190	7
04/12/24 00:25	0	1	1	2	17.6	67	4.9	188	9
04/12/24 00:30	0	1	1	2	17.3	66	4.8	193	5
04/12/24 00:35	0	1	1	2	17.3	68	4.3	187	9
04/12/24 00:40	0	1	1	2	17.4	69	3.8	190	10
04/12/24 00:45	0	1	1	1	17.4	69	3.7	187	12
04/12/24 00:50	0	1	1	2	17.3	67	4.7	190	9
04/12/24 00:55	0	1	1	2	17.2	67	4.0	188	10
04/12/24 01:00	0	1	1	1	17.2	67	3.5	185	13
04/12/24 01:05					17.3	67	3.2	183	14
04/12/24 01:10					17.2	68	3.8	194	6
04/12/24 01:15					17.2	68	4.1	190	9
04/12/24 01:20					17.1	68	4.1	192	8
04/12/24 01:25					17.1	68	3.5	181	15
04/12/24 01:30					17.1	68	2.2	161	23
04/12/24 01:35					17.1	68	3.4	182	19
04/12/24 01:40					17.1	68	3.4	188	7
04/12/24 01:45					17.2	72	4.6	196	7
04/12/24 01:50					17.1	70	3.8	191	8
04/12/24 01:55					17.2	70	4.3	192	10
04/12/24 02:00					17.2	68	2.8	172	23
04/12/24 02:05	0	1	1	1	17.2	70	4.3	202	15
04/12/24 02:10	0	2	3	1	16.6	74	2.8	208	17
04/12/24 02:15	1	6	6	1	16.5	72	2.6	227	17
04/12/24 02:20	2	21	22	1	16.3	74	2.8	236	10
04/12/24 02:25	3	19	22	1	16.2	75	2.9	226	10
04/12/24 02:30	8	18	25	1	16.3	75	3.2	241	8
04/12/24 02:35	8	13	21	1	16.3	77	3.1	221	10
04/12/24 02:40	8	14	23	2	16.2	75	2.5	234	11
04/12/24 02:45	3	17	20	1	16.0	76	3.0	244	10
04/12/24 02:50	3	15	18	2	15.9	75	2.5	256	11
04/12/24 02:55	4	13	18	2	15.9	76	2.8	259	11
04/12/24 03:00	3	12	14	2	15.9	76	2.6	255	14
04/12/24 03:05	1	10	11	2	15.9	76	1.6	265	20
04/12/24 03:10	1	11	12	2	15.9	76	2.2	248	10
04/12/24 03:15	1	11	12	2	15.8	76	1.5	284	19
04/12/24 03:20	1	12	13	2	15.6	75	1.6	290	17
04/12/24 03:25	1	12	13	2	15.4	72	1.3	30	30
04/12/24 03:30	1	12	13	2	15.4	73	0.8	351	39
04/12/24 03:35	1	12	13	2	15.5	74	0.8	286	19
04/12/24 03:40	1	12	13	2	15.4	74	1.0	270	14
04/12/24 03:45	1	12	13	2	15.5	74	0.8	286	16
04/12/24 03:50	0	12	13	2	15.5	74	0.9	333	27
04/12/24 03:55	0	13	13	2	15.4	73	1.0	322	36
04/12/24 04:00	1	14	14	2	15.4	73	1.0	308	16
04/12/24 04:05	2	15	16	2	15.4	73	1.3	317	14
04/12/24 04:10	2	16	18	2	15.5	74	0.8	310	27
04/12/24 04:15	3	17	20	2	15.5	73	0.7	312	32
04/12/24 04:20	4	19	22	2	15.6	74	0.6	278	23
04/12/24 04:25	4	19	23	2	15.5	74	0.8	309	19
04/12/24 04:30	5	19	24	2	15.4	73	1.3	312	8
04/12/24 04:35	9	24	33	2	15.5	73	0.5	292	56
04/12/24 04:40	12	22	33	2	15.4	72	0.8	19	29
04/12/24 04:45	12	20	33	2	15.3	73	1.0	349	21
04/12/24 04:50	14	20	35	2	15.3	73	0.8	319	32
04/12/24 04:55	18	20	38	2	15.3	74	0.3	297	44
04/12/24 05:00	34	18	52	2	15.4	76	1.0	278	21

Station Pier Ambient Air Quality Monitoring
December 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 (°)
04/12/24 05:05	46	18	65	2	15.4	77	1.2	241	43
04/12/24 05:10	36	17	53	2	15.5	75	1.7	229	11
04/12/24 05:15	38	19	57	2	15.6	76	1.3	226	10
04/12/24 05:20	32	22	54	2	15.5	74	1.0	240	25
04/12/24 05:25	16	18	34	2	15.6	74	0.7	296	38
04/12/24 05:30	18	17	35	2	15.7	71	1.1	316	13
04/12/24 05:35	22	18	40	2	15.6	72	1.3	295	15
04/12/24 05:40	22	18	40	2	15.8	70	0.7	307	16
04/12/24 05:45	23	18	41	2	15.8	71	1.3	270	15
04/12/24 05:50	24	18	42	2	15.8	71	1.4	268	12
04/12/24 05:55	26	17	43	2	15.9	72	1.0	260	26
04/12/24 06:00	31	16	47	2	16.2	71	0.9	239	42
04/12/24 06:05	30	16	46	2	16.6	70	1.4	232	37
04/12/24 06:10	15	16	32	2	16.8	68	0.5	266	52
04/12/24 06:15	10	12	21	2	17.0	65	1.8	250	14
04/12/24 06:20	10	12	22	2	16.7	65	1.3	240	9
04/12/24 06:25	11	13	24	2	16.7	66	0.8	176	36
04/12/24 06:30	9	11	20	2	16.9	65	0.9	190	36
04/12/24 06:35	10	15	25	2	17.0	65	0.9	167	41
04/12/24 06:40	11	12	22	2	17.6	65	1.7	115	36
04/12/24 06:45	3	2	5	2	17.9	62	3.6	102	10
04/12/24 06:50	1	3	4	2	18.0	62	4.2	99	8
04/12/24 06:55	1	3	4	2	17.8	62	4.0	103	9
04/12/24 07:00	1	3	3	2	17.9	63	3.8	103	10
04/12/24 07:05	1	3	3	2	17.9	63	4.6	104	8
04/12/24 07:10	1	3	4	2	18.0	63	3.2	109	14
04/12/24 07:15	1	3	4	2	18.3	62	4.1	104	9
04/12/24 07:20	1	3	4	2	18.3	63	3.2	110	16
04/12/24 07:25	1	3	5	2	18.4	61	3.0	113	18
04/12/24 07:30	2	3	5	2	18.3	59	3.1	120	20
04/12/24 07:35	2	3	5	2	18.6	62	2.8	106	14
04/12/24 07:40	2	3	4	2	18.8	59	3.7	107	9
04/12/24 07:45	2	3	5	2	18.4	59	3.4	128	17
04/12/24 07:50	2	3	6	2	18.3	59	2.7	119	15
04/12/24 07:55	3	3	6	2	18.6	58	2.5	115	15
04/12/24 08:00	2	3	5	2	18.8	58	2.3	139	25
04/12/24 08:05	2	2	4	2	19.1	57	2.3	136	28
04/12/24 08:10	2	2	4	2	18.7	57	2.4	140	16
04/12/24 08:15	1	2	3	2	19.0	58	2.0	143	23
04/12/24 08:20	1	2	3	2	19.3	57	2.1	145	23
04/12/24 08:25	1	2	3	2	19.4	57	2.0	145	24
04/12/24 08:30	1	2	3	2	19.2	56	2.1	148	27
04/12/24 08:35	1	2	3	2	19.4	58	2.0	159	24
04/12/24 08:40	1	2	3	2	19.5	55	2.0	150	24
04/12/24 08:45	1	2	3	2	19.4	57	2.2	154	25
04/12/24 08:50	1	2	3	2	19.3	57	1.7	162	26
04/12/24 08:55	1	2	2	2	19.1	59	2.2	174	19
04/12/24 09:00	0	2	2	2	19.1	61	2.4	179	25
04/12/24 09:05	0	2	2	2	19.3	61	2.6	184	14
04/12/24 09:10	0	1	2	2	18.8	60	2.9	190	12
04/12/24 09:15	0	1	2	2	19.2	59	2.4	175	16
04/12/24 09:20	0	1	2	2	19.2	59	3.2	190	10
04/12/24 09:25	1	1	2	2	19.0	60	3.6	191	8
04/12/24 09:30	1	1	2	2	18.2	60	3.8	194	6
04/12/24 09:35	1	1	2	2	18.8	61	3.3	187	10
04/12/24 09:40	1	1	2	2	18.6	62	4.6	193	5
04/12/24 09:45	1	2	2	2	18.2	63	4.7	195	3
04/12/24 09:50	1	1	2	2	18.2	63	4.5	193	4
04/12/24 09:55	1	1	2	2	18.2	62	4.0	191	7
04/12/24 10:00	1	1	2	2	18.2	63	4.8	193	4
04/12/24 10:05	1	2	2	2	18.3	64	3.9	190	10
04/12/24 10:10	1	2	2	2	18.5	63	4.4	191	5
04/12/24 10:15	1	2	3	2	18.6	64	4.2	192	7
04/12/24 10:20	1	2	3	2	18.2	65	4.3	195	5
04/12/24 10:25	1	2	2	2	18.3	64	4.2	193	5
04/12/24 10:30	1	2	2	2	18.4	63	4.6	192	3
04/12/24 10:35	1	2	2	2	18.2	65	4.7	196	7
04/12/24 10:40	1	2	2	2	18.3	65	4.7	196	7
04/12/24 10:45	1	2	2	2	18.4	67	4.9	201	7
04/12/24 10:50	1	2	2	2	18.4	67	5.1	200	6
04/12/24 10:55	1	2	2	1	18.5	68	5.0	204	6
04/12/24 11:00	1	2	2	2	18.4	66	5.1	199	6
04/12/24 11:05	0	2	2	2	18.5	66	5.1	196	5
04/12/24 11:10	0	2	2	2	18.5	66	5.1	195	4
04/12/24 11:15	0	2	2	2	18.7	67	5.1	199	5
04/12/24 11:20	0	1	2	2	18.7	66	5.2	198	5
04/12/24 11:25	0	1	2	2	18.8	67	5.3	198	5
04/12/24 11:30	0	1	2	2	18.8	66	5.6	199	5
04/12/24 11:35	0	1	2	2	18.7	66	5.4	195	5
04/12/24 11:40	0	1	1	2	18.9	67	5.6	201	7
04/12/24 11:45	0	1	1	2	19.0	67	5.3	197	5
04/12/24 11:50	0	1	1	2	19.0	66	5.5	196	4
04/12/24 11:55	0	1	1	2	19.1	66	5.5	195	5
04/12/24 12:00	0	1	1	2	19.3	66	5.7	195	4

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
04/12/24 12:05	0	1	1	2	19.3	65	5.5	195	5
04/12/24 12:10	0	1	1	2	19.2	66	5.4	195	5
04/12/24 12:15	0	1	1	2	19.3	65	5.5	194	5
04/12/24 12:20	0	1	1	2	19.4	65	5.5	193	5
04/12/24 12:25	0	1	1	2	19.4	66	6.0	195	5
04/12/24 12:30	0	1	1	2	19.7	65	5.1	192	5
04/12/24 12:35	0	1	1	2	19.8	65	5.7	193	5
04/12/24 12:40	0	1	1	2	19.7	65	5.6	192	4
04/12/24 12:45	0	1	1	2	19.8	64	5.7	192	4
04/12/24 12:50	0	1	1	2	19.6	65	5.6	191	6
04/12/24 12:55	0	1	1	2	19.9	65	5.4	193	5
04/12/24 13:00	4	14	18	2	19.7	65	5.1	193	7
04/12/24 13:05	1	0	1	2	19.8	66	5.7	194	4
04/12/24 13:10	0	0	1	2	19.8	66	5.4	191	6
04/12/24 13:15	0	0	1	2	20.0	65	5.8	192	5
04/12/24 13:20	0	1	1	2	19.8	66	5.9	192	4
04/12/24 13:25	0	1	1	2	20.0	64	5.2	190	7
04/12/24 13:30	0	1	1	2	19.8	65	5.8	192	5
04/12/24 13:35	0	1	1	2	20.0	66	5.4	190	5
04/12/24 13:40	0	1	1	2	20.1	66	5.2	192	6
04/12/24 13:45	0	1	1	2	20.0	67	5.2	192	6
04/12/24 13:50	0	1	1	2	20.5	66	5.0	192	7
04/12/24 13:55	0	1	1	1	20.3	66	5.9	190	4
04/12/24 14:00	0	1	1	1	20.3	66	5.6	190	7
04/12/24 14:05	0	1	1	2	20.5	65	5.2	191	7
04/12/24 14:10	0	1	1	2	20.6	64	5.9	191	5
04/12/24 14:15	0	2	2	2	20.3	67	5.9	191	6
04/12/24 14:20	1	2	3	2	20.5	66	6.3	190	5
04/12/24 14:25	1	1	2	2	20.3	67	6.8	193	3
04/12/24 14:30	1	1	1	2	20.4	68	6.2	192	5
04/12/24 14:35	0	1	1	2	20.4	67	6.1	194	6
04/12/24 14:40	1	2	3	2	20.5	68	6.2	193	5
04/12/24 14:45	1	2	3	2	20.4	68	6.4	196	3
04/12/24 14:50	1	2	3	2	20.5	67	6.3	192	4
04/12/24 14:55	1	1	1	2	20.6	67	6.2	191	4
04/12/24 15:00	1	1	2	2	20.8	69	5.8	191	6
04/12/24 15:05	1	1	1	2	20.9	69	6.5	194	4
04/12/24 15:10	0	1	1	2	20.8	69	6.6	192	4
04/12/24 15:15	0	1	1	2	21.0	67	6.3	190	5
04/12/24 15:20	0	1	1	2	21.1	67	6.2	192	5
04/12/24 15:25	1	1	2	2	21.3	68	6.4	191	5
04/12/24 15:30	1	1	2	2	21.6	64	5.7	187	6
04/12/24 15:35	1	1	2	2	21.9	64	5.6	189	6
04/12/24 15:40	1	1	2	2	22.0	64	5.3	189	6
04/12/24 15:45	0	1	2	2	22.0	64	5.8	189	5
04/12/24 15:50	0	1	2	2	22.2	64	4.9	188	7
04/12/24 15:55	0	1	2	2	22.4	61	4.5	185	10
04/12/24 16:00	0	1	1	2	22.6	60	4.9	188	7
04/12/24 16:05	0	1	1	2	22.6	59	5.6	189	6
04/12/24 16:10	0	1	1	2	22.6	61	5.0	188	7
04/12/24 16:15	0	1	1	2	22.4	61	5.9	191	5
04/12/24 16:20	0	1	1	2	22.4	62	4.7	187	8
04/12/24 16:25	0	1	1	2	22.8	61	4.7	188	8
04/12/24 16:30	0	1	1	2	22.6	63	5.1	191	6
04/12/24 16:35	0	1	1	2	22.7	63	4.9	188	8
04/12/24 16:40	0	1	1	2	22.4	64	5.8	192	4
04/12/24 16:45	2	4	6	2	22.1	67	6.1	191	4
04/12/24 16:50	4	5	9	2	22.2	68	6.1	191	4
04/12/24 16:55	2	2	4	2	22.1	68	6.2	191	3
04/12/24 17:00	2	2	4	2	22.3	70	6.2	193	3
04/12/24 17:05	1	1	2	2	22.2	70	6.5	193	4
04/12/24 17:10	1	1	2	2	22.1	70	6.2	192	4
04/12/24 17:15	1	4	5	2	22.6	68	4.7	189	7
04/12/24 17:20	1	3	4	2	23.0	67	4.9	188	7
04/12/24 17:25	1	2	2	2	23.2	66	4.1	185	10
04/12/24 17:30	0	1	2	2	23.5	61	4.9	178	11
04/12/24 17:35	0	1	2	2	23.6	59	4.9	178	12
04/12/24 17:40	0	2	2	2	23.5	58	5.1	177	12
04/12/24 17:45	0	2	2	2	23.5	60	5.3	180	10
04/12/24 17:50	0	1	2	2	23.4	65	5.2	181	11
04/12/24 17:55	0	1	2	2	23.0	66	5.6	178	10
04/12/24 18:00	0	1	2	2	22.8	65	6.0	177	12
04/12/24 18:05	0	1	2	2	22.5	66	5.3	176	13
04/12/24 18:10	0	1	2	2	22.3	65	6.2	175	11
04/12/24 18:15	0	1	1	2	22.0	66	5.1	176	14
04/12/24 18:20	0	1	1	2	22.2	66	4.9	180	11
04/12/24 18:25	0	1	1	2	22.0	66	5.3	177	11
04/12/24 18:30	0	1	1	2	22.0	66	5.2	175	12
04/12/24 18:35	0	1	1	2	22.0	67	3.8	171	17
04/12/24 18:40	0	1	1	2	22.2	66	4.0	172	18
04/12/24 18:45	0	1	1	2	22.1	66	4.3	173	13
04/12/24 18:50	0	1	1	2	21.9	67	4.3	173	16
04/12/24 18:55	0	1	1	2	21.7	68	4.2	171	15
04/12/24 19:00	0	1	1	2	21.5	68	4.2	164	17

Station Pier Ambient Air Quality Monitoring
December 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 (°)
04/12/24 19:05	0	1	1	2	21.4	69	4.4	164	14
04/12/24 19:10	0	1	1	2	21.2	69	4.3	165	18
04/12/24 19:15	0	1	1	2	21.0	70	3.9	173	16
04/12/24 19:20	0	1	1	2	20.7	71	4.8	176	12
04/12/24 19:25	0	1	1	2	20.6	72	3.9	173	16
04/12/24 19:30	0	1	1	2	20.4	73	4.1	175	12
04/12/24 19:35	0	1	1	2	20.3	74	4.9	176	12
04/12/24 19:40	0	1	1	2	20.0	72	5.5	181	10
04/12/24 19:45	0	1	1	2	20.0	73	4.9	177	10
04/12/24 19:50	0	1	1	2	20.0	74	4.3	177	12
04/12/24 19:55	0	1	1	2	20.0	74	4.1	176	12
04/12/24 20:00	0	1	1	2	19.9	73	5.8	179	10
04/12/24 20:05	0	1	1	2	19.8	75	4.6	178	12
04/12/24 20:10	0	1	1	2	19.8	74	3.5	146	23
04/12/24 20:15	0	1	1	2	19.7	73	4.1	141	23
04/12/24 20:20	0	1	1	2	19.7	74	3.7	140	24
04/12/24 20:25	0	1	1	2	19.7	72	2.9	152	28
04/12/24 20:30	0	1	1	2	19.6	73	3.2	146	26
04/12/24 20:35	0	1	1	2	19.5	73	3.2	148	20
04/12/24 20:40	0	1	1	2	19.5	74	2.8	152	24
04/12/24 20:45	0	1	1	2	19.4	73	2.1	159	28
04/12/24 20:50	0	1	2	2	19.3	73	2.4	153	22
04/12/24 20:55	0	1	2	2	19.2	73	2.7	141	16
04/12/24 21:00	0	2	2	2	19.1	73	3.0	135	18
04/12/24 21:05	0	2	2	2	19.1	73	2.7	132	19
04/12/24 21:10	0	2	2	2	19.1	73	1.9	132	26
04/12/24 21:15	0	2	2	2	19.0	74	1.6	141	30
04/12/24 21:20	0	2	2	2	19.0	72	2.4	134	15
04/12/24 21:25	0	2	2	2	18.9	73	1.5	144	24
04/12/24 21:30	0	2	2	2	18.9	73	1.5	162	24
04/12/24 21:35	0	2	2	2	18.8	74	1.7	147	27
04/12/24 21:40	0	2	2	2	18.9	75	1.9	173	18
04/12/24 21:45	0	2	2	2	18.8	74	1.7	177	19
04/12/24 21:50	0	2	2	2	18.8	75	2.1	177	13
04/12/24 21:55	0	2	2	2	18.8	75	2.0	175	15
04/12/24 22:00	0	2	2	2	18.8	76	2.0	179	15
04/12/24 22:05	0	2	2	2	18.8	76	2.1	174	15
04/12/24 22:10	0	2	2	2	18.8	76	1.9	177	15
04/12/24 22:15	0	2	2	2	18.8	77	2.0	174	19
04/12/24 22:20	0	2	2	2	18.8	77	2.0	166	21
04/12/24 22:25	0	2	2	2	18.8	77	1.7	163	23
04/12/24 22:30	0	2	2	2	18.8	78	1.4	168	20
04/12/24 22:35	0	2	2	2	18.8	79	1.6	167	20
04/12/24 22:40	0	2	2	2	18.8	78	1.6	169	21
04/12/24 22:45	0	2	2	2	18.8	79	2.1	176	19
04/12/24 22:50	0	2	2	2	18.8	79	1.7	174	18
04/12/24 22:55	0	2	2	2	18.7	79	1.7	168	19
04/12/24 23:00	0	2	2	2	18.7	79	1.8	180	15
04/12/24 23:05	0	2	2	2	18.6	79	1.4	162	27
04/12/24 23:10	0	2	2	2	18.7	79	1.7	179	15
04/12/24 23:15	0	2	2	1	18.7	80	2.2	193	9
04/12/24 23:20	0	2	2	2	18.8	80	1.3	173	26
04/12/24 23:25	0	2	2	2	18.8	80	1.8	188	18
04/12/24 23:30	0	2	2	2	18.8	81	2.3	202	8
04/12/24 23:35	0	2	2	2	18.7	79	1.4	184	21
04/12/24 23:40	0	2	2	2	18.6	79	1.4	176	18
04/12/24 23:45	0	2	2	2	18.7	79	1.3	181	15
04/12/24 23:50	0	2	2		18.5	78	1.3	176	14
04/12/24 23:55	0	2	2		18.5	79	1.4	184	12
05/12/24 00:00	0	2	2	2	18.5	79	1.5	204	18
05/12/24 00:05	0	2	2	2	18.7	81	2.3	226	11
05/12/24 00:10	0	2	2	2	18.7	80	2.1	220	12
05/12/24 00:15	0	2	2	2	18.8	80	2.2	233	14
05/12/24 00:20	0	3	2	2	18.8	81	1.9	259	15
05/12/24 00:25	0	7	7	2	18.6	83	1.9	277	15
05/12/24 00:30	1	13	14	2	18.2	84	2.0	279	11
05/12/24 00:35	1	16	17	2	18.1	84	1.9	274	14
05/12/24 00:40	2	16	17	2	18.0	84	2.1	281	11
05/12/24 00:45	2	15	17	2	17.7	84	2.5	280	10
05/12/24 00:50	1	15	16	2	17.8	85	2.1	276	13
05/12/24 00:55	1	14	15	2	17.7	84	2.5	280	13
05/12/24 01:00	1	14	15	2	17.5	83	2.7	282	9
05/12/24 01:05					17.4	83	2.0	283	14
05/12/24 01:10					17.4	83	2.0	278	13
05/12/24 01:15					17.3	83	2.6	288	12
05/12/24 01:20					17.2	82	2.1	294	13
05/12/24 01:25					17.1	82	2.7	291	10
05/12/24 01:30					17.1	83	2.4	287	12
05/12/24 01:35					17.0	83	2.3	288	11
05/12/24 01:40					16.8	83	2.1	293	12
05/12/24 01:45					16.8	83	2.2	289	10
05/12/24 01:50					16.7	83	2.2	284	12
05/12/24 01:55					16.9	84	2.1	279	14
05/12/24 02:00					16.9	83	2.5	287	11

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
05/12/24 02:05	2	15	17	2	16.8	83	1.8	288	11
05/12/24 02:10	3	16	18	2	16.8	83	1.9	298	10
05/12/24 02:15	3	16	19	2	16.6	83	2.0	303	13
05/12/24 02:20	3	16	19	2	16.5	84	1.6	288	14
05/12/24 02:25	3	16	19	2	16.6	83	2.2	304	10
05/12/24 02:30	3	16	19	2	16.4	83	1.9	304	13
05/12/24 02:35	4	16	20	2	16.4	83	2.0	305	11
05/12/24 02:40	4	16	20	2	16.4	83	2.1	302	10
05/12/24 02:45	4	16	20	2	16.4	83	1.2	319	20
05/12/24 02:50	4	16	20	2	16.3	83	1.0	342	26
05/12/24 02:55	4	16	19	2	16.3	83	1.5	294	11
05/12/24 03:00	3	15	19	2	16.3	83	1.4	304	14
05/12/24 03:05	3	15	18	2	16.2	83	1.0	333	26
05/12/24 03:10	3	15	17	2	16.2	83	1.5	317	18
05/12/24 03:15	3	15	17	2	16.2	83	1.5	306	23
05/12/24 03:20	3	15	17	2	16.3	83	1.6	306	15
05/12/24 03:25	3	15	18	2	16.3	83	1.0	327	22
05/12/24 03:30	6	15	20	2	16.2	83	1.1	339	26
05/12/24 03:35	14	15	28	2	16.1	83	1.5	350	24
05/12/24 03:40	17	17	33	2	16.0	83	1.3	322	17
05/12/24 03:45	17	17	34	3	16.0	83	1.4	336	23
05/12/24 03:50	16	17	33	3	16.0	82	1.4	355	20
05/12/24 03:55	16	17	32	2	15.9	82	1.6	355	20
05/12/24 04:00	15	16	31	3	15.9	82	1.6	351	18
05/12/24 04:05	14	16	30	3	15.7	83	1.4	356	16
05/12/24 04:10	14	16	30	3	15.8	83	1.5	347	20
05/12/24 04:15	15	16	30	3	15.8	83	1.3	349	21
05/12/24 04:20	15	16	31	3	15.8	83	1.3	327	22
05/12/24 04:25	14	16	30	3	15.8	83	1.2	326	24
05/12/24 04:30	19	11	30	3	15.8	83	1.5	310	17
05/12/24 04:35	30	4	34	3	15.8	83	1.1	330	22
05/12/24 04:40	34	14	48	3	15.8	83	1.3	310	23
05/12/24 04:45	37	17	54	3	15.8	83	1.4	302	16
05/12/24 04:50	38	17	55	3	15.9	83	1.2	315	31
05/12/24 04:55	39	17	56	3	15.8	83	1.2	349	19
05/12/24 05:00	41	17	58	3	15.7	83	1.0	11	21
05/12/24 05:05	45	18	63	3	15.6	83	1.3	18	18
05/12/24 05:10	41	15	56	3	15.7	83	1.3	352	16
05/12/24 05:15	37	17	54	3	15.7	83	1.0	328	30
05/12/24 05:20	33	18	51	3	15.9	82	1.0	330	27
05/12/24 05:25	31	18	49	3	16.2	81	1.2	356	18
05/12/24 05:30	30	18	48	3	16.3	80	1.3	351	18
05/12/24 05:35	29	18	47	3	16.5	79	0.7	339	39
05/12/24 05:40	27	18	45	3	16.6	79	1.1	312	22
05/12/24 05:45	26	18	44	3	16.7	79	1.4	308	18
05/12/24 05:50	26	18	44	3	16.8	79	0.9	301	27
05/12/24 05:55	27	17	44	3	16.9	78	1.1	303	25
05/12/24 06:00	27	17	44	3	17.0	77	1.4	323	19
05/12/24 06:05	28	17	45	3	17.0	77	1.0	337	31
05/12/24 06:10	29	17	46	3	17.3	76	1.1	336	28
05/12/24 06:15	30	17	47	3	17.4	76	1.4	359	25
05/12/24 06:20	24	17	41	3	17.6	75	1.4	339	32
05/12/24 06:25	23	15	38	3	17.5	75	1.3	337	31
05/12/24 06:30	23	15	39	3	17.5	75	1.1	345	37
05/12/24 06:35	26	18	44	3	17.4	76	1.3	349	34
05/12/24 06:40	31	17	49	3	17.6	75	1.3	321	24
05/12/24 06:45	29	16	44	3	17.7	76	1.1	289	31
05/12/24 06:50	31	18	49	3	17.9	76	1.1	305	24
05/12/24 06:55	30	17	47	3	18.2	74	1.0	277	33
05/12/24 07:00	39	18	58	3	18.4	74	1.3	275	19
05/12/24 07:05	38	18	56	3	18.4	74	1.0	294	32
05/12/24 07:10	37	18	55	3	18.4	73	1.5	285	16
05/12/24 07:15	39	20	58	3	18.5	73	1.4	249	15
05/12/24 07:20	38	20	58	3	18.8	73	1.0	280	24
05/12/24 07:25	37	18	56	3	18.9	71	0.9	285	34
05/12/24 07:30	38	19	57	3	19.4	71	0.8	288	33
05/12/24 07:35	37	19	55	3	19.6	70	1.0	252	26
05/12/24 07:40	33	20	53	3	20.2	71	0.8	119	36
05/12/24 07:45	33	18	51	3	21.0	67	1.1	114	20
05/12/24 07:50	37	18	55	3	21.1	65	1.4	127	12
05/12/24 07:55	38	19	57	4	21.1	65	1.7	130	16
05/12/24 08:00	52	22	74	4	21.0	66	1.2	150	26
05/12/24 08:05	47	20	67	4	21.2	65	1.2	144	15
05/12/24 08:10	47	20	67	4	21.3	65	1.6	146	17
05/12/24 08:15	47	21	67	4	21.3	64	1.4	145	22
05/12/24 08:20	45	21	66	4	21.5	64	0.9	140	27
05/12/24 08:25	42	21	63	4	21.9	63	0.8	145	22
05/12/24 08:30	39	20	59	4	22.0	63	1.0	161	31
05/12/24 08:35	39	22	61	4	21.8	66	1.1	188	17
05/12/24 08:40	42	22	65	3	21.7	67	0.8	169	30
05/12/24 08:45	37	23	60	4	21.8	67	0.5	146	44
05/12/24 08:50	32	19	51	4	22.0	64	1.2	155	22
05/12/24 08:55	29	19	48	4	22.3	64	0.9	150	27
05/12/24 09:00	27	18	45	4	22.7	62	0.9	145	30

Station Pier Ambient Air Quality Monitoring
December 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 (°)
05/12/24 09:05	28	21	48	4	23.1	61	1.3	147	21
05/12/24 09:10	28	19	47	4	23.1	62	1.0	141	23
05/12/24 09:15	27	19	46	4	23.2	62	0.8	146	24
05/12/24 09:20	27	19	46	4	23.7	61	0.9	136	23
05/12/24 09:25	26	19	45	4	23.8	59	0.8	136	27
05/12/24 09:30	26	19	45	4	24.2	59	0.9	147	26
05/12/24 09:35	25	19	44	3	24.4	57	0.8	133	29
05/12/24 09:40	24	19	44	3	24.8	58	1.1	141	20
05/12/24 09:45	24	19	43	4	24.7	58	1.0	140	20
05/12/24 09:50	23	19	42	4	24.6	60	1.1	136	24
05/12/24 09:55	27	16	43	3	24.8	60	0.8	140	29
05/12/24 10:00	22	20	41	3	25.2	59	0.7	147	32
05/12/24 10:05	20	19	39	3	25.2	60	1.4	145	20
05/12/24 10:10	19	18	37	3	24.9	61	1.5	152	21
05/12/24 10:15	18	18	36	3	24.9	61	1.8	140	17
05/12/24 10:20	18	18	35	3	24.7	63	1.5	145	23
05/12/24 10:25	17	18	35	3	24.4	64	1.8	124	15
05/12/24 10:30	17	18	34	3	24.2	66	1.8	122	15
05/12/24 10:35	16	17	34	3	24.0	67	2.2	123	12
05/12/24 10:40	16	17	33	3	24.0	67	1.6	119	18
05/12/24 10:45	15	17	32	3	24.1	68	2.5	129	10
05/12/24 10:50	15	16	30	3	23.9	69	2.3	124	13
05/12/24 10:55	12	14	26	3	23.8	70	2.1	120	13
05/12/24 11:00	12	15	27	3	23.9	70	2.2	120	11
05/12/24 11:05	13	15	28	3	23.8	71	2.7	126	8
05/12/24 11:10	13	16	28	3	23.7	71	3.0	132	4
05/12/24 11:15	13	16	29	3	23.9	72	2.5	138	8
05/12/24 11:20	13	16	30	3	24.1	73	2.4	128	9
05/12/24 11:25	14	17	31	3	24.2	73	2.3	132	9
05/12/24 11:30	14	18	32	3	24.5	73	1.5	145	20
05/12/24 11:35	14	18	32	3	24.9	71	1.5	139	20
05/12/24 11:40	15	18	33	3	25.6	68	1.7	146	15
05/12/24 11:45	13	16	30	3	25.8	67	2.1	152	15
05/12/24 11:50	12	16	28	3	26.0	65	2.6	156	12
05/12/24 11:55	12	16	28	3	26.2	63	2.5	159	14
05/12/24 12:00	11	16	27	3	26.5	65	2.6	164	14
05/12/24 12:05	11	16	26	3	26.5	67	2.4	165	15
05/12/24 12:10	10	15	26	3	26.6	67	2.0	158	20
05/12/24 12:15	11	15	26	3	26.6	68	2.3	158	13
05/12/24 12:20	10	16	26	3	26.8	66	2.3	165	17
05/12/24 12:25	10	15	25	3	26.9	66	2.4	158	18
05/12/24 12:30	9	15	23	3	26.9	67	2.1	154	21
05/12/24 12:35	8	13	22	3	27.0	65	2.3	173	16
05/12/24 12:40	12	21	33	3	27.0	59	2.6	180	11
05/12/24 12:45	9	17	26	3	27.4	57	2.4	173	12
05/12/24 12:50	8	15	23	3	28.1	56	2.0	169	17
05/12/24 12:55	26	23	49	3	28.5	51	2.4	175	12
05/12/24 13:00	30	31	60	3	28.9	50	2.4	172	14
05/12/24 13:05	11	26	36	3	28.9	54	2.3	165	16
05/12/24 13:10	8	14	23	3	28.3	60	2.0	158	21
05/12/24 13:15	5	10	15	3	28.0	58	1.7	154	22
05/12/24 13:20	4	11	15	3	28.3	60	1.0	169	49
05/12/24 13:25	3	11	14	3	28.2	57	1.7	165	24
05/12/24 13:30	3	11	13	3	28.4	51	2.5	165	16
05/12/24 13:35	11	15	26	3	28.4	55	2.4	166	19
05/12/24 13:40	4	16	20	3	28.2	55	2.3	169	17
05/12/24 13:45	6	12	18	3	28.5	50	2.7	164	19
05/12/24 13:50	8	21	29	3	28.4	49	2.4	168	17
05/12/24 13:55	34	34	68	3	28.9	48	2.8	174	12
05/12/24 14:00	19	13	32	3	28.7	51	2.5	169	15
05/12/24 14:05	4	10	14	3	28.8	50	2.7	174	17
05/12/24 14:10	4	11	14	3	29.0	50	2.5	169	19
05/12/24 14:15	2	8	10	3	28.8	53	2.2	156	28
05/12/24 14:20	1	8	10	3	28.4	53	1.5	168	35
05/12/24 14:25	1	9	10	3	28.3	52	2.0	168	26
05/12/24 14:30	2	20	23	3	28.6	46	3.1	175	13
05/12/24 14:35	3	12	14	3	28.8	47	2.7	157	18
05/12/24 14:40	1	4	6	3	28.5	49	2.8	162	15
05/12/24 14:45	3	8	11	3	28.7	48	2.9	164	18
05/12/24 14:50	3	13	16	3	28.9	47	2.3	175	18
05/12/24 14:55	9	21	30	3	29.1	47	2.4	166	17
05/12/24 15:00	10	22	32	3	29.2	46	2.3	173	15
05/12/24 15:05	18	22	40	3	29.3	44	2.3	169	16
05/12/24 15:10	3	8	10	3	29.1	46	2.0	155	26
05/12/24 15:15	1	4	4	3	28.9	48	1.9	155	29
05/12/24 15:20	0	3	4	3	28.6	48	1.7	157	34
05/12/24 15:25	1	4	5	3	28.4	46	3.8	135	14
05/12/24 15:30	1	6	7	3	28.2	45	2.8	143	23
05/12/24 15:35	1	7	9	3	28.3	47	1.5	154	40
05/12/24 15:40	1	5	6	3	28.7	46	1.3	170	47
05/12/24 15:45	1	3	4	2	28.7	45	2.2	157	31
05/12/24 15:50	1	4	5	2	28.7	46	2.4	156	24
05/12/24 15:55	1	3	3	2	28.4	47	2.8	154	23
05/12/24 16:00	0	3	3	2	28.3	48	2.9	156	22

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
05/12/24 16:05	1	3	4	2	28.2	49	2.8	157	18
05/12/24 16:10	1	3	4	2	28.1	48	2.8	162	22
05/12/24 16:15	1	4	5	2	28.2	47	2.7	153	24
05/12/24 16:20	1	3	4	2	28.2	47	2.6	157	25
05/12/24 16:25	1	3	4	2	28.3	49	1.7	153	32
05/12/24 16:30	1	3	3	2	28.4	49	0.8	169	56
05/12/24 16:35	1	3	3	2	28.7	49	1.3	169	40
05/12/24 16:40	1	3	4	3	28.7	49	1.5	169	37
05/12/24 16:45	1	3	4	3	28.7	50	1.0	164	51
05/12/24 16:50	1	3	4	2	28.6	50	1.1	168	50
05/12/24 16:55	1	3	4	2	28.6	50	0.8	155	54
05/12/24 17:00	1	3	3	2	28.6	51	1.0	171	46
05/12/24 17:05	0	3	3	2	28.6	51	1.6	166	32
05/12/24 17:10	0	2	3	2	28.5	50	2.2	157	28
05/12/24 17:15	0	2	3	2	28.3	48	3.2	165	23
05/12/24 17:20	0	2	3	2	28.3	49	2.7	157	23
05/12/24 17:25	0	2	3	2	28.5	48	2.0	160	32
05/12/24 17:30	0	2	3	2	28.8	46	2.2	154	31
05/12/24 17:35	1	3	3	2	28.7	46	2.3	154	27
05/12/24 17:40	1	3	4	2	28.7	46	2.4	158	25
05/12/24 17:45	1	3	4	2	28.7	47	1.2	161	49
05/12/24 17:50	0	3	4	2	28.7	47	1.4	162	44
05/12/24 17:55	0	4	4	2	28.7	48	3.0	140	24
05/12/24 18:00	0	4	4	2	28.6	46	4.5	133	11
05/12/24 18:05	0	4	5	2	28.9	44	3.0	128	23
05/12/24 18:10	0	6	6	2	29.9	39	4.4	108	9
05/12/24 18:15	0	7	7	2	30.4	36	4.9	108	9
05/12/24 18:20	0	7	7	2	31.0	33	4.5	107	10
05/12/24 18:25	0	6	7	2	31.1	34	5.5	105	8
05/12/24 18:30	1	6	7	2	30.8	35	4.8	107	10
05/12/24 18:35	1	7	8	2	30.6	36	3.4	109	17
05/12/24 18:40	1	7	8	2	30.6	38	3.0	112	16
05/12/24 18:45	1	7	7	2	30.3	36	3.5	119	20
05/12/24 18:50	1	7	8	2	30.3	36	3.2	115	17
05/12/24 18:55	1	8	9	2	30.2	37	2.9	114	18
05/12/24 19:00	1	10	11	2	29.9	37	3.3	112	18
05/12/24 19:05	1	10	12	2	29.8	37	3.7	110	12
05/12/24 19:10	1	10	11	3	29.6	38	4.1	109	15
05/12/24 19:15	1	8	9	3	29.4	36	6.5	100	4
05/12/24 19:20	1	7	7	3	29.7	32	6.0	98	5
05/12/24 19:25	1	7	7	3	29.8	33	5.2	98	6
05/12/24 19:30	1	7	8	3	29.8	28	5.6	93	7
05/12/24 19:35	1	7	8	2	30.1	27	4.7	94	6
05/12/24 19:40	0	7	8	2	29.9	28	3.6	88	9
05/12/24 19:45	0	8	8	2	29.9	25	3.1	83	12
05/12/24 19:50	0	8	8	2	29.7	27	3.5	86	10
05/12/24 19:55	0	8	8	2	29.6	28	3.7	87	8
05/12/24 20:00	0	8	8	2	29.6	29	3.7	89	10
05/12/24 20:05	0	8	8	2	29.5	28	3.3	81	12
05/12/24 20:10	0	8	8	2	29.4	29	3.2	85	11
05/12/24 20:15	0	8	8	2	29.3	30	3.5	81	11
05/12/24 20:20	0	9	9	2	29.3	30	3.1	77	11
05/12/24 20:25	0	9	9	2	29.2	30	3.0	81	11
05/12/24 20:30	0	10	10	3	29.1	31	2.2	78	12
05/12/24 20:35	0	10	10	2	28.9	31	3.0	79	11
05/12/24 20:40	0	10	10	3	28.9	31	2.7	78	11
05/12/24 20:45	0	9	10	3	28.9	31	3.0	80	10
05/12/24 20:50	0	9	9	3	28.7	32	2.9	83	12
05/12/24 20:55	0	9	9	3	28.6	32	2.5	81	8
05/12/24 21:00	0	9	9	2	28.5	33	2.3	71	12
05/12/24 21:05	0	9	9	2	28.4	32	1.7	55	17
05/12/24 21:10	0	9	10	2	28.5	33	1.3	43	19
05/12/24 21:15	0	10	10	2	28.3	34	0.5	360	33
05/12/24 21:20	0	11	11	2	28.0	34	0.6	347	24
05/12/24 21:25	0	11	11	2	27.8	34	1.0	49	12
05/12/24 21:30	0	11	11	2	28.0	33	1.4	67	9
05/12/24 21:35	0	12	12	2	28.0	33	1.1	79	11
05/12/24 21:40	0	12	12	3	28.0	33	0.6	67	19
05/12/24 21:45	0	13	13	3	27.8	36	0.2	276	54
05/12/24 21:50	0	14	14	3	27.3	42	0.5	232	35
05/12/24 21:55	0	14	14	3	26.5	50	0.8	277	35
05/12/24 22:00	0	14	15	3	26.3	41	0.7	22	26
05/12/24 22:05	0	15	15	3	27.2	36	0.9	40	23
05/12/24 22:10	0	15	16	2	27.4	35	0.8	65	17
05/12/24 22:15	0	15	16	2	27.5	35	1.2	63	18
05/12/24 22:20	0	15	15	2	27.8	34	1.3	56	13
05/12/24 22:25	0	15	15	2	27.7	34	1.5	53	13
05/12/24 22:30	0	15	15	2	27.7	34	1.6	54	10
05/12/24 22:35	0	15	15	2	27.7	34	2.2	62	10
05/12/24 22:40	0	14	14	3	27.7	34	1.5	59	14
05/12/24 22:45	0	14	14	3	27.6	35	0.9	2	23
05/12/24 22:50	0	14	14	3	27.0	36	0.8	329	17
05/12/24 22:55	0	15	15	3	26.9	36	0.9	298	12
05/12/24 23:00	0	23	23	3	26.9	37	1.1	305	14

Station Pier Ambient Air Quality Monitoring
December 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 (°)
05/12/24 23:05	2	37	38	3	26.8	39	0.6	312	36
05/12/24 23:10	2	28	29	2	26.4	39	0.9	337	23
05/12/24 23:15	1	23	24	2	26.4	39	1.1	345	17
05/12/24 23:20	1	22	23	2	26.4	39	1.1	357	22
05/12/24 23:25	1	25	26	3	26.3	39	1.4	341	20
05/12/24 23:30	1	23	24	3	26.3	39	1.3	329	25
05/12/24 23:35	0	20	20	3	26.4	39	1.3	348	23
05/12/24 23:40	0	16	17	3	26.2	40	1.1	345	21
05/12/24 23:45	0	13	13	3	26.0	41	1.0	24	27
05/12/24 23:50	0	14	14		25.9	41	1.2	27	13
05/12/24 23:55	0	14	14		25.8	41	1.0	29	19
06/12/24 00:00	0	14	14	3	25.6	42	0.8	17	31
06/12/24 00:05	0	13	14	2	25.5	42	0.6	350	33
06/12/24 00:10	0	12	13	2	25.4	43	0.3	314	57
06/12/24 00:15	0	12	12	2	25.3	44	0.8	331	38
06/12/24 00:20	0	11	11	2	25.5	43	0.9	316	21
06/12/24 00:25	0	10	10	2	25.7	42	1.2	321	20
06/12/24 00:30	0	10	10	2	25.8	42	0.9	6	25
06/12/24 00:35	0	11	11	2	25.6	42	1.0	7	25
06/12/24 00:40	0	12	13	2	25.4	43	1.1	357	29
06/12/24 00:45	0	11	12	2	25.5	43	1.5	356	17
06/12/24 00:50	0	9	10	2	25.6	42	1.8	353	16
06/12/24 00:55	0	8	8	2	25.8	41	1.2	343	23
06/12/24 01:00	0	8	9	2	25.7	42	1.1	347	25
06/12/24 01:05					25.6	43	0.9	328	30
06/12/24 01:10					25.4	45	0.5	298	40
06/12/24 01:15					25.3	44	0.8	324	36
06/12/24 01:20					25.0	44	1.0	310	14
06/12/24 01:25					24.8	45	0.9	321	19
06/12/24 01:30					24.7	46	0.6	328	35
06/12/24 01:35					24.5	48	0.9	293	24
06/12/24 01:40					24.5	47	1.0	333	20
06/12/24 01:45					24.4	46	1.5	345	15
06/12/24 01:50					24.3	46	1.2	353	20
06/12/24 01:55					24.1	47	0.5	28	31
06/12/24 02:00					23.8	48	0.4	358	21
06/12/24 02:05	0	22	22	2	23.8	48	0.5	317	21
06/12/24 02:10	0	21	22	2	23.8	48	0.9	328	31
06/12/24 02:15	0	22	22	2	23.8	48	0.9	8	12
06/12/24 02:20	0	23	23	2	23.6	49	1.2	360	20
06/12/24 02:25	0	24	24	2	23.6	49	1.3	5	7
06/12/24 02:30	0	24	24	2	23.5	49	1.0	358	14
06/12/24 02:35	0	25	25	2	23.5	50	0.9	356	15
06/12/24 02:40	0	27	28	2	23.4	50	1.0	349	11
06/12/24 02:45	1	33	33	2	23.4	50	0.9	13	9
06/12/24 02:50	1	33	35	2	23.1	52	0.8	35	7
06/12/24 02:55	1	26	27	2	22.8	52	1.3	51	11
06/12/24 03:00	1	16	18	2	22.8	53	1.3	55	10
06/12/24 03:05	1	14	14	2	22.8	53	1.3	39	9
06/12/24 03:10	1	13	14	2	22.7	53	0.9	33	12
06/12/24 03:15	1	14	15	2	22.6	53	0.8	46	14
06/12/24 03:20	0	14	15	2	22.7	53	1.4	53	11
06/12/24 03:25	0	14	14	2	22.7	53	1.6	53	12
06/12/24 03:30	0	13	13	2	22.9	53	1.5	39	11
06/12/24 03:35	0	12	13	2	22.7	53	1.4	31	14
06/12/24 03:40	0	12	12	2	22.6	53	1.0	22	23
06/12/24 03:45	0	13	13	2	22.7	53	0.8	42	19
06/12/24 03:50	0	13	13	2	22.8	53	1.0	37	18
06/12/24 03:55	0	13	13	2	22.9	52	1.1	43	11
06/12/24 04:00	0	13	13	2	23.1	52	1.3	51	12
06/12/24 04:05	1	13	14	2	23.1	52	1.0	45	15
06/12/24 04:10	1	13	14	2	23.0	52	0.9	35	15
06/12/24 04:15	1	13	14	2	23.0	52	1.9	48	11
06/12/24 04:20	5	29	34	2	22.9	52	1.7	54	11
06/12/24 04:25	32	65	97	2	23.1	52	1.3	58	11
06/12/24 04:30	1	13	14	2	23.0	53	0.9	42	13
06/12/24 04:35	0	14	15	2	22.8	53	0.8	37	16
06/12/24 04:40	0	13	13	2	22.7	53	0.9	51	15
06/12/24 04:45	0	13	14	2	22.6	54	1.1	62	14
06/12/24 04:50	1	14	15	2	22.6	54	1.3	59	12
06/12/24 04:55	1	15	16	2	22.6	54	1.6	50	11
06/12/24 05:00	1	16	17	2	22.7	53	1.2	53	10
06/12/24 05:05	1	17	18	2	22.8	53	1.5	63	9
06/12/24 05:10	1	18	18	2	22.9	53	1.0	73	11
06/12/24 05:15	1	19	20	2	22.9	53	1.2	57	14
06/12/24 05:20	1	20	21	2	23.0	53	1.5	64	12
06/12/24 05:25	1	21	23	2	23.1	53	1.6	54	14
06/12/24 05:30	2	23	24	2	23.3	52	2.0	54	13
06/12/24 05:35	2	24	26	2	23.3	52	1.6	56	15
06/12/24 05:40	2	24	26	2	23.4	52	1.6	57	12
06/12/24 05:45	3	25	28	2	23.7	51	1.8	57	11
06/12/24 05:50	5	28	32	2	24.0	51	2.2	48	14
06/12/24 05:55	6	34	40	2	24.4	50	2.5	38	13
06/12/24 06:00	7	30	38	2	25.4	47	2.9	32	13

Station Pier Ambient Air Quality Monitoring
December 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 (°)
06/12/24 06:05	12	25	36	2	25.9	46	2.4	33	15
06/12/24 06:10	26	29	55	2	26.5	46	1.8	40	17
06/12/24 06:15	10	29	40	2	26.8	45	1.0	41	46
06/12/24 06:20	7	24	32	2	26.8	45	1.4	89	10
06/12/24 06:25	7	22	29	2	26.8	45	1.3	78	17
06/12/24 06:30	7	21	28	2	26.7	45	1.1	80	13
06/12/24 06:35	7	21	28	2	26.8	45	0.9	63	25
06/12/24 06:40	8	23	30	2	26.8	45	0.4	358	43
06/12/24 06:45	8	24	32	2	27.0	47	0.5	210	24
06/12/24 06:50	8	24	32	2	26.8	46	0.8	18	55
06/12/24 06:55	9	24	33	2	27.3	45	1.7	44	21
06/12/24 07:00	8	24	32	2	27.6	46	1.6	351	31
06/12/24 07:05	7	21	29	2	27.6	46	0.9	29	55
06/12/24 07:10	8	21	29	2	27.8	47	0.7	148	45
06/12/24 07:15	8	22	31	2	27.8	49	0.7	135	56
06/12/24 07:20	8	22	30	2	27.5	50	1.3	130	20
06/12/24 07:25	8	17	24	2	27.5	51	0.7	139	33
06/12/24 07:30	7	15	22	2	27.4	54	1.0	195	18
06/12/24 07:35	7	15	22	2	26.9	55	0.6	172	33
06/12/24 07:40	6	15	22	1	27.9	47	0.7	94	19
06/12/24 07:45	6	16	22	1	28.7	46	0.7	122	26
06/12/24 07:50	6	17	23	1	28.8	50	1.3	195	11
06/12/24 07:55	6	17	24	1	27.8	51	1.6	191	12
06/12/24 08:00	6	18	25	1	27.3	60	2.0	194	8
06/12/24 08:05	6	19	25	1	26.8	56	1.5	171	15
06/12/24 08:10	7	19	26	1	27.3	57	1.6	186	9
06/12/24 08:15	7	20	27	1	27.2	57	1.1	169	20
06/12/24 08:20	7	21	27	1	27.6	53	1.3	173	19
06/12/24 08:25	7	21	28	1	27.4	56	1.2	168	16
06/12/24 08:30	7	21	28	1	27.9	51	1.2	148	22
06/12/24 08:35	7	21	27	1	28.4	49	1.4	137	17
06/12/24 08:40	6	20	27	1	28.8	49	1.3	132	20
06/12/24 08:45	7	20	26	1	29.2	49	1.5	129	13
06/12/24 08:50	6	19	25	1	29.4	49	1.3	127	21
06/12/24 08:55	6	18	24	1	29.6	52	1.6	152	22
06/12/24 09:00	6	17	23	1	28.3	61	1.7	156	27
06/12/24 09:05	5	16	22	1	27.1	64	2.6	182	14
06/12/24 09:10	6	22	28	1	26.2	65	2.2	184	10
06/12/24 09:15	10	37	47	1	26.2	62	3.5	187	4
06/12/24 09:20	16	33	50	2	26.0	65	3.2	194	11
06/12/24 09:25	14	27	40	2	25.3	66	3.3	214	4
06/12/24 09:30	9	24	32	2	25.3	67	2.7	205	6
06/12/24 09:35	8	24	32	2	25.3	62	2.7	190	5
06/12/24 09:40	6	19	26	2	26.0	47	3.1	186	3
06/12/24 09:45	6	25	31	2	26.1	51	2.7	188	3
06/12/24 09:50	8	29	37	2	25.8	52	2.4	186	4
06/12/24 09:55	9	25	34	2	26.3	52	1.2	171	22
06/12/24 10:00	9	25	35	2	26.7	53	1.0	155	25
06/12/24 10:05	9	24	33	2	26.8	55	1.1	173	21
06/12/24 10:10	9	24	32	2	26.3	53	3.3	196	6
06/12/24 10:15	8	23	31	2	25.2	61	3.3	190	6
06/12/24 10:20	8	22	30	2	25.6	57	2.2	179	17
06/12/24 10:25	8	21	29	2	26.1	58	1.7	162	20
06/12/24 10:30	7	21	28	2	26.4	58	1.1	166	26
06/12/24 10:35	7	20	27	2	26.5	58	1.3	138	17
06/12/24 10:40	6	20	26	2	26.4	56	1.6	131	17
06/12/24 10:45	6	19	25	2	26.3	58	2.1	123	16
06/12/24 10:50	6	19	24	2	26.3	59	1.8	135	23
06/12/24 10:55	5	18	23	2	26.4	61	2.3	105	14
06/12/24 11:00	5	18	23	2	26.3	64	2.3	105	16
06/12/24 11:05	5	17	22	2	26.1	65	1.4	151	33
06/12/24 11:10	4	16	21	2	25.9	67	1.9	181	24
06/12/24 11:15	5	16	21	2	25.4	70	2.8	196	9
06/12/24 11:20	5	16	21	2	25.3	68	3.6	195	6
06/12/24 11:25	5	16	21	1	25.1	66	4.1	194	6
06/12/24 11:30	4	14	18	1	25.0	64	4.8	197	6
06/12/24 11:35	3	8	12	2	25.1	61	5.3	191	5
06/12/24 11:40	3	4	6	1	25.1	61	5.4	191	5
06/12/24 11:45	2	3	5	1	24.8	59	5.6	190	4
06/12/24 11:50	2	3	4	1	24.9	57	5.2	190	6
06/12/24 11:55	1	3	4	1	25.0	57	5.5	190	7
06/12/24 12:00	1	3	4	2	24.7	58	6.8	190	5
06/12/24 12:05	1	3	3	1	24.3	62	6.4	193	4
06/12/24 12:10	1	3	4	1	24.0	67	5.9	196	4
06/12/24 12:15	1	3	4	1	23.7	67	6.4	196	4
06/12/24 12:20	1	3	4	1	23.5	66	7.0	195	4
06/12/24 12:25	0	3	3	1	23.5	66	6.8	193	5
06/12/24 12:30	0	3	3	1	23.3	66	7.3	196	3
06/12/24 12:35	0	3	3	1	23.3	67	6.8	191	4
06/12/24 12:40	0	3	3	1	23.5	65	6.3	190	4
06/12/24 12:45	0	3	4	1	23.3	64	6.9	196	3
06/12/24 12:50	1	3	4	1	23.0	66	7.7	196	3
06/12/24 12:55	0	3	3	1	22.9	69	7.4	201	3
06/12/24 13:00	1	11	12	1	22.6	70	7.8	203	5

Station Pier Ambient Air Quality Monitoring
December 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 (°)
06/12/24 13:05	1	5	6	1	22.6	71	8.2	208	4
06/12/24 13:10	1	4	5	1	22.7	70	7.5	205	6
06/12/24 13:15	1	3	4	1	23.1	63	7.7	208	5
06/12/24 13:20	1	4	5	1	23.3	66	7.7	212	4
06/12/24 13:25	1	2	2	1	22.9	67	6.7	205	5
06/12/24 13:30	1	2	3	1	23.0	69	6.8	209	5
06/12/24 13:35	1	3	3	1	22.8	71	6.0	207	5
06/12/24 13:40	0	3	3	1	22.7	70	5.7	206	5
06/12/24 13:45	0	2	3	1	22.9	70	5.7	208	5
06/12/24 13:50	0	2	3	1	23.0	71	6.2	210	5
06/12/24 13:55	0	2	2	1	22.8	71	6.4	214	4
06/12/24 14:00	0	2	2	1	22.8	70	5.5	208	6
06/12/24 14:05	0	2	2	1	23.1	70	5.5	203	5
06/12/24 14:10	0	2	2	1	23.0	70	6.1	206	5
06/12/24 14:15	0	2	2	1	22.8	73	6.1	207	5
06/12/24 14:20	0	2	2	1	22.6	75	6.5	206	4
06/12/24 14:25	0	2	2	1	22.5	76	7.4	206	4
06/12/24 14:30	0	2	2	1	22.4	75	6.6	206	5
06/12/24 14:35	0	2	2	1	22.4	74	6.3	201	5
06/12/24 14:40	0	1	1	1	22.4	73	6.7	202	4
06/12/24 14:45	0	1	1	1	22.6	72	6.4	203	6
06/12/24 14:50	0	1	1	1	22.8	72	6.1	200	5
06/12/24 14:55	0	1	1	1	22.9	72	6.6	210	5
06/12/24 15:00	0	2	3	2	23.1	71	6.7	212	3
06/12/24 15:05	0	2	3	1	23.0	71	6.4	209	4
06/12/24 15:10	0	2	2	1	23.1	70	6.3	205	4
06/12/24 15:15	0	1	2	1	23.2	71	5.5	205	5
06/12/24 15:20	0	1	2	1	23.1	71	5.2	198	4
06/12/24 15:25	0	1	2	1	23.2	72	4.9	195	5
06/12/24 15:30	0	1	2	1	23.1	72	5.3	192	4
06/12/24 15:35	0	2	2	1	23.1	72	5.5	194	5
06/12/24 15:40	0	2	2	1	23.0	71	5.8	194	4
06/12/24 15:45	0	2	2	1	23.0	71	5.2	192	4
06/12/24 15:50	0	2	2	1	22.9	70	4.9	196	4
06/12/24 15:55	0	2	2	1	22.8	73	3.7	193	5
06/12/24 16:00	0	3	3	1	22.9	75	3.0	189	6
06/12/24 16:05	0	3	3	1	22.7	74	2.1	184	12
06/12/24 16:10	0	2	2	1	22.7	74	2.2	200	11
06/12/24 16:15	0	2	2	1	22.5	73	2.5	205	5
06/12/24 16:20	0	2	2	1	22.6	73	2.0	210	8
06/12/24 16:25	0	2	2	1	22.5	73	1.6	224	10
06/12/24 16:30	0	2	2	1	22.5	73	2.6	217	5
06/12/24 16:35	0	2	2	1	22.5	74	2.3	213	7
06/12/24 16:40	0	2	2	1	22.5	74	1.8	215	10
06/12/24 16:45	0	2	2	1	22.4	75	0.6	148	39
06/12/24 16:50	0	2	2	1	22.4	74	0.7	91	19
06/12/24 16:55	0	6	6	1	22.2	74	0.9	71	14
06/12/24 17:00	0	16	16	1	22.3	76	2.9	86	8
06/12/24 17:05	0	8	8	1	22.2	78	2.8	76	11
06/12/24 17:10	0	5	5	1	22.1	79	2.1	90	14
06/12/24 17:15	0	4	5	1	22.0	80	0.3	128	52
06/12/24 17:20	0	4	4	1	21.9	79	0.5	160	36
06/12/24 17:25	0	4	4	1	21.9	79	0.8	105	20
06/12/24 17:30	0	5	5	1	22.1	79	1.6	104	10
06/12/24 17:35	0	5	5	1	22.2	80	1.3	107	12
06/12/24 17:40	0	5	5	1	22.1	79	0.7	113	18
06/12/24 17:45	0	5	6	1	22.1	80	0.6	143	28
06/12/24 17:50	0	6	6	1	22.2	79	1.0	125	12
06/12/24 17:55	0	6	6	1	22.2	78	0.8	116	23
06/12/24 18:00	0	6	7	1	22.2	78	0.5	27	37
06/12/24 18:05	0	7	7	1	22.3	79	1.0	25	14
06/12/24 18:10	0	8	8	1	22.4	79	1.6	36	10
06/12/24 18:15	1	11	12	1	22.5	77	1.9	36	14
06/12/24 18:20	1	20	21	1	22.8	76	1.5	21	15
06/12/24 18:25	1	22	23	1	22.9	76	1.1	18	24
06/12/24 18:30	1	22	23	1	23.0	72	1.3	45	15
06/12/24 18:35	1	21	22	1	23.1	70	1.3	21	21
06/12/24 18:40	1	21	22	1	23.2	69	1.4	33	17
06/12/24 18:45	1	20	21	1	23.3	70	1.6	51	17
06/12/24 18:50	1	19	20	1	23.2	70	2.1	47	16
06/12/24 18:55	1	19	20	1	23.0	70	2.5	45	11
06/12/24 19:00	1	18	19	1	23.0	71	2.3	51	11
06/12/24 19:05	1	18	19	1	22.8	72	2.9	47	12
06/12/24 19:10	1	18	19	1	22.8	72	2.5	53	14
06/12/24 19:15	1	18	18	1	22.7	73	2.2	52	16
06/12/24 19:20	1	18	18	1	22.6	74	1.9	60	15
06/12/24 19:25	0	17	18	1	22.4	75	2.4	55	12
06/12/24 19:30	0	17	17	1	22.3	75	1.4	43	12
06/12/24 19:35	0	16	17	1	22.3	76	1.0	51	23
06/12/24 19:40	0	16	16	1	22.3	75	0.9	60	22
06/12/24 19:45	0	15	15	1	22.4	71	2.1	47	19
06/12/24 19:50	0	14	14	1	22.5	71	2.3	58	18
06/12/24 19:55	0	13	13	1	22.4	72	2.5	59	19
06/12/24 20:00	0	11	11	1	22.3	72	1.3	35	26

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
06/12/24 20:05	0	11	11	1	22.4	70	1.6	354	35
06/12/24 20:10	0	10	10	1	22.6	69	1.2	28	47
06/12/24 20:15	0	9	9	1	22.6	71	1.4	63	28
06/12/24 20:20	0	8	8	1	22.5	71	2.5	62	16
06/12/24 20:25	0	8	8	1	22.6	72	1.4	55	15
06/12/24 20:30	0	8	8	1	22.5	73	1.5	40	14
06/12/24 20:35	0	8	8	1	22.4	73	1.5	64	21
06/12/24 20:40	1	8	9	1	22.4	72	1.2	77	20
06/12/24 20:45	0	8	8	1	22.6	71	1.4	62	22
06/12/24 20:50	0	7	7	1	22.5	71	1.3	52	27
06/12/24 20:55	0	7	7	1	22.5	71	1.6	38	19
06/12/24 21:00	0	6	6	1	22.5	71	2.4	39	10
06/12/24 21:05	0	6	6	1	22.4	71	2.3	46	13
06/12/24 21:10	0	6	6	1	22.5	71	3.0	40	12
06/12/24 21:15	0	6	6	1	22.4	70	2.4	40	16
06/12/24 21:20	0	6	6	1	22.4	71	0.6	5	49
06/12/24 21:25	0	6	6	1	22.5	72	0.7	261	16
06/12/24 21:30	0	7	7	1	22.5	73	1.1	278	14
06/12/24 21:35	0	8	8	1	22.3	74	1.1	268	10
06/12/24 21:40	0	11	11	1	22.2	75	1.1	259	10
06/12/24 21:45	0	13	13	1	22.2	76	1.1	280	12
06/12/24 21:50	0	15	15	1	22.1	76	1.1	296	11
06/12/24 21:55	0	15	15	1	22.0	76	0.8	291	18
06/12/24 22:00	0	14	14	0	21.9	76	0.9	295	17
06/12/24 22:05	0	14	15	1	21.9	77	1.4	286	13
06/12/24 22:10	0	14	15	1	21.9	77	1.0	298	17
06/12/24 22:15	0	15	15	1	21.9	76	1.1	293	15
06/12/24 22:20	0	15	15	1	21.9	76	1.3	289	14
06/12/24 22:25	0	14	15	1	22.0	76	1.6	293	11
06/12/24 22:30	0	14	14	1	21.9	75	1.5	306	14
06/12/24 22:35	0	15	15	1	22.0	75	1.1	302	13
06/12/24 22:40	1	19	20	1	22.0	76	0.5	352	41
06/12/24 22:45	1	28	29	1	22.1	76	0.6	29	37
06/12/24 22:50	1	24	25	1	22.0	76	0.8	24	19
06/12/24 22:55	1	24	25	1	22.0	76	1.2	354	22
06/12/24 23:00	1	23	24	1	22.0	76	1.2	344	28
06/12/24 23:05	1	22	23	1	22.0	77	0.8	298	28
06/12/24 23:10	1	21	22	1	21.9	77	0.7	320	36
06/12/24 23:15	1	22	23	1	22.0	76	1.0	326	27
06/12/24 23:20	1	21	22	1	21.9	76	1.3	311	27
06/12/24 23:25	1	20	21	1	21.9	76	1.2	310	22
06/12/24 23:30	0	18	18	1	22.0	76	1.3	321	22
06/12/24 23:35	0	13	13	1	21.9	75	1.5	330	18
06/12/24 23:40	0	12	12	1	21.9	75	1.4	349	17
06/12/24 23:45	0	12	12	1	21.9	75	1.3	352	16
06/12/24 23:50	0	13	13		22.0	75	1.0	328	26
06/12/24 23:55	0	13	13		22.0	75	1.2	329	24
07/12/24 00:00	1	14	15	1	21.9	75	0.9	335	24
07/12/24 00:05	0	16	17	1	22.0	75	1.1	344	22
07/12/24 00:10	0	20	20	1	22.0	75	1.2	333	20
07/12/24 00:15	0	23	23	1	22.1	76	0.9	291	27
07/12/24 00:20	0	26	26	2	21.9	76	1.3	281	12
07/12/24 00:25	0	25	26	2	21.9	75	1.4	307	16
07/12/24 00:30	0	25	26	1	21.9	74	0.7	334	32
07/12/24 00:35	0	26	27	1	21.9	75	0.9	253	24
07/12/24 00:40	1	27	28	1	22.0	76	1.7	258	5
07/12/24 00:45	4	36	40	1	22.0	77	1.0	245	9
07/12/24 00:50	18	34	52	1	22.0	77	0.7	306	14
07/12/24 00:55	6	34	41	1	21.9	76	1.2	286	21
07/12/24 01:00	2	23	26	1	21.9	75	2.7	257	6
07/12/24 01:05					22.0	76	3.3	252	7
07/12/24 01:10					22.0	76	1.8	266	13
07/12/24 01:15					21.9	74	1.1	334	20
07/12/24 01:20					21.9	74	0.7	24	30
07/12/24 01:25					21.8	74	0.4	57	29
07/12/24 01:30					21.9	74	0.6	72	14
07/12/24 01:35					21.9	74	0.2	72	71
07/12/24 01:40					21.9	74	0.8	295	12
07/12/24 01:45					21.9	74	1.1	319	18
07/12/24 01:50					21.9	74	0.6	281	39
07/12/24 01:55					22.0	75	1.1	276	15
07/12/24 02:00					22.0	75	1.3	295	10
07/12/24 02:05	4	32	36	2	22.0	76	1.4	262	14
07/12/24 02:10	6	32	38	2	22.0	77	1.9	265	16
07/12/24 02:15	6	32	38	2	21.9	76	1.2	288	20
07/12/24 02:20	4	29	33	2	21.9	76	2.3	262	7
07/12/24 02:25	1	22	24	1	22.0	76	1.8	301	11
07/12/24 02:30	1	22	23	1	21.8	76	1.2	271	20
07/12/24 02:35	1	23	23	1	21.8	77	0.9	275	18
07/12/24 02:40	1	22	23	2	21.8	76	1.4	312	19
07/12/24 02:45	0	22	23	2	21.7	76	0.5	294	46
07/12/24 02:50	1	23	23	1	21.8	76	1.1	259	17
07/12/24 02:55	0	23	23	1	21.8	77	0.8	281	21
07/12/24 03:00	0	23	23	2	21.8	78	1.8	256	5

Station Pier Ambient Air Quality Monitoring

December 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 (°)
07/12/24 03:05	0	23	23	2	21.8	79	1.7	266	9
07/12/24 03:10	0	22	23	2	21.8	79	1.5	276	13
07/12/24 03:15	0	23	23	2	21.7	78	1.9	267	13
07/12/24 03:20	0	23	23	2	21.7	77	1.8	275	15
07/12/24 03:25	0	23	23	1	21.7	78	1.4	278	15
07/12/24 03:30	0	23	23	1	21.7	78	1.0	278	19
07/12/24 03:35	0	23	23	1	21.6	77	1.4	269	12
07/12/24 03:40	0	23	24	1	21.7	77	1.8	256	5
07/12/24 03:45	0	24	24	1	21.6	77	1.2	267	18
07/12/24 03:50	0	23	24	2	21.7	76	0.6	315	28
07/12/24 03:55	1	24	24	1	21.7	75	0.7	24	12
07/12/24 04:00	1	24	25	1	21.8	75	0.6	341	11
07/12/24 04:05	1	24	25	2	21.7	75	0.5	326	21
07/12/24 04:10	1	23	24	1	21.7	75	0.4	259	34
07/12/24 04:15	1	23	24	1	21.6	76	0.2	290	52
07/12/24 04:20	1	23	23	1	21.7	75	0.4	32	15
07/12/24 04:25	0	23	23	1	21.8	76	0.3	239	44
07/12/24 04:30	0	22	23	2	21.9	76	0.6	258	15
07/12/24 04:35	0	22	23	1	21.9	76	0.9	262	10
07/12/24 04:40	1	22	23	2	21.8	76	1.0	257	6
07/12/24 04:45	1	24	24	2	21.8	77	1.2	239	4
07/12/24 04:50	4	27	31	2	21.9	79	2.8	219	6
07/12/24 04:55	3	23	26	2	21.8	79	3.5	235	5
07/12/24 05:00	1	23	23	2	21.7	76	3.3	250	10
07/12/24 05:05	1	23	24	2	21.5	78	1.9	272	11
07/12/24 05:10	3	23	26	2	21.1	81	2.0	295	10
07/12/24 05:15	4	23	27	2	20.7	83	1.3	332	29
07/12/24 05:20	6	26	31	2	20.6	86	1.8	1	21
07/12/24 05:25	6	26	31	2	20.3	88	1.7	23	12
07/12/24 05:30	6	26	32	2	20.1	90	1.8	31	8
07/12/24 05:35	15	21	37	2	20.2	91	1.9	29	11
07/12/24 05:40	9	27	35	2	20.2	91	1.2	6	22
07/12/24 05:45	8	27	35	2	20.2	92	1.6	31	14
07/12/24 05:50	9	27	36	2	20.3	92	1.1	14	30
07/12/24 05:55	9	26	36	2	20.4	91	1.6	45	12
07/12/24 06:00	9	26	34	2	20.4	92	1.0	37	15
07/12/24 06:05	9	25	34	2	20.6	92	1.3	31	12
07/12/24 06:10	10	24	34	1	20.7	91	0.9	30	20
07/12/24 06:15	12	24	35	2	21.1	90	0.8	6	33
07/12/24 06:20	17	21	38	2	21.7	87	1.0	30	33
07/12/24 06:25	8	21	28	2	22.0	83	1.1	342	32
07/12/24 06:30	13	11	24	2	22.0	82	0.9	1	41
07/12/24 06:35	6	15	21	2	22.1	83	1.6	5	28
07/12/24 06:40	6	15	21	2	22.5	81	2.0	10	20
07/12/24 06:45	7	16	23	2	22.6	81	2.0	15	22
07/12/24 06:50	7	15	22	1	22.8	81	1.5	8	34
07/12/24 06:55	7	14	21	2	23.1	81	2.9	360	22
07/12/24 07:00	7	13	19	2	23.1	81	2.3	1	21
07/12/24 07:05	6	15	21	2	23.2	82	2.5	9	20
07/12/24 07:10	8	15	23	2	22.9	84	2.4	1	20
07/12/24 07:15	4	13	17	2	22.5	87	1.8	2	28
07/12/24 07:20	4	13	17	2	22.4	87	1.5	339	35
07/12/24 07:25	6	20	26	2	22.5	88	1.9	352	24
07/12/24 07:30	8	17	25	2	22.5	88	2.5	357	21
07/12/24 07:35	6	18	24	2	22.6	87	2.1	336	27
07/12/24 07:40	6	18	24	2	22.7	87	1.7	338	37
07/12/24 07:45	6	21	28	2	22.8	87	1.8	345	27
07/12/24 07:50	7	22	30	2	23.1	86	1.3	317	32
07/12/24 07:55	6	20	27	2	23.2	84	1.8	306	30
07/12/24 08:00	6	20	25	2	23.4	82	1.7	306	21
07/12/24 08:05	5	19	24	2	23.9	79	2.1	310	25
07/12/24 08:10	4	16	20	2	24.2	75	2.9	300	21
07/12/24 08:15	3	9	12	2	24.5	72	3.2	298	22
07/12/24 08:20	2	9	12	2	24.6	72	2.4	310	23
07/12/24 08:25	2	10	12	2	24.7	72	2.0	318	30
07/12/24 08:30	2	10	12	2	24.8	72	2.1	307	28
07/12/24 08:35	2	10	12	2	25.0	70	3.1	304	23
07/12/24 08:40	3	10	12	2	25.2	69	3.9	298	16
07/12/24 08:45	2	10	12	2	25.4	68	3.3	294	16
07/12/24 08:50	2	9	12	1	25.4	69	2.1	304	23
07/12/24 08:55	2	9	11	1	25.5	68	2.6	295	18
07/12/24 09:00	2	9	11	1	25.5	68	2.3	297	19
07/12/24 09:05	2	9	11	2	25.6	68	3.0	290	12
07/12/24 09:10	3	10	13	2	25.7	69	2.4	286	14
07/12/24 09:15	3	10	13	2	25.8	67	2.6	285	12
07/12/24 09:20	3	10	13	2	26.0	67	1.7	275	20
07/12/24 09:25	3	11	13	2	26.2	67	1.5	287	19
07/12/24 09:30	3	10	12	2	26.2	66	2.4	281	19
07/12/24 09:35	2	9	12	2	26.5	65	6.2	249	8
07/12/24 09:40	2	8	11	2	26.6	65	5.2	241	10
07/12/24 09:45	2	8	10	1	26.6	65	4.1	251	10
07/12/24 09:50	2	8	10	2	26.4	64	5.7	242	7
07/12/24 09:55	2	7	9	2	26.5	64	5.8	241	6
07/12/24 10:00	2	6	8	2	26.6	63	6.7	240	6

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
07/12/24 10:05	16	10	26	2	26.6	65	4.0	231	37
07/12/24 10:10	105	23	128	2	25.2	73	5.1	179	8
07/12/24 10:15	100	28	128	3	24.3	77	4.5	186	10
07/12/24 10:20	34	27	60	2	23.9	79	3.9	181	12
07/12/24 10:25	47	21	69	2	23.9	79	3.3	183	10
07/12/24 10:30	18	11	29	2	24.2	79	2.0	174	16
07/12/24 10:35	23	17	40	2	24.7	76	2.0	170	19
07/12/24 10:40	1	5	6	2	25.0	74	1.5	151	22
07/12/24 10:45	2	5	7	2	25.2	74	1.0	141	32
07/12/24 10:50	1	4	6	2	25.3	74	1.2	153	26
07/12/24 10:55	1	4	5	2	25.4	73	2.2	169	18
07/12/24 11:00	1	5	6	2	25.2	73	2.4	178	14
07/12/24 11:05	4	21	24	2	24.7	75	2.6	180	13
07/12/24 11:10	7	19	25	2	24.6	77	2.8	178	10
07/12/24 11:15	186	34	220	2	24.5	75	3.4	184	11
07/12/24 11:20	224	54	278	3	24.7	75	4.0	183	10
07/12/24 11:25	110	62	172	4	24.7	74	3.5	182	9
07/12/24 11:30	124	18	142	4	24.7	75	4.1	195	11
07/12/24 11:35	105	46	152	4	24.7	75	2.9	183	13
07/12/24 11:40	35	26	62	4	25.2	74	2.6	187	15
07/12/24 11:45	37	18	56	4	25.3	73	3.6	195	11
07/12/24 11:50	195	4	199	4	25.4	73	3.9	187	13
07/12/24 11:55	158	55	212	4	25.7	72	4.0	180	10
07/12/24 12:00	158	49	207	5	25.8	71	3.8	182	11
07/12/24 12:05	25	21	46	5	25.5	73	5.3	203	8
07/12/24 12:10	7	7	14	5	25.1	76	6.3	206	7
07/12/24 12:15	16	16	32	4	24.9	76	6.4	201	6
07/12/24 12:20				4	24.9	76	5.1	198	10
07/12/24 12:25	39	26	64	4	24.4	78	6.4	200	8
07/12/24 12:30	55	16	70	4	24.3	77	7.4	201	7
07/12/24 12:35	59	19	78	4	24.4	78	6.7	201	9
07/12/24 12:40	37	17	53	4	24.5	79	6.3	200	8
07/12/24 12:45	27	10	38	4	24.5	78	5.8	200	7
07/12/24 12:50	17	10	27	3	25.0	76	5.3	199	11
07/12/24 12:55	3	5	8	3	25.2	75	7.3	212	6
07/12/24 13:00	1	2	3	3	24.7	78	7.7	218	4
07/12/24 13:05	0	2	3	3	24.5	79	8.3	213	5
07/12/24 13:10	1	2	2	3	24.6	79	8.1	212	5
07/12/24 13:15	1	2	3	3	24.5	80	8.0	213	4
07/12/24 13:20	1	2	2	3	24.4	79	7.4	211	5
07/12/24 13:25	1	3	3	3	24.6	78	6.8	208	7
07/12/24 13:30	1	11	12	2	24.8	77	7.1	206	7
07/12/24 13:35	5	11	16	2	24.9	77	7.1	207	7
07/12/24 13:40	35	12	47	3	24.7	78	7.6	203	6
07/12/24 13:45	42	1	44	2	24.5	79	7.2	204	6
07/12/24 13:50	18	10	27	2	24.8	77	7.5	202	7
07/12/24 13:55	12	14	26	3	25.0	75	7.4	204	6
07/12/24 14:00	62	35	97	3	25.0	75	5.8	201	8
07/12/24 14:05	37	21	59	3	24.9	77	5.6	198	9
07/12/24 14:10	92	39	131	3	25.1	75	4.0	192	14
07/12/24 14:15	191	37	229	3	25.5	72	3.6	191	13
07/12/24 14:20	72	18	90	3	25.5	72	4.8	197	13
07/12/24 14:25	14	10	23	4	25.6	71	5.5	205	10
07/12/24 14:30	38	17	55	4	25.6	70	7.1	205	9
07/12/24 14:35	31	21	52	4	25.5	70	6.3	200	9
07/12/24 14:40	113	40	153	4	25.1	74	4.8	199	10
07/12/24 14:45	35	14	49	4	24.8	75	6.0	199	7
07/12/24 14:50	38	26	64	4	24.9	74	6.3	199	9
07/12/24 14:55	126	21	146	4	24.9	74	6.2	198	10
07/12/24 15:00	43	7	50	4	25.1	72	6.6	200	7
07/12/24 15:05	146	33	180	4	25.2	72	5.8	198	9
07/12/24 15:10	118	35	153	4	25.4	71	5.9	199	12
07/12/24 15:15	122	14	136	5	25.2	72	6.6	201	8
07/12/24 15:20	61	21	82	5	25.1	71	7.6	203	8
07/12/24 15:25	55	19	74	4	25.1	72	7.0	202	8
07/12/24 15:30	40	43	83	4	25.2	71	7.6	203	7
07/12/24 15:35	24	3	27	4	25.2	71	7.9	203	6
07/12/24 15:40	105	55	160	4	25.2	70	7.1	203	8
07/12/24 15:45	121	30	151	4	25.2	70	7.4	201	9
07/12/24 15:50	94	25	119	5	25.1	71	8.0	201	7
07/12/24 15:55	144	13	157	5	24.9	72	7.4	201	8
07/12/24 16:00	439	22	461	5	24.9	71	6.3	193	14
07/12/24 16:05	456	105	561	9	25.7	67	6.7	184	12
07/12/24 16:10	41	17	59	10	25.2	72	7.2	190	5
07/12/24 16:15	1	8	9	8	25.2	71	5.5	185	9
07/12/24 16:20	3	9	12	8	25.7	70	4.6	185	12
07/12/24 16:25	1	5	6	7	25.5	69	6.5	190	7
07/12/24 16:30	2	6	8	6	25.2	72	6.1	189	6
07/12/24 16:35	1	3	4	5	25.0	73	4.1	180	11
07/12/24 16:40	1	2	3	4	24.4	75	4.3	177	14
07/12/24 16:45	1	4	5	4	24.2	73	6.4	185	8
07/12/24 16:50	1	8	10	4	24.1	74	5.5	184	9
07/12/24 16:55	4	22	26	3	24.2	76	4.1	177	12
07/12/24 17:00	4	8	11	3	24.0	76	4.3	175	11

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
07/12/24 17:05	1	4	4	3	23.9	76	2.9	161	29
07/12/24 17:10	1	4	5	3	23.8	76	4.1	156	22
07/12/24 17:15	0	2	3	3	23.2	77	3.6	157	25
07/12/24 17:20	1	4	4	3	23.2	78	3.7	160	26
07/12/24 17:25	0	2	2	3	22.8	79	3.8	156	24
07/12/24 17:30	1	3	4	3	22.7	79	4.2	173	15
07/12/24 17:35	1	1	2	3	22.6	79	4.6	170	16
07/12/24 17:40	1	2	3	3	22.6	79	4.9	174	14
07/12/24 17:45	1	2	2	3	22.3	80	4.1	169	17
07/12/24 17:50	0	1	2	3	22.3	80	4.9	173	15
07/12/24 17:55	0	1	1	2	21.8	82	5.9	179	10
07/12/24 18:00	0	1	2	2	21.7	83	5.1	175	12
07/12/24 18:05	0	1	1	2	21.7	83	5.0	172	15
07/12/24 18:10	0	1	1	3	21.5	83	6.5	176	9
07/12/24 18:15	0	1	2	2	21.3	85	6.3	177	9
07/12/24 18:20	0	2	2	2	21.4	84	5.9	183	9
07/12/24 18:25	0	2	2	2	21.3	83	6.8	179	8
07/12/24 18:30	0	1	2	2	21.4	84	6.0	180	9
07/12/24 18:35	0	2	2	2	21.7	82	6.6	187	8
07/12/24 18:40	0	1	2	2	22.0	81	7.4	189	6
07/12/24 18:45	0	2	2	2	21.9	82	8.5	201	9
07/12/24 18:50	2	4	5	2	22.0	78	10.3	212	7
07/12/24 18:55	1	1	2	2	21.9	78	10.3	208	6
07/12/24 19:00	0	1	1	2	21.7	77	10.4	217	6
07/12/24 19:05	0	1	1	2	21.5	77	10.2	219	5
07/12/24 19:10	0	1	1	2	21.4	77	9.5	221	5
07/12/24 19:15	0	1	1	2	21.4	76	10.6	216	5
07/12/24 19:20	0	1	1	2	21.2	76	10.1	216	5
07/12/24 19:25	0	1	1	2	21.3	77	9.6	216	5
07/12/24 19:30	0	1	1	2	21.2	77	10.5	217	5
07/12/24 19:35	0	1	1	2	21.3	78	9.6	217	5
07/12/24 19:40	0	1	1	2	21.1	78	10.2	219	5
07/12/24 19:45	0	1	1	2	20.9	78	11.0	220	5
07/12/24 19:50	0	1	1	2	20.9	78	10.5	222	5
07/12/24 19:55	0	1	1	1	20.8	77	10.2	221	6
07/12/24 20:00	0	1	1	2	20.8	77	10.2	222	4
07/12/24 20:05	0	1	1	2	20.6	77	9.5	226	6
07/12/24 20:10	0	1	1	2	20.5	77	8.9	229	6
07/12/24 20:15	0	1	1	2	20.5	76	8.3	228	8
07/12/24 20:20	0	1	2	2	20.5	76	10.4	224	5
07/12/24 20:25	0	1	2	1	20.4	76	10.2	227	7
07/12/24 20:30	0	1	1	1	20.3	75	10.2	233	4
07/12/24 20:35	0	2	2	1	20.0	76	10.8	224	7
07/12/24 20:40	0	2	2	1	20.0	78	10.5	225	6
07/12/24 20:45	1	3	3	1	19.7	76	9.8	230	7
07/12/24 20:50	1	3	4	1	19.6	76	9.4	233	6
07/12/24 20:55	0	3	3	1	19.5	76	10.7	226	6
07/12/24 21:00	0	2	2	1	19.4	75	11.1	227	5
07/12/24 21:05	0	1	2	1	19.3	74	10.5	230	6
07/12/24 21:10	0	1	2	1	19.3	75	9.5	233	7
07/12/24 21:15	0	1	1	2	19.1	73	11.0	229	6
07/12/24 21:20	0	1	1	2	19.1	67	10.9	236	7
07/12/24 21:25	0	2	2	2	19.0	65	11.1	238	7
07/12/24 21:30	0	2	3	2	19.0	65	10.9	236	7
07/12/24 21:35	1	3	3	2	18.8	64	9.8	244	7
07/12/24 21:40	1	3	4	2	18.6	65	9.9	247	7
07/12/24 21:45	1	4	4	2	18.5	66	8.8	246	7
07/12/24 21:50	1	4	5	2	18.4	66	8.2	239	8
07/12/24 21:55	1	4	5	2	18.2	68	7.6	247	6
07/12/24 22:00	1	4	5	2	18.2	69	7.8	247	6
07/12/24 22:05	1	4	5	2	18.1	69	7.0	246	8
07/12/24 22:10	1	4	5	2	18.1	69	8.0	239	11
07/12/24 22:15	1	4	5	2	18.1	70	7.0	245	7
07/12/24 22:20	1	5	6	2	18.0	68	6.7	244	9
07/12/24 22:25	1	5	6	2	17.9	69	5.8	244	10
07/12/24 22:30	1	6	7	2	17.9	69	5.3	245	10
07/12/24 22:35	1	6	7	2	17.8	70	4.6	255	8
07/12/24 22:40	1	7	8	2	17.8	70	4.7	257	13
07/12/24 22:45	1	7	8	2	17.7	67	3.7	246	14
07/12/24 22:50	1	8	9	2	17.7	68	3.3	257	13
07/12/24 22:55	1	9	10	2	17.6	68	2.9	239	16
07/12/24 23:00	2	10	12	2	17.5	67	3.0	250	16
07/12/24 23:05	2	11	13	2	17.5	67	2.7	242	14
07/12/24 23:10	2	12	14	2	17.5	67	2.5	243	12
07/12/24 23:15	2	13	16	2	17.4	67	2.8	241	12
07/12/24 23:20	3	15	19	2	17.4	68	3.3	248	13
07/12/24 23:25	3	10	13	2	17.6	68	3.3	250	14
07/12/24 23:30	3	7	10	2	17.4	68	4.0	241	9
07/12/24 23:35	2	7	10	2	17.4	67	3.7	241	9
07/12/24 23:40	2	8	10	2	17.4	68	3.5	239	8
07/12/24 23:45	2	8	10	2	17.5	69	3.0	239	13
07/12/24 23:50	2	9	10		17.5	69	3.7	235	7
07/12/24 23:55	2	8	10		17.5	68	4.1	246	10
08/12/24 00:00	1	8	10	2	17.4	70	4.2	231	7

Station Pier Ambient Air Quality Monitoring

December 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 (°)
08/12/24 00:05	1	9	10	2	17.4	69	4.0	248	13
08/12/24 00:10	2	9	10	3	17.4	70	4.2	259	8
08/12/24 00:15	1	8	10	3	17.4	71	4.4	251	9
08/12/24 00:20	3	15	18	3	17.3	71	4.8	249	9
08/12/24 00:25	3	10	13	3	17.4	71	4.6	247	9
08/12/24 00:30	2	7	10	3	17.1	70	4.7	241	8
08/12/24 00:35	2	7	9	3	17.2	72	4.8	240	10
08/12/24 00:40	2	8	10	3	17.2	72	4.6	249	9
08/12/24 00:45	2	7	9	3	17.2	73	4.7	253	9
08/12/24 00:50	2	7	8	3	17.2	73	5.0	246	10
08/12/24 00:55	2	7	9	2	17.1	74	5.1	254	8
08/12/24 01:00	1	5	7	2	17.0	74	5.5	254	10
08/12/24 01:05					16.8	75	5.2	239	9
08/12/24 01:10					16.8	75	5.7	242	6
08/12/24 01:15					16.8	75	5.6	242	9
08/12/24 01:20					16.8	76	5.4	243	8
08/12/24 01:25					16.7	76	5.2	240	8
08/12/24 01:30					16.8	77	5.7	251	7
08/12/24 01:35					16.7	76	6.3	254	8
08/12/24 01:40					16.6	76	6.5	253	6
08/12/24 01:45					16.7	77	6.5	258	7
08/12/24 01:50					16.6	76	7.0	252	8
08/12/24 01:55					16.6	76	6.6	247	8
08/12/24 02:00					16.5	75	6.6	250	8
08/12/24 02:05	2	8	9	2	16.5	76	6.8	249	7
08/12/24 02:10	2	5	7	2	16.5	78	5.9	251	6
08/12/24 02:15	1	4	6	2	16.5	77	5.5	250	8
08/12/24 02:20	1	3	4	2	16.3	78	5.7	254	7
08/12/24 02:25	1	2	3	2	16.3	78	4.6	260	10
08/12/24 02:30	1	2	3	2	16.3	76	6.8	255	9
08/12/24 02:35	1	4	5	2	16.3	76	5.6	246	9
08/12/24 02:40	1	11	12	2	16.1	76	5.4	243	9
08/12/24 02:45	2	10	12	2	16.1	76	5.1	239	11
08/12/24 02:50	2	9	11	2	16.1	77	4.3	247	13
08/12/24 02:55	2	10	12	2	16.0	76	5.3	241	9
08/12/24 03:00	2	9	12	2	16.0	76	5.4	248	9
08/12/24 03:05	3	10	13	3	15.9	75	4.8	253	6
08/12/24 03:10	3	10	13	2	15.8	76	3.6	263	13
08/12/24 03:15	2	7	10	2	15.9	78	3.5	263	15
08/12/24 03:20	2	2	4	2	15.7	78	2.9	268	17
08/12/24 03:25	1	0	2	3	15.7	78	2.8	275	16
08/12/24 03:30	1	1	2	2	15.6	79	3.2	267	17
08/12/24 03:35	1	1	2	2	15.7	78	3.3	266	11
08/12/24 03:40	1	1	2	2	15.7	78	2.8	271	13
08/12/24 03:45	1	2	3	2	15.7	77	2.3	273	18
08/12/24 03:50	1	3	4	2	15.8	77	2.1	278	18
08/12/24 03:55	1	4	4	2	15.6	76	2.3	283	15
08/12/24 04:00	0	4	4	2	15.4	76	2.3	278	14
08/12/24 04:05	0	4	4	2	15.4	76	2.3	279	20
08/12/24 04:10	0	4	5	2	15.4	77	2.2	282	15
08/12/24 04:15	0	5	5	2	15.4	77	2.4	279	17
08/12/24 04:20	0	5	5	2	15.4	77	2.6	270	17
08/12/24 04:25	0	5	5	2	15.4	77	4.1	249	10
08/12/24 04:30	0	5	5	2	15.5	78	3.7	255	13
08/12/24 04:35	0	5	5	2	15.5	77	3.4	263	11
08/12/24 04:40	0	4	5	2	15.5	76	3.1	274	13
08/12/24 04:45	0	4	4	2	15.5	77	3.2	266	16
08/12/24 04:50	1	5	5	3	15.5	77	3.7	261	14
08/12/24 04:55	1	7	8	2	15.6	77	2.9	271	18
08/12/24 05:00	1	8	10	2	15.4	76	3.4	268	12
08/12/24 05:05	1	7	8	2	15.4	77	4.1	261	13
08/12/24 05:10	1	6	7	2	15.6	77	4.2	266	12
08/12/24 05:15	1	6	7	2	15.6	77	3.7	268	15
08/12/24 05:20	1	5	6	2	15.5	77	3.6	272	13
08/12/24 05:25	1	4	5	2	15.6	77	3.6	265	12
08/12/24 05:30	1	4	5	2	15.7	77	3.7	268	13
08/12/24 05:35	1	4	5	2	15.7	76	4.9	266	9
08/12/24 05:40	1	5	6	2	15.7	76	4.3	265	12
08/12/24 05:45	2	5	7	2	15.7	77	4.3	263	12
08/12/24 05:50	3	7	10	2	15.8	77	4.5	266	10
08/12/24 05:55	3	5	8	2	15.8	76	4.0	264	12
08/12/24 06:00	3	4	7	3	15.8	76	4.6	271	13
08/12/24 06:05	2	3	5	2	15.7	75	5.7	259	9
08/12/24 06:10	2	3	5	2	15.8	75	6.4	256	5
08/12/24 06:15	2	4	6	2	15.9	77	6.2	255	8
08/12/24 06:20	3	5	8	2	16.0	76	6.4	250	8
08/12/24 06:25	3	4	7	2	16.0	76	6.6	249	7
08/12/24 06:30	3	4	6	2	16.0	76	6.9	251	9
08/12/24 06:35	2	3	5	2	15.9	76	6.8	249	7
08/12/24 06:40	2	3	6	2	16.0	77	7.2	246	9
08/12/24 06:45	3	4	7	2	16.1	76	5.7	243	10
08/12/24 06:50	3	4	7	2	16.1	74	6.0	245	11
08/12/24 06:55	3	4	7	2	16.2	73	6.7	242	11
08/12/24 07:00	3	4	7	2	16.3	72	6.3	236	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
08/12/24 07:05	3	4	7	2	16.3	71	6.3	239	8
08/12/24 07:10	3	3	5	2	16.3	69	6.3	228	10
08/12/24 07:15	2	2	4	2	16.5	66	7.5	231	7
08/12/24 07:20	2	1	3	3	16.5	67	7.6	233	5
08/12/24 07:25	1	1	3	3	16.5	66	7.6	237	8
08/12/24 07:30	1	1	2	2	16.6	67	8.1	218	7
08/12/24 07:35	1	1	2	2	16.7	66	6.8	227	10
08/12/24 07:40	1	1	2	2	16.7	63	8.1	227	9
08/12/24 07:45	1	1	2	3	16.6	63	6.7	227	9
08/12/24 07:50	1	1	2	3	16.9	64	6.9	226	11
08/12/24 07:55	1	3	4	3	16.7	61	7.2	238	7
08/12/24 08:00	1	2	4	3	16.7	63	5.6	233	8
08/12/24 08:05	1	2	3	3	17.0	60	6.1	247	13
08/12/24 08:10	1	2	3	3	16.9	59	6.2	241	10
08/12/24 08:15	1	2	4	3	17.0	57	7.6	241	10
08/12/24 08:20	2	3	5	3	16.9	55	6.9	242	9
08/12/24 08:25	2	2	4	3	17.0	56	6.2	243	17
08/12/24 08:30	2	1	3	3	17.2	61	6.6	221	10
08/12/24 08:35	1	1	2	2	17.2	58	6.2	226	9
08/12/24 08:40	1	1	2	2	17.2	58	5.9	212	10
08/12/24 08:45	1	1	2	2	17.4	59	7.3	222	12
08/12/24 08:50	2	3	4	2	17.2	57	6.4	233	10
08/12/24 08:55	2	2	4	2	17.3	58	6.0	216	10
08/12/24 09:00	1	1	3	2	17.4	57	6.5	240	11
08/12/24 09:05	1	1	2	2	17.3	56	7.3	231	10
08/12/24 09:10	1	1	1	2	17.4	56	5.9	222	9
08/12/24 09:15	1	1	1	2	17.5	55	6.3	221	13
08/12/24 09:20	0	1	1	2	17.5	58	7.9	230	7
08/12/24 09:25	0	1	1	2	17.1	59	7.6	228	10
08/12/24 09:30	0	1	1	2	17.3	58	6.7	234	8
08/12/24 09:35	0	1	1	2	17.1	55	7.2	235	5
08/12/24 09:40	0	1	1	2	17.4	55	6.7	229	9
08/12/24 09:45	0	1	1	2	17.6	55	7.0	214	6
08/12/24 09:50	0	1	1	2	17.6	56	7.0	225	7
08/12/24 09:55	0	1	1	2	17.6	54	5.5	233	11
08/12/24 10:00	0	1	1	2	17.6	54	5.5	211	12
08/12/24 10:05	0	1	1	2	17.8	54	5.6	215	7
08/12/24 10:10	0	1	1	2	18.0	53	5.5	216	5
08/12/24 10:15	0	1	1	2	17.9	51	5.4	212	7
08/12/24 10:20	0	1	1	2	17.9	51	5.6	208	11
08/12/24 10:25	0	1	1	2	17.9	53	4.9	217	6
08/12/24 10:30	0	1	1	2	17.9	49	3.8	199	10
08/12/24 10:35	1	2	3	2	18.3	51	4.0	195	13
08/12/24 10:40	2	3	5	2	18.5	49	4.4	196	11
08/12/24 10:45	1	2	3	1	18.4	50	4.4	196	12
08/12/24 10:50	2	1	3	2	18.4	48	3.4	194	16
08/12/24 10:55	2	1	3	2	18.7	49	3.1	198	14
08/12/24 11:00	2	2	4	2	18.6	49	4.0	200	10
08/12/24 11:05	2	2	4	2	18.8	51	3.9	200	10
08/12/24 11:10	2	1	2	2	18.8	49	3.6	183	13
08/12/24 11:15	2	1	3	2	19.1	48	3.7	194	15
08/12/24 11:20	3	4	7	2	18.8	50	3.9	199	11
08/12/24 11:25	3	2	5	2	19.2	51	3.5	194	13
08/12/24 11:30	1	2	4	2	19.0	49	4.1	197	11
08/12/24 11:35	2	2	4	2	19.0	47	4.4	199	15
08/12/24 11:40	8	9	17	2	19.1	48	4.5	199	11
08/12/24 11:45	25	13	38	2	19.1	48	4.1	193	14
08/12/24 11:50	6	6	13	2	19.3	48	3.9	194	10
08/12/24 11:55	16	8	24	2	19.3	48	3.9	192	13
08/12/24 12:00	6	3	9	1	19.6	48	4.1	195	14
08/12/24 12:05	15	7	22	1	19.7	47	4.7	189	14
08/12/24 12:10	27	8	35	2	19.5	47	4.5	193	13
08/12/24 12:15	7	5	12	2	19.6	47	4.5	198	10
08/12/24 12:20	12	8	20	2	19.3	49	4.4	201	10
08/12/24 12:25	10	9	19	2	19.5	48	4.3	197	11
08/12/24 12:30	32	12	45	2	19.8	50	4.0	193	14
08/12/24 12:35	5	8	13	2	19.7	48	5.2	202	11
08/12/24 12:40	7	9	16	2	19.7	49	5.6	198	10
08/12/24 12:45	7	7	15	1	19.8	49	4.7	198	11
08/12/24 12:50	11	12	23	1	20.0	49	4.5	191	12
08/12/24 12:55	3	3	5	1	20.0	49	5.4	197	11
08/12/24 13:00	2	3	5	1	20.1	50	4.9	195	12
08/12/24 13:05	2	3	5	1	20.2	50	4.5	195	12
08/12/24 13:10	3	5	7	1	20.2	49	5.2	200	10
08/12/24 13:15	2	2	4	1	20.1	50	4.7	192	13
08/12/24 13:20	2	2	4	1	20.3	53	4.4	184	13
08/12/24 13:25	1	2	4	1	20.2	51	4.3	188	14
08/12/24 13:30	1	2	3	1	20.2	53	4.1	179	14
08/12/24 13:35	1	1	2	1	20.5	54	3.9	176	17
08/12/24 13:40	1	1	2	1	20.5	53	3.7	179	14
08/12/24 13:45	1	1	2	1	20.7	52	3.7	162	16
08/12/24 13:50	1	1	2	1	20.8	52	3.1	165	21
08/12/24 13:55	1	1	2	1	20.8	53	3.9	172	18
08/12/24 14:00	1	1	2	1	20.6	56	3.9	172	18

Station Pier Ambient Air Quality Monitoring
December 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 (°)
08/12/24 14:05	1	1	2	1	20.4	56	3.7	170	17
08/12/24 14:10	0	1	2	1	20.5	55	3.5	169	18
08/12/24 14:15	0	1	1	1	20.7	55	3.2	162	17
08/12/24 14:20	0	1	1	1	20.8	55	3.5	163	21
08/12/24 14:25	0	1	1	1	20.6	55	3.4	170	19
08/12/24 14:30	0	1	1	1	20.5	56	3.6	162	20
08/12/24 14:35	0	1	1	1	20.6	56	3.6	173	15
08/12/24 14:40	0	1	1	1	20.5	56	3.5	168	21
08/12/24 14:45	0	1	1	1	20.8	54	3.1	164	23
08/12/24 14:50	0	1	1	1	20.5	55	3.8	169	19
08/12/24 14:55	0	1	1	1	20.7	54	3.3	161	19
08/12/24 15:00	0	1	1	1	20.5	54	3.1	160	25
08/12/24 15:05	0	1	1	1	20.6	54	3.0	162	24
08/12/24 15:10	0	1	1	1	20.6	53	2.9	148	26
08/12/24 15:15	0	1	1	1	20.4	54	3.1	161	25
08/12/24 15:20	0	1	1	1	20.5	54	3.5	161	23
08/12/24 15:25	0	1	1	1	20.6	53	3.0	163	21
08/12/24 15:30	0	1	1	1	20.8	52	3.1	166	24
08/12/24 15:35	0	1	1	1	20.9	54	3.8	166	19
08/12/24 15:40	0	1	1	1	20.8	51	3.3	160	25
08/12/24 15:45	0	1	1	1	20.7	52	4.5	180	16
08/12/24 15:50	0	1	1	1	20.6	51	3.2	162	26
08/12/24 15:55	0	1	1	1	20.6	51	2.8	153	28
08/12/24 16:00	0	1	1	0	20.7	55	3.4	171	20
08/12/24 16:05	1	1	1	1	20.5	54	3.4	171	25
08/12/24 16:10	1	1	2	1	20.5	55	3.4	173	17
08/12/24 16:15	1	1	2	1	20.4	57	4.0	172	15
08/12/24 16:20	1	1	2	1	20.2	58	4.3	175	15
08/12/24 16:25	0	1	2	1	20.5	56	3.9	169	17
08/12/24 16:30	0	1	2	1	20.5	56	3.6	166	19
08/12/24 16:35	0	1	2	1	20.4	56	4.2	176	16
08/12/24 16:40	1	1	2	1	20.2	57	3.8	169	20
08/12/24 16:45	1	1	2	1	20.4	57	4.2	168	16
08/12/24 16:50	1	2	3	1	20.5	59	3.7	167	19
08/12/24 16:55	1	2	3	1	20.2	60	4.4	170	18
08/12/24 17:00	1	2	3	1	20.1	61	4.4	178	14
08/12/24 17:05	1	2	2	1	20.1	60	4.1	175	18
08/12/24 17:10	1	2	2	1	20.1	63	3.9	168	19
08/12/24 17:15	1	2	2	1	20.2	61	3.8	165	18
08/12/24 17:20	1	2	2	1	20.0	62	3.5	177	14
08/12/24 17:25	1	2	2	1	19.7	62	4.5	176	11
08/12/24 17:30	1	2	3	1	19.7	62	4.6	176	13
08/12/24 17:35	1	1	2	1	19.8	62	4.3	168	18
08/12/24 17:40	1	2	3	1	19.7	60	4.4	177	12
08/12/24 17:45	1	1	2	1	19.8	59	4.5	172	15
08/12/24 17:50	1	1	2	1	19.6	60	4.9	174	11
08/12/24 17:55	0	1	2	1	19.8	62	3.9	171	21
08/12/24 18:00	0	1	2	1	19.6	58	5.2	179	14
08/12/24 18:05	1	2	2	1	19.7	60	4.6	170	19
08/12/24 18:10	1	2	2	1	19.5	61	4.0	159	23
08/12/24 18:15	1	2	2	1	19.6	61	4.1	174	15
08/12/24 18:20	1	2	2	1	19.6	58	3.9	170	18
08/12/24 18:25	0	1	2	1	19.5	58	3.7	174	15
08/12/24 18:30	0	1	1	1	19.6	57	3.7	171	16
08/12/24 18:35	0	1	1	1	19.6	58	2.7	162	31
08/12/24 18:40	0	1	1	1	19.7	58	3.1	157	24
08/12/24 18:45	0	1	1	1	19.8	60	3.1	165	21
08/12/24 18:50	0	1	1	1	19.6	57	3.6	171	16
08/12/24 18:55	0	1	1	1	19.4	60	4.4	177	11
08/12/24 19:00	0	1	1	1	19.1	59	3.3	158	25
08/12/24 19:05	0	1	1	1	19.1	61	3.6	173	19
08/12/24 19:10	0	1	1	1	19.0	59	4.4	175	13
08/12/24 19:15	0	1	1	1	18.9	60	3.6	169	17
08/12/24 19:20	0	1	1	1	18.9	61	3.9	171	13
08/12/24 19:25	0	1	1	1	18.8	62	5.1	179	10
08/12/24 19:30	0	1	1	1	18.4	61	4.8	175	13
08/12/24 19:35	0	1	1	1	18.5	66	4.3	175	14
08/12/24 19:40	0	1	1	1	18.3	65	4.0	165	20
08/12/24 19:45	0	1	1	1	18.3	66	3.8	170	16
08/12/24 19:50	0	1	1	1	18.3	66	3.7	175	14
08/12/24 19:55	0	1	1	1	18.3	66	4.0	165	18
08/12/24 20:00	0	1	1	1	18.4	66	3.8	180	13
08/12/24 20:05	0	1	1	1	18.3	64	4.2	175	12
08/12/24 20:10	0	1	1	1	18.3	64	3.8	179	14
08/12/24 20:15	0	1	1	1	18.4	64	4.0	179	16
08/12/24 20:20	0	1	1	1	18.4	63	4.9	180	9
08/12/24 20:25	0	1	1	1	18.2	66	5.4	181	9
08/12/24 20:30	0	1	1	1	18.2	68	4.5	183	9
08/12/24 20:35	0	1	1	1	18.2	69	5.1	181	10
08/12/24 20:40	0	1	1	1	18.0	68	4.6	178	11
08/12/24 20:45	0	1	1	1	17.9	66	4.5	178	12
08/12/24 20:50	0	1	1	1	17.9	66	4.2	178	11
08/12/24 20:55	0	1	1	1	18.0	67	4.3	182	11
08/12/24 21:00	0	1	1	1	17.9	65	4.3	180	10

Station Pier Ambient Air Quality Monitoring
December 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 (°)
08/12/24 21:05	0	1	1	1	18.0	66	4.6	186	8
08/12/24 21:10	0	1	1	1	18.0	67	3.7	180	13
08/12/24 21:15	0	1	1	1	17.9	66	4.4	186	7
08/12/24 21:20	0	1	1	1	17.8	65	3.5	178	11
08/12/24 21:25	0	1	1	1	17.9	65	4.8	191	9
08/12/24 21:30	0	1	1	1	18.0	66	3.2	179	13
08/12/24 21:35	0	1	1	1	18.0	64	4.4	194	6
08/12/24 21:40	0	1	1	1	18.0	63	4.1	191	8
08/12/24 21:45	0	1	1	1	18.0	64	4.0	188	9
08/12/24 21:50	0	1	1	1	18.1	63	3.9	187	8
08/12/24 21:55	0	1	1	1	18.0	63	5.3	198	6
08/12/24 22:00	0	1	1	1	18.1	62	5.0	197	6
08/12/24 22:05	0	1	1	1	18.0	62	4.8	197	8
08/12/24 22:10	0	1	1	1	17.9	60	3.4	184	8
08/12/24 22:15	0	1	1	1	18.0	60	4.6	195	6
08/12/24 22:20	0	1	1	1	17.9	60	4.4	198	7
08/12/24 22:25	0	1	1	1	18.0	63	5.4	197	7
08/12/24 22:30	0	1	1	1	18.0	60	5.2	192	5
08/12/24 22:35	0	1	1	1	18.0	59	4.3	187	8
08/12/24 22:40	0	1	1	1	18.0	59	4.4	192	11
08/12/24 22:45	0	1	1	1	18.0	59	5.4	198	8
08/12/24 22:50	0	1	1	1	18.1	62	5.9	207	7
08/12/24 22:55	0	1	1	1	17.9	60	4.9	201	9
08/12/24 23:00	0	1	1	1	17.9	61	3.7	225	23
08/12/24 23:05	0	4	4	1	17.7	63	4.1	235	9
08/12/24 23:10	0	5	5	1	17.6	64	4.4	232	11
08/12/24 23:15	0	4	4	1	17.7	65	4.6	231	8
08/12/24 23:20	0	5	5	1	17.5	64	5.2	241	8
08/12/24 23:25	0	5	5	1	17.6	64	5.0	244	10
08/12/24 23:30	1	7	8	1	17.3	63	5.1	251	5
08/12/24 23:35	1	8	9	1	17.2	64	5.2	246	7
08/12/24 23:40	1	10	11	1	17.1	64	4.8	244	6
08/12/24 23:45	1	8	9	1	17.1	64	4.6	241	10
08/12/24 23:50	1	6	8		17.0	63	4.5	240	6
08/12/24 23:55	1	8	9		16.9	63	4.2	236	8
09/12/24 00:00	1	8	10	1	17.0	64	4.5	247	8
09/12/24 00:05	1	11	13	1	16.9	64	4.3	244	6
09/12/24 00:10	2	12	13	1	16.8	64	4.6	243	6
09/12/24 00:15	2	11	13	1	16.7	64	4.5	246	8
09/12/24 00:20	2	11	13	1	16.6	64	4.2	245	8
09/12/24 00:25	2	12	15	1	16.5	64	4.5	239	8
09/12/24 00:30	2	13	15	2	16.4	65	4.1	241	10
09/12/24 00:35	3	12	15	2	16.3	65	4.2	242	7
09/12/24 00:40	3	12	15	2	16.3	65	4.4	247	6
09/12/24 00:45	3	12	16	2	16.4	66	4.3	255	9
09/12/24 00:50	3	9	12	2	16.2	65	4.5	250	8
09/12/24 00:55	3	10	12	2	16.1	65	4.1	244	8
09/12/24 01:00	3	15	19	2	16.2	66	3.8	244	10
09/12/24 01:05					16.0	64	3.8	246	9
09/12/24 01:10					16.0	65	3.7	241	8
09/12/24 01:15					16.0	67	3.9	246	9
09/12/24 01:20					16.0	67	3.9	250	7
09/12/24 01:25					16.0	67	4.2	253	6
09/12/24 01:30					15.9	68	4.1	253	8
09/12/24 01:35					15.7	67	4.3	253	5
09/12/24 01:40					15.7	67	4.6	255	7
09/12/24 01:45					15.6	68	4.8	252	5
09/12/24 01:50					15.5	67	4.2	253	7
09/12/24 01:55					15.5	69	4.3	257	8
09/12/24 02:00					15.6	69	4.5	256	7
09/12/24 02:05	3	8	10	1	15.5	69	4.4	253	7
09/12/24 02:10	2	9	11	1	15.5	69	4.2	253	9
09/12/24 02:15	3	12	14	1	15.4	69	3.9	258	11
09/12/24 02:20	3	11	13	1	15.5	71	2.5	270	15
09/12/24 02:25	2	7	9	1	15.4	70	3.1	263	12
09/12/24 02:30	2	8	10	1	15.3	69	3.6	252	8
09/12/24 02:35	3	18	21	1	15.2	69	3.6	250	12
09/12/24 02:40	4	17	21	2	15.4	69	3.7	247	7
09/12/24 02:45	3	11	14	2	15.3	69	3.8	248	7
09/12/24 02:50	3	9	12	2	15.3	69	3.6	246	6
09/12/24 02:55	3	12	16	2	15.2	69	3.3	242	11
09/12/24 03:00	6	16	21	2	15.3	69	3.5	235	7
09/12/24 03:05	7	15	22	2	15.2	69	3.2	233	9
09/12/24 03:10	6	14	20	2	15.3	70	3.1	246	10
09/12/24 03:15	6	14	20	2	15.2	70	3.5	242	8
09/12/24 03:20	6	15	21	2	15.2	70	3.7	252	8
09/12/24 03:25	7	15	22	2	15.1	70	3.3	261	13
09/12/24 03:30	6	15	21	2	15.0	71	2.2	280	17
09/12/24 03:35	3	11	13	2	14.8	72	2.2	281	15
09/12/24 03:40	1	10	11	2	14.7	72	2.4	278	15
09/12/24 03:45	0	10	10	2	14.5	71	2.4	286	14
09/12/24 03:50	2	16	17	2	14.4	71	2.4	283	13
09/12/24 03:55	3	20	24	2	14.4	70	2.3	287	10
09/12/24 04:00	8	17	25	2	14.3	71	2.4	286	11

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
09/12/24 04:05	8	17	26	2	14.2	72	2.4	289	13
09/12/24 04:10	8	17	26	2	14.1	72	2.3	286	15
09/12/24 04:15	8	17	26	2	13.9	72	1.9	293	15
09/12/24 04:20	9	17	26	2	13.9	72	1.0	309	27
09/12/24 04:25	9	17	26	2	13.8	72	1.3	313	18
09/12/24 04:30	9	17	27	2	13.6	72	1.6	315	17
09/12/24 04:35	10	18	27	2	13.7	73	1.2	318	17
09/12/24 04:40	10	18	28	2	13.6	72	1.8	318	17
09/12/24 04:45	10	18	27	2	13.5	72	2.5	316	12
09/12/24 04:50	11	18	28	2	13.6	72	2.6	306	12
09/12/24 04:55	12	18	29	2	13.6	72	2.7	309	14
09/12/24 05:00	13	17	30	2	13.6	72	2.7	311	11
09/12/24 05:05	12	17	29	2	13.5	72	3.0	304	11
09/12/24 05:10	11	17	28	2	13.5	73	2.4	302	15
09/12/24 05:15	11	17	27	2	13.6	72	2.7	302	11
09/12/24 05:20	10	16	26	2	13.6	73	2.8	291	12
09/12/24 05:25	10	17	27	2	13.7	73	2.5	286	11
09/12/24 05:30	13	17	29	2	13.8	73	2.0	294	18
09/12/24 05:35	19	16	34	2	13.6	73	1.9	297	15
09/12/24 05:40	28	17	45	2	13.7	72	2.1	302	14
09/12/24 05:45	34	19	53	2	13.8	72	1.7	307	14
09/12/24 05:50	40	20	60	2	13.9	70	1.8	309	12
09/12/24 05:55	39	19	58	2	14.0	71	1.4	298	20
09/12/24 06:00	38	20	57	3	14.2	70	1.7	299	19
09/12/24 06:05	37	20	57	3	14.3	71	1.8	282	13
09/12/24 06:10	37	19	56	3	14.4	71	2.0	283	16
09/12/24 06:15	36	19	55	3	14.7	72	2.6	264	16
09/12/24 06:20	35	19	54	3	14.9	72	2.4	257	16
09/12/24 06:25	36	19	55	3	15.0	71	2.8	255	8
09/12/24 06:30	32	21	53	3	14.9	71	3.3	254	9
09/12/24 06:35	31	18	49	3	15.0	71	3.5	257	7
09/12/24 06:40	29	19	48	3	15.0	70	3.1	259	9
09/12/24 06:45	20	17	37	3	15.1	69	2.9	252	10
09/12/24 06:50	17	16	33	3	15.2	68	3.3	241	13
09/12/24 06:55	14	11	25	3	15.2	68	3.4	233	8
09/12/24 07:00	11	11	22	3	15.3	68	3.9	236	10
09/12/24 07:05	8	10	18	3	15.4	68	3.9	239	7
09/12/24 07:10	7	11	18	3	15.4	69	3.6	234	8
09/12/24 07:15	7	10	17	3	15.6	70	3.3	236	10
09/12/24 07:20	7	11	17	2	15.5	69	3.3	242	9
09/12/24 07:25	8	12	20	2	15.7	69	3.5	239	10
09/12/24 07:30	9	13	22	2	15.7	68	3.9	243	7
09/12/24 07:35	9	12	21	2	15.7	68	4.0	242	8
09/12/24 07:40	6	8	14	2	15.7	68	4.4	241	6
09/12/24 07:45	5	7	12	2	15.7	68	4.3	238	11
09/12/24 07:50	4	6	10	2	15.9	69	5.0	241	6
09/12/24 07:55	4	7	11	2	15.8	67	5.1	248	10
09/12/24 08:00	4	9	14	2	15.8	67	4.8	244	8
09/12/24 08:05	4	8	12	2	15.9	67	4.5	248	8
09/12/24 08:10	4	6	10	2	16.0	66	4.3	251	7
09/12/24 08:15	4	8	12	2	16.0	65	4.3	248	10
09/12/24 08:20	5	6	11	2	16.1	66	4.1	242	8
09/12/24 08:25	4	5	9	2	16.1	64	4.4	237	7
09/12/24 08:30	4	4	8	3	16.1	64	4.3	234	7
09/12/24 08:35	3	3	7	2	16.1	64	3.5	240	10
09/12/24 08:40	3	3	6	2	16.1	63	3.2	259	6
09/12/24 08:45	3	3	6	3	16.2	63	2.6	234	21
09/12/24 08:50	3	3	5	3	16.3	63	3.1	224	8
09/12/24 08:55	2	2	4	3	16.2	62	2.2	221	13
09/12/24 09:00	2	2	4	3	16.3	61	2.0	210	8
09/12/24 09:05	1	2	3	3	16.5	60	1.4	229	18
09/12/24 09:10	1	2	3	3	16.5	60	1.3	239	21
09/12/24 09:15	1	2	3	3	16.6	61	2.2	210	15
09/12/24 09:20	1	2	2	2	16.6	60	1.9	221	12
09/12/24 09:25	1	2	2	2	16.7	60	2.3	255	10
09/12/24 09:30	1	2	2	2	16.7	60	1.6	224	16
09/12/24 09:35	1	2	2	2	16.7	60	3.1	211	13
09/12/24 09:40	1	2	3	2	16.8	60	2.5	250	8
09/12/24 09:45	1	2	4	2	16.9	59	1.9	224	19
09/12/24 09:50	2	3	4	2	17.0	59	2.5	201	7
09/12/24 09:55	2	3	5	2	17.3	58	2.2	195	13
09/12/24 10:00	3	4	7	2	18.0	55	1.4	139	26
09/12/24 10:05	3	4	7	2	18.8	54	1.6	152	23
09/12/24 10:10	3	4	7	2	19.4	52	1.9	153	20
09/12/24 10:15	2	2	4	2	19.5	53	1.8	167	22
09/12/24 10:20	1	1	3	2	19.6	51	1.7	151	21
09/12/24 10:25	1	1	2	2	19.6	51	1.6	156	29
09/12/24 10:30	1	1	2	2	19.7	49	2.0	141	21
09/12/24 10:35	1	1	2	2	18.8	50	2.5	129	12
09/12/24 10:40	1	1	2	2	18.5	54	2.4	132	18
09/12/24 10:45	1	1	2	2	18.8	54	2.3	147	20
09/12/24 10:50	1	1	2	2	19.1	53	1.9	149	27
09/12/24 10:55	1	2	2	2	19.0	55	2.4	152	22
09/12/24 11:00	1	2	2	2	18.9	54	2.6	165	18

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
09/12/24 11:05	1	2	2	2	18.8	54	2.1	158	23
09/12/24 11:10	1	2	2	2	18.8	54	1.6	163	31
09/12/24 11:15	1	2	2	2	19.0	55	2.7	173	18
09/12/24 11:20	1	2	3	2	18.9	53	2.1	160	18
09/12/24 11:25	1	2	3	2	19.2	53	2.1	154	25
09/12/24 11:30	1	2	2	2	19.4	52	2.3	165	20
09/12/24 11:35	1	2	2	2	19.5	51	1.9	162	21
09/12/24 11:40	0	2	2	2	19.7	52	1.8	169	21
09/12/24 11:45	0	2	2	2	19.7	50	1.6	149	25
09/12/24 11:50	1	1	2	2	19.9	50	2.1	169	26
09/12/24 11:55	1	2	2	2	19.6	51	1.9	156	28
09/12/24 12:00	1	2	2	2	19.8	50	1.6	135	29
09/12/24 12:05	1	2	2	2	20.0	49	2.0	124	19
09/12/24 12:10	1	2	2	2	19.7	50	1.6	127	17
09/12/24 12:15	0	2	2	2	19.8	50	1.6	123	22
09/12/24 12:20	0	2	2	2	19.8	51	1.7	150	22
09/12/24 12:25	0	1	2	2	20.1	50	1.5	152	29
09/12/24 12:30	0	1	2	2	20.2	51	1.7	145	24
09/12/24 12:35	1	1	2	2	20.0	51	3.0	133	11
09/12/24 12:40	0	1	2	2	19.3	54	2.3	144	22
09/12/24 12:45	0	1	1	2	19.3	54	2.3	132	23
09/12/24 12:50	0	1	1	2	19.3	53	2.5	137	17
09/12/24 12:55	0	1	1	2	19.4	53	2.3	149	21
09/12/24 13:00	0	1	1	2	19.5	52	2.8	139	20
09/12/24 13:05	0	1	1	2	19.5	52	2.5	139	23
09/12/24 13:10	0	1	1	1	19.3	52	3.1	133	15
09/12/24 13:15	0	1	1	2	19.3	52	2.9	134	15
09/12/24 13:20	0	1	1	2	19.5	53	2.9	137	17
09/12/24 13:25	0	1	1	2	19.5	52	2.6	137	23
09/12/24 13:30	0	1	1	2	19.7	52	2.9	140	20
09/12/24 13:35	0	1	1	2	19.7	52	2.9	135	20
09/12/24 13:40	0	1	1	2	19.3	53	3.5	129	14
09/12/24 13:45	0	1	1	2	19.2	55	3.4	131	12
09/12/24 13:50	0	1	1	2	19.3	54	2.8	132	19
09/12/24 13:55	1	1	2	2	19.4	54	3.1	132	18
09/12/24 14:00	0	1	1	2	19.6	53	2.5	148	26
09/12/24 14:05	0	1	1	2	19.7	52	2.9	133	15
09/12/24 14:10	0	1	1	2	19.4	54	3.0	133	16
09/12/24 14:15	0	1	1	2	19.4	53	3.1	129	13
09/12/24 14:20	0	1	1	2	19.3	55	3.4	129	15
09/12/24 14:25	0	1	1	2	19.3	55	3.7	131	12
09/12/24 14:30	0	1	1	2	19.4	55	3.3	130	16
09/12/24 14:35	0	1	1	2	19.4	55	3.1	140	18
09/12/24 14:40	1	1	2	2	19.7	54	2.6	141	24
09/12/24 14:45	1	1	2	2	20.0	53	2.7	138	18
09/12/24 14:50	1	1	1	2	19.8	53	2.8	126	17
09/12/24 14:55	1	1	2	2	19.9	54	2.5	136	16
09/12/24 15:00	0	1	2	2	20.1	52	2.3	129	23
09/12/24 15:05	0	1	1	2	20.4	52	1.8	114	16
09/12/24 15:10	0	1	2	2	20.7	50	2.5	133	14
09/12/24 15:15	0	1	1	2	21.1	49	1.7	142	24
09/12/24 15:20	0	1	1	2	20.9	49	2.8	135	13
09/12/24 15:25	0	1	1	2	20.8	51	1.6	150	25
09/12/24 15:30	0	1	1	2	21.4	50	2.4	164	19
09/12/24 15:35	0	1	1	2	21.7	50	2.4	166	20
09/12/24 15:40	0	1	1	2	21.8	50	2.6	161	21
09/12/24 15:45	0	1	1	2	21.7	52	3.0	163	20
09/12/24 15:50	0	1	1	2	21.7	52	2.9	166	17
09/12/24 15:55	0	1	1	2	21.7	51	3.4	164	17
09/12/24 16:00	0	1	1	2	21.5	52	3.5	164	18
09/12/24 16:05	0	1	1	2	21.8	52	3.2	171	16
09/12/24 16:10	0	1	1	2	21.6	51	3.2	162	18
09/12/24 16:15	0	1	1	2	21.5	52	3.3	177	16
09/12/24 16:20	0	1	1	2	21.6	51	3.4	175	13
09/12/24 16:25	0	1	1	2	21.6	53	3.1	177	16
09/12/24 16:30	0	1	1	2	21.3	53	4.4	175	14
09/12/24 16:35	0	1	1	2	21.2	55	4.1	178	11
09/12/24 16:40	0	1	1	2	21.2	55	3.5	171	13
09/12/24 16:45	0	1	1	2	21.1	54	3.8	176	18
09/12/24 16:50	0	1	1	2	21.1	54	3.4	167	16
09/12/24 16:55	0	1	1	2	21.2	53	3.8	172	16
09/12/24 17:00	0	1	1	1	21.1	54	3.3	172	18
09/12/24 17:05	0	1	1	1	21.2	53	3.2	164	22
09/12/24 17:10	0	1	1	2	21.2	52	3.2	166	18
09/12/24 17:15	0	1	1	2	21.1	53	3.4	170	16
09/12/24 17:20	0	1	1	2	21.1	54	2.9	174	18
09/12/24 17:25	0	1	1	2	21.1	55	2.8	171	16
09/12/24 17:30	0	1	1	2	21.2	54	3.6	176	12
09/12/24 17:35	0	1	1	2	21.1	58	3.7	180	11
09/12/24 17:40	0	1	1	2	20.9	58	3.6	177	14
09/12/24 17:45	0	1	1	2	20.9	58	3.6	176	14
09/12/24 17:50	0	1	1	2	20.8	59	3.8	180	12
09/12/24 17:55	0	1	1	2	20.8	59	3.4	180	14
09/12/24 18:00	0	2	2	2	20.6	60	4.2	179	11

Station Pier Ambient Air Quality Monitoring
December 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 (°)
09/12/24 18:05	1	2	3	2	20.5	61	3.5	178	13
09/12/24 18:10	1	3	3	2	20.4	61	3.4	175	16
09/12/24 18:15	1	3	3	2	20.4	62	3.4	174	15
09/12/24 18:20	1	2	3	2	20.5	63	3.2	180	10
09/12/24 18:25	1	2	3	2	20.5	63	3.4	181	11
09/12/24 18:30	1	3	4	2	20.3	63	3.5	181	13
09/12/24 18:35	1	5	6	2	20.2	63	3.9	177	10
09/12/24 18:40	1	5	7	2	20.1	63	3.0	181	13
09/12/24 18:45	1	5	6	2	20.0	63	3.2	178	12
09/12/24 18:50	1	5	6	2	19.9	64	3.3	177	11
09/12/24 18:55	1	5	6	2	19.8	65	3.8	185	9
09/12/24 19:00	1	5	6	2	19.8	67	3.2	181	13
09/12/24 19:05	1	5	6	2	19.7	65	3.0	169	19
09/12/24 19:10	1	5	5	2	19.4	66	3.3	182	12
09/12/24 19:15	1	5	5	2	19.3	67	3.3	177	12
09/12/24 19:20	1	4	5	2	19.2	67	3.3	177	13
09/12/24 19:25	0	4	5	2	19.0	68	3.1	176	15
09/12/24 19:30	0	4	4	2	18.8	68	3.7	183	11
09/12/24 19:35	0	4	4	2	18.8	68	3.4	177	12
09/12/24 19:40	0	4	4	2	18.8	69	3.2	179	11
09/12/24 19:45	0	4	4	2	18.5	70	2.9	176	14
09/12/24 19:50	0	4	4	2	18.7	70	2.9	176	17
09/12/24 19:55	0	4	4	2	18.6	69	3.1	178	13
09/12/24 20:00	0	4	4	2	18.6	70	2.9	174	16
09/12/24 20:05	0	3	3	2	18.5	68	2.8	170	17
09/12/24 20:10	0	3	3	2	18.5	70	2.1	168	27
09/12/24 20:15	0	3	3	2	18.6	71	2.5	172	19
09/12/24 20:20	0	3	3	2	18.6	70	2.1	163	23
09/12/24 20:25	0	3	3	2	18.6	69	2.4	169	24
09/12/24 20:30	0	4	4	2	18.5	70	2.4	169	22
09/12/24 20:35	0	3	3	2	18.5	70	3.3	171	14
09/12/24 20:40	0	3	3	2	18.6	71	2.5	161	23
09/12/24 20:45	0	2	2	2	18.5	70	2.3	161	28
09/12/24 20:50	0	2	2	2	18.4	70	2.3	161	25
09/12/24 20:55	0	2	2	2	18.4	69	2.6	161	27
09/12/24 21:00	0	2	1	2	18.3	70	2.9	172	16
09/12/24 21:05	0	1	1	2	18.4	70	2.9	172	16
09/12/24 21:10	0	1	1	2	18.4	70	3.1	178	19
09/12/24 21:15	0	1	1	2	18.3	70	3.1	175	15
09/12/24 21:20	0	1	1	2	18.4	71	3.5	172	14
09/12/24 21:25	0	1	1	2	18.3	69	3.2	161	24
09/12/24 21:30	0	1	1	2	18.2	70	2.8	163	21
09/12/24 21:35	0	1	1	2	18.0	69	3.0	135	22
09/12/24 21:40	0	1	1	2	17.8	69	3.7	123	17
09/12/24 21:45	0	1	1	2	17.8	69	3.9	108	12
09/12/24 21:50	0	1	1	2	17.8	70	4.4	104	8
09/12/24 21:55	0	1	1	2	17.8	70	3.5	110	14
09/12/24 22:00	0	1	1	2	17.8	71	4.7	103	5
09/12/24 22:05	0	1	1	2	17.7	70	4.0	104	10
09/12/24 22:10	0	2	1	2	17.7	71	3.3	109	15
09/12/24 22:15	0	2	2	2	17.6	71	3.8	105	8
09/12/24 22:20	0	2	2	2	17.6	71	3.4	102	10
09/12/24 22:25	0	2	2	2	17.6	72	3.0	108	13
09/12/24 22:30	0	2	2	2	17.5	70	2.6	113	15
09/12/24 22:35	0	2	2	2	17.4	70	2.6	93	7
09/12/24 22:40	0	2	2	2	17.3	70	3.3	99	9
09/12/24 22:45	0	2	2	2	17.2	68	3.0	87	7
09/12/24 22:50	0	2	2	2	17.0	67	3.2	89	9
09/12/24 22:55	0	2	2	2	16.9	67	3.2	88	8
09/12/24 23:00	0	2	2	2	17.0	69	3.0	90	7
09/12/24 23:05	0	2	2	2	17.0	67	2.7	83	9
09/12/24 23:10	0	2	2	2	16.9	67	2.5	85	9
09/12/24 23:15	0	3	3	2	17.0	68	2.8	90	7
09/12/24 23:20	0	3	3	2	17.0	68	2.6	90	7
09/12/24 23:25	0	3	3	2	17.0	69	2.6	91	9
09/12/24 23:30	0	3	3	2	16.9	69	2.4	98	13
09/12/24 23:35	0	3	3	2	16.9	68	2.6	93	8
09/12/24 23:40	0	3	3	2	16.9	69	2.2	100	11
09/12/24 23:45	0	3	3	2	17.1	70	2.3	101	11
09/12/24 23:50	0	3	3		17.0	68	2.3	87	14
09/12/24 23:55	0	3	3		17.0	68	2.8	90	9
10/12/24 00:00	0	3	3	2	17.0	68	2.8	91	10
10/12/24 00:05	0	3	3	2	17.1	69	3.1	90	8
10/12/24 00:10	0	3	3	2	16.9	68	3.0	89	11
10/12/24 00:15	0	3	3	2	17.0	68	2.7	86	8
10/12/24 00:20	0	2	2	2	17.1	70	2.6	93	7
10/12/24 00:25	0	2	2	2	17.0	68	2.3	92	7
10/12/24 00:30	0	2	2	2	17.3	70	3.2	98	9
10/12/24 00:35	0	2	2	2	17.3	69	2.9	101	13
10/12/24 00:40	0	2	2	2	17.2	66	3.1	85	8
10/12/24 00:45	0	2	2	2	17.1	66	2.7	80	12
10/12/24 00:50	0	2	2	2	17.0	66	2.4	77	10
10/12/24 00:55	0	2	2	2	16.8	66	2.5	70	9
10/12/24 01:00	0	2	2	2	16.8	66	2.4	80	12

Station Pier Ambient Air Quality Monitoring
December 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 (°)
10/12/24 01:05					16.9	66	2.8	82	10
10/12/24 01:10					16.9	66	2.0	83	10
10/12/24 01:15					16.9	66	2.0	78	11
10/12/24 01:20					16.9	65	2.1	76	12
10/12/24 01:25					16.9	65	1.8	77	13
10/12/24 01:30					16.9	65	1.8	69	13
10/12/24 01:35					17.0	65	1.7	71	15
10/12/24 01:40					17.0	65	2.0	76	10
10/12/24 01:45					17.0	65	2.5	71	11
10/12/24 01:50					16.8	65	2.1	65	15
10/12/24 01:55					16.8	66	2.2	74	11
10/12/24 02:00					16.8	66	1.7	64	16
10/12/24 02:05	0	3	3	1	16.9	66	1.2	79	19
10/12/24 02:10	0	3	3	1	16.9	66	1.0	81	15
10/12/24 02:15	0	3	3	1	16.9	67	1.3	96	13
10/12/24 02:20	0	3	3	2	17.0	67	0.9	122	25
10/12/24 02:25	0	3	3	2	17.2	69	2.5	198	19
10/12/24 02:30	0	3	3	2	17.6	69	4.1	194	8
10/12/24 02:35	0	2	2	2	17.8	70	3.1	193	10
10/12/24 02:40	0	2	2	2	17.8	69	4.1	200	12
10/12/24 02:45	0	1	2	2	17.8	69	3.8	198	9
10/12/24 02:50	0	1	2	2	17.7	70	4.0	208	12
10/12/24 02:55	0	1	1	2	17.6	69	2.9	191	17
10/12/24 03:00	0	1	1	2	17.6	68	3.0	201	23
10/12/24 03:05	0	1	1	2	17.6	70	4.2	209	9
10/12/24 03:10	0	1	1	2	17.6	70	3.3	194	10
10/12/24 03:15	0	1	1	2	17.7	70	2.4	201	14
10/12/24 03:20	0	1	1	2	17.6	69	3.3	200	10
10/12/24 03:25	0	1	1	2	17.5	68	3.2	193	11
10/12/24 03:30	0	1	1	2	17.6	67	2.3	191	12
10/12/24 03:35	0	1	1	2	17.7	69	3.7	213	14
10/12/24 03:40	0	1	1	2	17.7	70	4.6	216	9
10/12/24 03:45	0	1	1	2	17.5	69	3.9	221	8
10/12/24 03:50	0	1	1	2	17.6	69	3.9	205	17
10/12/24 03:55	0	1	1	2	17.5	67	2.9	199	23
10/12/24 04:00	0	1	1	2	17.5	67	2.9	198	10
10/12/24 04:05	0	1	1	2	17.5	69	3.4	209	9
10/12/24 04:10	0	1	1	2	17.4	68	2.7	182	15
10/12/24 04:15	0	1	1	2	17.5	69	4.3	204	7
10/12/24 04:20	0	1	1	2	17.5	68	4.0	216	8
10/12/24 04:25	0	1	1	2	17.4	67	4.0	195	7
10/12/24 04:30	1	2	3	2	17.6	69	4.3	217	5
10/12/24 04:35	1	0	1	2	17.4	68	3.8	213	6
10/12/24 04:40	1	0	1	2	17.5	68	3.5	214	8
10/12/24 04:45	1	0	1	2	17.4	67	3.4	203	8
10/12/24 04:50	1	1	2	2	17.4	69	4.3	225	6
10/12/24 04:55	1	1	1	2	17.5	68	3.7	209	10
10/12/24 05:00	0	1	1	2	17.5	68	3.0	221	16
10/12/24 05:05	0	1	2	2	17.4	68	3.7	217	10
10/12/24 05:10	0	1	1	2	17.4	68	3.6	213	9
10/12/24 05:15	0	1	1	2	17.7	69	3.4	210	17
10/12/24 05:20	0	2	2	2	17.6	68	3.6	205	9
10/12/24 05:25	0	1	1	2	17.6	67	3.4	208	6
10/12/24 05:30	0	4	4	2	17.4	68	2.8	238	14
10/12/24 05:35	1	7	8	2	17.3	68	2.2	233	14
10/12/24 05:40	1	8	9	2	17.3	68	2.4	223	10
10/12/24 05:45	1	15	17	2	17.4	67	2.2	248	15
10/12/24 05:50	10	24	33	2	17.4	68	2.2	209	26
10/12/24 05:55	0	1	1	2	17.6	68	4.1	211	6
10/12/24 06:00	0	1	1	2	17.7	70	4.0	210	6
10/12/24 06:05	0	1	1	2	17.7	65	4.2	207	7
10/12/24 06:10	0	1	1	2	17.7	66	4.2	203	6
10/12/24 06:15	0	1	1	2	17.8	69	4.3	207	8
10/12/24 06:20	0	0	1	2	17.7	66	4.9	197	8
10/12/24 06:25	0	0	1	2	17.7	66	5.0	215	6
10/12/24 06:30	0	0	1	2	17.6	65	4.8	200	7
10/12/24 06:35	0	0	1	2	17.6	66	4.2	200	7
10/12/24 06:40	0	0	1	2	17.6	66	4.6	206	6
10/12/24 06:45	0	0	1	2	17.7	65	4.0	207	7
10/12/24 06:50	0	0	0	2	17.7	63	3.2	194	11
10/12/24 06:55	0	0	0	2	17.9	64	3.8	209	6
10/12/24 07:00	0	1	0	2	17.9	64	3.9	213	11
10/12/24 07:05	0	1	1	2	17.9	64	3.6	208	7
10/12/24 07:10	0	1	1	2	17.9	63	4.0	202	6
10/12/24 07:15	0	1	1	2	18.1	62	4.0	195	7
10/12/24 07:20	0	1	1	2	18.1	61	3.4	197	9
10/12/24 07:25	0	1	1	2	18.0	63	3.9	197	8
10/12/24 07:30	0	1	1	2	17.9	64	4.2	200	8
10/12/24 07:35	0	1	1	2	18.0	65	4.4	205	9
10/12/24 07:40	0	1	1	2	18.0	64	4.2	202	9
10/12/24 07:45	0	0	1	2	17.9	62	3.8	188	8
10/12/24 07:50	1	1	1	2	18.1	60	3.4	193	11
10/12/24 07:55	1	1	2	2	18.1	62	3.2	195	11
10/12/24 08:00	1	1	2	2	18.2	61	4.0	194	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
10/12/24 08:05	1	1	1	2	18.3	62	3.3	207	9
10/12/24 08:10	1	1	1	2	18.2	61	3.5	200	16
10/12/24 08:15	1	1	1	2	18.3	61	3.8	196	6
10/12/24 08:20	1	1	1	2	18.4	63	3.8	196	14
10/12/24 08:25	0	1	1	2	18.2	64	3.7	195	10
10/12/24 08:30	0	1	1	2	18.1	63	3.6	201	7
10/12/24 08:35	0	1	1	1	17.9	64	3.5	199	9
10/12/24 08:40	0	1	2	2	18.0	66	3.9	200	11
10/12/24 08:45	0	1	2	2	18.0	64	4.0	193	6
10/12/24 08:50	0	1	2	2	18.3	63	4.2	192	8
10/12/24 08:55	0	1	2	2	18.1	64	4.5	192	6
10/12/24 09:00	0	1	2	2	18.4	64	4.0	193	8
10/12/24 09:05	0	1	2	2	18.4	61	4.2	191	7
10/12/24 09:10	1	1	2	2	18.4	63	4.4	203	10
10/12/24 09:15	0	1	2	2	18.3	62	4.4	199	10
10/12/24 09:20	0	1	2	2	18.3	60	4.4	195	6
10/12/24 09:25	0	1	1	2	18.4	62	5.1	194	7
10/12/24 09:30	0	1	1	2	18.4	60	5.0	196	10
10/12/24 09:35	0	1	1	2	18.3	62	5.1	198	5
10/12/24 09:40	0	1	1	2	18.3	59	5.1	195	7
10/12/24 09:45	0	1	1	2	18.2	58	4.8	191	5
10/12/24 09:50	0	1	1	2	18.4	57	4.8	191	6
10/12/24 09:55	1	1	1	2	18.7	58	4.3	189	9
10/12/24 10:00	1	1	2	2	18.8	56	4.2	191	5
10/12/24 10:05	1	1	2	2	18.7	57	4.1	186	9
10/12/24 10:10	1	1	2	2	18.8	58	4.2	191	7
10/12/24 10:15	1	1	2	2	18.5	59	4.0	194	11
10/12/24 10:20	1	1	2	2	19.2	57	2.7	170	17
10/12/24 10:25	1	1	2	2	19.8	56	3.2	182	17
10/12/24 10:30	1	1	2	2	19.3	56	3.2	186	13
10/12/24 10:35	1	2	2	2	19.8	56	2.5	175	19
10/12/24 10:40	1	2	2	2	20.0	56	3.5	189	10
10/12/24 10:45	2	2	4	2	19.1	56	5.1	192	6
10/12/24 10:50	1	1	2	2	18.7	58	4.3	191	11
10/12/24 10:55	1	1	2	2	18.8	58	3.9	193	7
10/12/24 11:00	1	1	1	2	18.8	58	4.0	189	10
10/12/24 11:05	1	1	2	2	19.6	58	2.8	162	23
10/12/24 11:10	1	1	2	2	19.9	58	3.0	183	15
10/12/24 11:15	1	1	2	2	20.0	56	3.4	185	15
10/12/24 11:20	1	1	2	2	19.3	58	4.0	190	10
10/12/24 11:25	1	1	2	2	19.0	58	4.8	192	5
10/12/24 11:30	0	1	1	2	18.7	59	5.0	195	6
10/12/24 11:35	0	1	1	2	18.7	60	4.6	194	9
10/12/24 11:40	0	1	1	2	18.8	60	5.2	197	7
10/12/24 11:45	0	1	1	2	18.6	60	5.8	196	4
10/12/24 11:50	0	1	1	2	18.7	63	4.6	192	7
10/12/24 11:55	0	1	1	2	19.2	62	4.5	188	8
10/12/24 12:00	0	1	1	2	19.5	60	4.0	182	12
10/12/24 12:05	1	1	2	2	19.3	59	5.0	191	5
10/12/24 12:10	1	1	2	2	19.4	62	3.7	187	12
10/12/24 12:15	1	1	2	2	19.5	60	3.8	184	13
10/12/24 12:20	1	2	3	2	19.8	59	3.8	185	13
10/12/24 12:25	2	3	5	2	20.2	57	3.0	181	15
10/12/24 12:30	2	3	4	2	20.5	55	3.4	185	15
10/12/24 12:35	2	5	7	2	20.6	55	3.3	183	12
10/12/24 12:40	2	3	5	2	20.8	54	3.9	181	14
10/12/24 12:45	2	1	2	2	20.0	54	5.0	191	6
10/12/24 12:50	2	1	3	2	20.2	57	3.8	183	11
10/12/24 12:55	2	2	4	2	20.6	55	3.4	181	11
10/12/24 13:00	2	2	4	2	20.9	56	3.3	176	16
10/12/24 13:05	2	3	5	2	21.1	51	3.1	175	15
10/12/24 13:10	3	5	8	2	21.2	52	3.3	169	16
10/12/24 13:15	3	0	3	2	21.1	53	3.3	158	17
10/12/24 13:20				2	21.2	52	2.5	157	24
10/12/24 13:25				2	21.1	51	2.9	148	23
10/12/24 13:30				2	21.2	54	2.6	158	28
10/12/24 13:35				2	21.5	53	2.6	159	27
10/12/24 13:40	1	0	1	2	21.4	51	2.7	152	23
10/12/24 13:45	1	0	1	2	21.5	52	2.9	165	18
10/12/24 13:50	1	0	1	2	21.6	51	2.6	160	23
10/12/24 13:55	0	0	1	2	21.6	49	2.9	154	23
10/12/24 14:00	1	1	1	2	21.7	50	3.2	160	21
10/12/24 14:05	1	1	2	2	21.8	49	2.7	152	22
10/12/24 14:10	1	0	1	2	21.8	48	3.6	163	19
10/12/24 14:15	1	0	1	2	21.9	48	3.0	158	20
10/12/24 14:20	1	0	1	2	21.9	47	3.5	171	14
10/12/24 14:25	1	3	4	2	21.9	49	3.6	178	14
10/12/24 14:30	1	3	4	2	21.6	53	3.5	172	19
10/12/24 14:35	1	1	2	2	21.4	53	3.5	170	19
10/12/24 14:40	1	1	2	2	21.3	54	4.3	177	14
10/12/24 14:45	1	1	2	2	21.0	56	4.1	175	15
10/12/24 14:50	1	1	2	2	20.9	57	4.2	169	17
10/12/24 14:55	1	1	2	2	20.8	59	3.9	168	18
10/12/24 15:00	1	1	3	2	20.9	57	4.5	176	12

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
10/12/24 15:05	1	2	4	2	20.8	59	4.0	173	12
10/12/24 15:10	1	2	4	2	20.9	62	4.0	182	13
10/12/24 15:15	2	3	5	2	21.1	61	4.0	176	13
10/12/24 15:20	2	2	4	2	21.0	59	4.8	176	11
10/12/24 15:25	2	2	4	1	20.7	61	4.6	177	11
10/12/24 15:30	2	2	4	1	20.7	61	4.3	177	14
10/12/24 15:35	2	3	5	1	20.8	61	4.2	175	13
10/12/24 15:40	2	2	4	1	20.8	62	4.5	175	12
10/12/24 15:45	2	3	5	1	20.6	60	4.5	177	11
10/12/24 15:50	3	4	6	1	20.5	62	4.6	178	15
10/12/24 15:55	3	2	4	1	20.5	60	4.7	176	13
10/12/24 16:00				1	20.8	60	4.7	180	12
10/12/24 16:05	2	1	3	2	20.7	61	4.2	176	13
10/12/24 16:10	2	1	3	2	20.6	60	4.1	177	14
10/12/24 16:15	2	2	4	2	20.6	60	4.3	176	14
10/12/24 16:20	2	2	4	2	20.7	61	4.0	168	17
10/12/24 16:25	2	2	3	2	20.9	61	3.6	171	17
10/12/24 16:30	2	1	3	2	20.8	59	4.4	176	14
10/12/24 16:35	2	1	3	2	20.7	59	4.5	173	12
10/12/24 16:40	2	2	3	2	20.6	58	4.1	175	15
10/12/24 16:45	1	1	3	1	20.6	58	4.3	176	15
10/12/24 16:50	1	2	3	1	20.8	60	3.9	173	13
10/12/24 16:55	1	2	3	1	21.0	57	4.0	177	13
10/12/24 17:00	2	2	4	1	20.9	56	4.3	177	13
10/12/24 17:05	2	2	4	1	20.8	57	4.0	177	12
10/12/24 17:10	2	2	5	1	20.8	57	4.2	178	11
10/12/24 17:15	2	2	5	2	21.0	57	3.2	170	21
10/12/24 17:20	2	2	4	1	21.2	55	3.7	175	15
10/12/24 17:25	3	2	5	1	21.1	55	4.8	183	10
10/12/24 17:30	3	3	6	2	21.0	56	4.2	180	14
10/12/24 17:35	2	3	5	2	21.0	55	4.4	178	12
10/12/24 17:40	3	4	7	2	20.8	57	4.7	179	11
10/12/24 17:45	3	4	7	2	20.7	59	4.4	183	13
10/12/24 17:50	3	5	9	2	20.7	60	5.3	183	10
10/12/24 17:55	4	6	10	2	20.5	61	5.3	181	11
10/12/24 18:00	4	6	10	2	20.5	62	5.2	183	10
10/12/24 18:05	4	1	4	2	20.4	61	6.3	186	9
10/12/24 18:10				2	20.1	61	6.4	185	10
10/12/24 18:15	3	1	3	2	20.2	65	6.2	187	7
10/12/24 18:20	2	1	3	2	19.9	64	6.1	184	8
10/12/24 18:25	2	2	4	2	19.8	68	6.5	187	9
10/12/24 18:30	2	0	2	2	19.7	65	6.6	185	9
10/12/24 18:35	2	1	3	2	19.5	67	6.9	185	8
10/12/24 18:40	2	1	3	2	19.4	68	6.0	182	8
10/12/24 18:45	2	3	5	2	19.3	68	5.8	182	8
10/12/24 18:50	2	2	5	2	19.2	67	6.1	184	10
10/12/24 18:55	2	1	4	2	18.9	67	6.0	185	8
10/12/24 19:00	2	1	3	2	18.8	67	5.6	182	10
10/12/24 19:05	2	3	5	2	18.6	69	5.5	180	10
10/12/24 19:10	3	6	8	2	18.5	68	5.8	180	10
10/12/24 19:15	3	4	7	2	18.4	70	4.7	175	11
10/12/24 19:20	3	2	5	2	18.4	70	5.4	181	8
10/12/24 19:25	3	6	9	2	18.3	70	5.2	177	10
10/12/24 19:30	3	3	6	2	18.3	73	3.8	173	14
10/12/24 19:35	2	1	3	2	18.4	72	3.5	172	17
10/12/24 19:40	2	1	3	2	18.4	73	3.6	166	16
10/12/24 19:45	2	0	2	2	18.3	71	4.0	175	16
10/12/24 19:50	2	1	3	2	18.1	70	3.9	179	12
10/12/24 19:55	2	2	5	2	18.2	72	3.0	175	18
10/12/24 20:00	2	1	3	1	18.3	72	4.1	175	13
10/12/24 20:05	2	3	5	2	18.2	71	3.7	171	16
10/12/24 20:10	2	1	3	2	18.1	72	3.6	176	17
10/12/24 20:15	2	4	6	2	18.0	71	3.9	180	12
10/12/24 20:20	3	6	9	2	18.1	71	2.6	168	24
10/12/24 20:25				2	18.0	72	3.0	162	19
10/12/24 20:30	1	1	2	2	18.1	71	3.2	172	15
10/12/24 20:35	1	1	2	2	18.1	73	2.8	165	22
10/12/24 20:40	0	1	1	2	18.1	72	3.0	169	18
10/12/24 20:45	0	1	1	2	18.2	72	3.1	164	20
10/12/24 20:50	0	1	1	2	18.2	72	3.0	164	20
10/12/24 20:55	0	1	1	2	18.2	72	2.8	173	21
10/12/24 21:00	0	1	2	2	18.3	72	3.0	164	17
10/12/24 21:05	0	1	2	2	18.2	71	2.9	157	26
10/12/24 21:10	0	1	2	2	18.1	72	3.5	163	17
10/12/24 21:15	0	1	1	2	18.0	71	2.9	156	26
10/12/24 21:20	0	1	1	2	18.1	72	3.4	175	18
10/12/24 21:25	5	8	12	2	18.2	70	4.5	181	10
10/12/24 21:30	6	6	11	2	18.2	71	4.0	178	11
10/12/24 21:35	5	5	10	2	18.2	71	3.6	175	15
10/12/24 21:40	1	1	2	2	18.1	68	3.7	168	16
10/12/24 21:45	1	2	3	2	18.0	69	3.4	173	14
10/12/24 21:50	1	2	3	2	18.0	70	2.3	160	25
10/12/24 21:55	1	1	1	2	18.0	72	2.8	165	20
10/12/24 22:00	1	1	1	2	18.0	72	2.5	171	21

Station Pier Ambient Air Quality Monitoring
December 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 (°)
10/12/24 22:05	0	1	1	2	17.8	71	3.3	148	19
10/12/24 22:10	0	1	1	2	17.7	72	2.4	148	30
10/12/24 22:15	0	0	1	2	17.6	71	2.6	153	26
10/12/24 22:20	1	1	2	2	17.8	70	2.9	179	11
10/12/24 22:25	2	5	7	2	17.9	68	3.1	180	14
10/12/24 22:30	3	4	7	2	17.7	68	2.7	177	15
10/12/24 22:35	3	4	7	2	17.8	69	2.9	182	13
10/12/24 22:40	3	5	8	2	17.9	69	3.5	190	10
10/12/24 22:45	1	3	4	2	17.6	68	2.5	187	15
10/12/24 22:50	9	22	31	2	17.6	68	2.7	180	13
10/12/24 22:55	10	7	17	2	17.7	68	2.1	170	18
10/12/24 23:00	16	6	22	2	17.7	67	2.9	179	12
10/12/24 23:05	7	8	15	2	17.6	69	2.1	170	19
10/12/24 23:10	4	3	7	2	17.7	69	2.6	176	18
10/12/24 23:15	8	10	18	2	17.6	69	2.4	179	15
10/12/24 23:20	1	5	5	2	17.6	69	2.7	182	19
10/12/24 23:25	0	2	2	2	17.7	69	2.4	162	18
10/12/24 23:30	0	2	2	2	17.6	71	2.3	175	18
10/12/24 23:35	0	2	2	2	17.7	69	2.3	184	17
10/12/24 23:40	0	1	1	2	17.6	69	3.0	179	12
10/12/24 23:45	0	1	1	2	17.6	70	2.7	175	15
10/12/24 23:50	0	1	1		17.5	69	3.1	174	11
10/12/24 23:55	0	1	1		17.4	70	2.8	187	12
11/12/24 00:00	0	1	1	2	17.4	69	2.7	180	11
11/12/24 00:05	0	1	2	2	17.4	69	2.9	181	15
11/12/24 00:10	0	1	1	2	17.3	68	3.0	181	10
11/12/24 00:15	0	1	1	2	17.5	70	2.7	173	14
11/12/24 00:20	0	1	1	2	17.3	69	2.5	183	11
11/12/24 00:25	0	1	1	2	17.5	70	3.8	192	7
11/12/24 00:30	0	1	1	2	17.4	70	2.5	185	13
11/12/24 00:35	0	1	1	2	17.5	72	3.1	192	12
11/12/24 00:40	0	1	1	2	17.5	70	3.0	184	15
11/12/24 00:45	0	1	1	2	17.6	70	3.2	187	10
11/12/24 00:50	0	1	1	2	17.5	70	2.6	189	11
11/12/24 00:55	0	1	2	2	17.3	70	3.0	188	8
11/12/24 01:00	0	1	2	2	17.5	71	2.8	191	12
11/12/24 01:05					17.5	72	3.8	194	10
11/12/24 01:10					17.4	71	2.7	184	12
11/12/24 01:15					17.4	70	3.8	194	7
11/12/24 01:20					17.4	70	3.3	193	7
11/12/24 01:25					17.2	71	2.6	181	9
11/12/24 01:30					17.4	71	3.0	183	12
11/12/24 01:35					17.6	73	3.3	190	10
11/12/24 01:40					17.5	72	3.2	192	10
11/12/24 01:45					17.5	72	4.2	190	9
11/12/24 01:50					17.5	72	4.2	190	7
11/12/24 01:55					17.4	70	4.2	191	7
11/12/24 02:00					17.3	69	4.0	193	10
11/12/24 02:05	0	1	1	2	17.3	70	4.0	199	7
11/12/24 02:10	0	1	1	2	17.2	68	3.2	192	10
11/12/24 02:15	0	1	1	2	17.2	68	2.7	199	12
11/12/24 02:20	0	1	1	2	17.3	69	3.4	201	7
11/12/24 02:25	0	1	1	2	17.2	69	3.3	199	9
11/12/24 02:30	0	1	1	2	17.2	71	3.4	208	6
11/12/24 02:35	0	1	1	2	17.2	70	3.7	194	9
11/12/24 02:40	0	1	1	2	17.2	72	4.1	216	10
11/12/24 02:45	0	1	1	2	17.2	72	4.0	218	7
11/12/24 02:50	0	1	1	2	17.0	72	3.8	210	8
11/12/24 02:55	0	1	1	2	17.1	73	4.1	209	6
11/12/24 03:00	0	1	1	2	17.0	72	3.5	212	9
11/12/24 03:05	0	2	2	2	17.0	75	4.2	235	9
11/12/24 03:10	1	7	8	2	16.8	75	3.7	227	11
11/12/24 03:15	2	14	16	2	16.7	75	4.6	235	8
11/12/24 03:20	3	15	18	2	16.7	74	4.4	236	5
11/12/24 03:25	4	8	12	2	16.5	75	4.4	230	10
11/12/24 03:30	3	4	7	2	16.5	76	4.2	231	7
11/12/24 03:35	2	4	5	2	16.4	76	4.3	234	9
11/12/24 03:40	1	2	3	2	16.4	77	4.0	233	8
11/12/24 03:45	0	2	3	2	16.4	77	4.4	232	6
11/12/24 03:50	1	3	3	2	16.3	78	4.0	231	8
11/12/24 03:55	1	7	8	2	16.2	78	4.0	243	8
11/12/24 04:00	6	19	25	2	16.2	79	4.0	246	8
11/12/24 04:05	16	16	32	2	16.0	79	4.4	248	6
11/12/24 04:10	15	15	30	2	15.9	79	4.8	246	5
11/12/24 04:15	10	13	23	2	15.8	80	4.8	249	6
11/12/24 04:20	11	13	25	2	15.7	80	5.0	250	6
11/12/24 04:25	11	13	25	2	15.7	80	5.0	254	5
11/12/24 04:30	9	14	23	2	15.5	79	4.8	253	4
11/12/24 04:35	9	17	27	2	15.5	79	4.6	251	5
11/12/24 04:40	14	19	33	2	15.6	79	4.1	258	7
11/12/24 04:45	11	18	29	2	15.6	79	3.9	258	11
11/12/24 04:50	14	15	29	2	15.7	80	3.3	267	11
11/12/24 04:55	14	15	29	2	15.5	80	2.1	277	15
11/12/24 05:00	7	12	20	2	15.3	79	2.6	271	14

Station Pier Ambient Air Quality Monitoring
December 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 (°)
11/12/24 05:05	4	13	17	2	15.2	79	2.3	273	17
11/12/24 05:10	9	17	26	2	15.3	79	2.0	275	19
11/12/24 05:15	11	16	27	2	15.3	78	2.2	279	15
11/12/24 05:20	14	15	29	2	15.3	78	2.1	273	17
11/12/24 05:25	14	16	29	2	15.3	78	2.2	274	15
11/12/24 05:30	16	16	32	2	15.4	78	2.8	269	15
11/12/24 05:35	24	17	41	2	15.5	79	2.1	274	15
11/12/24 05:40	29	17	46	2	15.6	79	3.0	263	11
11/12/24 05:45	32	19	52	2	15.5	77	4.4	257	8
11/12/24 05:50	25	15	40	2	15.5	76	4.2	253	9
11/12/24 05:55	25	17	42	2	15.6	76	4.1	254	6
11/12/24 06:00	24	18	42	2	15.6	76	4.1	254	6
11/12/24 06:05	18	16	34	2	15.7	75	4.4	249	6
11/12/24 06:10	16	16	32	2	15.9	74	4.6	247	8
11/12/24 06:15	16	16	32	2	16.0	73	3.9	249	7
11/12/24 06:20	17	15	32	2	16.1	73	3.9	248	8
11/12/24 06:25	19	15	33	3	16.1	72	3.7	245	9
11/12/24 06:30	22	15	37	3	16.1	72	3.7	241	8
11/12/24 06:35	18	14	32	3	16.1	73	4.2	240	9
11/12/24 06:40	17	12	29	3	16.2	75	4.3	245	8
11/12/24 06:45	15	11	26	3	16.2	75	5.0	237	8
11/12/24 06:50	12	10	22	3	16.2	74	4.7	239	7
11/12/24 06:55	9	10	19	3	16.1	75	4.9	237	7
11/12/24 07:00	7	7	14	3	16.1	75	5.0	236	10
11/12/24 07:05	4	6	11	3	16.1	76	4.9	237	7
11/12/24 07:10	4	5	9	3	16.0	76	5.0	234	7
11/12/24 07:15	4	6	10	3	16.1	77	4.7	240	9
11/12/24 07:20	4	4	8	3	16.2	76	5.3	235	7
11/12/24 07:25	4	4	8	2	16.2	77	5.8	222	5
11/12/24 07:30	3	4	8	2	16.3	77	5.3	224	8
11/12/24 07:35	3	5	8	2	16.3	75	4.5	235	10
11/12/24 07:40	3	4	7	2	16.4	73	6.9	227	5
11/12/24 07:45	2	1	3	2	16.4	72	7.5	228	5
11/12/24 07:50	2	1	3	2	16.4	70	7.4	233	7
11/12/24 07:55	2	1	3	2	16.5	71	8.0	229	5
11/12/24 08:00	1	1	2	2	16.5	70	6.9	231	8
11/12/24 08:05	2	1	3	2	16.6	70	6.5	237	10
11/12/24 08:10	2	1	3	2	16.8	69	7.3	234	6
11/12/24 08:15	1	1	2	2	16.5	67	6.8	232	6
11/12/24 08:20	1	1	2	2	16.6	68	6.5	234	6
11/12/24 08:25	1	1	2	3	16.7	70	6.2	222	7
11/12/24 08:30	1	1	2	3	16.8	66	7.4	227	5
11/12/24 08:35	1	1	2	3	16.8	64	6.9	229	8
11/12/24 08:40	1	1	2	3	16.9	64	6.7	224	6
11/12/24 08:45	1	1	2	3	16.8	64	6.4	226	5
11/12/24 08:50	1	1	2	3	16.7	65	5.4	221	11
11/12/24 08:55	1	1	2	3	16.9	63	5.9	228	7
11/12/24 09:00	1	1	2	3	16.8	65	6.0	230	8
11/12/24 09:05	1	1	2	3	16.7	68	6.8	213	7
11/12/24 09:10	1	1	2	3	16.7	67	6.6	218	4
11/12/24 09:15	1	1	2	3	16.7	66	6.3	223	7
11/12/24 09:20	1	1	2	2	16.7	65	6.0	231	10
11/12/24 09:25	1	1	2	3	16.8	64	5.8	230	10
11/12/24 09:30	1	1	2	3	16.9	66	6.9	225	6
11/12/24 09:35	1	2	2	2	16.8	66	6.5	231	11
11/12/24 09:40	1	2	3	2	16.8	64	5.9	239	10
11/12/24 09:45	1	2	3	2	16.8	64	5.8	226	9
11/12/24 09:50	1	1	2	2	16.9	62	5.6	225	10
11/12/24 09:55	1	1	2	2	16.9	63	5.3	214	8
11/12/24 10:00	1	1	2	2	17.0	63	5.5	224	6
11/12/24 10:05	1	1	2	2	16.9	61	3.8	223	12
11/12/24 10:10	1	1	2	2	17.1	61	3.5	206	17
11/12/24 10:15	1	1	2	2	17.4	59	3.3	197	10
11/12/24 10:20	1	1	2	2	17.6	58	3.2	200	15
11/12/24 10:25	1	1	2	2	17.6	59	3.6	197	13
11/12/24 10:30	1	1	2	2	17.8	59	3.5	184	12
11/12/24 10:35	1	1	2	2	18.2	57	2.6	184	14
11/12/24 10:40	1	1	2	2	18.7	59	2.0	177	19
11/12/24 10:45	1	2	3	2	19.2	55	2.4	171	29
11/12/24 10:50	1	2	3	2	18.6	57	2.9	189	11
11/12/24 10:55	1	2	2	2	19.1	55	2.2	166	22
11/12/24 11:00	0	2	2	2	19.5	53	2.1	147	23
11/12/24 11:05	0	1	2	2	19.4	54	2.4	144	25
11/12/24 11:10	0	1	2	2	19.4	51	1.7	150	26
11/12/24 11:15	0	1	2	2	19.4	53	2.3	140	19
11/12/24 11:20	0	1	2	2	19.3	53	2.9	130	16
11/12/24 11:25	0	1	2	2	19.1	54	1.9	155	26
11/12/24 11:30	0	1	1	2	19.3	53	2.0	139	26
11/12/24 11:35	0	1	1	2	19.5	52	2.2	150	25
11/12/24 11:40	0	1	1	2	19.6	52	2.2	138	21
11/12/24 11:45	0	1	1	2	19.3	53	2.3	118	24
11/12/24 11:50	0	1	1	2	19.5	53	2.7	129	19
11/12/24 11:55	0	1	1	2	19.1	53	2.3	127	21
11/12/24 12:00	0	1	1	2	19.4	53	2.3	138	21

Station Pier Ambient Air Quality Monitoring
December 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 (°)
11/12/24 12:05	0	1	1	2	19.3	55	2.3	116	18
11/12/24 12:10	0	1	1	2	19.8	54	1.6	117	25
11/12/24 12:15	0	1	1	2	20.1	53	1.9	118	21
11/12/24 12:20	0	1	1	3	20.0	53	2.6	117	17
11/12/24 12:25	0	1	1	2	19.6	53	2.9	132	11
11/12/24 12:30	0	1	1	2	19.5	54	2.0	146	26
11/12/24 12:35	0	1	1	2	19.9	52	2.3	145	21
11/12/24 12:40	0	1	1	2	20.0	52	2.6	129	15
11/12/24 12:45	0	1	1	2	20.0	53	2.4	135	20
11/12/24 12:50	0	1	1	2	20.2	51	2.7	120	15
11/12/24 12:55	0	1	1	2	20.1	50	2.7	125	12
11/12/24 13:00	0	1	1	2	20.1	50	2.8	135	13
11/12/24 13:05	0	1	1	2	20.2	51	2.6	129	13
11/12/24 13:10	0	1	1	2	20.3	51	2.3	123	15
11/12/24 13:15	0	1	1	2	20.5	49	2.4	126	18
11/12/24 13:20	0	1	1	2	20.5	49	2.6	128	11
11/12/24 13:25	0	1	1	2	20.7	48	2.1	121	17
11/12/24 13:30	0	1	1	2	21.0	48	2.4	128	13
11/12/24 13:35	0	1	1	2	20.9	47	2.4	126	15
11/12/24 13:40	0	1	1	2	21.3	47	1.9	117	20
11/12/24 13:45	0	1	1	2	21.5	47	2.1	124	20
11/12/24 13:50	0	1	1	2	21.5	46	2.3	138	18
11/12/24 13:55	0	1	1	2	21.8	46	2.5	139	17
11/12/24 14:00	0	1	1	2	21.7	47	2.5	133	17
11/12/24 14:05	0	1	1	2	21.6	47	2.3	132	19
11/12/24 14:10	0	1	1	2	21.9	46	2.3	135	21
11/12/24 14:15	0	1	1	2	22.0	46	2.0	125	16
11/12/24 14:20	0	1	1	2	22.1	44	2.5	126	12
11/12/24 14:25	0	1	1	2	22.2	44	2.0	115	17
11/12/24 14:30	0	1	1	2	22.7	45	2.7	107	9
11/12/24 14:35	0	1	1	2	22.6	44	2.0	112	13
11/12/24 14:40	0	1	1	2	23.0	44	2.0	111	15
11/12/24 14:45	0	1	1	2	23.3	44	2.0	108	15
11/12/24 14:50	0	1	1	2	23.7	42	2.3	111	13
11/12/24 14:55	1	1	2	2	23.6	41	2.7	110	9
11/12/24 15:00	1	1	2	2	23.4	42	2.1	123	18
11/12/24 15:05	1	1	2	2	23.4	41	1.7	115	16
11/12/24 15:10	0	1	2	2	23.8	42	2.1	106	9
11/12/24 15:15	1	9	10	2	23.8	42	2.4	118	19
11/12/24 15:20	1	0	1	2	23.7	44	2.5	160	26
11/12/24 15:25	0	1	1	2	23.8	42	2.3	173	22
11/12/24 15:30	0	1	1	2	24.3	43	2.0	162	23
11/12/24 15:35	0	1	1	2	24.2	41	2.3	162	19
11/12/24 15:40	0	1	1	2	23.9	43	1.9	147	26
11/12/24 15:45	0	1	1	2	23.8	44	1.9	161	28
11/12/24 15:50	0	1	1	2	24.1	45	1.4	163	25
11/12/24 15:55	0	1	1	2	24.3	43	1.7	153	23
11/12/24 16:00	0	1	1	2	23.9	45	1.9	156	20
11/12/24 16:05	0	1	1	2	23.5	45	1.9	156	20
11/12/24 16:10	0	1	1	2	23.5	46	2.1	139	20
11/12/24 16:15	0	1	1	2	23.3	48	1.9	158	27
11/12/24 16:20	0	1	1	2	23.3	48	1.5	147	28
11/12/24 16:25	0	1	1	2	23.2	49	1.9	149	24
11/12/24 16:30	0	1	1	2	23.0	50	1.7	155	32
11/12/24 16:35	0	1	1	2	23.1	50	2.1	147	22
11/12/24 16:40	0	1	1	2	22.8	52	2.2	151	23
11/12/24 16:45	0	1	1	2	23.1	51	2.3	159	22
11/12/24 16:50	0	1	1	2	23.2	50	2.5	168	18
11/12/24 16:55	0	1	1	2	23.1	51	2.2	168	21
11/12/24 17:00	0	1	1	2	23.2	52	2.6	165	22
11/12/24 17:05	0	1	1	2	23.4	54	2.6	165	23
11/12/24 17:10	0	1	1	2	23.3	53	3.1	168	14
11/12/24 17:15	0	1	1	2	22.9	53	3.1	159	21
11/12/24 17:20	0	1	1	2	22.6	54	3.4	167	20
11/12/24 17:25	0	1	1	2	22.3	57	2.8	168	22
11/12/24 17:30	0	1	1	2	22.1	57	2.8	150	27
11/12/24 17:35	0	1	1	2	21.7	58	3.2	157	23
11/12/24 17:40	0	1	1	2	21.5	59	3.1	168	17
11/12/24 17:45	0	1	2	2	21.8	60	2.7	162	23
11/12/24 17:50	0	1	1	2	21.8	60	2.5	152	27
11/12/24 17:55	0	1	1	2	21.6	60	2.6	154	24
11/12/24 18:00	0	1	1	2	21.6	61	2.3	155	27
11/12/24 18:05	0	1	1	2	21.7	62	2.4	162	25
11/12/24 18:10	0	1	1	2	21.7	61	2.4	153	27
11/12/24 18:15	0	1	1	2	21.7	61	2.5	152	29
11/12/24 18:20	0	1	1	2	21.7	60	2.7	151	22
11/12/24 18:25	0	1	1	2	21.6	62	2.1	158	32
11/12/24 18:30	0	1	1	2	21.5	64	2.7	154	24
11/12/24 18:35	0	1	1	2	21.3	64	2.2	142	27
11/12/24 18:40	0	1	1	2	21.0	64	3.7	137	14
11/12/24 18:45	0	1	1	2	20.7	66	3.5	136	14
11/12/24 18:50	0	1	1	2	20.6	65	3.4	131	14
11/12/24 18:55	0	1	1	2	20.5	67	3.3	132	14
11/12/24 19:00	0	1	1	2	20.5	68	3.4	134	12

Station Pier Ambient Air Quality Monitoring
December 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 (°)
11/12/24 19:05	0	1	1	2	20.5	68	2.8	136	15
11/12/24 19:10	0	1	1	2	20.5	69	2.3	138	21
11/12/24 19:15	0	1	1	2	20.6	67	2.6	138	18
11/12/24 19:20	0	2	2	2	20.5	66	2.2	147	25
11/12/24 19:25	0	2	2	2	20.3	66	2.7	139	13
11/12/24 19:30	0	1	1	2	20.3	69	2.1	149	27
11/12/24 19:35	0	1	1	2	20.3	69	1.8	151	26
11/12/24 19:40	0	1	1	2	20.3	69	2.8	139	24
11/12/24 19:45	0	1	1	2	20.1	68	2.9	139	19
11/12/24 19:50	0	1	1	2	20.2	70	2.4	147	23
11/12/24 19:55	0	1	1	2	20.1	71	2.3	148	27
11/12/24 20:00	0	1	1	2	20.1	71	2.2	150	26
11/12/24 20:05	0	1	1	2	20.0	71	2.7	145	23
11/12/24 20:10	0	1	1	2	20.1	70	2.0	156	24
11/12/24 20:15	0	1	1	2	20.0	70	2.9	138	18
11/12/24 20:20	0	1	1	2	19.9	69	2.9	142	20
11/12/24 20:25	0	1	1	2	20.0	69	2.6	144	24
11/12/24 20:30	0	1	1	2	19.9	70	3.4	130	15
11/12/24 20:35	0	1	1	2	20.0	71	2.9	140	19
11/12/24 20:40	0	1	1	2	19.9	72	2.5	139	22
11/12/24 20:45	0	1	1	2	19.9	73	2.4	140	22
11/12/24 20:50	0	1	1	2	19.8	73	2.5	138	24
11/12/24 20:55	0	1	1	2	19.8	73	2.9	137	20
11/12/24 21:00	0	1	1	2	19.7	73	2.1	146	22
11/12/24 21:05	0	1	1	2	19.7	73	2.2	151	24
11/12/24 21:10	0	1	1	2	20.0	76	2.2	175	17
11/12/24 21:15	0	2	2	2	20.0	76	2.6	178	15
11/12/24 21:20	0	2	2	2	20.0	75	2.2	167	22
11/12/24 21:25	0	2	2	2	20.0	76	1.9	175	19
11/12/24 21:30	0	1	1	2	20.0	76	1.7	159	22
11/12/24 21:35	0	1	1	2	20.0	77	2.5	182	13
11/12/24 21:40	0	2	2	2	19.9	70	6.4	233	15
11/12/24 21:45	0	2	2	2	19.7	66	7.0	231	8
11/12/24 21:50	0	2	2	2	19.6	65	7.0	234	7
11/12/24 21:55	0	3	3	2	19.4	66	5.4	236	13
11/12/24 22:00	1	6	7	2	19.4	67	5.4	237	11
11/12/24 22:05	1	11	13	2	19.3	67	5.4	237	11
11/12/24 22:10	2	11	13	2	19.2	69	6.5	229	6
11/12/24 22:15	2	2	4	2	18.9	70	6.8	231	7
11/12/24 22:20	2	2	4	2	18.7	69	6.3	235	6
11/12/24 22:25	1	2	3	2	18.6	70	5.2	230	7
11/12/24 22:30	1	5	6	2	18.6	70	4.2	238	8
11/12/24 22:35	1	7	8	2	18.5	71	4.1	232	11
11/12/24 22:40	2	12	14	2	18.5	69	4.3	236	6
11/12/24 22:45	3	16	19	2	18.2	69	4.0	240	8
11/12/24 22:50	3	14	17	2	18.4	70	4.3	247	12
11/12/24 22:55	3	9	12	2	18.3	70	4.6	244	8
11/12/24 23:00	3	9	13	2	18.1	70	4.1	239	10
11/12/24 23:05	3	10	13	2	18.2	72	3.6	246	10
11/12/24 23:10	3	9	12	2	18.2	72	4.5	251	13
11/12/24 23:15	2	5	7	2	18.1	74	5.3	254	10
11/12/24 23:20	2	2	4	2	18.0	74	3.0	270	16
11/12/24 23:25	1	2	3	2	17.9	74	5.6	256	8
11/12/24 23:30	1	2	4	2	17.8	76	5.3	255	13
11/12/24 23:35	1	4	5	2	17.7	76	5.0	248	7
11/12/24 23:40	1	6	7	2	17.7	77	4.0	246	10
11/12/24 23:45	1	5	6	2	17.7	75	4.1	250	8
11/12/24 23:50	1	4	5		17.5	75	3.7	250	14
11/12/24 23:55	1	5	6		17.5	75	3.2	261	12
12/12/24 00:00	1	5	6	2	17.6	75	3.5	265	13
12/12/24 00:05	1	4	5	2	17.6	75	4.0	262	12
12/12/24 00:10	0	4	4	2	17.6	76	3.8	257	10
12/12/24 00:15	0	3	3	2	17.6	75	4.4	243	6
12/12/24 00:20	0	3	3	2	17.5	75	3.8	251	10
12/12/24 00:25	0	3	4	2	17.6	75	4.2	264	13
12/12/24 00:30	0	4	5	2	17.7	75	3.9	261	11
12/12/24 00:35	0	5	5	2	17.7	75	4.2	258	8
12/12/24 00:40	0	4	4	2	17.8	75	5.2	253	8
12/12/24 00:45	0	3	3	2	17.9	77	4.2	259	12
12/12/24 00:50	0	3	3	2	17.9	76	3.8	266	16
12/12/24 00:55	0	3	3	3	17.9	75	4.6	275	15
12/12/24 01:00	0	3	3	3	17.8	75	4.2	264	15
12/12/24 01:05					17.8	75	5.5	248	13
12/12/24 01:10					17.8	75	7.3	242	9
12/12/24 01:15					17.8	77	6.9	248	7
12/12/24 01:20					17.9	75	6.8	253	10
12/12/24 01:25					17.9	76	6.8	257	10
12/12/24 01:30					17.8	76	6.9	255	9
12/12/24 01:35					17.9	76	7.6	255	6
12/12/24 01:40					17.7	75	7.8	246	7
12/12/24 01:45					17.8	76	7.9	246	7
12/12/24 01:50					17.9	77	7.5	255	7
12/12/24 01:55					17.8	76	5.0	266	14
12/12/24 02:00					17.8	76	4.6	265	8

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
12/12/24 02:05	0	3	3	3	17.8	76	5.1	264	9
12/12/24 02:10	0	3	3	3	17.8	76	5.4	261	10
12/12/24 02:15	0	3	3	3	17.8	76	4.5	265	9
12/12/24 02:20	0	3	3	3	17.7	76	4.6	253	10
12/12/24 02:25	0	3	4	3	17.8	76	5.1	249	10
12/12/24 02:30	1	4	4	3	17.7	76	6.0	244	9
12/12/24 02:35	1	4	5	3	17.5	76	6.3	241	10
12/12/24 02:40	1	5	6	3	17.6	76	5.7	236	11
12/12/24 02:45	1	5	6	3	17.6	76	6.0	242	11
12/12/24 02:50	2	7	9	3	17.6	76	5.5	238	8
12/12/24 02:55	2	8	9	3	17.5	75	6.2	233	6
12/12/24 03:00	2	10	13	3	17.6	77	5.1	233	9
12/12/24 03:05	2	6	9	3	17.7	76	4.8	243	10
12/12/24 03:10	2	8	10	3	17.6	76	4.9	236	9
12/12/24 03:15	2	5	8	2	17.7	76	5.1	232	5
12/12/24 03:20	2	3	4	2	17.6	75	3.8	255	15
12/12/24 03:25	1	2	4	2	17.7	75	3.2	260	12
12/12/24 03:30	1	3	5	3	17.6	75	3.8	259	11
12/12/24 03:35	1	4	4	2	17.7	76	3.7	267	14
12/12/24 03:40	1	3	4	3	17.7	75	4.0	269	11
12/12/24 03:45	1	4	4	3	17.6	75	3.9	263	12
12/12/24 03:50	1	4	4	3	17.6	75	3.0	271	17
12/12/24 03:55	0	4	4	2	17.7	76	2.5	277	14
12/12/24 04:00	0	4	5	2	17.7	74	1.9	275	14
12/12/24 04:05	0	5	5	3	17.6	74	2.5	276	16
12/12/24 04:10	0	5	6	3	17.5	75	3.0	277	11
12/12/24 04:15	0	6	6	3	17.6	75	2.5	276	15
12/12/24 04:20	0	6	6	3	17.6	75	2.0	275	17
12/12/24 04:25	0	6	7	2	17.5	73	2.4	284	18
12/12/24 04:30	0	7	7	2	17.4	74	1.8	289	28
12/12/24 04:35	0	7	7	3	17.4	74	2.2	290	17
12/12/24 04:40	1	7	8	3	17.6	75	2.8	281	16
12/12/24 04:45	0	7	8	3	17.6	74	2.8	281	15
12/12/24 04:50	0	8	8	2	17.5	74	3.0	287	12
12/12/24 04:55	1	9	10	2	17.6	74	2.6	264	12
12/12/24 05:00	1	10	12	3	17.6	74	2.2	272	17
12/12/24 05:05	1	11	12	3	17.7	73	3.0	283	16
12/12/24 05:10	1	11	12	3	17.7	74	2.7	271	14
12/12/24 05:15	1	11	12	3	17.6	74	2.4	281	14
12/12/24 05:20	1	11	12	3	17.7	74	2.9	263	16
12/12/24 05:25	1	11	12	3	17.8	74	3.6	262	12
12/12/24 05:30	1	11	12	3	17.8	73	2.3	280	13
12/12/24 05:35	2	12	14	3	17.7	73	2.5	280	18
12/12/24 05:40	2	12	14	2	17.7	74	2.7	271	15
12/12/24 05:45	2	12	15	2	17.8	74	2.6	277	11
12/12/24 05:50	3	13	16	3	17.7	74	2.7	273	14
12/12/24 05:55	3	12	14	3	17.8	74	2.4	275	18
12/12/24 06:00	3	11	14	2	17.8	74	3.6	263	10
12/12/24 06:05	3	11	14	3	17.9	73	3.2	264	12
12/12/24 06:10	3	12	15	3	17.8	73	1.9	295	20
12/12/24 06:15	4	12	16	3	17.8	72	2.0	284	13
12/12/24 06:20	4	12	16	3	17.8	74	1.9	277	19
12/12/24 06:25	4	12	16	3	18.0	73	2.0	282	15
12/12/24 06:30	4	11	16	2	17.9	72	2.1	285	12
12/12/24 06:35	4	11	15	2	17.8	73	2.8	265	13
12/12/24 06:40	4	10	13	2	17.9	73	2.4	279	17
12/12/24 06:45	3	8	11	2	17.9	73	2.5	270	18
12/12/24 06:50	3	8	11	2	18.0	74	2.3	273	13
12/12/24 06:55	3	8	11	3	18.0	74	3.9	257	11
12/12/24 07:00	3	8	11	3	17.9	74	4.2	253	6
12/12/24 07:05	3	8	11	3	18.1	75	4.9	250	5
12/12/24 07:10	3	6	9	3	17.8	74	4.8	231	5
12/12/24 07:15	2	3	6	2	17.9	74	4.4	226	6
12/12/24 07:20	3	8	10	2	17.9	74	3.5	233	13
12/12/24 07:25	3	6	9	2	18.0	73	2.7	249	16
12/12/24 07:30	3	6	9	3	18.0	73	3.1	234	13
12/12/24 07:35	3	7	10	3	17.9	73	3.3	250	10
12/12/24 07:40	3	6	8	3	17.9	73	3.1	246	11
12/12/24 07:45	2	5	8	2	17.8	72	3.2	261	9
12/12/24 07:50	2	5	7	2	17.8	73	3.5	256	7
12/12/24 07:55	2	5	7	2	17.9	72	2.4	249	15
12/12/24 08:00	2	6	8	2	17.9	72	3.1	264	11
12/12/24 08:05	2	6	8	3	18.0	73	2.8	251	16
12/12/24 08:10	2	5	7	3	17.9	72	2.6	246	18
12/12/24 08:15	2	5	7	3	18.1	71	2.0	271	18
12/12/24 08:20	3	6	8	3	18.2	71	1.9	249	16
12/12/24 08:25	3	6	10	3	18.3	72	2.9	244	12
12/12/24 08:30	4	7	10	3	18.3	71	2.5	241	10
12/12/24 08:35	4	6	10	2	18.3	70	1.7	225	11
12/12/24 08:40	4	7	10	3	18.3	71	2.9	249	16
12/12/24 08:45	4	6	10	2	18.5	70	3.0	244	10
12/12/24 08:50	4	6	10	2	18.5	70	2.4	232	14
12/12/24 08:55	4	6	10	2	18.6	70	2.3	234	9
12/12/24 09:00	5	6	11	2	18.8	71	2.2	254	25

Station Pier Ambient Air Quality Monitoring

December 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 (°)
12/12/24 09:05	5	6	11	2	19.0	66	0.9	356	50
12/12/24 09:10	6	7	13	3	19.3	67	2.4	243	22
12/12/24 09:15	6	6	13	3	19.2	67	2.0	259	21
12/12/24 09:20	6	6	13	3	19.0	66	2.5	229	11
12/12/24 09:25	6	6	13	3	19.2	65	1.5	225	22
12/12/24 09:30	6	6	13	3	19.3	64	1.3	204	13
12/12/24 09:35	7	6	13	3	19.6	63	1.2	233	18
12/12/24 09:40	7	7	14	3	19.7	64	1.9	220	16
12/12/24 09:45	8	7	14	3	19.9	62	1.5	202	14
12/12/24 09:50	8	7	15	3	20.1	64	3.1	227	15
12/12/24 09:55	8	7	15	3	20.2	64	1.2	249	43
12/12/24 10:00	8	7	15	3	20.5	62	1.9	251	24
12/12/24 10:05	7	7	14	3	20.5	64	3.3	242	17
12/12/24 10:10	7	7	14	3	20.5	64	2.7	225	21
12/12/24 10:15	7	7	14	3	20.7	64	1.7	163	29
12/12/24 10:20	7	7	13	3	21.3	62	2.2	165	20
12/12/24 10:25	7	7	14	3	21.6	62	2.8	175	18
12/12/24 10:30	8	6	14	3	21.5	64	2.8	178	18
12/12/24 10:35	4	3	7	3	21.6	61	2.1	155	22
12/12/24 10:40	2	3	4	3	21.6	61	2.3	156	21
12/12/24 10:45	1	3	5	3	21.8	60	2.2	146	21
12/12/24 10:50	1	3	4	3	21.8	60	2.0	154	22
12/12/24 10:55	1	3	4	3	22.0	60	1.6	142	29
12/12/24 11:00	1	3	4	3	21.9	60	2.4	140	20
12/12/24 11:05	1	2	3	2	22.0	60	1.6	155	23
12/12/24 11:10	1	2	3	3	22.2	59	1.8	149	23
12/12/24 11:15	1	2	3	3	22.4	60	2.1	161	25
12/12/24 11:20	1	2	2	3	22.4	60	2.4	153	22
12/12/24 11:25	0	2	2	3	22.5	61	1.7	155	29
12/12/24 11:30	0	2	2	3	22.5	60	2.4	154	21
12/12/24 11:35	0	2	2	3	22.3	61	2.3	157	24
12/12/24 11:40	0	2	2	3	22.3	61	2.9	157	17
12/12/24 11:45	0	2	2	3	22.3	61	2.4	158	23
12/12/24 11:50	0	2	2	3	22.6	62	2.2	164	23
12/12/24 11:55	1	2	3	3	22.8	61	2.6	164	22
12/12/24 12:00	1	3	5	3	22.7	61	2.7	165	19
12/12/24 12:05	2	5	8	3	22.7	62	2.9	167	17
12/12/24 12:10	3	3	6	3	22.9	61	2.7	163	17
12/12/24 12:15	1	1	2	3	22.6	59	2.4	147	21
12/12/24 12:20	0	1	1	3	22.5	61	2.1	142	27
12/12/24 12:25	0	1	1	3	22.5	62	2.1	151	27
12/12/24 12:30	0	1	1	3	22.5	62	2.0	149	27
12/12/24 12:35	0	1	1	3	22.5	63	2.3	144	24
12/12/24 12:40	0	1	1	2	22.5	63	2.3	145	23
12/12/24 12:45	0	1	1	3	22.6	62	2.7	144	20
12/12/24 12:50	0	1	1	3	22.4	63	2.2	142	25
12/12/24 12:55	1	1	2	3	22.8	62	2.0	148	23
12/12/24 13:00	1	1	2	3	22.9	62	1.7	154	30
12/12/24 13:05	1	1	2	3	23.0	63	2.1	150	26
12/12/24 13:10	1	1	2	3	23.5	62	1.6	160	37
12/12/24 13:15	1	1	2	3	23.8	62	2.5	154	20
12/12/24 13:20	1	1	2	3	23.6	62	2.6	160	21
12/12/24 13:25	1	2	3	3	23.6	62	3.0	164	16
12/12/24 13:30	1	2	4	3	23.7	62	2.8	161	21
12/12/24 13:35	1	2	3	3	23.7	62	1.8	161	32
12/12/24 13:40	1	2	2	3	24.0	61	2.5	160	22
12/12/24 13:45	1	2	2	3	23.8	60	2.3	151	23
12/12/24 13:50	1	2	3	3	23.8	60	1.9	156	27
12/12/24 13:55	1	2	3	3	23.9	58	2.0	153	30
12/12/24 14:00	1	2	2	3	24.0	59	2.6	162	19
12/12/24 14:05	1	2	2	3	24.0	59	2.7	155	24
12/12/24 14:10	1	2	2	3	24.1	60	2.7	162	17
12/12/24 14:15	1	2	3	3	24.4	60	2.3	168	21
12/12/24 14:20	2	3	5	3	24.8	58	2.8	164	19
12/12/24 14:25	2	3	5	3	24.7	57	2.2	153	19
12/12/24 14:30	1	2	4	3	24.7	59	2.0	159	25
12/12/24 14:35	1	1	2	3	25.0	58	2.1	146	21
12/12/24 14:40	0	1	1	3	25.0	54	2.1	154	19
12/12/24 14:45	0	1	1	3	25.0	56	1.9	143	26
12/12/24 14:50	0	1	1	3	25.4	53	1.8	164	27
12/12/24 14:55	0	1	1	3	25.3	52	2.2	135	18
12/12/24 15:00	0	1	1	3	25.3	55	1.7	154	24
12/12/24 15:05	0	1	1	3	25.7	52	1.5	146	25
12/12/24 15:10	0	1	1	2	25.9	51	1.9	136	20
12/12/24 15:15	0	1	1	3	25.3	52	2.7	128	12
12/12/24 15:20	0	1	1	3	24.9	53	3.1	127	11
12/12/24 15:25	0	1	1	3	25.1	54	1.9	123	16
12/12/24 15:30	0	1	1	3	25.2	52	2.5	128	13
12/12/24 15:35	0	1	1	3	25.1	53	1.9	141	27
12/12/24 15:40	0	1	1	3	25.8	51	1.5	150	24
12/12/24 15:45	0	1	1	3	25.7	52	1.8	139	21
12/12/24 15:50	0	1	1	3	25.7	54	1.4	158	28
12/12/24 15:55	0	1	1	3	25.9	53	1.6	157	26
12/12/24 16:00	0	1	1	3	25.7	55	2.3	143	22

Station Pier Ambient Air Quality Monitoring
December 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 (°)
12/12/24 16:05	0	1	1	3	25.1	57	1.8	147	30
12/12/24 16:10	0	1	1	3	25.1	59	2.4	139	16
12/12/24 16:15	0	1	1	2	24.3	63	2.9	135	16
12/12/24 16:20	0	1	1	2	24.3	63	1.7	159	26
12/12/24 16:25	0	1	1	3	24.9	63	2.7	164	16
12/12/24 16:30	0	1	1	3	24.9	61	2.7	162	21
12/12/24 16:35	0	1	2	2	25.0	61	2.5	170	17
12/12/24 16:40	1	2	3	3	25.3	60	3.0	170	18
12/12/24 16:45	1	3	5	3	25.0	60	3.6	169	15
12/12/24 16:50	2	6	9	3	25.0	61	3.2	174	19
12/12/24 16:55	4	10	15	3	24.8	61	3.5	173	16
12/12/24 17:00	6	6	12	3	24.9	61	3.0	180	13
12/12/24 17:05	17	16	33	3	24.8	62	3.6	176	15
12/12/24 17:10	5	5	10	2	24.6	63	3.0	172	18
12/12/24 17:15	7	8	14	2	24.8	62	2.9	176	16
12/12/24 17:20	8	8	16	3	24.7	61	2.9	177	18
12/12/24 17:25	6	7	14	3	24.6	62	2.6	177	14
12/12/24 17:30	12	8	20	3	24.7	61	2.8	177	14
12/12/24 17:35	6	1	7	3	24.8	62	2.3	170	18
12/12/24 17:40	2	3	5	3	25.0	63	2.2	173	19
12/12/24 17:45	2	4	6	3	24.9	64	2.5	170	19
12/12/24 17:50	2	4	6	3	25.0	65	2.3	178	19
12/12/24 17:55	3	8	11	3	24.8	65	2.6	182	16
12/12/24 18:00	21	13	34	3	24.9	65	2.5	181	14
12/12/24 18:05	23	15	38	3	24.9	65	2.3	179	16
12/12/24 18:10	34	17	51	3	24.9	65	3.1	185	11
12/12/24 18:15	16	12	28	3	24.1	70	3.8	189	9
12/12/24 18:20	7	7	13	3	23.7	72	3.5	186	11
12/12/24 18:25	17	7	24	3	23.7	72	3.2	185	13
12/12/24 18:30	14	8	22	3	23.5	73	3.5	184	11
12/12/24 18:35	6	5	11	3	23.1	75	4.1	187	9
12/12/24 18:40	22	4	25	3	22.9	75	3.4	179	12
12/12/24 18:45	22	11	33	3	22.9	74	3.3	181	12
12/12/24 18:50	57	20	77	3	22.9	74	3.2	183	12
12/12/24 18:55	44	17	61	3	22.8	74	3.4	177	13
12/12/24 19:00	32	14	46	3	22.6	74	3.9	179	12
12/12/24 19:05	51	16	67	3	22.3	75	3.3	180	12
12/12/24 19:10	39	15	53	3	22.1	76	4.1	180	11
12/12/24 19:15	29	14	43	3	21.6	79	4.1	180	12
12/12/24 19:20	42	15	57	3	21.4	78	4.1	180	11
12/12/24 19:25	36	12	48	3	21.4	80	3.8	183	13
12/12/24 19:30	22	10	32	3	21.3	81	3.8	182	12
12/12/24 19:35	29	10	38	3	21.2	81	4.3	183	9
12/12/24 19:40	35	11	46	3	21.1	82	4.2	181	12
12/12/24 19:45	34	10	44	3	20.9	82	4.3	182	11
12/12/24 19:50	26	12	39	3	20.8	82	4.8	184	9
12/12/24 19:55	34	12	46	3	20.9	82	4.6	183	10
12/12/24 20:00	28	14	41	3	21.0	83	4.1	179	13
12/12/24 20:05	25	10	36	3	21.0	83	3.8	180	16
12/12/24 20:10	20	9	29	3	21.0	83	4.4	177	14
12/12/24 20:15	20	10	30	3	21.1	83	3.7	177	15
12/12/24 20:20	16	7	23	3	21.1	84	4.3	181	12
12/12/24 20:25	23	11	34	3	21.1	84	3.3	170	21
12/12/24 20:30	1	3	4	3	21.0	78	4.5	133	10
12/12/24 20:35	0	3	3	3	21.2	77	4.1	138	20
12/12/24 20:40	0	3	3	3	21.1	77	3.6	124	17
12/12/24 20:45	0	3	3	3	21.0	77	3.2	143	22
12/12/24 20:50	0	3	2	3	20.8	78	3.9	134	18
12/12/24 20:55	0	3	3	3	20.7	78	4.1	133	18
12/12/24 21:00	0	3	3	3	20.7	80	2.8	140	25
12/12/24 21:05	0	2	3	3	20.7	79	3.0	142	18
12/12/24 21:10	0	2	3	3	20.6	78	4.3	127	10
12/12/24 21:15	0	2	2	3	20.5	78	2.6	120	18
12/12/24 21:20	0	2	2	3	20.4	78	2.0	109	18
12/12/24 21:25	0	2	2	3	20.5	78	2.3	111	14
12/12/24 21:30	0	2	2	3	20.3	77	2.1	122	18
12/12/24 21:35	0	2	2	3	20.2	77	3.1	129	10
12/12/24 21:40	0	2	2	3	20.2	77	2.5	135	18
12/12/24 21:45	0	2	2	2	20.2	77	2.0	142	20
12/12/24 21:50	0	2	2	2	20.2	77	2.5	136	13
12/12/24 21:55	0	2	2	2	20.2	78	1.6	139	29
12/12/24 22:00	0	2	3	3	20.2	77	1.0	114	23
12/12/24 22:05	0	3	3	3	20.2	78	1.6	108	16
12/12/24 22:10	0	3	3	3	20.1	78	2.2	94	7
12/12/24 22:15	0	4	4	3	20.0	78	1.6	120	17
12/12/24 22:20	0	4	4	3	19.9	79	1.2	137	18
12/12/24 22:25	0	4	4	3	19.9	79	1.6	133	17
12/12/24 22:30	0	4	4	3	19.8	79	1.5	135	17
12/12/24 22:35	0	4	4	3	19.7	80	1.6	111	17
12/12/24 22:40	0	4	3	3	19.8	81	1.6	128	26
12/12/24 22:45	0	3	3	3	19.8	81	1.5	128	27
12/12/24 22:50	0	3	3	3	19.7	80	1.6	123	17
12/12/24 22:55	0	3	3	3	19.7	81	1.6	119	16
12/12/24 23:00	0	3	3	3	19.7	81	1.7	116	16

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
12/12/24 23:05	0	3	3	3	19.7	81	1.9	113	13
12/12/24 23:10	0	3	3	3	19.7	82	2.4	106	10
12/12/24 23:15	0	3	3	2	19.7	81	1.7	119	17
12/12/24 23:20	0	3	3	2	19.7	81	2.1	109	12
12/12/24 23:25	0	3	3	2	19.6	82	2.3	102	11
12/12/24 23:30	0	4	4	2	19.6	81	2.6	93	9
12/12/24 23:35	0	4	4	2	19.6	80	2.2	87	8
12/12/24 23:40	0	4	4	2	19.6	82	2.3	105	10
12/12/24 23:45	0	4	4	2	19.6	82	1.7	113	18
12/12/24 23:50	0	4	4		19.6	82	2.3	104	7
12/12/24 23:55	0	4	4		19.5	82	1.4	114	23
13/12/24 00:00	0	4	4	2	19.5	81	2.2	106	15
13/12/24 00:05	0	4	4	2	19.5	81	2.3	113	17
13/12/24 00:10	0	3	4	2	19.5	82	2.1	108	12
13/12/24 00:15	0	3	3	2	19.4	83	2.3	100	8
13/12/24 00:20	0	3	3	2	19.5	82	1.9	116	27
13/12/24 00:25	0	3	3	2	19.6	82	1.8	116	21
13/12/24 00:30	0	3	3	2	19.4	82	1.5	130	26
13/12/24 00:35	0	3	3	2	19.4	82	1.2	131	20
13/12/24 00:40	0	3	3	2	19.5	84	1.7	173	25
13/12/24 00:45	0	3	3	2	19.7	84	2.1	187	17
13/12/24 00:50	0	2	2	2	19.7	83	1.8	192	13
13/12/24 00:55	1	2	3	2	19.6	83	1.5	176	23
13/12/24 01:00	0	2	3	1	19.8	83	2.3	191	11
13/12/24 01:05					19.8	83	2.2	196	9
13/12/24 01:10					19.7	84	2.2	187	9
13/12/24 01:15					19.7	84	2.1	205	12
13/12/24 01:20					19.5	85	2.2	184	15
13/12/24 01:25					19.6	85	1.4	182	24
13/12/24 01:30					19.6	85	3.8	216	7
13/12/24 01:35					19.7	85	4.2	218	5
13/12/24 01:40					19.6	85	4.9	224	6
13/12/24 01:45					19.5	85	5.3	223	9
13/12/24 01:50					19.4	84	5.6	233	7
13/12/24 01:55					19.3	84	5.3	241	8
13/12/24 02:00					19.2	84	6.0	236	6
13/12/24 02:05	0	3	3	2	19.2	85	6.3	235	3
13/12/24 02:10	0	3	3	2	19.1	86	6.6	233	5
13/12/24 02:15	0	3	3	2	19.0	86	6.2	236	8
13/12/24 02:20	1	4	5	2	19.0	86	6.7	234	7
13/12/24 02:25	1	4	5	2	18.9	86	6.5	235	6
13/12/24 02:30	1	5	6	1	18.8	87	6.3	230	7
13/12/24 02:35	1	1	2	1	18.6	89	6.3	224	8
13/12/24 02:40	1	1	2	2	18.4	89	5.7	235	7
13/12/24 02:45	1	2	3	2	18.4	89	5.0	235	6
13/12/24 02:50	2	9	11	2	18.4	88	5.4	241	8
13/12/24 02:55	3	9	12	2	18.4	89	4.9	239	9
13/12/24 03:00	4	6	9	2	18.4	88	5.7	242	8
13/12/24 03:05	4	8	12	2	18.3	88	5.3	241	7
13/12/24 03:10	4	5	9	2	18.4	87	5.4	240	8
13/12/24 03:15	5	12	17	2	18.4	87	5.1	242	9
13/12/24 03:20	6	5	11	2	18.4	86	4.5	251	7
13/12/24 03:25	1	5	7	2	18.5	85	4.3	249	7
13/12/24 03:30	2	6	7	2	18.5	85	3.7	251	12
13/12/24 03:35	2	6	8	2	18.7	84	4.1	244	10
13/12/24 03:40	2	7	9	2	18.6	86	5.2	230	11
13/12/24 03:45	2	5	7	2	18.5	88	6.6	229	6
13/12/24 03:50	2	1	3	2	18.3	88	6.5	233	8
13/12/24 03:55	2	3	5	2	18.3	89	5.5	240	9
13/12/24 04:00	2	5	7	2	18.2	89	4.7	238	7
13/12/24 04:05	2	7	10	2	18.1	88	4.2	239	6
13/12/24 04:10	3	6	9	2	18.1	88	4.3	232	4
13/12/24 04:15	3	5	8	2	18.1	88	3.6	233	7
13/12/24 04:20	4	9	13	2	18.1	89	3.5	248	9
13/12/24 04:25	4	8	12	2	18.0	88	3.7	240	9
13/12/24 04:30	5	8	13	2	18.0	89	3.4	231	12
13/12/24 04:35	3	3	6	2	18.2	90	4.6	228	8
13/12/24 04:40	1	3	4	2	18.3	90	6.0	228	8
13/12/24 04:45	1	2	3	2	18.2	88	7.0	222	6
13/12/24 04:50	1	2	3	2	18.2	88	7.2	222	5
13/12/24 04:55	2	7	9	2	18.2	89	7.2	223	6
13/12/24 05:00	0	1	1	2	18.0	88	7.8	227	4
13/12/24 05:05	0	1	1	2	18.0	88	7.8	227	5
13/12/24 05:10	0	1	1	2	18.1	88	6.8	230	6
13/12/24 05:15	0	1	2	2	17.9	86	6.5	233	8
13/12/24 05:20	1	2	2	2	17.9	86	5.9	238	6
13/12/24 05:25	1	3	4	2	17.9	86	6.0	239	7
13/12/24 05:30	2	8	10	2	17.9	85	6.8	233	7
13/12/24 05:35	3	9	13	2	18.0	84	6.0	236	5
13/12/24 05:40	4	9	13	2	17.9	84	5.4	236	6
13/12/24 05:45	4	8	13	2	18.0	83	5.4	232	7
13/12/24 05:50	3	4	8	2	18.1	84	5.6	230	7
13/12/24 05:55	3	3	6	2	18.0	81	6.4	228	7
13/12/24 06:00	1	1	3	2	18.1	82	5.1	224	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
13/12/24 06:05	2	7	9	2	18.2	80	4.5	238	8
13/12/24 06:10	6	13	19	2	18.2	78	5.0	248	10
13/12/24 06:15	7	9	15	2	18.3	79	5.0	248	8
13/12/24 06:20	7	7	14	2	18.4	79	6.0	243	6
13/12/24 06:25	3	6	9	2	18.2	78	5.0	244	7
13/12/24 06:30	2	4	7	2	18.2	78	4.5	239	6
13/12/24 06:35	3	7	11	2	18.1	79	3.7	260	15
13/12/24 06:40	6	8	14	2	18.2	80	3.4	259	13
13/12/24 06:45	7	8	15	2	18.2	81	3.4	268	15
13/12/24 06:50	3	5	7	3	18.0	80	3.0	275	15
13/12/24 06:55	2	4	7	2	18.0	80	3.0	270	12
13/12/24 07:00	2	4	7	2	18.1	79	3.5	253	12
13/12/24 07:05	4	6	10	2	18.1	79	3.6	252	12
13/12/24 07:10	3	4	7	2	18.1	79	3.9	265	7
13/12/24 07:15	3	4	8	2	18.2	79	3.2	248	9
13/12/24 07:20	4	5	9	2	18.2	78	3.0	253	12
13/12/24 07:25	5	8	13	2	18.2	78	4.2	255	8
13/12/24 07:30	4	7	11	2	18.3	78	5.0	241	9
13/12/24 07:35	4	5	9	2	18.2	78	5.3	239	5
13/12/24 07:40	3	2	5	2	18.3	79	4.9	249	11
13/12/24 07:45	3	3	5	2	18.3	78	5.3	255	7
13/12/24 07:50	3	3	6	2	18.4	77	5.1	249	10
13/12/24 07:55	3	4	6	2	18.4	77	4.7	248	8
13/12/24 08:00	3	4	7	2	18.4	78	4.5	247	7
13/12/24 08:05	3	4	7	2	18.5	78	4.1	258	9
13/12/24 08:10	3	4	7	2	18.4	77	4.2	241	8
13/12/24 08:15	3	4	7	3	18.3	78	4.9	216	6
13/12/24 08:20	2	3	5	3	18.3	80	4.6	224	9
13/12/24 08:25	1	2	3	2	18.5	81	4.8	209	7
13/12/24 08:30	1	2	3	2	18.5	80	5.2	221	7
13/12/24 08:35	1	1	2	2	18.6	79	4.6	227	8
13/12/24 08:40	1	1	2	2	18.7	80	5.5	223	6
13/12/24 08:45	1	1	2	2	18.6	83	5.8	224	8
13/12/24 08:50	1	1	2	2	18.4	85	6.4	217	4
13/12/24 08:55	1	1	2	2	18.3	85	5.5	221	5
13/12/24 09:00	1	1	2	2	18.2	87	6.3	206	9
13/12/24 09:05	2	1	4	2	18.1	86	5.7	198	6
13/12/24 09:10	1	1	2	2	18.2	84	4.7	189	6
13/12/24 09:15	1	1	2	2	18.4	83	4.5	192	5
13/12/24 09:20	2	2	3	2	18.6	83	4.3	200	8
13/12/24 09:25	3	4	7	2	18.7	81	4.6	205	10
13/12/24 09:30	2	0	2	2	18.7	81	3.9	206	12
13/12/24 09:35	1	1	2	2	18.9	80	4.4	219	5
13/12/24 09:40	1	1	2	2	18.9	79	3.6	224	11
13/12/24 09:45	1	1	1	2	18.8	80	3.3	221	12
13/12/24 09:50	0	1	1	2	18.8	78	2.9	218	9
13/12/24 09:55	0	1	1	2	19.0	76	3.2	208	6
13/12/24 10:00	0	1	1	2	19.3	75	3.3	210	10
13/12/24 10:05	0	1	1	2	19.5	73	3.5	198	11
13/12/24 10:10	1	1	2	2	19.7	72	3.1	196	12
13/12/24 10:15	1	1	2	2	19.8	72	3.0	185	10
13/12/24 10:20	1	2	3	2	20.7	71	2.3	169	19
13/12/24 10:25	1	2	3	2	21.3	69	2.5	169	19
13/12/24 10:30	3	7	10	2	21.3	71	2.7	182	13
13/12/24 10:35	19	9	28	2	21.1	71	3.0	180	14
13/12/24 10:40	10	5	15	2	21.2	72	2.9	175	17
13/12/24 10:45	8	2	11	2	21.3	71	3.1	166	16
13/12/24 10:50	5	5	9	2	21.2	70	3.0	174	15
13/12/24 10:55	7	3	10	2	21.4	69	2.6	171	19
13/12/24 11:00	2	2	4	2	21.4	69	2.5	162	23
13/12/24 11:05	3	2	5	2	21.4	68	2.4	165	20
13/12/24 11:10	2	1	4	2	21.5	68	2.5	171	25
13/12/24 11:15	2	1	4	2	21.3	68	2.9	161	20
13/12/24 11:20	2	1	3	2	21.4	67	2.4	160	25
13/12/24 11:25	2	2	4	2	21.4	66	2.7	166	19
13/12/24 11:30	2	1	3	2	21.4	65	2.6	165	25
13/12/24 11:35	2	2	4	2	21.3	65	2.6	154	28
13/12/24 11:40	1	2	2	2	21.2	65	2.7	157	23
13/12/24 11:45	0	2	2	2	21.0	65	2.7	147	26
13/12/24 11:50	0	2	2	2	20.9	66	2.6	154	24
13/12/24 11:55	0	1	2	2	21.0	66	3.1	159	19
13/12/24 12:00	0	1	1	2	21.0	65	2.6	144	28
13/12/24 12:05	0	1	1	2	21.0	66	2.5	151	28
13/12/24 12:10	0	1	1	2	20.7	64	3.6	138	17
13/12/24 12:15	0	1	1	2	20.3	67	3.1	144	21
13/12/24 12:20	0	1	1	2	20.6	67	2.7	149	23
13/12/24 12:25	0	1	1	2	20.5	66	2.6	148	27
13/12/24 12:30	0	1	1	2	20.6	66	2.8	146	24
13/12/24 12:35	0	1	1	2	20.8	66	2.7	148	28
13/12/24 12:40	0	1	1	2	20.6	68	3.1	158	24
13/12/24 12:45	1	3	4	2	21.0	67	2.9	172	20
13/12/24 12:50	3	5	9	2	21.1	66	2.9	159	23
13/12/24 12:55	3	2	4	2	21.3	66	3.6	167	19
13/12/24 13:00	2	1	4	2	21.3	66	3.3	166	17

Station Pier Ambient Air Quality Monitoring
December 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 (°)
13/12/24 13:05	2	2	5	2	21.3	66	2.8	156	22
13/12/24 13:10	2	1	4	2	21.4	65	3.3	167	17
13/12/24 13:15	2	1	3	2	21.4	65	3.3	159	21
13/12/24 13:20	1	1	2	2	21.3	65	2.4	159	28
13/12/24 13:25	1	1	1	2	21.3	65	2.7	160	22
13/12/24 13:30	1	1	2	2	21.5	65	2.8	158	22
13/12/24 13:35	1	1	2	2	21.4	64	3.1	164	20
13/12/24 13:40	2	2	4	2	21.3	66	3.4	162	23
13/12/24 13:45	3	2	5	2	21.4	65	2.9	165	23
13/12/24 13:50	2	1	3	2	21.5	65	2.8	163	20
13/12/24 13:55	2	2	4	2	21.7	65	2.8	167	25
13/12/24 14:00	2	4	6	2	21.7	65	3.0	167	20
13/12/24 14:05	5	5	11	2	21.9	63	3.1	170	19
13/12/24 14:10	6	7	13	2	22.0	63	3.4	171	16
13/12/24 14:15	4	1	5	2	21.8	63	3.2	171	16
13/12/24 14:20	4	2	6	2	21.9	63	3.0	170	21
13/12/24 14:25	8	7	15	2	21.9	63	2.9	176	17
13/12/24 14:30	7	3	10	2	21.9	64	3.0	169	19
13/12/24 14:35	16	4	20	2	21.9	65	3.1	180	14
13/12/24 14:40	13	8	20	2	22.1	62	3.5	171	19
13/12/24 14:45	15	6	21	2	21.8	63	3.4	181	14
13/12/24 14:50	18	9	28	2	21.5	64	3.7	185	12
13/12/24 14:55	19	10	29	2	21.7	63	3.3	181	14
13/12/24 15:00	13	7	21	2	21.9	62	2.7	172	21
13/12/24 15:05	4	3	7	2	22.1	60	3.1	171	19
13/12/24 15:10	9	5	14	2	22.0	62	3.0	178	16
13/12/24 15:15	7	4	11	2	22.1	60	3.0	171	18
13/12/24 15:20	12	8	20	2	22.1	60	2.5	175	18
13/12/24 15:25	13	7	19	2	22.2	59	3.2	177	16
13/12/24 15:30	12	7	18	2	22.3	59	3.0	181	16
13/12/24 15:35	15	11	26	2	22.5	59	3.2	183	12
13/12/24 15:40	19	8	27	2	22.4	60	3.0	180	16
13/12/24 15:45	8	5	13	2	22.3	60	2.9	180	19
13/12/24 15:50	11	8	19	2	22.3	59	2.7	174	18
13/12/24 15:55	8	6	14	2	22.0	61	3.1	179	16
13/12/24 16:00	12	7	19	2	22.0	60	3.7	189	11
13/12/24 16:05	12	11	23	2	21.4	64	3.6	187	10
13/12/24 16:10	8	7	15	2	21.7	64	3.7	185	14
13/12/24 16:15	9	7	16	2	21.6	63	3.5	182	15
13/12/24 16:20	8	6	14	2	21.5	63	4.2	187	10
13/12/24 16:25	10	5	15	2	21.2	64	4.0	186	10
13/12/24 16:30	10	9	18	2	21.1	64	4.8	188	9
13/12/24 16:35	1	1	2	2	20.9	67	5.3	188	8
13/12/24 16:40	4	7	11	3	21.1	65	4.5	188	8
13/12/24 16:45	1	1	3	3	20.8	66	4.6	188	10
13/12/24 16:50	2	5	7	2	21.1	67	3.9	187	10
13/12/24 16:55	7	10	17	2	21.4	64	3.6	183	14
13/12/24 17:00	5	3	8	2	21.4	63	4.1	188	8
13/12/24 17:05	4	5	10	2	21.2	65	4.2	187	13
13/12/24 17:10	3	2	5	2	21.3	66	3.5	185	12
13/12/24 17:15	20	10	30	2	21.4	63	3.7	181	13
13/12/24 17:20	19	14	32	2	21.7	63	2.9	174	15
13/12/24 17:25	16	13	29	2	21.9	62	3.4	184	11
13/12/24 17:30	28	11	39	3	21.9	62	3.2	181	13
13/12/24 17:35	18	10	28	3	22.1	62	3.0	186	13
13/12/24 17:40	17	9	26	3	22.2	62	3.2	180	15
13/12/24 17:45	16	9	25	3	22.1	61	3.4	185	12
13/12/24 17:50	30	7	37	3	21.8	61	3.5	181	13
13/12/24 17:55	19	9	28	2	21.6	63	4.8	188	9
13/12/24 18:00	5	5	10	3	21.1	64	5.1	185	8
13/12/24 18:05	4	4	7	3	21.0	65	5.5	188	7
13/12/24 18:10	5	5	10	3	20.9	66	5.3	186	9
13/12/24 18:15	15	11	26	3	20.9	65	4.6	181	9
13/12/24 18:20	10	7	17	3	21.0	65	4.3	185	8
13/12/24 18:25	17	8	25	3	21.1	64	4.2	183	12
13/12/24 18:30	15	14	30	3	21.2	65	4.5	187	11
13/12/24 18:35	20	11	31	3	21.0	65	4.3	183	9
13/12/24 18:40	34	12	45	2	21.0	64	5.0	184	8
13/12/24 18:45	28	13	41	2	20.9	65	5.1	183	8
13/12/24 18:50	9	8	17	2	20.6	68	5.9	186	9
13/12/24 18:55	10	11	21	2	20.3	69	5.5	185	10
13/12/24 19:00	20	11	32	3	20.3	69	4.8	185	9
13/12/24 19:05	36	15	51	3	20.3	70	3.8	184	12
13/12/24 19:10	24	12	37	3	20.2	70	4.3	183	9
13/12/24 19:15	29	10	39	2	20.2	70	4.4	181	9
13/12/24 19:20	27	13	40	3	20.1	71	3.6	183	11
13/12/24 19:25	18	13	31	3	20.0	71	4.2	181	13
13/12/24 19:30	27	9	36	3	19.9	71	4.2	183	11
13/12/24 19:35	19	11	30	3	19.8	72	3.6	181	13
13/12/24 19:40	9	8	17	3	19.8	72	3.6	179	16
13/12/24 19:45	20	7	27	3	19.7	72	3.5	182	12
13/12/24 19:50	14	9	23	3	19.6	73	3.0	181	16
13/12/24 19:55	1	4	5	3	19.6	73	2.8	175	19
13/12/24 20:00	2	3	5	3	19.5	72	2.4	165	24

Station Pier Ambient Air Quality Monitoring
December 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 (°)
13/12/24 20:05	1	1	2	3	19.5	72	2.6	168	20
13/12/24 20:10	1	1	2	2	19.4	72	2.6	167	22
13/12/24 20:15	1	2	3	2	19.5	73	2.3	156	23
13/12/24 20:20	1	1	2	2	19.3	73	2.5	158	22
13/12/24 20:25	1	2	3	2	19.4	73	2.6	165	23
13/12/24 20:30	1	1	2	2	19.3	72	2.6	157	23
13/12/24 20:35	1	1	2	2	19.2	72	2.7	157	21
13/12/24 20:40	1	1	2	2	19.0	72	3.0	150	23
13/12/24 20:45	0	1	2	2	18.9	71	3.1	146	23
13/12/24 20:50	0	1	1	2	18.9	71	4.0	134	18
13/12/24 20:55	0	1	1	2	18.7	71	3.9	122	17
13/12/24 21:00	0	1	1	2	18.5	70	4.1	122	13
13/12/24 21:05	0	1	1	2	18.5	71	3.5	119	17
13/12/24 21:10	0	1	1	2	18.4	71	3.6	119	18
13/12/24 21:15	0	1	1	2	18.3	70	3.6	125	17
13/12/24 21:20	0	1	1	2	18.4	72	3.4	108	13
13/12/24 21:25	0	1	1	2	18.3	71	2.8	116	21
13/12/24 21:30	0	1	1	2	18.3	70	3.0	112	16
13/12/24 21:35	0	2	2	2	18.3	70	2.8	107	12
13/12/24 21:40	0	2	2	2	18.1	70	2.9	116	15
13/12/24 21:45	0	2	2	2	18.0	69	3.1	118	17
13/12/24 21:50	0	2	2	2	17.9	69	3.4	125	13
13/12/24 21:55	0	2	2	2	17.8	71	2.8	110	14
13/12/24 22:00	0	2	2	2	17.9	70	2.7	114	14
13/12/24 22:05	0	2	2	2	17.9	71	2.8	108	12
13/12/24 22:10	0	2	2	2	17.8	71	2.5	113	19
13/12/24 22:15	0	2	2	2	17.8	72	2.6	111	14
13/12/24 22:20	0	2	2	2	17.8	72	2.8	108	12
13/12/24 22:25	0	2	2	2	17.7	73	2.7	109	15
13/12/24 22:30	0	2	2	2	17.7	73	3.1	106	12
13/12/24 22:35	0	2	2	2	17.7	74	3.2	106	11
13/12/24 22:40	0	3	3	2	17.6	74	2.5	108	15
13/12/24 22:45	0	3	3	2	17.7	75	2.7	107	17
13/12/24 22:50	0	3	3	2	17.7	75	3.4	107	11
13/12/24 22:55	0	2	2	2	17.5	75	4.1	104	8
13/12/24 23:00	0	2	2	2	17.5	75	4.0	101	6
13/12/24 23:05	0	2	2	2	17.5	76	2.8	108	16
13/12/24 23:10	0	2	2	2	17.4	76	3.0	96	9
13/12/24 23:15	0	2	2	2	17.3	74	3.4	92	8
13/12/24 23:20	0	2	2	2	17.2	75	3.7	96	8
13/12/24 23:25	0	2	3	2	17.1	75	4.2	93	8
13/12/24 23:30	0	2	2	2	17.1	72	2.9	91	11
13/12/24 23:35	0	3	3	2	17.0	72	3.0	92	9
13/12/24 23:40	0	3	3	2	17.0	75	3.7	100	7
13/12/24 23:45	0	3	3	2	17.1	74	3.7	96	11
13/12/24 23:50	0	2	3		17.2	74	3.2	106	11
13/12/24 23:55	0	2	2		17.2	74	2.9	97	11
14/12/24 00:00	0	2	3	2	17.0	73	3.2	89	7
14/12/24 00:05	0	2	3	2	16.9	73	2.9	89	7
14/12/24 00:10	0	3	3	2	16.7	73	2.8	91	8
14/12/24 00:15	0	3	3	2	16.8	76	2.5	102	13
14/12/24 00:20	0	3	3	2	17.0	75	3.3	106	12
14/12/24 00:25	0	3	3	2	17.0	76	2.5	109	14
14/12/24 00:30	0	2	2	2	16.9	75	2.6	119	15
14/12/24 00:35	0	2	2	2	16.8	75	2.7	106	15
14/12/24 00:40	0	2	2	2	16.9	75	2.5	107	14
14/12/24 00:45	0	2	2	2	17.0	76	3.8	102	8
14/12/24 00:50	0	2	2	2	16.9	75	3.6	105	9
14/12/24 00:55	0	2	2	2	16.9	75	2.9	95	10
14/12/24 01:00	0	2	3	2	16.6	74	2.7	83	11
14/12/24 01:05					16.4	74	2.2	77	11
14/12/24 01:10					16.3	74	1.9	78	11
14/12/24 01:15					16.2	74	2.1	79	11
14/12/24 01:20					16.1	75	2.2	81	11
14/12/24 01:25					16.2	75	2.2	80	10
14/12/24 01:30					16.2	75	2.5	82	9
14/12/24 01:35					16.1	75	2.1	77	8
14/12/24 01:40					16.0	75	2.4	85	10
14/12/24 01:45					16.0	75	2.2	86	9
14/12/24 01:50					16.0	75	2.2	85	10
14/12/24 01:55					16.0	75	2.1	82	8
14/12/24 02:00					15.9	75	2.3	87	6
14/12/24 02:05	0	10	10	2	16.0	75	2.8	85	6
14/12/24 02:10	0	10	11	2	15.9	74	2.5	80	9
14/12/24 02:15	0	11	11	2	15.9	74	2.1	83	10
14/12/24 02:20	0	11	11	2	15.9	75	2.2	80	10
14/12/24 02:25	0	12	12	2	15.9	75	2.8	87	8
14/12/24 02:30	0	12	13	2	15.8	75	2.7	85	5
14/12/24 02:35	0	12	13	2	15.8	75	2.4	82	10
14/12/24 02:40	0	12	12	2	15.7	75	2.6	81	6
14/12/24 02:45	0	12	12	2	15.8	75	2.3	78	12
14/12/24 02:50	0	12	12	2	15.9	75	2.7	86	7
14/12/24 02:55	1	12	12	2	15.9	75	2.9	87	6
14/12/24 03:00	0	12	12	2	15.8	75	2.5	81	9

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
14/12/24 03:05	0	12	12	2	15.7	75	2.6	83	10
14/12/24 03:10	0	12	12	2	15.7	75	2.3	82	11
14/12/24 03:15	0	11	12	2	15.6	75	2.1	77	11
14/12/24 03:20	0	11	11	2	15.7	75	2.2	79	8
14/12/24 03:25	0	10	10	2	15.6	75	2.2	71	10
14/12/24 03:30	0	10	10	2	15.6	76	2.4	71	11
14/12/24 03:35	0	10	10	2	15.6	76	2.2	71	9
14/12/24 03:40	0	10	10	2	15.6	76	2.5	72	11
14/12/24 03:45	1	9	10	2	15.6	76	2.5	72	10
14/12/24 03:50	0	10	10	2	15.5	76	2.3	74	11
14/12/24 03:55	0	10	10	2	15.6	76	2.2	73	9
14/12/24 04:00	0	10	10	2	15.6	76	2.3	72	11
14/12/24 04:05	0	9	10	2	15.5	76	2.3	73	9
14/12/24 04:10	0	9	9	2	15.6	76	2.1	71	12
14/12/24 04:15	0	9	9	2	15.5	76	1.7	75	11
14/12/24 04:20	0	8	9	2	15.4	77	1.8	78	10
14/12/24 04:25	0	8	8	2	15.4	76	2.1	73	8
14/12/24 04:30	0	7	7	2	15.4	76	2.1	73	12
14/12/24 04:35	0	7	7	2	15.4	76	2.1	74	12
14/12/24 04:40	0	6	6	2	15.4	76	2.2	77	10
14/12/24 04:45	0	6	6	2	15.4	77	2.1	76	12
14/12/24 04:50	0	5	6	2	15.4	76	1.8	74	9
14/12/24 04:55	0	5	6	2	15.3	76	2.0	74	10
14/12/24 05:00	0	5	6	2	15.3	76	2.0	78	9
14/12/24 05:05	0	5	5	2	15.3	76	2.0	76	9
14/12/24 05:10	0	5	5	2	15.5	76	2.3	73	10
14/12/24 05:15	0	5	5	2	15.5	75	2.9	73	9
14/12/24 05:20	0	5	5	2	15.6	75	2.2	65	14
14/12/24 05:25	0	5	5	2	15.7	74	2.9	63	9
14/12/24 05:30	0	5	5	2	15.8	74	2.7	64	11
14/12/24 05:35	0	5	5	2	15.9	73	2.6	65	9
14/12/24 05:40	0	5	5	2	15.9	73	2.7	74	11
14/12/24 05:45	1	4	5	2	16.1	73	2.5	75	11
14/12/24 05:50	1	5	5	2	16.1	72	2.7	75	12
14/12/24 05:55	1	5	5	2	16.2	72	2.3	83	13
14/12/24 06:00	1	4	6	2	16.4	72	2.3	74	15
14/12/24 06:05	1	5	6	2	16.4	71	2.4	73	17
14/12/24 06:10	2	5	7	2	16.5	71	2.3	79	13
14/12/24 06:15	2	6	8	2	16.6	71	2.9	73	15
14/12/24 06:20	3	6	9	2	16.6	71	2.6	77	11
14/12/24 06:25	4	7	11	2	16.7	70	2.7	63	12
14/12/24 06:30	5	9	13	2	16.8	70	2.7	70	14
14/12/24 06:35	5	8	13	2	16.7	70	2.7	70	12
14/12/24 06:40	5	8	12	2	16.7	70	2.2	65	14
14/12/24 06:45	4	7	12	2	16.8	71	2.7	74	15
14/12/24 06:50	4	7	11	2	16.8	71	3.6	66	13
14/12/24 06:55	4	6	10	2	16.8	71	3.5	63	10
14/12/24 07:00	3	5	9	2	17.0	70	3.0	67	16
14/12/24 07:05	3	5	8	2	17.1	69	3.1	72	15
14/12/24 07:10	3	5	8	2	17.2	69	3.3	73	11
14/12/24 07:15	3	5	8	2	17.3	70	2.2	80	17
14/12/24 07:20	3	5	8	2	17.4	69	2.7	84	18
14/12/24 07:25	3	5	8	2	17.6	69	2.3	100	20
14/12/24 07:30	3	4	7	2	17.8	66	2.8	76	15
14/12/24 07:35	3	4	7	2	18.0	68	2.9	107	14
14/12/24 07:40	3	4	6	2	18.4	66	3.4	109	11
14/12/24 07:45	2	4	6	2	18.4	66	3.2	104	9
14/12/24 07:50	2	4	6	2	18.4	65	2.5	111	12
14/12/24 07:55	2	3	6	2	18.8	65	2.0	111	19
14/12/24 08:00	2	3	6	2	18.9	64	2.0	110	19
14/12/24 08:05	2	3	5	2	19.0	62	1.5	105	20
14/12/24 08:10	2	3	5	2	19.3	62	2.1	109	14
14/12/24 08:15	2	3	5	2	19.5	62	2.4	108	13
14/12/24 08:20	2	3	5	2	19.4	60	1.6	122	16
14/12/24 08:25	2	3	5	2	19.9	59	1.1	139	26
14/12/24 08:30	2	3	4	2	19.9	59	2.5	114	15
14/12/24 08:35	2	2	4	2	19.8	59	1.7	95	34
14/12/24 08:40	2	2	4	2	19.7	59	1.9	127	26
14/12/24 08:45	2	2	4	2	20.1	59	1.5	161	26
14/12/24 08:50	2	2	4	2	20.4	61	1.7	176	24
14/12/24 08:55	2	2	4	2	20.4	59	1.9	161	19
14/12/24 09:00	1	3	4	2	20.6	58	1.4	169	29
14/12/24 09:05	1	3	4	2	19.9	62	2.8	192	6
14/12/24 09:10	2	3	4	2	20.1	62	2.4	173	18
14/12/24 09:15	2	3	4	2	19.9	62	3.3	193	5
14/12/24 09:20	2	3	5	2	19.2	65	3.5	198	7
14/12/24 09:25	2	3	5	2	18.9	67	3.8	202	5
14/12/24 09:30	2	3	4	2	18.9	68	3.2	196	8
14/12/24 09:35	2	4	6	2	19.2	67	3.5	195	6
14/12/24 09:40	2	2	4	2	19.0	66	3.9	195	6
14/12/24 09:45	1	2	4	2	19.0	67	3.9	194	7
14/12/24 09:50	1	2	3	2	18.9	68	4.1	196	5
14/12/24 09:55	1	2	4	2	19.0	67	3.8	193	6
14/12/24 10:00	1	2	3	2	18.9	67	4.2	192	6

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
14/12/24 10:05	1	2	3	2	18.9	68	4.1	195	5
14/12/24 10:10	1	2	3	2	19.0	68	3.6	196	5
14/12/24 10:15	1	2	3	2	19.1	67	3.1	198	6
14/12/24 10:20	1	2	3	2	19.2	67	3.7	192	8
14/12/24 10:25	1	2	2	2	19.2	66	3.5	194	7
14/12/24 10:30	1	2	2	2	19.3	67	3.2	188	8
14/12/24 10:35	1	2	2	2	19.5	66	2.9	192	9
14/12/24 10:40	1	2	3	2	19.9	66	2.6	189	13
14/12/24 10:45	1	2	3	2	19.6	66	3.5	196	6
14/12/24 10:50	1	2	3	2	19.6	68	2.4	187	17
14/12/24 10:55	1	2	3	2	20.1	66	2.9	187	16
14/12/24 11:00	1	2	3	2	20.2	64	2.4	175	22
14/12/24 11:05	1	3	3	2	20.5	63	2.3	178	21
14/12/24 11:10	1	2	3	2	20.7	63	2.1	167	18
14/12/24 11:15	1	3	4	2	21.0	61	2.8	190	12
14/12/24 11:20	1	3	5	2	20.8	64	2.7	184	19
14/12/24 11:25	2	2	5	2	20.9	62	2.6	175	21
14/12/24 11:30	2	3	5	2	21.0	62	3.3	183	16
14/12/24 11:35	0	3	3	2	20.8	64	2.7	176	19
14/12/24 11:40	4	14	18	2	21.4	61	2.5	166	19
14/12/24 11:45	10	13	23	2	21.5	62	3.2	188	15
14/12/24 11:50	9	11	19	2	21.4	63	2.6	176	20
14/12/24 11:55	7	11	18	2	21.5	63	2.8	188	12
14/12/24 12:00	5	9	14	2	21.4	62	2.6	181	15
14/12/24 12:05	5	10	15	2	21.4	61	2.4	172	15
14/12/24 12:10	5	8	13	2	21.7	59	2.6	168	18
14/12/24 12:15	5	12	17	2	21.8	62	2.8	180	18
14/12/24 12:20	5	8	13	2	21.3	63	3.8	188	12
14/12/24 12:25	4	3	8	2	21.0	65	3.0	185	13
14/12/24 12:30	4	6	11	2	21.5	64	2.4	179	17
14/12/24 12:35	3	3	6	2	21.6	60	2.4	158	19
14/12/24 12:40	2	3	5	2	21.7	60	1.5	156	31
14/12/24 12:45	2	3	5	2	22.0	59	2.0	154	25
14/12/24 12:50	2	4	5	2	22.0	59	1.8	144	26
14/12/24 12:55	2	4	5	2	21.8	59	2.4	136	19
14/12/24 13:00	1	4	5	2	21.8	60	2.0	140	23
14/12/24 13:05	1	3	5	2	21.9	61	1.6	149	27
14/12/24 13:10	1	3	4	2	22.4	59	1.4	152	28
14/12/24 13:15	1	3	3	2	23.0	57	1.7	155	26
14/12/24 13:20	1	3	4	2	23.4	56	1.8	153	22
14/12/24 13:25	1	2	3	2	23.5	56	1.9	151	24
14/12/24 13:30	1	2	2	2	23.2	57	1.8	161	24
14/12/24 13:35	1	2	2	2	23.1	58	1.9	159	21
14/12/24 13:40	1	2	3	2	23.1	59	2.2	163	19
14/12/24 13:45	1	2	3	2	23.0	59	2.3	163	17
14/12/24 13:50	1	2	3	2	23.0	62	2.5	183	15
14/12/24 13:55	1	3	3	2	22.5	65	3.5	190	6
14/12/24 14:00	1	3	4	2	22.8	65	2.4	182	13
14/12/24 14:05	1	5	6	2	23.6	61	2.4	177	17
14/12/24 14:10	4	15	19	2	23.5	61	2.5	183	14
14/12/24 14:15	9	10	20	2	23.3	62	2.5	185	12
14/12/24 14:20	7	12	19	2	23.1	61	2.6	182	15
14/12/24 14:25	8	8	16	2	22.7	63	2.9	186	11
14/12/24 14:30	1	4	5	2	22.8	63	2.2	178	16
14/12/24 14:35	3	8	11	2	23.0	62	2.3	180	17
14/12/24 14:40	4	9	12	2	23.0	62	2.5	175	17
14/12/24 14:45	7	19	26	2	23.1	63	2.6	181	15
14/12/24 14:50	11	13	24	2	23.1	62	2.8	182	17
14/12/24 14:55	14	14	27	2	23.0	63	2.7	185	12
14/12/24 15:00	10	16	26	2	22.8	63	3.1	184	12
14/12/24 15:05	5	10	15	2	22.6	66	3.7	189	9
14/12/24 15:10	4	10	14	2	22.2	67	4.3	188	8
14/12/24 15:15	4	9	13	2	22.2	66	4.5	187	9
14/12/24 15:20	5	12	17	2	22.4	68	3.2	187	12
14/12/24 15:25	7	11	18	2	22.3	67	4.3	188	7
14/12/24 15:30	1	4	5	2	22.1	68	4.0	188	10
14/12/24 15:35	1	4	5	2	22.1	67	3.8	188	7
14/12/24 15:40	8	19	27	2	22.3	65	3.0	185	10
14/12/24 15:45	9	13	22	2	22.6	64	3.1	186	9
14/12/24 15:50	4	9	13	2	22.5	66	3.7	185	9
14/12/24 15:55	5	13	18	2	22.4	66	3.8	186	10
14/12/24 16:00	6	15	22	2	22.5	65	4.2	185	9
14/12/24 16:05	4	10	14	2	22.4	65	4.1	186	9
14/12/24 16:10	2	3	5	2	22.4	68	5.4	189	6
14/12/24 16:15	0	2	2	2	22.2	67	4.9	188	8
14/12/24 16:20	0	3	3	2	22.3	68	5.3	188	6
14/12/24 16:25	0	3	3	2	22.1	66	4.3	185	10
14/12/24 16:30	5	23	29	2	22.3	64	3.9	182	12
14/12/24 16:35	21	24	46	2	22.4	66	4.1	182	11
14/12/24 16:40	22	23	45	2	22.4	66	4.1	182	11
14/12/24 16:45	31	23	53	2	22.5	64	4.7	182	10
14/12/24 16:50	39	27	66	2	22.4	63	4.3	182	9
14/12/24 16:55	15	17	32	2	22.4	67	3.5	177	17
14/12/24 17:00	3	5	8	2	22.6	68	3.5	165	21

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
14/12/24 17:05	4	9	13	2	22.6	68	3.5	175	15
14/12/24 17:10	5	9	15	2	22.5	69	3.6	167	18
14/12/24 17:15	4	8	13	2	22.6	68	3.7	177	14
14/12/24 17:20	15	18	33	2	22.4	66	4.2	179	14
14/12/24 17:25	15	13	28	2	22.4	66	3.7	175	15
14/12/24 17:30	6	6	12	2	22.3	67	3.7	161	17
14/12/24 17:35	1	4	5	2	22.3	67	3.4	167	20
14/12/24 17:40	2	5	7	2	22.4	67	3.4	172	19
14/12/24 17:45	3	5	7	2	22.5	66	3.0	163	21
14/12/24 17:50	1	2	3	2	22.6	66	3.1	166	19
14/12/24 17:55	1	2	3	2	22.5	65	3.1	160	20
14/12/24 18:00	1	2	3	2	22.5	66	3.1	162	21
14/12/24 18:05	1	3	3	2	22.4	65	3.3	160	19
14/12/24 18:10	1	3	3	2	22.3	64	2.9	173	16
14/12/24 18:15	1	4	5	2	22.2	63	3.0	179	13
14/12/24 18:20	17	22	39	2	22.2	65	3.7	182	11
14/12/24 18:25	17	14	32	2	22.0	68	3.3	182	14
14/12/24 18:30	18	15	34	2	22.0	68	3.1	182	13
14/12/24 18:35	15	15	30	2	21.9	68	3.0	177	12
14/12/24 18:40	7	9	16	2	21.9	68	2.6	177	15
14/12/24 18:45	10	13	23	2	21.7	68	3.1	181	12
14/12/24 18:50	16	17	33	2	21.7	68	3.3	181	12
14/12/24 18:55	14	16	30	2	21.7	67	3.0	182	14
14/12/24 19:00	10	13	23	2	21.8	67	2.6	178	16
14/12/24 19:05	4	9	13	2	21.8	67	2.6	185	11
14/12/24 19:10	4	7	12	2	21.8	65	3.7	187	8
14/12/24 19:15	3	4	7	2	21.8	67	4.3	188	8
14/12/24 19:20	7	10	17	2	21.6	66	3.9	187	10
14/12/24 19:25	4	6	10	2	21.5	66	4.9	185	8
14/12/24 19:30	18	15	33	2	21.2	67	4.7	185	8
14/12/24 19:35	12	10	22	2	21.0	67	3.9	182	13
14/12/24 19:40	14	16	30	2	20.8	69	3.2	182	15
14/12/24 19:45	13	10	24	2	20.6	71	4.7	184	11
14/12/24 19:50	17	12	30	2	20.4	72	3.4	178	14
14/12/24 19:55	7	8	14	2	20.4	73	3.5	175	14
14/12/24 20:00	7	9	16	2	20.3	74	3.3	173	19
14/12/24 20:05	7	9	16	2	20.2	74	2.8	169	20
14/12/24 20:10	1	1	2	2	20.0	73	2.5	160	25
14/12/24 20:15	1	1	2	2	20.0	74	3.0	166	19
14/12/24 20:20	2	2	4	2	20.0	74	3.1	165	22
14/12/24 20:25	2	5	6	2	19.9	73	3.1	160	21
14/12/24 20:30	2	2	4	2	19.9	73	3.3	158	22
14/12/24 20:35	1	1	2	2	19.6	72	3.2	144	21
14/12/24 20:40	1	1	2	2	19.4	73	4.1	134	13
14/12/24 20:45	1	1	1	2	19.3	73	2.7	125	19
14/12/24 20:50	0	1	1	2	19.1	72	3.1	126	14
14/12/24 20:55	0	1	1	2	19.1	72	2.1	141	24
14/12/24 21:00	0	1	1	2	19.2	74	1.8	155	26
14/12/24 21:05	0	1	1	2	19.2	73	2.0	150	20
14/12/24 21:10	0	1	1	2	19.1	72	1.5	157	27
14/12/24 21:15	0	1	1	2	19.1	73	1.7	170	19
14/12/24 21:20	0	1	1	2	19.2	73	1.6	165	24
14/12/24 21:25	0	1	2	2	19.1	72	1.7	148	27
14/12/24 21:30	0	1	2	2	19.2	74	2.3	171	17
14/12/24 21:35	0	2	2	2	19.1	73	2.5	166	18
14/12/24 21:40	0	2	2	2	19.1	74	2.2	159	21
14/12/24 21:45	0	2	2	2	19.2	75	2.4	161	23
14/12/24 21:50	0	1	2	2	19.1	76	2.4	155	30
14/12/24 21:55	0	2	2	3	18.8	74	3.1	118	16
14/12/24 22:00	0	2	2	2	18.7	74	3.0	119	21
14/12/24 22:05	0	2	2	2	18.6	76	2.6	116	19
14/12/24 22:10	0	2	2	3	18.5	75	2.9	118	19
14/12/24 22:15	0	1	2	3	18.4	75	3.0	113	15
14/12/24 22:20	0	1	2	2	18.5	77	4.0	106	10
14/12/24 22:25	0	1	1	2	18.4	76	3.9	104	8
14/12/24 22:30	0	1	1	2	18.3	76	3.2	108	14
14/12/24 22:35	0	1	1	2	18.2	76	3.1	107	15
14/12/24 22:40	0	1	1	2	18.3	76	4.0	104	9
14/12/24 22:45	0	1	1	2	18.2	76	2.4	105	15
14/12/24 22:50	0	2	2	2	18.1	76	2.6	102	11
14/12/24 22:55	0	2	2	2	18.0	76	2.9	117	17
14/12/24 23:00	0	2	2	2	18.0	76	2.2	123	21
14/12/24 23:05	0	2	2	2	17.9	76	2.2	113	17
14/12/24 23:10	0	2	2	2	17.9	76	2.5	122	16
14/12/24 23:15	0	2	2	2	17.9	78	2.3	129	27
14/12/24 23:20	0	2	2	2	17.9	77	2.2	127	26
14/12/24 23:25	0	2	2	2	17.8	77	2.2	138	24
14/12/24 23:30	0	2	2	2	17.8	77	2.7	135	21
14/12/24 23:35	0	2	2	2	17.9	79	1.9	162	21
14/12/24 23:40	0	2	2	2	17.8	78	1.9	150	23
14/12/24 23:45	0	2	2	2	17.9	79	1.6	161	25
14/12/24 23:50	0	2	2		17.7	77	2.7	142	19
14/12/24 23:55	0	2	2		17.8	77	2.9	135	17
15/12/24 00:00	0	2	2	2	17.8	77	2.7	138	16

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
15/12/24 00:05	0	2	2	2	17.8	77	2.6	127	20
15/12/24 00:10	0	2	2	2	17.9	77	2.1	93	17
15/12/24 00:15	0	2	2	2	17.6	76	2.7	85	9
15/12/24 00:20	0	2	2	2	17.4	75	2.7	85	8
15/12/24 00:25	0	2	2	2	17.2	76	2.9	87	4
15/12/24 00:30	0	2	2	2	17.1	76	2.9	87	6
15/12/24 00:35	0	2	2	2	17.1	76	2.1	85	8
15/12/24 00:40	0	2	2	2	17.0	76	1.9	81	10
15/12/24 00:45	0	2	2	2	16.9	77	1.7	81	11
15/12/24 00:50	0	2	3	2	16.8	77	2.1	81	9
15/12/24 00:55	0	3	3	2	16.8	77	2.1	84	8
15/12/24 01:00	0	3	3	2	16.7	77	1.9	79	11
15/12/24 01:05					16.8	76	2.4	84	7
15/12/24 01:10					16.8	76	2.8	85	7
15/12/24 01:15					16.8	76	2.6	93	14
15/12/24 01:20					17.1	78	2.6	101	16
15/12/24 01:25					17.1	78	2.4	99	14
15/12/24 01:30					17.1	78	2.8	105	15
15/12/24 01:35					17.1	78	3.0	109	11
15/12/24 01:40					17.2	78	3.4	106	12
15/12/24 01:45					17.3	78	2.8	108	14
15/12/24 01:50					17.3	79	3.6	103	8
15/12/24 01:55					17.3	79	3.5	101	10
15/12/24 02:00					17.3	79	4.0	103	8
15/12/24 02:05	0	1	1	2	17.3	78	3.0	110	13
15/12/24 02:10	0	1	1	2	17.2	78	3.4	106	11
15/12/24 02:15	0	1	1	2	17.3	78	3.5	107	8
15/12/24 02:20	0	1	1	2	17.3	78	2.9	105	9
15/12/24 02:25	0	1	1	2	17.1	78	1.8	108	16
15/12/24 02:30	0	1	1	1	17.1	77	2.6	100	8
15/12/24 02:35	0	1	1	1	17.0	78	2.1	95	10
15/12/24 02:40	0	1	1	1	16.9	76	1.8	84	17
15/12/24 02:45	0	1	1	1	16.7	77	2.0	92	12
15/12/24 02:50	0	1	1	2	16.6	76	1.9	81	15
15/12/24 02:55	0	2	2	2	16.6	77	2.0	102	15
15/12/24 03:00	0	2	2	2	16.6	76	2.3	88	6
15/12/24 03:05	0	2	2	2	16.5	76	1.9	85	9
15/12/24 03:10	0	2	2	2	16.3	76	1.7	64	12
15/12/24 03:15	0	2	2	2	16.4	76	1.4	66	14
15/12/24 03:20	0	2	2	2	16.3	76	1.3	45	15
15/12/24 03:25	1	3	4	1	16.0	76	1.6	42	6
15/12/24 03:30	0	4	4	1	15.9	77	1.6	53	14
15/12/24 03:35	0	4	5	2	15.8	78	1.7	60	12
15/12/24 03:40	0	4	5	1	15.9	78	1.5	68	13
15/12/24 03:45	0	4	4	1	16.0	78	1.1	51	13
15/12/24 03:50	0	4	4	1	15.9	78	1.3	40	6
15/12/24 03:55	0	4	4	1	15.9	78	1.2	46	7
15/12/24 04:00	0	4	4	1	15.8	79	1.0	60	12
15/12/24 04:05	0	4	4	2	15.8	79	1.1	62	10
15/12/24 04:10	0	4	4	2	15.8	80	1.3	68	10
15/12/24 04:15	0	3	3	1	15.9	80	1.2	60	13
15/12/24 04:20	0	3	3	1	15.8	80	1.1	55	10
15/12/24 04:25	0	4	4	1	15.8	80	1.2	44	8
15/12/24 04:30	0	4	4	1	15.8	80	1.3	46	5
15/12/24 04:35	0	4	4	1	15.7	80	1.2	39	4
15/12/24 04:40	0	4	4	1	15.7	80	1.2	42	5
15/12/24 04:45	0	4	4	1	15.7	80	1.3	41	3
15/12/24 04:50	0	4	5	1	15.5	81	1.3	47	6
15/12/24 04:55	0	5	5	2	15.6	81	1.1	54	7
15/12/24 05:00	0	5	6	1	15.7	80	1.1	40	9
15/12/24 05:05	0	6	7	1	15.7	80	1.3	26	7
15/12/24 05:10	1	7	8	1	15.6	80	1.4	27	6
15/12/24 05:15	1	7	8	1	15.7	81	1.5	32	6
15/12/24 05:20	1	7	8	1	15.8	80	1.5	29	5
15/12/24 05:25	1	7	8	1	16.0	79	1.0	28	7
15/12/24 05:30	1	7	8	1	16.2	78	0.8	20	9
15/12/24 05:35	1	8	10	2	16.5	77	0.7	5	18
15/12/24 05:40	3	11	14	2	16.8	76	0.5	340	19
15/12/24 05:45	16	19	35	2	16.9	76	0.8	314	15
15/12/24 05:50	20	17	37	2	16.9	76	0.9	316	10
15/12/24 05:55	20	17	37	2	16.9	77	0.7	347	31
15/12/24 06:00	19	16	35	2	17.2	75	1.0	51	18
15/12/24 06:05	12	13	24	2	17.6	73	1.2	65	19
15/12/24 06:10	8	9	17	2	17.7	73	1.6	79	10
15/12/24 06:15	3	6	9	2	17.8	74	1.7	82	12
15/12/24 06:20	3	6	9	2	17.9	74	1.4	96	16
15/12/24 06:25	3	5	8	2	18.2	72	1.4	99	17
15/12/24 06:30	3	5	8	2	18.4	73	1.4	117	17
15/12/24 06:35	2	5	8	2	18.3	73	1.7	111	14
15/12/24 06:40	2	5	7	2	18.2	74	2.0	112	11
15/12/24 06:45	2	5	7	2	17.9	74	1.9	105	10
15/12/24 06:50	2	5	7	2	17.9	74	1.2	123	20
15/12/24 06:55	2	5	7	2	18.0	74	1.5	109	15
15/12/24 07:00	2	5	7	2	18.2	72	1.3	112	15

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
15/12/24 07:05	2	5	7	2	18.6	71	0.8	121	27
15/12/24 07:10	2	4	7	2	18.9	70	0.9	134	22
15/12/24 07:15	2	4	6	2	19.3	68	0.9	124	26
15/12/24 07:20	2	4	6	2	19.5	67	0.8	129	21
15/12/24 07:25	2	4	6	2	19.5	68	0.6	176	44
15/12/24 07:30	2	4	6	2	19.0	71	1.1	205	16
15/12/24 07:35	2	4	7	2	18.9	72	1.2	207	15
15/12/24 07:40	4	7	11	2	18.5	72	1.3	208	10
15/12/24 07:45	5	5	9	2	18.4	73	1.5	216	7
15/12/24 07:50	4	4	9	2	18.4	74	1.5	215	7
15/12/24 07:55	3	2	5	2	18.4	74	1.6	219	8
15/12/24 08:00	2	3	5	2	18.4	75	1.7	218	6
15/12/24 08:05	2	3	5	2	18.3	75	1.6	217	10
15/12/24 08:10	2	3	5	2	18.5	74	1.7	213	7
15/12/24 08:15	2	3	5	2	18.5	75	1.8	211	9
15/12/24 08:20	2	4	6	2	18.7	75	1.9	197	8
15/12/24 08:25	3	4	6	2	19.2	75	2.0	192	7
15/12/24 08:30	3	4	7	2	19.7	73	1.2	164	31
15/12/24 08:35	3	4	7	2	20.2	68	1.0	167	36
15/12/24 08:40	2	4	7	2	20.3	69	1.8	199	15
15/12/24 08:45	2	4	6	2	19.8	70	2.0	195	8
15/12/24 08:50	2	4	6	2	19.7	70	2.0	189	6
15/12/24 08:55	2	4	6	2	19.9	71	1.7	195	8
15/12/24 09:00	2	4	6	2	19.9	71	2.2	206	9
15/12/24 09:05	2	3	5	2	19.5	72	2.5	207	8
15/12/24 09:10	2	3	5	2	19.6	71	2.9	190	4
15/12/24 09:15	2	4	5	2	19.9	69	2.6	192	4
15/12/24 09:20	2	4	6	2	20.0	69	2.9	194	5
15/12/24 09:25	2	4	7	2	20.1	69	2.9	197	6
15/12/24 09:30	3	5	7	2	20.3	68	2.8	197	7
15/12/24 09:35	3	5	9	2	20.6	67	2.9	189	5
15/12/24 09:40	4	7	10	2	20.7	70	2.8	190	7
15/12/24 09:45	4	6	10	2	21.2	70	1.8	172	23
15/12/24 09:50	3	5	9	2	21.6	66	1.8	162	25
15/12/24 09:55	3	5	9	2	21.8	65	2.3	159	20
15/12/24 10:00	3	5	8	2	21.8	66	2.3	164	22
15/12/24 10:05	3	5	8	2	21.9	66	2.2	158	23
15/12/24 10:10	3	5	9	2	22.0	65	2.5	160	21
15/12/24 10:15	3	5	8	2	22.0	66	2.4	170	17
15/12/24 10:20	3	6	9	2	22.2	65	2.4	168	18
15/12/24 10:25	4	11	15	2	22.3	67	2.7	184	16
15/12/24 10:30	6	18	23	2	21.9	70	2.6	184	14
15/12/24 10:35	11	18	29	2	22.1	67	2.6	174	19
15/12/24 10:40	11	13	23	2	22.1	68	2.3	173	20
15/12/24 10:45	6	8	15	2	22.2	67	2.6	165	18
15/12/24 10:50	2	5	7	2	22.3	66	2.5	164	18
15/12/24 10:55	1	4	5	2	22.6	66	2.1	160	24
15/12/24 11:00	1	3	4	2	22.5	67	2.7	159	20
15/12/24 11:05	1	3	4	2	22.3	68	2.7	159	18
15/12/24 11:10	1	3	4	2	22.2	69	2.7	156	18
15/12/24 11:15	1	3	4	2	22.2	68	2.3	160	20
15/12/24 11:20	1	3	4	2	22.5	67	2.5	163	20
15/12/24 11:25	1	4	5	2	22.6	67	2.3	167	20
15/12/24 11:30	1	4	5	2	22.7	67	2.6	160	22
15/12/24 11:35	1	4	5	2	22.7	68	2.2	175	18
15/12/24 11:40	1	4	5	2	22.9	67	2.4	161	22
15/12/24 11:45	1	4	5	2	22.7	69	3.3	190	12
15/12/24 11:50	1	4	5	2	21.7	73	3.4	190	8
15/12/24 11:55	1	4	4	2	21.8	74	3.7	192	5
15/12/24 12:00	1	4	4	2	21.6	76	3.8	190	6
15/12/24 12:05	1	3	3	2	21.5	77	3.4	189	7
15/12/24 12:10	1	3	3	2	21.9	77	3.6	191	5
15/12/24 12:15	0	2	3	2	21.8	77	3.6	190	8
15/12/24 12:20	1	2	3	2	22.1	77	2.9	187	9
15/12/24 12:25	1	2	3	2	22.3	75	2.4	180	18
15/12/24 12:30	0	3	3	2	22.9	72	2.3	159	23
15/12/24 12:35	0	3	3	2	23.1	70	2.5	153	17
15/12/24 12:40	0	3	3	2	23.3	70	2.2	155	21
15/12/24 12:45	0	3	3	2	23.6	69	2.1	157	24
15/12/24 12:50	0	3	3	2	23.8	69	1.7	156	27
15/12/24 12:55	0	3	3	2	24.1	67	2.5	160	13
15/12/24 13:00	1	3	3	2	24.2	67	2.1	156	18
15/12/24 13:05	1	3	3	2	24.3	67	1.9	157	20
15/12/24 13:10	0	3	3	2	24.6	66	1.9	159	17
15/12/24 13:15	0	3	3	2	24.8	65	2.3	157	16
15/12/24 13:20	1	3	4	2	24.8	66	2.3	158	19
15/12/24 13:25	1	3	4	2	24.9	66	2.2	155	19
15/12/24 13:30	1	4	5	2	25.1	66	2.1	154	20
15/12/24 13:35	1	3	4	2	25.2	66	2.5	159	17
15/12/24 13:40	1	3	3	2	25.4	67	1.7	161	25
15/12/24 13:45	1	4	5	2	25.8	65	2.0	167	19
15/12/24 13:50	2	8	10	2	25.9	65	1.9	173	27
15/12/24 13:55	2	8	10	2	26.0	64	2.2	173	23
15/12/24 14:00	2	5	7	2	26.0	64	2.3	165	23

Station Pier Ambient Air Quality Monitoring
December 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 (°)
15/12/24 14:05	2	7	9	2	26.4	63	2.6	173	21
15/12/24 14:10	2	10	12	2	26.5	62	3.0	175	16
15/12/24 14:15	3	12	15	2	26.6	62	2.8	174	19
15/12/24 14:20	4	15	19	2	26.4	64	3.2	174	17
15/12/24 14:25	5	20	25	2	26.2	66	3.4	175	16
15/12/24 14:30	6	13	19	2	26.0	66	3.2	175	18
15/12/24 14:35	4	9	13	2	26.1	67	3.2	173	18
15/12/24 14:40	4	12	16	2	26.3	66	3.3	174	17
15/12/24 14:45	4	8	12	2	26.3	66	3.0	170	16
15/12/24 14:50	3	6	9	2	26.4	67	2.9	174	18
15/12/24 14:55	3	5	8	2	26.3	67	3.1	171	18
15/12/24 15:00	3	5	8	2	26.4	66	3.3	167	18
15/12/24 15:05	2	5	8	2	26.4	67	3.1	176	17
15/12/24 15:10	3	6	9	2	26.5	66	2.9	174	15
15/12/24 15:15	2	7	9	2	26.8	65	3.1	173	20
15/12/24 15:20	3	10	12	2	26.7	64	3.2	175	17
15/12/24 15:25	7	29	36	2	26.8	65	3.3	185	12
15/12/24 15:30	17	27	44	2	26.7	66	3.6	183	13
15/12/24 15:35	16	25	41	2	26.3	67	3.3	182	13
15/12/24 15:40	15	23	38	2	26.4	66	3.7	180	13
15/12/24 15:45	19	26	45	2	26.2	67	3.7	181	16
15/12/24 15:50	17	17	34	2	25.8	69	4.3	185	13
15/12/24 15:55	7	10	17	2	25.6	70	3.8	185	10
15/12/24 16:00	13	18	31	2	25.8	69	3.4	183	11
15/12/24 16:05	17	26	43	2	26.1	67	3.8	181	13
15/12/24 16:10	15	23	37	2	26.2	67	3.5	187	11
15/12/24 16:15	10	17	27	2	26.2	68	3.8	186	11
15/12/24 16:20	20	25	44	2	26.1	66	3.9	186	10
15/12/24 16:25	10	13	22	2	26.2	68	4.3	188	8
15/12/24 16:30	1	3	4	2	25.4	73	5.4	193	5
15/12/24 16:35	1	5	6	2	25.4	73	4.6	189	9
15/12/24 16:40	2	8	10	2	25.8	71	4.5	188	10
15/12/24 16:45	6	26	32	2	26.2	68	3.8	186	12
15/12/24 16:50	11	20	32	2	26.8	63	4.2	179	16
15/12/24 16:55	6	8	15	2	26.9	63	3.8	177	17
15/12/24 17:00	2	7	8	2	27.2	63	3.7	171	18
15/12/24 17:05	1	5	5	2	27.3	62	3.8	158	20
15/12/24 17:10	1	4	5	3	27.3	61	4.2	158	20
15/12/24 17:15	1	4	5	3	27.3	60	3.4	162	22
15/12/24 17:20	1	3	4	3	27.3	59	3.9	158	20
15/12/24 17:25	1	3	4	2	27.4	59	3.6	161	21
15/12/24 17:30	1	3	4	2	27.2	59	3.6	157	23
15/12/24 17:35	0	3	3	2	27.3	60	3.5	160	22
15/12/24 17:40	0	3	3	3	27.2	60	3.4	156	23
15/12/24 17:45	0	3	4	3	27.3	61	3.7	158	20
15/12/24 17:50	0	3	3	2	27.3	62	2.9	158	26
15/12/24 17:55	1	3	3	2	27.1	63	2.7	162	31
15/12/24 18:00	0	3	3	2	27.1	64	2.4	159	30
15/12/24 18:05	0	3	3	2	27.1	64	1.9	156	32
15/12/24 18:10	0	3	3	2	27.2	65	1.2	173	52
15/12/24 18:15	0	3	3	2	27.3	64	1.9	160	34
15/12/24 18:20	0	3	3	2	27.3	65	1.3	165	46
15/12/24 18:25	0	3	3	2	27.2	64	2.2	145	31
15/12/24 18:30	0	3	3	2	27.1	64	2.6	142	21
15/12/24 18:35	0	3	3	2	27.3	64	1.4	146	38
15/12/24 18:40	0	3	3	2	27.7	63	1.7	164	28
15/12/24 18:45	0	3	3	2	27.7	63	1.5	172	30
15/12/24 18:50	0	3	4	2	27.4	67	2.6	182	16
15/12/24 18:55	0	4	4	2	26.7	70	2.3	180	18
15/12/24 19:00	0	4	5	2	26.6	69	2.2	182	17
15/12/24 19:05	0	5	5	2	26.3	72	3.4	190	9
15/12/24 19:10	1	5	6	2	26.0	74	3.5	189	9
15/12/24 19:15	2	17	19	2	25.7	74	3.0	183	15
15/12/24 19:20	5	19	24	2	25.8	74	2.5	186	13
15/12/24 19:25	3	5	7	2	25.4	78	3.9	195	4
15/12/24 19:30	1	3	4	2	24.8	82	4.4	194	3
15/12/24 19:35	1	3	3	2	24.6	81	4.0	190	8
15/12/24 19:40	1	5	7	2	24.8	80	3.5	193	8
15/12/24 19:45	1	1	2	2	24.7	83	4.1	197	3
15/12/24 19:50	0	2	2	2	24.4	84	3.9	196	3
15/12/24 19:55	0	2	2	2	24.5	84	4.1	200	3
15/12/24 20:00	0	3	3	2	24.3	84	4.0	205	3
15/12/24 20:05	0	3	3	2	24.4	84	4.2	203	3
15/12/24 20:10	0	4	4	2	24.4	83	4.1	206	4
15/12/24 20:15	0	5	5	2	24.5	83	3.8	217	4
15/12/24 20:20	0	5	5	2	24.4	83	3.7	223	5
15/12/24 20:25	0	4	4	2	24.2	84	3.2	221	4
15/12/24 20:30	0	4	4	2	24.2	84	2.9	229	10
15/12/24 20:35	0	4	3	2	24.3	84	2.2	252	11
15/12/24 20:40	0	3	3	2	24.2	83	1.8	246	11
15/12/24 20:45	0	3	3	2	24.2	83	1.9	249	10
15/12/24 20:50	0	3	3	2	24.3	83	2.5	246	5
15/12/24 20:55	0	4	4	2	24.3	83	2.5	245	8
15/12/24 21:00	0	5	5	2	24.4	81	2.4	248	8

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
15/12/24 21:05	0	12	12	2	24.4	81	2.0	254	9
15/12/24 21:10	0	18	18	2	24.5	82	1.9	258	10
15/12/24 21:15	0	17	18	2	24.4	82	1.7	259	11
15/12/24 21:20	0	18	18	2	24.3	82	1.9	282	11
15/12/24 21:25	0	16	16	2	24.2	82	2.1	284	13
15/12/24 21:30	0	18	19	2	24.2	81	2.3	287	11
15/12/24 21:35	0	16	17	2	24.2	80	2.1	293	11
15/12/24 21:40	1	21	22	2	24.1	80	1.9	286	16
15/12/24 21:45	1	17	18	2	24.1	80	2.0	282	16
15/12/24 21:50	0	12	13	2	24.1	79	2.4	285	11
15/12/24 21:55	0	11	11	2	24.0	79	2.5	284	11
15/12/24 22:00	0	10	10	2	24.0	78	2.0	289	15
15/12/24 22:05	0	10	10	2	23.9	78	2.1	281	14
15/12/24 22:10	0	10	10	2	23.9	77	2.5	284	13
15/12/24 22:15	0	11	12	2	24.0	77	2.4	283	14
15/12/24 22:20	0	12	12	2	23.9	77	2.7	283	14
15/12/24 22:25	0	12	12	2	23.9	77	2.2	274	16
15/12/24 22:30	0	13	13	2	23.8	77	2.4	279	13
15/12/24 22:35	0	13	13	2	23.6	77	2.7	273	15
15/12/24 22:40	0	11	11	2	23.5	77	2.4	268	10
15/12/24 22:45	0	11	11	2	23.6	78	1.8	272	15
15/12/24 22:50	1	14	14	2	23.5	77	1.8	274	16
15/12/24 22:55	1	19	19	2	23.5	77	1.5	276	16
15/12/24 23:00	1	20	20	2	23.4	76	2.4	278	12
15/12/24 23:05	1	16	16	2	23.3	77	2.3	280	17
15/12/24 23:10	1	9	9	2	23.0	77	2.0	280	12
15/12/24 23:15	0	10	10	2	22.9	76	1.5	280	15
15/12/24 23:20	0	14	14	2	22.7	76	1.4	282	12
15/12/24 23:25	0	14	15	2	22.7	76	1.6	296	13
15/12/24 23:30	0	13	13	2	22.7	75	1.4	294	12
15/12/24 23:35	0	13	13	2	22.5	75	1.2	299	13
15/12/24 23:40	0	13	13	2	22.6	75	1.4	303	11
15/12/24 23:45	0	13	13	2	22.5	76	1.2	292	14
15/12/24 23:50	0	12	13		22.5	76	1.2	298	12
15/12/24 23:55	0	13	13		22.4	76	1.1	304	15
16/12/24 00:00	0	13	13	2	22.3	77	0.8	287	17
16/12/24 00:05	0	13	13	2	22.4	76	1.2	291	13
16/12/24 00:10	0	13	14	2	22.4	77	0.9	299	17
16/12/24 00:15	0	14	14	2	22.3	76	0.5	320	13
16/12/24 00:20	0	14	14	2	22.2	77	0.8	308	10
16/12/24 00:25	0	13	14	2	22.2	77	0.6	321	14
16/12/24 00:30	0	13	13	1	22.1	77	0.6	323	21
16/12/24 00:35	0	13	13	1	22.1	77	0.5	343	19
16/12/24 00:40	0	13	13	2	22.1	77	0.4	336	33
16/12/24 00:45	0	13	14	2	22.1	77	0.4	358	20
16/12/24 00:50	0	14	14	2	22.1	77	0.3	332	35
16/12/24 00:55	0	14	14	2	22.0	77	0.2	22	37
16/12/24 01:00	0	14	14	2	22.1	77	0.3	34	26
16/12/24 01:05					22.0	78	0.2	314	42
16/12/24 01:10					22.0	78	0.5	293	8
16/12/24 01:15					22.1	78	0.8	303	8
16/12/24 01:20					22.0	77	0.6	297	19
16/12/24 01:25					22.2	77	0.9	14	14
16/12/24 01:30					22.1	77	1.3	32	10
16/12/24 01:35					22.0	77	1.0	45	11
16/12/24 01:40					22.1	77	0.8	53	13
16/12/24 01:45					21.9	77	1.0	57	10
16/12/24 01:50					22.0	78	1.1	47	10
16/12/24 01:55					21.9	78	1.3	40	6
16/12/24 02:00					21.9	78	1.2	58	13
16/12/24 02:05	0	17	17	2	22.0	78	1.0	67	10
16/12/24 02:10	0	17	17	2	22.0	78	0.4	69	45
16/12/24 02:15	0	17	17	2	22.2	78	0.2	302	47
16/12/24 02:20	0	17	18	2	22.1	78	0.3	306	35
16/12/24 02:25	0	17	18	2	22.2	80	0.6	256	5
16/12/24 02:30	0	17	17	2	22.2	82	0.4	242	22
16/12/24 02:35	0	17	17	2	22.1	82	0.3	213	23
16/12/24 02:40	0	16	17	2	22.0	81	0.1	96	80
16/12/24 02:45	0	16	17	2	22.1	81	0.5	93	10
16/12/24 02:50	0	16	17	2	22.1	80	0.6	78	19
16/12/24 02:55	0	17	17	2	22.2	79	0.9	37	11
16/12/24 03:00	1	17	17	2	22.1	78	0.7	10	7
16/12/24 03:05	1	17	18	2	22.1	78	0.7	30	9
16/12/24 03:10	1	17	18	2	22.1	78	0.9	35	5
16/12/24 03:15	1	17	17	2	22.0	79	1.1	60	14
16/12/24 03:20	1	17	17	2	21.9	79	1.2	70	7
16/12/24 03:25	2	17	18	1	21.7	79	0.5	91	16
16/12/24 03:30	1	17	18	2	21.8	79	0.3	57	32
16/12/24 03:35	1	17	17	2	21.8	78	0.2	69	29
16/12/24 03:40	1	17	17	2	22.0	78	0.5	82	20
16/12/24 03:45	8	17	25	2	22.0	76	0.6	34	12
16/12/24 03:50	5	19	23	2	22.1	73	1.4	40	9
16/12/24 03:55	1	16	17	2	22.3	72	1.5	51	10
16/12/24 04:00	1	16	17	2	22.3	72	1.4	58	9

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
16/12/24 04:05	1	16	17	2	22.3	70	1.2	55	12
16/12/24 04:10	1	16	17	2	22.5	69	1.4	54	7
16/12/24 04:15	1	16	16	2	22.5	68	1.5	65	8
16/12/24 04:20	1	16	16	2	22.6	67	1.1	48	17
16/12/24 04:25	1	16	16	2	22.6	67	0.4	15	27
16/12/24 04:30	1	16	17	2	22.6	67	0.6	84	14
16/12/24 04:35	1	16	17	2	22.6	67	0.3	107	29
16/12/24 04:40	1	16	16	2	22.7	67	0.3	99	33
16/12/24 04:45	3	17	20	2	22.6	68	0.3	62	16
16/12/24 04:50	2	18	20	2	22.5	68	0.1	65	83
16/12/24 04:55	1	18	19	2	22.6	72	0.6	223	27
16/12/24 05:00	1	18	18	2	22.7	74	0.5	125	52
16/12/24 05:05	1	18	19	2	22.9	69	1.2	72	17
16/12/24 05:10	1	18	19	2	23.0	66	1.7	81	7
16/12/24 05:15	1	19	21	2	23.3	62	1.6	73	13
16/12/24 05:20	3	23	26	2	23.6	62	1.4	85	8
16/12/24 05:25	5	27	32	2	24.0	59	1.4	55	17
16/12/24 05:30	10	25	34	2	24.3	58	1.0	56	15
16/12/24 05:35	12	26	37	2	24.6	57	0.9	39	24
16/12/24 05:40	13	29	42	2	25.3	53	1.8	38	24
16/12/24 05:45	11	24	35	2	26.1	49	2.2	42	16
16/12/24 05:50	6	23	29	2	26.8	45	2.6	27	18
16/12/24 05:55	3	20	23	2	27.6	41	3.6	25	18
16/12/24 06:00	3	19	21	2	28.3	39	2.5	23	24
16/12/24 06:05	3	18	21	2	28.5	39	2.5	7	23
16/12/24 06:10	2	18	21	2	28.4	39	3.1	6	18
16/12/24 06:15	3	19	21	2	28.3	39	2.7	14	22
16/12/24 06:20	3	19	22	2	28.3	40	2.5	17	21
16/12/24 06:25	3	20	24	2	28.3	40	3.1	24	23
16/12/24 06:30	4	22	26	2	28.2	42	3.0	23	20
16/12/24 06:35	4	23	27	2	28.1	42	2.5	18	17
16/12/24 06:40	4	23	27	2	28.1	42	2.6	11	26
16/12/24 06:45	4	23	27	2	28.5	40	3.8	25	15
16/12/24 06:50	4	22	26	2	28.8	39	4.1	21	20
16/12/24 06:55	4	21	25	2	29.0	38	3.6	354	21
16/12/24 07:00	4	20	24	2	29.1	38	3.6	8	23
16/12/24 07:05	4	20	25	2	29.1	39	3.8	15	20
16/12/24 07:10	5	21	26	2	29.1	39	3.8	10	26
16/12/24 07:15	6	21	27	2	29.1	39	3.5	359	22
16/12/24 07:20	7	21	28	2	29.2	40	3.6	5	16
16/12/24 07:25	7	21	29	2	29.6	39	2.7	7	30
16/12/24 07:30	7	21	29	2	29.8	38	3.9	12	17
16/12/24 07:35	7	21	28	2	29.8	38	3.5	14	20
16/12/24 07:40	7	20	27	2	29.9	38	3.9	11	18
16/12/24 07:45	6	19	25	2	30.4	37	4.4	356	18
16/12/24 07:50	6	17	23	2	30.8	37	3.1	3	26
16/12/24 07:55	6	16	21	2	31.0	36	3.6	0	25
16/12/24 08:00	5	13	18	2	31.4	35	3.6	13	20
16/12/24 08:05	5	12	17	2	31.9	35	4.2	6	22
16/12/24 08:10	3	11	14	2	31.8	35	3.1	6	23
16/12/24 08:15	3	12	14	1	31.9	35	4.2	9	19
16/12/24 08:20	3	14	18	1	32.2	34	3.8	14	22
16/12/24 08:25	4	12	15	2	32.7	34	3.2	7	23
16/12/24 08:30	5	12	17	2	33.4	33	3.1	359	27
16/12/24 08:35	5	12	17	2	33.6	32	3.9	349	28
16/12/24 08:40	4	7	10	2	33.6	31	6.0	355	16
16/12/24 08:45	2	6	8	2	33.5	31	4.5	2	21
16/12/24 08:50	2	8	10	2	33.7	31	4.0	0	28
16/12/24 08:55	2	8	11	2	34.0	31	4.2	350	29
16/12/24 09:00	2	8	10	2	33.8	31	4.4	356	25
16/12/24 09:05	2	7	9	2	33.7	31	4.8	355	27
16/12/24 09:10	2	8	10	2	33.9	31	4.9	353	21
16/12/24 09:15	2	8	10	2	33.7	32	4.6	345	22
16/12/24 09:20	2	9	11	2	33.7	32	4.5	1	25
16/12/24 09:25	2	9	11	2	33.6	32	3.7	358	26
16/12/24 09:30	2	9	11	2	33.9	32	3.5	2	27
16/12/24 09:35	2	9	11	2	33.9	33	2.8	23	25
16/12/24 09:40	2	9	12	2	34.1	33	3.0	350	25
16/12/24 09:45	3	10	13	2	33.9	33	4.4	3	28
16/12/24 09:50	3	11	14	2	34.1	32	4.0	352	28
16/12/24 09:55	3	6	9	2	34.1	32	5.0	357	17
16/12/24 10:00	2	7	9	2	33.8	33	4.8	5	28
16/12/24 10:05	2	7	9	2	33.5	34	5.3	8	22
16/12/24 10:10	2	7	9	2	33.3	34	5.8	12	20
16/12/24 10:15	2	7	9	2	33.2	35	3.6	352	32
16/12/24 10:20	2	7	9	2	33.2	34	3.9	356	28
16/12/24 10:25	2	8	9	2	33.3	34	5.9	359	21
16/12/24 10:30	1	8	9	2	33.6	34	4.2	6	29
16/12/24 10:35	1	8	9	2	34.0	33	4.5	4	24
16/12/24 10:40	1	8	10	2	33.8	34	4.6	4	26
16/12/24 10:45	1	8	9	2	33.7	34	4.5	8	27
16/12/24 10:50	1	8	9	2	33.6	34	5.2	11	25
16/12/24 10:55	1	8	9	2	33.5	35	4.3	3	19
16/12/24 11:00	1	9	10	2	33.6	35	3.9	9	25

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
16/12/24 11:05	1	9	10	2	33.8	34	4.8	10	26
16/12/24 11:10	1	8	10	2	34.2	33	4.1	7	28
16/12/24 11:15	1	8	9	2	34.3	33	4.3	14	23
16/12/24 11:20	1	8	10	2	34.2	33	3.6	356	26
16/12/24 11:25	1	8	10	2	34.1	33	4.5	359	18
16/12/24 11:30	2	9	11	2	34.1	33	4.3	349	29
16/12/24 11:35	1	9	10	2	34.2	33	4.4	352	21
16/12/24 11:40	1	9	11	2	34.5	33	4.5	356	21
16/12/24 11:45	1	10	11	2	34.7	32	4.2	0	23
16/12/24 11:50	1	11	12	2	34.9	32	3.9	14	30
16/12/24 11:55	2	12	14	2	35.2	30	5.0	3	25
16/12/24 12:00	2	13	15	2	35.4	30	3.4	4	30
16/12/24 12:05	2	13	15	2	35.4	30	4.1	11	20
16/12/24 12:10	4	14	17	2	35.3	31	4.0	4	24
16/12/24 12:15	2	15	17	2	35.3	31	4.8	358	25
16/12/24 12:20	9	21	31	2	35.4	31	3.4	5	25
16/12/24 12:25	3	13	15	2	35.5	31	4.6	10	22
16/12/24 12:30	2	9	11	2	35.5	31	3.7	2	28
16/12/24 12:35	2	10	12	2	35.5	31	4.7	359	21
16/12/24 12:40	2	10	12	2	35.7	31	3.4	358	21
16/12/24 12:45	2	10	12	2	35.8	31	4.1	15	24
16/12/24 12:50	2	10	11	2	35.9	31	3.9	7	20
16/12/24 12:55	1	10	11	2	35.8	31	4.0	357	23
16/12/24 13:00	1	10	11	2	36.1	31	3.7	5	25
16/12/24 13:05	2	10	12	2	36.5	30	4.6	359	21
16/12/24 13:10	1	10	12	2	36.5	30	5.0	1	22
16/12/24 13:15	1	11	12	2	36.6	30	4.1	358	24
16/12/24 13:20	2	12	13	2	36.7	30	4.8	356	19
16/12/24 13:25	1	11	13	2	36.8	29	4.4	359	24
16/12/24 13:30	2	11	13	2	37.0	29	5.2	359	17
16/12/24 13:35	2	11	13	2	37.5	28	5.1	358	21
16/12/24 13:40	2	11	13	2	37.8	28	4.9	4	20
16/12/24 13:45	2	11	13	2	38.4	27	4.5	357	30
16/12/24 13:50	2	11	12	2	38.7	27	5.4	0	29
16/12/24 13:55	1	10	12	2	38.9	26	5.3	5	19
16/12/24 14:00	1	10	12	2	38.7	26	4.4	345	27
16/12/24 14:05	2	11	12	2	38.6	26	4.3	356	29
16/12/24 14:10	2	12	14	2	38.6	27	4.3	4	23
16/12/24 14:15	2	12	14	2	38.4	27	5.5	7	23
16/12/24 14:20	2	11	14	2	38.5	27	5.0	17	20
16/12/24 14:25	2	7	9	2	38.4	27	4.5	357	24
16/12/24 14:30	2	7	9	2	38.4	27	4.1	19	28
16/12/24 14:35	2	8	9	2	38.7	27	4.3	9	22
16/12/24 14:40	1	8	10	2	38.8	27	4.2	10	24
16/12/24 14:45	1	7	9	2	39.0	26	3.8	16	20
16/12/24 14:50	1	7	8	2	39.2	26	5.4	22	15
16/12/24 14:55	1	7	8	2	39.6	25	4.3	28	22
16/12/24 15:00	1	7	8	2	39.8	25	4.4	12	26
16/12/24 15:05	1	7	8	2	39.6	25	5.3	19	19
16/12/24 15:10	1	7	8	2	39.9	25	5.7	22	19
16/12/24 15:15	1	7	7	2	39.6	26	3.6	15	24
16/12/24 15:20	1	7	8	2	40.0	25	3.0	13	25
16/12/24 15:25	1	8	8	2	40.1	25	2.9	18	25
16/12/24 15:30	1	8	9	2	39.8	25	3.3	12	23
16/12/24 15:35	1	8	9	2	39.7	25	3.7	17	21
16/12/24 15:40	1	8	9	2	39.8	25	4.0	16	23
16/12/24 15:45	1	8	9	2	39.8	25	3.4	25	18
16/12/24 15:50	1	8	9	2	40.0	25	3.2	18	17
16/12/24 15:55	1	9	10	2	40.4	24	3.9	36	17
16/12/24 16:00	1	9	10	2	40.4	24	3.0	27	23
16/12/24 16:05	1	10	11	2	40.2	24	3.4	22	20
16/12/24 16:10	1	10	11	2	40.0	25	3.0	15	22
16/12/24 16:15	1	10	11	2	40.0	24	3.5	21	18
16/12/24 16:20	1	11	12	2	40.2	24	2.2	348	38
16/12/24 16:25	1	11	12	2	40.4	20	2.8	337	45
16/12/24 16:30	1	10	11	2	41.0	18	4.3	351	28
16/12/24 16:35	1	9	10	2	41.1	18	3.0	330	36
16/12/24 16:40	1	10	11	2	40.8	18	4.0	318	28
16/12/24 16:45	1	10	11	2	40.7	17	3.9	318	28
16/12/24 16:50	1	9	10	2	40.7	18	3.8	313	33
16/12/24 16:55	1	9	10	2	40.5	18	4.0	303	19
16/12/24 17:00	1	9	9	2	40.3	18	4.4	307	22
16/12/24 17:05	1	8	9	2	40.2	18	4.3	310	23
16/12/24 17:10	1	8	8	2	40.2	18	3.3	304	26
16/12/24 17:15	1	7	8	2	40.0	18	2.8	305	27
16/12/24 17:20	1	8	9	2	40.0	18	4.1	308	21
16/12/24 17:25	0	9	9	2	40.0	18	3.6	302	19
16/12/24 17:30	0	9	9	2	40.0	18	2.5	313	31
16/12/24 17:35	0	9	10	2	39.9	18	3.2	315	22
16/12/24 17:40	0	10	10	2	40.0	18	2.7	319	27
16/12/24 17:45	1	11	11	2	39.9	19	2.1	312	29
16/12/24 17:50	1	13	13	2	39.7	19	2.1	335	35
16/12/24 17:55	1	15	16	3	39.8	19	2.3	355	29
16/12/24 18:00	1	17	17	2	39.6	19	1.7	353	34

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
16/12/24 18:05	1	17	18	2	39.5	19	2.2	353	24
16/12/24 18:10	1	18	19	2	39.5	19	1.7	354	19
16/12/24 18:15	1	20	20	2	39.4	20	1.5	351	29
16/12/24 18:20	1	19	20	2	39.3	20	2.3	356	17
16/12/24 18:25	1	19	20	2	39.3	20	1.7	339	34
16/12/24 18:30	1	21	21	2	38.8	21	3.5	243	34
16/12/24 18:35	1	13	14	2	30.9	43	8.5	190	6
16/12/24 18:40	1	1	2	2	27.5	56	9.6	196	7
16/12/24 18:45	0	1	1	2	26.2	62	10.5	197	4
16/12/24 18:50	0	1	1	2	25.6	66	8.9	198	5
16/12/24 18:55	0	1	1	2	25.6	66	7.9	192	7
16/12/24 19:00	0	1	1	2	25.8	63	7.4	193	7
16/12/24 19:05	0	1	1	2	25.4	66	8.4	194	5
16/12/24 19:10	0	1	1	2	25.3	67	7.6	194	4
16/12/24 19:15	0	1	1	2	25.2	67	7.1	196	6
16/12/24 19:20	0	1	1	3	25.3	66	6.3	196	4
16/12/24 19:25	0	1	1	2	25.1	66	7.6	200	4
16/12/24 19:30	0	2	2	3	25.1	66	6.1	205	5
16/12/24 19:35	0	2	2	2	25.1	64	6.3	196	7
16/12/24 19:40	0	3	3	2	25.1	62	8.3	210	5
16/12/24 19:45	0	2	2	2	25.2	62	6.1	196	8
16/12/24 19:50	0	2	2	2	25.1	65	5.8	204	7
16/12/24 19:55	0	2	2	2	24.9	65	7.0	215	5
16/12/24 20:00	0	2	2	2	24.9	65	6.1	213	6
16/12/24 20:05	0	1	2	2	24.8	65	6.1	212	6
16/12/24 20:10	0	1	1	2	24.9	65	5.3	193	7
16/12/24 20:15	0	2	2	2	24.9	64	5.3	182	10
16/12/24 20:20	1	4	5	3	24.5	64	6.5	188	8
16/12/24 20:25	1	2	3	3	23.9	69	6.5	189	9
16/12/24 20:30	1	1	2	3	23.3	69	9.4	193	4
16/12/24 20:35	1	0	1	3	22.6	72	10.2	203	6
16/12/24 20:40	1	1	1	3	22.3	73	10.1	200	5
16/12/24 20:45	0	1	1	3	22.3	72	8.3	195	4
16/12/24 20:50	0	1	1	2	22.2	73	7.3	201	8
16/12/24 20:55	0	2	2	2	22.3	72	7.7	190	6
16/12/24 21:00	1	3	4	2	22.3	73	6.8	191	5
16/12/24 21:05	0	1	1	2	22.2	72	5.9	189	8
16/12/24 21:10	0	1	1	2	22.1	73	6.6	189	8
16/12/24 21:15	0	1	1	2	22.0	75	7.7	196	4
16/12/24 21:20	0	1	1	2	21.5	77	6.5	196	7
16/12/24 21:25	0	1	1	2	21.7	75	6.4	190	6
16/12/24 21:30	0	1	1	2	21.7	76	7.0	191	7
16/12/24 21:35	0	1	2	2	21.6	74	5.2	182	9
16/12/24 21:40	10	21	31	2	21.6	75	4.1	181	11
16/12/24 21:45	12	13	26	2	21.4	76	4.8	191	9
16/12/24 21:50	0	2	2	2	21.2	79	5.9	204	6
16/12/24 21:55	0	2	3	2	21.1	80	4.2	190	15
16/12/24 22:00	1	14	16	2	21.2	78	4.1	174	11
16/12/24 22:05	2	8	11	2	21.3	77	4.0	175	20
16/12/24 22:10	5	7	11	2	21.1	76	6.2	196	3
16/12/24 22:15	0	0	0	2	21.0	74	4.2	189	10
16/12/24 22:20	1	3	4	2	21.2	72	4.6	190	6
16/12/24 22:25	1	1	1	2	21.2	73	5.1	193	4
16/12/24 22:30	0	1	1	2	21.2	75	3.9	188	12
16/12/24 22:35	0	2	2	2	21.3	75	2.5	183	13
16/12/24 22:40	1	3	3	2	21.3	74	2.5	150	20
16/12/24 22:45	0	1	2	2	21.0	75	4.0	128	12
16/12/24 22:50	0	1	1	2	20.9	76	3.1	128	19
16/12/24 22:55	0	1	1	2	20.7	75	3.7	122	14
16/12/24 23:00	0	1	1	2	20.8	76	3.6	118	18
16/12/24 23:05	0	1	1	2	20.7	75	1.9	119	29
16/12/24 23:10	0	1	1	2	21.0	75	1.8	139	25
16/12/24 23:15	0	1	1	2	20.9	76	1.6	171	25
16/12/24 23:20	0	1	1	2	21.0	75	1.5	154	26
16/12/24 23:25	0	1	1	2	21.0	75	1.9	145	24
16/12/24 23:30	0	1	2	2	21.1	75	1.8	145	23
16/12/24 23:35	0	1	1	2	21.0	75	2.8	115	17
16/12/24 23:40	0	1	1	2	21.0	75	1.8	123	22
16/12/24 23:45	0	1	1	2	20.9	75	2.4	106	14
16/12/24 23:50	0	1	1		21.0	74	1.3	131	28
16/12/24 23:55	0	1	1		20.9	74	1.4	142	22
17/12/24 00:00	0	1	1	2	21.0	74	2.2	133	13
17/12/24 00:05	0	1	1	3	20.9	75	1.5	159	22
17/12/24 00:10	0	1	1	3	21.0	74	1.5	152	24
17/12/24 00:15	0	1	1	3	21.1	75	1.4	175	25
17/12/24 00:20	0	1	2	3	21.0	74	0.9	144	30
17/12/24 00:25	0	2	2	3	21.0	75	1.4	193	21
17/12/24 00:30	0	2	2	3	21.0	76	2.2	181	11
17/12/24 00:35	0	2	3	3	21.1	75	1.3	156	30
17/12/24 00:40	1	2	3	3	21.0	75	1.5	185	25
17/12/24 00:45	0	2	2	3	20.8	75	1.6	200	34
17/12/24 00:50	0	2	2	3	20.8	76	2.1	211	7
17/12/24 00:55	0	1	1	3	20.7	76	1.6	196	7
17/12/24 01:00	0	1	1	3	20.8	77	2.2	204	13

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
17/12/24 01:05					20.7	77	2.5	212	7
17/12/24 01:10					20.8	78	2.4	196	8
17/12/24 01:15					20.8	78	2.3	219	7
17/12/24 01:20					20.7	78	2.4	217	4
17/12/24 01:25					20.7	77	1.9	202	14
17/12/24 01:30					20.7	78	2.4	234	9
17/12/24 01:35					20.7	79	2.8	223	6
17/12/24 01:40					20.7	79	3.1	220	7
17/12/24 01:45					20.8	79	3.4	235	7
17/12/24 01:50					20.8	77	4.2	228	4
17/12/24 01:55					20.8	77	4.3	227	7
17/12/24 02:00					20.7	75	3.6	242	5
17/12/24 02:05	0	2	2	2	20.8	77	4.5	226	11
17/12/24 02:10	0	2	3	2	20.7	74	7.2	231	9
17/12/24 02:15	0	2	2	2	20.7	75	7.4	227	6
17/12/24 02:20	0	2	2	2	20.6	75	7.8	229	8
17/12/24 02:25	0	2	2	2	20.5	74	7.9	234	7
17/12/24 02:30	0	2	2	2	20.4	76	8.5	232	8
17/12/24 02:35	0	3	3	3	20.3	77	7.0	233	8
17/12/24 02:40	0	3	3	3	20.3	77	6.7	235	6
17/12/24 02:45	0	3	3	3	20.1	77	7.4	234	5
17/12/24 02:50	0	3	3	3	20.1	77	7.0	232	7
17/12/24 02:55	0	3	3	2	20.0	78	6.9	229	5
17/12/24 03:00	0	3	3	2	20.0	79	6.1	227	8
17/12/24 03:05	0	2	2	2	20.0	78	5.7	226	4
17/12/24 03:10	0	2	3	3	20.0	79	4.8	235	12
17/12/24 03:15	0	5	5	3	19.9	78	4.6	243	9
17/12/24 03:20	1	9	10	2	19.9	78	5.0	238	9
17/12/24 03:25	1	11	12	2	19.9	78	4.9	234	8
17/12/24 03:30	1	7	8	2	19.9	78	6.4	230	8
17/12/24 03:35	1	4	4	2	19.9	77	5.4	236	8
17/12/24 03:40	1	7	8	2	19.8	75	6.0	237	8
17/12/24 03:45	1	8	9	2	19.8	75	5.7	233	8
17/12/24 03:50	1	3	4	2	19.9	75	7.0	224	4
17/12/24 03:55	1	3	4	2	20.0	75	5.2	227	8
17/12/24 04:00	1	3	4	2	19.7	75	5.9	225	6
17/12/24 04:05	0	1	2	2	19.9	75	6.4	228	9
17/12/24 04:10	0	2	2	2	19.8	73	5.5	239	10
17/12/24 04:15	1	4	5	2	19.8	73	5.8	239	7
17/12/24 04:20	1	7	8	2	19.7	73	5.5	231	9
17/12/24 04:25	2	23	25	2	19.7	73	5.5	234	7
17/12/24 04:30	3	11	14	3	19.7	73	5.9	243	7
17/12/24 04:35	6	17	23	3	19.7	73	5.6	236	7
17/12/24 04:40	2	11	13	3	19.7	73	4.9	240	8
17/12/24 04:45	3	12	15	2	19.6	73	4.6	238	7
17/12/24 04:50	5	18	23	2	19.7	72	5.1	240	9
17/12/24 04:55	4	7	11	2	19.7	73	5.7	245	8
17/12/24 05:00	3	6	9	3	19.8	73	6.9	248	6
17/12/24 05:05	2	6	7	3	19.7	74	6.7	251	7
17/12/24 05:10	1	5	7	3	19.7	74	6.1	248	9
17/12/24 05:15	1	6	7	3	19.7	75	5.9	254	4
17/12/24 05:20	1	7	9	3	19.6	74	6.0	248	6
17/12/24 05:25	2	9	11	3	19.7	74	4.7	250	12
17/12/24 05:30	2	11	13	3	19.7	73	5.5	251	9
17/12/24 05:35	2	12	14	3	19.7	73	6.3	253	6
17/12/24 05:40	2	8	10	3	19.7	73	5.7	251	6
17/12/24 05:45	2	11	14	3	19.6	74	5.0	261	11
17/12/24 05:50	2	10	12	3	19.6	73	5.7	247	8
17/12/24 05:55	2	10	12	3	19.5	73	5.6	249	6
17/12/24 06:00	2	10	12	3	19.5	73	6.0	243	6
17/12/24 06:05	2	9	11	3	19.6	73	5.3	248	7
17/12/24 06:10	2	9	11	3	19.5	73	5.7	251	9
17/12/24 06:15	2	9	11	3	19.5	73	5.9	246	6
17/12/24 06:20	3	10	13	2	19.5	74	6.5	248	6
17/12/24 06:25	3	10	13	3	19.6	68	8.2	232	10
17/12/24 06:30	3	2	5	3	19.4	61	9.8	232	7
17/12/24 06:35				3	19.3	62	9.3	232	6
17/12/24 06:40	2	1	3	3	19.2	63	9.2	234	6
17/12/24 06:45	2	1	3	3	19.3	65	9.0	232	8
17/12/24 06:50	1	1	3	3	19.2	64	10.2	228	7
17/12/24 06:55	1	1	2	3	19.2	70	10.3	224	5
17/12/24 07:00	1	1	2	3	19.1	69	7.7	232	9
17/12/24 07:05	2	4	6	3	19.0	70	7.8	234	6
17/12/24 07:10	2	7	9	3	18.9	70	6.9	244	8
17/12/24 07:15	2	6	8	3	18.8	70	7.3	245	7
17/12/24 07:20	3	6	9	3	18.9	72	6.7	245	7
17/12/24 07:25	3	5	8	3	18.9	72	6.2	249	12
17/12/24 07:30	3	5	7	3	18.9	72	6.3	242	9
17/12/24 07:35	3	4	7	3	19.1	72	7.3	252	7
17/12/24 07:40	3	4	7	2	19.2	70	6.3	235	8
17/12/24 07:45	4	5	8	3	19.3	67	7.4	238	6
17/12/24 07:50	3	4	7	3	19.3	67	7.1	239	9
17/12/24 07:55	3	4	7	3	19.4	66	6.1	242	9
17/12/24 08:00	3	4	7	3	19.2	64	6.2	247	10

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
17/12/24 08:05	3	3	7	3	19.3	64	5.7	253	5
17/12/24 08:10	3	2	5	3	19.4	63	5.2	247	6
17/12/24 08:15	5	6	10	3	19.4	61	4.8	238	9
17/12/24 08:20	4	4	8	3	19.4	62	4.9	240	11
17/12/24 08:25	1	2	3	3	19.5	60	4.4	248	15
17/12/24 08:30	1	1	2	3	19.6	61	4.5	229	12
17/12/24 08:35	1	1	2	3	19.5	61	3.9	227	7
17/12/24 08:40	1	1	2	3	19.6	60	3.6	238	8
17/12/24 08:45	1	2	2	3	19.9	59	2.7	219	13
17/12/24 08:50	1	2	2	3	19.9	59	2.7	230	19
17/12/24 08:55	1	3	3	3	20.2	58	4.8	251	9
17/12/24 09:00	1	3	4	3	20.2	57	4.8	247	8
17/12/24 09:05	1	3	4	3	20.2	56	5.5	236	12
17/12/24 09:10	2	3	5	3	20.4	55	6.0	239	9
17/12/24 09:15	2	4	6	3	20.6	54	7.4	236	9
17/12/24 09:20	2	3	5	3	20.5	55	5.4	238	13
17/12/24 09:25	2	3	5	3	20.5	54	5.8	229	9
17/12/24 09:30					20.6	54	6.5	221	11
17/12/24 09:35					20.6	54	6.6	237	10
17/12/24 09:40					20.7	59	6.3	216	6
17/12/24 09:45					20.7	56	7.0	228	12
17/12/24 09:50					20.8	55	8.6	225	6
17/12/24 09:55					20.7	55	6.1	223	10
17/12/24 10:00					20.9	54	5.4	206	7
17/12/24 10:05					21.0	54	8.0	229	10
17/12/24 10:10					21.1	54	7.4	216	6
17/12/24 10:15					21.0	58	7.5	208	8
17/12/24 10:20					20.9	58	6.2	204	15
17/12/24 10:25					21.3	56	5.8	200	10
17/12/24 10:30					21.3	55	8.8	222	6
17/12/24 10:35					21.3	52	6.5	215	11
17/12/24 10:40					21.3	56	5.7	210	10
17/12/24 10:45					21.3	55	4.6	191	11
17/12/24 10:50					21.5	54	4.1	183	13
17/12/24 10:55				3	21.4	54	4.6	187	11
17/12/24 11:00				3	21.3	55	4.9	199	9
17/12/24 11:05				3	21.5	52	6.8	216	10
17/12/24 11:10	0	1	1	3	21.8	49	5.9	229	9
17/12/24 11:15	0	1	2	3	21.9	43	6.0	238	13
17/12/24 11:20	0	1	2	3	21.9	44	7.8	222	9
17/12/24 11:25	0	1	1	2	22.0	47	9.1	222	9
17/12/24 11:30	0	1	1	2	22.0	46	8.9	227	7
17/12/24 11:35	0	1	1	3	22.1	47	8.1	214	11
17/12/24 11:40	0	1	1	3	22.2	46	8.6	222	8
17/12/24 11:45	0	1	2	3	22.2	49	7.8	213	10
17/12/24 11:50	38	18	56	3	22.1	51	6.0	210	15
17/12/24 11:55	0	2	1	3	22.1	47	8.2	225	11
17/12/24 12:00	0	1	1	2	22.1	48	8.2	218	9
17/12/24 12:05	0	2	3	3	22.1	49	7.6	207	9
17/12/24 12:10	3	6	9	3	22.4	45	7.2	224	13
17/12/24 12:15	10	4	14	3	22.2	49	8.0	206	8
17/12/24 12:20	2	4	6	2	22.0	50	7.1	205	9
17/12/24 12:25	32	14	46	3	22.4	46	4.4	189	12
17/12/24 12:30	24	12	36	3	22.5	48	5.7	198	12
17/12/24 12:35	84	28	112	3	22.7	47	5.0	191	10
17/12/24 12:40	90	19	110	4	23.0	45	4.9	190	12
17/12/24 12:45	72	12	84	4	22.9	47	4.8	195	12
17/12/24 12:50	34	16	49	4	22.9	50	6.2	200	11
17/12/24 12:55	16	16	32	4	22.6	50	6.6	199	10
17/12/24 13:00	40	10	50	4	22.4	52	6.9	197	11
17/12/24 13:05	30	19	49	4	22.4	53	6.0	184	8
17/12/24 13:10	29	18	47	4	22.4	58	5.3	185	10
17/12/24 13:15	26	12	38	4	22.4	62	5.0	182	11
17/12/24 13:20	23	11	34	4	22.2	63	4.9	179	14
17/12/24 13:25	23	10	33	4	22.1	63	4.8	181	11
17/12/24 13:30	18	9	27	4	22.2	63	4.6	178	17
17/12/24 13:35	20	8	27	4	22.4	62	4.2	177	15
17/12/24 13:40	25	10	35	4	22.2	61	4.6	179	12
17/12/24 13:45	22	11	33	4	22.2	62	4.3	181	12
17/12/24 13:50	30	13	43	4	22.4	59	4.2	181	10
17/12/24 13:55	31	12	43	4	22.3	61	3.8	181	11
17/12/24 14:00	14	9	22	4	22.6	59	3.8	170	14
17/12/24 14:05	16	8	24	4	22.6	60	4.0	178	12
17/12/24 14:10	18	9	27	4	22.5	60	3.6	177	15
17/12/24 14:15	25	10	36	3	22.8	58	3.3	182	16
17/12/24 14:20	22	10	32	3	22.8	56	3.6	171	19
17/12/24 14:25	21	8	29	3	22.6	56	3.7	178	17
17/12/24 14:30	19	9	28	3	22.6	56	3.4	172	20
17/12/24 14:35	5	3	8	3	22.7	56	3.8	168	20
17/12/24 14:40	10	7	17	3	22.7	57	3.7	169	18
17/12/24 14:45	18	11	29	3	22.5	55	4.0	174	17
17/12/24 14:50	6	6	12	3	22.5	57	4.2	171	16
17/12/24 14:55	13	9	22	3	22.4	57	4.2	168	16
17/12/24 15:00	15	7	21	3	22.8	57	4.0	178	15

Station Pier Ambient Air Quality Monitoring
December 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 (°)
17/12/24 15:05	20	10	30	3	22.8	57	4.8	183	13
17/12/24 15:10	23	12	35	3	22.1	56	5.0	182	9
17/12/24 15:15	26	12	39	3	22.1	58	4.8	183	10
17/12/24 15:20	24	13	37	3	22.1	57	5.2	184	10
17/12/24 15:25	23	13	35	3	21.8	55	5.1	180	11
17/12/24 15:30	17	11	27	3	22.0	58	4.0	177	15
17/12/24 15:35	16	8	24	3	22.3	56	4.6	174	16
17/12/24 15:40	11	7	18	3	22.4	57	4.4	170	16
17/12/24 15:45	9	6	15	3	22.3	56	3.9	173	14
17/12/24 15:50	13	8	21	3	22.5	56	4.8	176	13
17/12/24 15:55	16	6	22	3	22.2	56	4.5	169	18
17/12/24 16:00	6	4	10	3	22.1	59	3.9	169	21
17/12/24 16:05	16	9	25	3	22.0	58	4.4	178	14
17/12/24 16:10	11	5	17	3	22.2	59	4.1	170	15
17/12/24 16:15	13	7	20	3	22.3	58	4.2	175	17
17/12/24 16:20	13	6	18	3	22.4	57	3.9	169	18
17/12/24 16:25	14	7	21	3	22.4	58	4.2	178	17
17/12/24 16:30	25	12	37	3	22.2	56	4.4	184	12
17/12/24 16:35	26	9	35	3	22.0	59	4.6	183	10
17/12/24 16:40	15	8	23	3	22.0	60	4.5	181	12
17/12/24 16:45	21	13	35	3	22.0	58	5.0	184	9
17/12/24 16:50	21	12	34	3	21.9	59	4.5	177	13
17/12/24 16:55	14	9	22	3	21.8	61	4.8	175	14
17/12/24 17:00	14	8	22	3	21.9	62	4.5	172	17
17/12/24 17:05	13	10	22	3	22.0	62	4.3	174	15
17/12/24 17:10	13	7	20	3	21.9	61	5.2	173	16
17/12/24 17:15	17	10	27	3	21.7	63	4.7	178	15
17/12/24 17:20	19	8	27	3	21.4	63	6.3	183	9
17/12/24 17:25	13	6	19	3	21.2	64	8.3	184	8
17/12/24 17:30	6	6	12	3	20.4	68	7.8	185	9
17/12/24 17:35	17	14	31	3	20.1	66	7.8	182	8
17/12/24 17:40	24	12	36	3	19.9	63	6.6	179	12
17/12/24 17:45	21	9	30	3	20.1	64	6.5	181	11
17/12/24 17:50	23	14	37	3	20.4	66	6.0	182	9
17/12/24 17:55	7	5	12	3	20.7	64	6.8	188	9
17/12/24 18:00	2	0	2	3	20.8	63	7.7	187	7
17/12/24 18:05	1	1	2	3	20.9	63	7.5	188	8
17/12/24 18:10	1	1	2	3	20.8	63	7.2	187	8
17/12/24 18:15	1	1	3	3	20.9	62	7.0	188	8
17/12/24 18:20	4	5	9	3	20.8	62	7.0	188	8
17/12/24 18:25	3	6	8	2	20.6	62	6.6	185	8
17/12/24 18:30	17	13	30	3	20.5	63	6.8	183	9
17/12/24 18:35	7	2	10	3	20.4	67	6.8	186	9
17/12/24 18:40	7	7	14	3	20.3	67	6.7	186	8
17/12/24 18:45	18	8	26	3	20.1	67	7.2	183	9
17/12/24 18:50	17	9	26	2	20.0	67	6.6	183	10
17/12/24 18:55	3	2	5	3	20.1	70	9.0	191	6
17/12/24 19:00	1	1	2	3	20.0	66	8.4	188	8
17/12/24 19:05	0	1	1	3	20.0	67	8.3	189	7
17/12/24 19:10	0	1	1	3	19.9	69	9.6	193	5
17/12/24 19:15	0	1	1	3	19.8	68	9.1	192	6
17/12/24 19:20	0	1	1	3	19.8	66	8.5	190	6
17/12/24 19:25	0	1	1	3	19.8	68	7.2	191	8
17/12/24 19:30	0	1	1	3	19.9	66	9.0	191	5
17/12/24 19:35	0	1	1	3	19.7	66	8.9	195	6
17/12/24 19:40	0	1	1	3	19.7	67	8.2	196	5
17/12/24 19:45	0	1	1	3	19.7	67	8.1	196	6
17/12/24 19:50	0	1	1	3	19.8	64	8.2	192	5
17/12/24 19:55	0	1	2	3	19.7	64	9.0	201	4
17/12/24 20:00	0	2	2	3	19.6	63	9.0	200	6
17/12/24 20:05	0	2	2	3	19.6	63	9.2	196	7
17/12/24 20:10	0	2	2	3	19.6	65	7.7	196	8
17/12/24 20:15	0	2	2	3	19.4	65	8.6	199	8
17/12/24 20:20	1	2	2	2	19.3	61	7.4	187	8
17/12/24 20:25	1	3	4	2	19.1	62	6.4	189	8
17/12/24 20:30	1	2	3	2	19.1	62	7.0	190	7
17/12/24 20:35	1	2	2	3	19.2	65	8.8	197	7
17/12/24 20:40	1	1	2	3	19.2	64	8.5	198	5
17/12/24 20:45	0	1	2	2	19.2	65	8.8	193	6
17/12/24 20:50	0	1	1	2	19.1	65	8.4	195	5
17/12/24 20:55	0	1	1	2	19.0	64	8.8	196	5
17/12/24 21:00	0	1	1	2	19.0	65	8.5	195	5
17/12/24 21:05	0	1	1	2	19.0	63	8.0	200	4
17/12/24 21:10	0	1	1	2	19.1	63	8.4	196	5
17/12/24 21:15	0	1	1	2	19.1	63	8.4	201	7
17/12/24 21:20	0	1	1	2	19.0	62	8.4	198	6
17/12/24 21:25	0	1	1	2	19.1	63	8.4	201	6
17/12/24 21:30	0	1	2	3	18.9	61	7.7	204	5
17/12/24 21:35	0	1	2	3	18.8	60	7.7	204	5
17/12/24 21:40	0	1	1	2	18.7	61	8.1	196	6
17/12/24 21:45	0	1	1	3	18.8	62	7.9	204	5
17/12/24 21:50	0	1	1	3	18.8	63	8.1	198	6
17/12/24 21:55	0	1	1	2	18.7	63	8.6	200	5
17/12/24 22:00	0	1	1	2	18.8	63	7.7	203	6

Station Pier Ambient Air Quality Monitoring
December 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 (°)
17/12/24 22:05	0	1	1	2	18.8	63	7.4	196	9
17/12/24 22:10	0	1	2	2	18.7	64	7.3	197	7
17/12/24 22:15	1	2	3	3	18.6	63	7.6	199	6
17/12/24 22:20	1	2	2	2	18.7	65	7.4	199	9
17/12/24 22:25	0	2	2	2	18.6	65	7.6	201	6
17/12/24 22:30	0	1	2	2	18.6	63	7.3	198	8
17/12/24 22:35	0	1	1	2	18.6	61	6.2	190	9
17/12/24 22:40	0	1	1	2	18.5	65	6.6	195	7
17/12/24 22:45	4	9	14	2	18.3	66	5.6	184	8
17/12/24 22:50	23	13	36	2	18.1	67	4.5	183	11
17/12/24 22:55	19	6	26	2	18.2	64	5.3	187	10
17/12/24 23:00	0	1	1	2	18.2	64	5.5	195	8
17/12/24 23:05	0	1	1	3	18.2	64	5.1	197	10
17/12/24 23:10	0	1	1	3	18.2	64	5.8	201	13
17/12/24 23:15	0	1	1	3	18.1	67	5.4	213	10
17/12/24 23:20	0	1	1	3	18.0	66	4.9	222	8
17/12/24 23:25	0	2	2	3	18.1	64	4.5	216	15
17/12/24 23:30	0	3	3	2	17.7	64	4.5	240	7
17/12/24 23:35	0	5	5	3	17.5	64	4.7	243	8
17/12/24 23:40	1	15	16	3	17.5	64	5.3	237	7
17/12/24 23:45	2	7	10	3	17.3	64	4.9	240	6
17/12/24 23:50	2	7	9		17.3	66	3.7	230	11
17/12/24 23:55	2	8	10		17.6	66	3.8	231	14
18/12/24 00:00	2	9	11	3	17.4	65	4.3	242	10
18/12/24 00:05	2	9	11	3	17.4	65	4.2	233	9
18/12/24 00:10	2	10	12	3	17.3	66	4.8	243	8
18/12/24 00:15	3	12	14	3	17.3	67	4.9	244	7
18/12/24 00:20	3	12	15	3	17.3	67	5.8	248	6
18/12/24 00:25	4	11	14	2	17.2	68	5.0	238	9
18/12/24 00:30	3	4	7	2	17.5	70	6.4	223	8
18/12/24 00:35				2	17.7	69	6.4	223	8
18/12/24 00:40	1	3	4	2	17.5	70	5.2	225	11
18/12/24 00:45	1	5	6	2	17.5	71	6.7	226	7
18/12/24 00:50	1	2	3	3	17.7	69	6.0	215	9
18/12/24 00:55	1	1	2	3	17.8	67	6.8	207	9
18/12/24 01:00	0	1	1	2	17.9	68	7.0	207	7
18/12/24 01:05					17.9	67	7.6	208	6
18/12/24 01:10					17.9	67	7.9	211	7
18/12/24 01:15					17.8	68	7.3	206	8
18/12/24 01:20					17.9	68	7.3	206	8
18/12/24 01:25					17.8	70	7.0	208	9
18/12/24 01:30					17.8	70	7.6	209	6
18/12/24 01:35					17.8	69	7.6	210	6
18/12/24 01:40					17.7	70	7.4	211	7
18/12/24 01:45					17.7	68	6.7	205	10
18/12/24 01:50					17.7	69	6.9	204	7
18/12/24 01:55					17.7	68	6.5	211	6
18/12/24 02:00					17.3	70	5.1	226	15
18/12/24 02:05	5	9	14	2	17.2	70	5.1	231	16
18/12/24 02:10	5	11	16	3	16.8	71	4.8	242	8
18/12/24 02:15	5	10	16	2	16.7	72	5.3	247	7
18/12/24 02:20	3	8	11	2	16.7	72	4.9	244	8
18/12/24 02:25	2	5	7	2	16.9	74	4.7	229	8
18/12/24 02:30	1	4	5	2	17.2	74	5.6	230	9
18/12/24 02:35	1	2	3	2	17.1	73	5.6	242	15
18/12/24 02:40	1	5	6	2	16.7	72	6.2	247	7
18/12/24 02:45	2	8	10	2	16.4	72	5.5	241	8
18/12/24 02:50	2	8	10	2	16.4	73	5.2	239	9
18/12/24 02:55	2	7	9	2	16.7	75	6.2	231	8
18/12/24 03:00	2	3	4	2	16.7	74	6.8	231	8
18/12/24 03:05	1	1	2	2	16.8	76	6.8	231	6
18/12/24 03:10	1	1	2	2	16.9	76	6.2	219	8
18/12/24 03:15	0	1	2	2	17.2	76	6.2	223	8
18/12/24 03:20	0	2	2	2	17.1	75	6.3	200	12
18/12/24 03:25	0	2	2	2	17.4	72	7.3	203	7
18/12/24 03:30	0	2	2	2	17.5	72	7.2	195	6
18/12/24 03:35	1	2	2	2	17.4	70	5.7	190	10
18/12/24 03:40	2	3	5	2	17.6	71	5.3	185	11
18/12/24 03:45	25	5	29	2	17.3	68	4.8	184	9
18/12/24 03:50	11	10	20	2	17.4	68	4.0	177	14
18/12/24 03:55	14	9	23	2	17.6	70	3.6	174	19
18/12/24 04:00	11	8	20	2	17.7	69	3.6	174	16
18/12/24 04:05	4	2	6	3	17.7	69	3.9	167	20
18/12/24 04:10	19	10	29	3	17.5	68	4.3	173	17
18/12/24 04:15	7	5	13	3	17.8	68	4.1	176	14
18/12/24 04:20	8	5	13	2	17.5	66	3.4	171	19
18/12/24 04:25	9	7	17	3	17.6	65	4.0	170	18
18/12/24 04:30	6	4	10	3	17.5	66	3.7	166	19
18/12/24 04:35	4	3	7	2	17.6	67	3.8	172	17
18/12/24 04:40	8	8	17	2	17.6	66	3.5	174	13
18/12/24 04:45	15	9	24	2	17.6	64	3.6	170	19
18/12/24 04:50	11	7	18	3	17.4	62	4.0	171	15
18/12/24 04:55	7	7	14	3	17.3	62	3.9	163	22
18/12/24 05:00	2	2	4	3	17.3	60	3.3	160	23

Station Pier Ambient Air Quality Monitoring
December 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 (°)
18/12/24 05:05	1	2	3	2	17.3	63	3.2	155	24
18/12/24 05:10	1	2	2	2	17.2	64	3.6	158	23
18/12/24 05:15	1	2	2	2	17.2	63	3.3	153	20
18/12/24 05:20	0	2	2	2	17.3	63	3.0	160	25
18/12/24 05:25	1	3	4	2	17.3	63	3.2	165	22
18/12/24 05:30	7	6	13	3	17.5	63	3.8	169	18
18/12/24 05:35	2	2	4	2	17.7	64	3.3	165	22
18/12/24 05:40	2	1	3	2	17.7	62	3.4	151	23
18/12/24 05:45	2	0	2	2	17.7	62	3.5	148	23
18/12/24 05:50	1	3	5	2	17.7	62	3.3	166	20
18/12/24 05:55	4	3	7	2	17.8	64	3.0	170	19
18/12/24 06:00	2	3	5	2	18.0	63	3.2	163	23
18/12/24 06:05	1	1	2	2	18.0	63	2.6	159	25
18/12/24 06:10	2	2	4	2	18.1	61	3.7	168	18
18/12/24 06:15	1	1	2	2	18.2	62	3.1	157	23
18/12/24 06:20	1	1	2	3	18.2	59	3.1	157	24
18/12/24 06:25	1	1	2	2	18.2	61	3.0	169	18
18/12/24 06:30	1	2	3	2	18.1	58	3.2	149	21
18/12/24 06:35	1	1	1	2	18.2	60	2.6	164	20
18/12/24 06:40	1	1	2	2	18.4	60	3.1	155	24
18/12/24 06:45	6	7	12	2	18.2	62	3.5	168	17
18/12/24 06:50	15	3	18	2	18.2	62	3.0	158	24
18/12/24 06:55	1	1	2	2	18.2	63	3.5	161	19
18/12/24 07:00	1	1	2	3	18.2	64	2.8	151	27
18/12/24 07:05	1	1	1	3	18.0	63	2.8	153	23
18/12/24 07:10	1	2	4	3	18.3	61	2.8	150	27
18/12/24 07:15	30	12	41	3	18.4	62	3.6	154	22
18/12/24 07:20	0	1	1	3	18.4	63	2.9	159	21
18/12/24 07:25	0	0	1	2	18.6	63	3.3	163	21
18/12/24 07:30	0	1	1	2	18.7	63	3.0	158	24
18/12/24 07:35	0	1	1	2	18.5	62	4.6	137	19
18/12/24 07:40	0	1	1	2	18.4	63	3.4	151	26
18/12/24 07:45	0	1	1	2	18.3	63	3.5	154	23
18/12/24 07:50	0	1	1	2	18.3	62	4.6	140	18
18/12/24 07:55	0	1	1	2	18.5	64	2.9	157	25
18/12/24 08:00	0	1	1	2	18.7	63	2.9	162	26
18/12/24 08:05	0	1	1	2	18.8	62	3.0	155	27
18/12/24 08:10	0	1	1	2	19.1	62	3.8	165	17
18/12/24 08:15	0	1	1	2	19.1	61	3.0	158	21
18/12/24 08:20	0	1	1	2	19.3	61	3.3	170	16
18/12/24 08:25				2	19.3	61	3.5	174	15
18/12/24 08:30	9	1	10	3	19.3	61	3.2	156	22
18/12/24 08:35	2	2	4	3	19.3	61	3.2	158	24
18/12/24 08:40	1	3	4	2	19.3	62	3.3	171	16
18/12/24 08:45	1	2	4	2	19.3	60	3.5	170	18
18/12/24 08:50	1	2	3	2	19.4	61	3.0	167	20
18/12/24 08:55	1	1	2	2	19.6	61	3.5	171	18
18/12/24 09:00	1	1	2	2	19.4	60	3.2	167	20
18/12/24 09:05	1	1	2	2	19.3	62	2.9	165	26
18/12/24 09:10	1	1	2	2	19.4	64	3.5	173	17
18/12/24 09:15	1	1	2	2	19.5	62	3.5	168	19
18/12/24 09:20	1	1	2	2	19.6	60	3.1	175	18
18/12/24 09:25	1	1	2	2	19.6	61	4.7	178	9
18/12/24 09:30	1	1	2	2	19.4	61	4.4	177	11
18/12/24 09:35				2	19.6	63	4.2	177	12
18/12/24 09:40	1	2	3	2	19.9	61	3.6	171	20
18/12/24 09:45	1	1	2	2	19.9	62	4.3	180	11
18/12/24 09:50	1	1	2	2	19.6	61	4.2	178	12
18/12/24 09:55	1	1	2	2	19.7	61	3.8	176	12
18/12/24 10:00	1	2	3	2	19.7	62	4.1	179	15
18/12/24 10:05	1	2	3	2	20.0	60	3.8	176	17
18/12/24 10:10	1	2	3	2	20.0	59	3.5	170	19
18/12/24 10:15	1	2	3	2	20.0	61	4.0	179	11
18/12/24 10:20	2	2	3	2	20.1	60	3.8	179	15
18/12/24 10:25	2	2	4	2	19.9	60	4.0	176	14
18/12/24 10:30	3	2	5	2	20.1	59	4.3	178	15
18/12/24 10:35	31	2	33	2	20.0	59	4.3	182	12
18/12/24 10:40	63	15	78	2	20.0	60	4.1	186	14
18/12/24 10:45	33	16	49	2	20.2	59	4.0	184	13
18/12/24 10:50	62	19	81	2	20.1	59	4.3	187	13
18/12/24 10:55	60	22	82	2	20.1	59	5.0	190	7
18/12/24 11:00	31	8	39	2	20.2	57	4.4	180	15
18/12/24 11:05	19	11	30	2	20.3	56	4.8	181	12
18/12/24 11:10	64	25	89	3	20.3	56	4.8	188	10
18/12/24 11:15	63	7	70	4	19.9	56	5.4	186	10
18/12/24 11:20	63	14	77	4	20.0	57	5.5	188	9
18/12/24 11:25	90	44	134	4	19.6	60	5.6	194	7
18/12/24 11:30	80	25	104	4	19.6	63	5.8	195	6
18/12/24 11:35	55	18	72	3	19.7	62	5.4	191	9
18/12/24 11:40	59	12	71	4	19.9	63	5.2	190	7
18/12/24 11:45	60	22	82	3	20.1	61	5.5	192	8
18/12/24 11:50	75	13	88	3	19.8	62	5.8	191	7
18/12/24 11:55	77	1	78	3	19.5	62	6.4	195	7
18/12/24 12:00	63	6	70	3	19.5	63	6.5	195	5

Station Pier Ambient Air Quality Monitoring
December 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 (°)
18/12/24 12:05	113	24	137	3	19.6	61	6.4	195	5
18/12/24 12:10	53	23	76	3	19.9	61	6.0	194	7
18/12/24 12:15	44	23	68	3	20.0	63	5.9	194	8
18/12/24 12:20	46	12	58	3	20.3	59	4.9	187	11
18/12/24 12:25	30	13	43	3	20.7	58	4.6	184	11
18/12/24 12:30	62	18	79	2	20.8	55	4.6	182	13
18/12/24 12:35	21	12	32	2	21.2	56	4.0	185	13
18/12/24 12:40	32	16	48	2	21.3	56	4.4	185	9
18/12/24 12:45	31	15	46	2	21.3	55	5.2	187	11
18/12/24 12:50	66	8	74	2	20.7	57	6.0	190	9
18/12/24 12:55	68	19	87	3	20.6	59	5.8	187	9
18/12/24 13:00	59	15	74	2	20.8	57	5.7	189	9
18/12/24 13:05	68	20	88	3	20.7	60	5.3	187	11
18/12/24 13:10	58	23	80	3	21.0	58	5.9	189	8
18/12/24 13:15	71	5	76	3	20.6	59	5.8	188	10
18/12/24 13:20	50	12	62	3	20.7	60	6.0	189	10
18/12/24 13:25	90	34	124	3	20.5	59	6.5	190	9
18/12/24 13:30	67	14	81	3	20.6	60	6.2	188	9
18/12/24 13:35	70	23	93	3	20.5	60	6.8	190	8
18/12/24 13:40	65	16	81	3	20.5	60	6.8	192	6
18/12/24 13:45	50	13	64	3	20.5	60	5.5	187	8
18/12/24 13:50	67	15	82	3	20.5	58	6.7	189	8
18/12/24 13:55	135	30	165	3	20.4	61	6.5	191	8
18/12/24 14:00	112	25	137	3	20.3	60	6.7	190	8
18/12/24 14:05	65	5	69	3	20.6	59	6.3	188	8
18/12/24 14:10	55	20	75	3	20.6	59	7.1	190	6
18/12/24 14:15	33	14	47	3	20.5	59	6.2	186	8
18/12/24 14:20				3	20.5	58	6.8	189	8
18/12/24 14:25	28	8	35	3	20.9	57	6.2	187	6
18/12/24 14:30	46	14	61	3	20.8	59	7.2	190	7
18/12/24 14:35	50	13	63	3	20.7	60	7.4	190	6
18/12/24 14:40	45	4	49	3	20.7	59	7.1	189	8
18/12/24 14:45	19	7	26	3	20.8	59	6.8	187	7
18/12/24 14:50	26	8	34	2	21.0	58	7.2	187	7
18/12/24 14:55	35	12	48	2	20.9	59	6.9	188	8
18/12/24 15:00	16	6	21	2	20.8	58	6.8	187	7
18/12/24 15:05	20	4	24	2	20.9	59	6.7	185	7
18/12/24 15:10	10	7	17	2	21.1	58	6.4	185	10
18/12/24 15:15	13	10	23	2	21.0	59	7.3	187	5
18/12/24 15:20	9	8	16	3	21.2	60	5.8	185	9
18/12/24 15:25	13	9	22	2	21.4	60	5.8	184	11
18/12/24 15:30	12	7	18	2	21.4	58	6.1	186	7
18/12/24 15:35	11	5	16	2	21.2	58	6.2	182	8
18/12/24 15:40	17	11	28	2	21.0	60	6.6	187	7
18/12/24 15:45	11	5	17	2	21.2	58	6.7	183	9
18/12/24 15:50	10	5	15	2	21.0	59	6.4	183	11
18/12/24 15:55	10	4	13	2	21.2	59	6.4	184	9
18/12/24 16:00	9	4	13	2	21.3	58	6.8	184	8
18/12/24 16:05	10	5	15	2	20.9	59	6.6	186	8
18/12/24 16:10	10	7	17	2	20.9	60	6.1	183	10
18/12/24 16:15	10	6	16	2	21.0	58	6.5	184	9
18/12/24 16:20	11	6	17	2	20.9	58	7.0	185	9
18/12/24 16:25	13	9	22	2	20.8	61	6.7	186	9
18/12/24 16:30	25	2	27	2	20.8	60	6.4	186	7
18/12/24 16:35	13	4	17	2	20.8	59	6.4	183	9
18/12/24 16:40	10	4	14	2	20.8	59	6.8	185	8
18/12/24 16:45	9	6	15	2	20.9	60	5.7	184	10
18/12/24 16:50	7	5	12	2	21.1	60	5.9	183	10
18/12/24 16:55	7	4	11	2	21.1	58	5.9	183	10
18/12/24 17:00	10	10	20	2	21.2	60	5.4	183	10
18/12/24 17:05	7	4	11	2	21.2	57	5.3	183	10
18/12/24 17:10	6	4	10	2	21.2	58	5.5	184	9
18/12/24 17:15	7	6	13	2	20.9	58	5.9	183	11
18/12/24 17:20	7	4	11	2	21.0	58	5.3	181	12
18/12/24 17:25	8	6	14	2	21.1	58	5.5	184	10
18/12/24 17:30	8	4	13	2	21.2	58	4.8	181	12
18/12/24 17:35	7	5	12	3	21.2	59	4.9	180	13
18/12/24 17:40	7	5	12	2	21.3	59	4.6	178	13
18/12/24 17:45	6	2	7	2	21.5	58	4.3	180	15
18/12/24 17:50	5	4	9	2	21.3	56	5.1	181	14
18/12/24 17:55	3	3	6	2	21.1	58	4.5	167	17
18/12/24 18:00	2	2	4	2	21.2	58	4.0	174	18
18/12/24 18:05	3	3	5	2	21.4	56	4.1	179	16
18/12/24 18:10	3	4	7	2	21.4	57	4.0	174	18
18/12/24 18:15	4	4	7	2	21.2	56	4.8	180	12
18/12/24 18:20	4	4	8	2	21.0	57	4.3	178	14
18/12/24 18:25	5	4	9	2	21.1	57	4.2	173	16
18/12/24 18:30	6	4	10	2	21.0	55	4.7	181	12
18/12/24 18:35	7	4	12	2	20.8	55	4.5	178	14
18/12/24 18:40	5	3	9	2	20.8	56	4.2	172	14
18/12/24 18:45	4	2	6	2	21.0	56	4.3	179	14
18/12/24 18:50	5	6	11	2	20.6	54	4.5	181	13
18/12/24 18:55	3	2	5	2	20.6	56	4.1	174	16
18/12/24 19:00	7	4	11	2	20.5	56	4.1	180	15

Station Pier Ambient Air Quality Monitoring
December 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 (°)
18/12/24 19:05	4	4	9	2	20.5	56	3.5	174	17
18/12/24 19:10	4	4	9	2	20.4	56	3.7	174	16
18/12/24 19:15	5	5	10	2	20.2	55	4.2	175	17
18/12/24 19:20	4	3	7	2	20.1	57	3.7	175	14
18/12/24 19:25	5	5	11	2	20.0	59	3.9	174	14
18/12/24 19:30	4	3	7	2	19.9	59	3.8	166	19
18/12/24 19:35	2	3	6	2	19.7	61	3.1	175	19
18/12/24 19:40	2	2	4	2	19.5	61	3.9	173	16
18/12/24 19:45	2	3	5	2	19.4	62	3.6	171	16
18/12/24 19:50	2	1	4	2	19.2	63	3.0	164	27
18/12/24 19:55	2	0	2	2	19.1	63	3.6	156	22
18/12/24 20:00	1	0	2	2	18.8	60	5.4	137	13
18/12/24 20:05	1	0	1	2	18.7	63	5.0	136	15
18/12/24 20:10	1	1	1	2	18.7	65	3.8	150	23
18/12/24 20:15	1	1	1	2	18.8	64	4.4	147	23
18/12/24 20:20	0	1	1	2	18.5	64	4.8	138	21
18/12/24 20:25	0	1	1	2	18.3	64	5.5	138	15
18/12/24 20:30	0	1	1	2	18.4	66	4.3	141	22
18/12/24 20:35	0	1	1	2	18.2	67	4.9	129	16
18/12/24 20:40	0	1	1	2	18.1	66	5.8	128	12
18/12/24 20:45	0	1	1	2	18.0	67	5.7	131	13
18/12/24 20:50	0	1	1	2	17.9	67	4.9	131	13
18/12/24 20:55	0	1	1	2	18.0	67	6.2	131	15
18/12/24 21:00	0	1	1	2	17.8	67	6.6	132	11
18/12/24 21:05	0	1	1	2	17.7	68	6.5	128	11
18/12/24 21:10	0	1	1	2	17.6	68	6.2	130	11
18/12/24 21:15	0	1	1	2	17.7	69	5.2	133	15
18/12/24 21:20	0	1	1	2	17.6	69	5.6	135	14
18/12/24 21:25	0	1	1	2	17.5	69	5.8	135	11
18/12/24 21:30	0	1	1	2	17.6	70	5.1	129	16
18/12/24 21:35	0	1	1	2	17.6	70	5.9	127	11
18/12/24 21:40	0	1	1	2	17.5	70	5.1	129	16
18/12/24 21:45	0	1	1	2	17.4	70	5.7	134	15
18/12/24 21:50	0	1	1	2	17.4	71	4.2	123	18
18/12/24 21:55	0	1	1	1	17.2	71	4.4	118	15
18/12/24 22:00	0	1	1	2	17.3	71	4.9	123	12
18/12/24 22:05	0	1	1	2	17.2	72	4.5	115	13
18/12/24 22:10	0	1	1	2	17.3	71	4.1	121	19
18/12/24 22:15	0	1	1	2	17.2	71	4.6	124	14
18/12/24 22:20	0	1	1	2	17.1	72	4.8	121	18
18/12/24 22:25	0	1	1	2	17.3	73	4.0	113	14
18/12/24 22:30	0	1	1	2	17.2	73	4.5	106	12
18/12/24 22:35	0	1	1	2	17.3	73	5.1	105	10
18/12/24 22:40	0	1	1	2	17.1	72	4.8	107	9
18/12/24 22:45	0	1	1	2	17.0	72	4.1	112	15
18/12/24 22:50	0	1	1	2	16.9	73	4.5	113	18
18/12/24 22:55	0	1	1	2	16.9	73	3.4	109	17
18/12/24 23:00	0	1	1	2	16.9	73	4.2	110	13
18/12/24 23:05	0	1	1	2	16.7	73	3.9	111	16
18/12/24 23:10	0	1	1	2	16.7	73	4.2	110	13
18/12/24 23:15	0	1	1	2	16.6	73	3.5	109	17
18/12/24 23:20	0	1	1	2	16.6	74	4.0	108	11
18/12/24 23:25	0	1	1	2	16.6	74	3.6	124	16
18/12/24 23:30	0	1	1	2	16.5	75	3.4	109	17
18/12/24 23:35	0	1	1	2	16.5	74	3.2	117	16
18/12/24 23:40	0	1	1	2	16.3	74	3.3	123	17
18/12/24 23:45	0	1	2	2	16.4	75	2.7	107	15
18/12/24 23:50	0	1	2		16.4	74	3.0	111	15
18/12/24 23:55	0	1	2		16.3	74	2.9	123	16
19/12/24 00:00	0	1	2	2	16.3	75	3.4	131	16
19/12/24 00:05	0	2	2	2	16.2	75	4.0	132	16
19/12/24 00:10	0	2	2	2	16.0	74	3.6	126	19
19/12/24 00:15	0	2	2	1	16.1	75	3.6	121	15
19/12/24 00:20	0	2	2	1	16.0	75	3.6	126	13
19/12/24 00:25	0	2	2	2	16.0	75	3.4	126	14
19/12/24 00:30	0	2	2	2	16.0	76	3.0	124	20
19/12/24 00:35	0	2	2	2	16.1	76	2.7	119	17
19/12/24 00:40	0	2	3	2	16.1	76	2.4	123	26
19/12/24 00:45	0	2	2	2	16.0	75	3.1	134	20
19/12/24 00:50	0	2	2	2	16.0	75	3.1	139	19
19/12/24 00:55	0	2	3	2	15.9	76	3.0	135	17
19/12/24 01:00	0	3	3	2	16.0	76	2.5	144	25
19/12/24 01:05					15.9	75	2.7	140	18
19/12/24 01:10					15.8	75	4.0	133	12
19/12/24 01:15					15.9	76	3.2	135	16
19/12/24 01:20					15.9	76	3.4	136	18
19/12/24 01:25					15.8	77	2.7	135	25
19/12/24 01:30					15.8	76	3.3	128	17
19/12/24 01:35					15.8	76	3.1	130	23
19/12/24 01:40					15.8	76	3.3	127	18
19/12/24 01:45					15.7	75	3.2	122	16
19/12/24 01:50					15.7	75	2.8	113	19
19/12/24 01:55					15.6	76	2.4	115	19
19/12/24 02:00					15.6	76	3.2	125	18

Station Pier Ambient Air Quality Monitoring

December 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 (°)
19/12/24 02:05	0	3	3	2	15.5	75	2.8	123	14
19/12/24 02:10	0	3	3	2	15.5	76	2.9	112	16
19/12/24 02:15	0	3	3	2	15.4	77	4.3	103	8
19/12/24 02:20	0	4	4	2	15.5	76	3.8	101	10
19/12/24 02:25	0	4	4	2	15.4	75	4.3	115	17
19/12/24 02:30	0	4	4	2	15.3	76	3.1	115	16
19/12/24 02:35	0	4	4	2	15.3	77	3.4	113	16
19/12/24 02:40	0	4	3	2	15.4	79	3.3	110	17
19/12/24 02:45	0	4	4	2	15.3	78	3.7	103	13
19/12/24 02:50	0	4	4	2	15.2	78	3.6	104	15
19/12/24 02:55	0	4	4	2	15.0	78	3.2	109	17
19/12/24 03:00	0	4	4	1	15.0	78	4.7	99	7
19/12/24 03:05	0	4	4	1	14.8	78	3.2	91	10
19/12/24 03:10	0	4	4	1	14.3	77	3.5	89	7
19/12/24 03:15	0	4	4	1	14.2	77	2.6	88	11
19/12/24 03:20	0	4	4	2	14.1	78	2.2	92	9
19/12/24 03:25	0	4	4	2	14.1	78	1.3	79	17
19/12/24 03:30	0	4	4	2	14.0	78	1.2	69	15
19/12/24 03:35	0	4	4	2	13.9	78	0.9	45	18
19/12/24 03:40	0	4	4	2	13.8	78	0.8	51	16
19/12/24 03:45	0	4	4	2	13.8	78	0.8	73	16
19/12/24 03:50	0	4	4	2	13.8	78	1.3	86	15
19/12/24 03:55	0	4	4	2	13.8	78	1.3	94	12
19/12/24 04:00	0	4	5	2	13.8	78	1.3	87	12
19/12/24 04:05	0	5	5	2	13.8	78	1.4	86	5
19/12/24 04:10	0	5	5	2	13.7	78	1.0	76	13
19/12/24 04:15	0	5	5	2	13.7	78	0.8	79	15
19/12/24 04:20	0	5	6	1	13.7	78	0.9	44	8
19/12/24 04:25	0	6	6	1	13.6	79	1.0	33	8
19/12/24 04:30	0	7	7	1	13.6	79	1.2	34	9
19/12/24 04:35	1	7	7	2	13.5	79	0.8	47	7
19/12/24 04:40	1	7	8	2	13.5	79	0.8	42	5
19/12/24 04:45	1	8	9	2	13.5	80	0.7	35	6
19/12/24 04:50	1	8	9	2	13.4	80	0.7	22	13
19/12/24 04:55	3	15	17	2	13.5	80	0.6	24	24
19/12/24 05:00	7	16	22	2	13.4	80	0.8	35	8
19/12/24 05:05	7	15	21	2	13.4	80	1.2	40	6
19/12/24 05:10	18	10	29	2	13.4	80	0.8	30	12
19/12/24 05:15	15	14	29	2	13.5	79	0.7	15	23
19/12/24 05:20	17	16	33	2	13.7	79	0.9	12	19
19/12/24 05:25	23	16	39	2	13.8	79	1.0	359	18
19/12/24 05:30	27	16	43	2	14.1	78	1.1	350	29
19/12/24 05:35	37	18	55	2	14.1	78	1.4	347	28
19/12/24 05:40	37	16	53	2	14.2	78	1.2	357	30
19/12/24 05:45	38	16	54	2	14.2	78	1.2	358	24
19/12/24 05:50	42	15	57	2	14.4	77	1.1	2	26
19/12/24 05:55	49	17	66	3	14.5	77	1.5	3	13
19/12/24 06:00	54	15	69	2	14.5	77	1.6	4	12
19/12/24 06:05	56	15	71	2	14.8	76	1.4	355	19
19/12/24 06:10	55	16	71	2	14.9	76	1.0	344	31
19/12/24 06:15	54	16	71	2	15.0	75	1.2	340	24
19/12/24 06:20	54	17	70	2	15.0	75	0.7	336	37
19/12/24 06:25	54	17	70	2	15.2	74	1.0	318	27
19/12/24 06:30	46	23	69	2	15.2	74	1.2	323	25
19/12/24 06:35	30	14	44	2	15.2	74	1.4	337	30
19/12/24 06:40	30	14	44	2	15.4	73	1.0	344	27
19/12/24 06:45	31	14	45	3	15.6	74	1.3	298	28
19/12/24 06:50	22	19	41	2	15.5	73	2.0	329	21
19/12/24 06:55	20	14	35	2	15.6	73	1.3	338	31
19/12/24 07:00	20	14	34	2	15.9	72	1.1	330	38
19/12/24 07:05	21	13	34	2	16.1	71	1.9	319	22
19/12/24 07:10	21	13	34	2	16.2	70	2.0	341	28
19/12/24 07:15	21	13	34	3	16.4	70	2.7	288	15
19/12/24 07:20	22	13	35	3	16.3	71	1.8	311	30
19/12/24 07:25	23	13	36	3	16.7	69	1.1	333	34
19/12/24 07:30	23	13	36	3	16.8	68	1.4	318	43
19/12/24 07:35	22	13	35	3	17.1	67	1.6	342	38
19/12/24 07:40	20	13	34	3	17.4	67	1.3	312	36
19/12/24 07:45	19	13	32	3	17.3	66	1.6	314	35
19/12/24 07:50	21	19	39	3	17.7	64	1.7	14	24
19/12/24 07:55	20	13	33	3	18.2	63	1.4	347	38
19/12/24 08:00	16	11	26	3	18.1	63	1.7	297	19
19/12/24 08:05	15	10	25	3	18.2	63	1.6	313	27
19/12/24 08:10	14	11	25	2	18.3	62	2.1	296	16
19/12/24 08:15	14	10	25	2	18.3	62	2.2	291	22
19/12/24 08:20	15	10	25	2	18.4	62	1.0	293	55
19/12/24 08:25	16	11	27	2	19.0	60	1.3	22	23
19/12/24 08:30	19	13	32	3	19.7	59	0.5	227	69
19/12/24 08:35	21	12	33	3	20.2	56	0.4	35	55
19/12/24 08:40	21	12	33	3	20.4	55	1.1	326	33
19/12/24 08:45	19	13	32	3	20.3	55	0.9	257	32
19/12/24 08:50	18	13	32	3	20.4	56	1.2	195	18
19/12/24 08:55	18	13	31	3	20.6	55	1.2	213	20
19/12/24 09:00	17	13	31	3	20.6	56	1.4	206	10

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
19/12/24 09:05	20	16	36	3	21.1	57	0.6	168	50
19/12/24 09:10	47	18	65	4	21.6	55	1.2	171	30
19/12/24 09:15	45	20	65	4	22.1	54	1.4	93	48
19/12/24 09:20	25	15	40	3	22.1	55	1.7	124	35
19/12/24 09:25	25	16	40	3	22.0	56	1.5	145	22
19/12/24 09:30	26	16	41	4	22.2	56	1.4	175	32
19/12/24 09:35	32	15	47	4	21.6	60	1.8	191	44
19/12/24 09:40	33	18	50	3	21.7	54	0.6	321	68
19/12/24 09:45	4	6	10	3	23.4	42	2.7	335	30
19/12/24 09:50	3	6	9	2	25.0	38	3.7	25	19
19/12/24 09:55	4	6	10	2	25.3	39	2.0	320	40
19/12/24 10:00	4	6	9	2	25.1	38	2.6	310	32
19/12/24 10:05	3	6	9	2	24.8	40	2.6	285	19
19/12/24 10:10	3	5	8	2	25.2	39	2.0	317	35
19/12/24 10:15	2	5	8	2	25.3	37	0.5	327	76
19/12/24 10:20				2	25.6	40	1.0	201	58
19/12/24 10:25	72	23	95	3	23.4	56	2.9	214	26
19/12/24 10:30	71	28	100	4	22.0	59	1.9	192	32
19/12/24 10:35	40	16	55	4	21.8	62	5.1	194	10
19/12/24 10:40	51	23	74	4	21.9	61	3.6	167	15
19/12/24 10:45	19	15	34	3	22.3	62	2.6	172	18
19/12/24 10:50	36	18	54	3	22.2	60	3.7	191	11
19/12/24 10:55	43	19	62	3	22.3	60	2.7	169	20
19/12/24 11:00	12	12	24	3	22.7	59	2.7	167	19
19/12/24 11:05	13	13	26	3	23.1	58	2.9	165	18
19/12/24 11:10	14	15	29	3	23.0	58	2.4	168	20
19/12/24 11:15	15	16	30	3	23.4	58	2.4	172	20
19/12/24 11:20	14	14	28	3	23.4	58	3.0	158	17
19/12/24 11:25	13	11	24	3	23.4	59	2.2	150	25
19/12/24 11:30	12	11	23	3	23.0	58	2.8	146	22
19/12/24 11:35	21	18	38	3	23.2	60	1.7	156	29
19/12/24 11:40	11	12	23	3	23.4	58	2.2	155	26
19/12/24 11:45	7	12	19	2	23.6	60	1.8	161	28
19/12/24 11:50	7	12	19	2	24.0	59	2.4	163	22
19/12/24 11:55	8	12	19	2	24.2	60	2.3	165	20
19/12/24 12:00	8	12	20	2	24.1	59	2.3	154	23
19/12/24 12:05	7	12	18	2	24.2	61	1.7	157	27
19/12/24 12:10	6	11	18	2	24.2	60	2.2	146	23
19/12/24 12:15	6	11	17	2	24.2	60	2.0	146	28
19/12/24 12:20	5	11	16	2	24.5	60	2.0	156	27
19/12/24 12:25	6	11	16	2	25.0	58	2.3	155	19
19/12/24 12:30	6	11	17	2	25.2	59	2.1	153	25
19/12/24 12:35	7	11	18	2	25.4	60	2.7	154	18
19/12/24 12:40	6	9	15	2	25.3	61	2.5	150	19
19/12/24 12:45	6	10	15	2	25.2	61	3.2	163	15
19/12/24 12:50	6	10	16	2	25.6	57	3.1	160	15
19/12/24 12:55	5	10	14	2	25.8	60	3.4	160	15
19/12/24 13:00	4	9	13	2	25.5	61	3.0	166	18
19/12/24 13:05	4	9	13	2	25.8	62	2.4	160	23
19/12/24 13:10	4	9	13	2	25.9	62	2.1	163	28
19/12/24 13:15	4	9	12	2	26.0	61	3.0	162	18
19/12/24 13:20	3	9	12	2	25.9	61	3.3	164	19
19/12/24 13:25	3	6	9	2	25.9	62	3.1	163	20
19/12/24 13:30	2	6	9	2	26.1	62	2.7	163	22
19/12/24 13:35	2	6	8	2	26.1	62	3.1	159	20
19/12/24 13:40	2	6	8	2	26.0	61	2.8	166	18
19/12/24 13:45	2	6	8	2	26.1	61	3.0	161	19
19/12/24 13:50	1	6	7	2	26.2	60	3.0	158	20
19/12/24 13:55	2	6	8	2	26.4	60	2.8	168	18
19/12/24 14:00	2	8	10	2	26.9	58	2.6	175	16
19/12/24 14:05	2	7	8	2	26.9	59	2.7	157	26
19/12/24 14:10	2	6	7	2	26.9	59	3.0	161	20
19/12/24 14:15	2	5	6	2	26.8	57	3.1	162	20
19/12/24 14:20	1	4	5	2	26.9	57	1.7	164	31
19/12/24 14:25	1	3	4	2	27.1	54	2.5	152	26
19/12/24 14:30	1	3	4	2	27.1	53	2.0	154	33
19/12/24 14:35	1	4	4	2	26.8	53	3.3	147	20
19/12/24 14:40	1	3	4	2	26.6	57	2.3	158	28
19/12/24 14:45	0	3	4	2	26.8	56	2.6	160	25
19/12/24 14:50	0	3	4	2	27.1	54	2.3	160	29
19/12/24 14:55	0	3	4	2	27.1	54	3.5	162	20
19/12/24 15:00	0	3	3	2	27.2	54	3.2	161	20
19/12/24 15:05	0	3	3	2	27.2	54	3.2	163	18
19/12/24 15:10	0	3	3	2	27.3	54	3.4	167	17
19/12/24 15:15	0	3	3	2	27.3	52	3.1	163	21
19/12/24 15:20	0	3	3	2	27.4	51	2.5	157	30
19/12/24 15:25	0	3	3	2	27.7	48	3.6	159	16
19/12/24 15:30	0	3	3	2	27.6	48	3.2	164	21
19/12/24 15:35	0	3	3	1	27.9	47	3.3	170	18
19/12/24 15:40	0	3	3	1	27.9	47	3.3	165	17
19/12/24 15:45	0	3	3	2	28.0	44	3.7	169	14
19/12/24 15:50	0	3	3	2	28.1	45	3.4	164	21
19/12/24 15:55	0	2	3	2	27.8	46	3.4	159	18
19/12/24 16:00	0	2	3	2	27.7	46	3.2	157	20

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
19/12/24 16:05	0	2	3	2	27.7	44	3.5	159	19
19/12/24 16:10	0	2	2	2	27.7	46	3.3	154	21
19/12/24 16:15	0	2	2	2	27.8	45	3.4	162	21
19/12/24 16:20	0	2	2	2	27.7	47	2.9	151	23
19/12/24 16:25	0	2	2	2	27.7	47	2.3	157	30
19/12/24 16:30	0	2	2	2	27.8	48	2.3	149	36
19/12/24 16:35	0	2	2	1	27.6	48	2.8	148	27
19/12/24 16:40	1	2	3	2	27.7	50	2.2	154	33
19/12/24 16:45	1	3	3	1	27.9	50	2.4	157	27
19/12/24 16:50	1	3	3	2	27.9	47	2.7	155	26
19/12/24 16:55	1	2	3	2	27.7	46	2.8	144	29
19/12/24 17:00	0	2	3	1	27.8	48	2.7	153	28
19/12/24 17:05	0	2	2	1	27.9	48	3.4	160	19
19/12/24 17:10	0	2	2	2	28.0	48	3.1	165	16
19/12/24 17:15	0	2	2	2	27.8	50	3.2	160	21
19/12/24 17:20	0	2	2	1	27.9	49	3.6	168	17
19/12/24 17:25	0	2	2	1	27.8	53	3.3	161	18
19/12/24 17:30	1	2	3	1	27.4	55	2.3	162	29
19/12/24 17:35	1	2	3	1	27.5	55	2.2	153	30
19/12/24 17:40	0	2	2	1	27.9	46	3.4	132	18
19/12/24 17:45	0	2	3	2	28.7	36	4.0	124	14
19/12/24 17:50	0	3	3	2	29.2	36	3.7	112	19
19/12/24 17:55	0	3	4	2	29.3	34	5.8	103	6
19/12/24 18:00	0	3	4	2	29.4	35	5.9	103	5
19/12/24 18:05	0	3	4	2	29.4	34	5.3	107	8
19/12/24 18:10	0	3	4	2	29.2	35	6.4	104	4
19/12/24 18:15	0	3	4	2	29.0	37	6.2	105	6
19/12/24 18:20	0	3	3	2	28.9	35	5.9	104	6
19/12/24 18:25	0	3	3	2	29.1	33	6.0	100	6
19/12/24 18:30	0	3	3	2	29.2	33	6.2	101	10
19/12/24 18:35	0	3	3	2	28.9	36	3.8	114	16
19/12/24 18:40	0	3	3	2	28.7	38	6.1	104	6
19/12/24 18:45	0	3	3	2	28.5	37	6.6	105	6
19/12/24 18:50	0	3	3	2	28.6	34	6.9	101	5
19/12/24 18:55	0	3	3	2	28.6	34	7.0	101	4
19/12/24 19:00	0	3	3	2	28.7	31	6.3	96	6
19/12/24 19:05	0	3	3	2	28.8	30	5.0	93	8
19/12/24 19:10	0	3	3	1	28.8	29	6.0	96	7
19/12/24 19:15	0	3	3	2	28.7	31	6.0	97	6
19/12/24 19:20	0	3	4	2	28.4	34	5.0	99	7
19/12/24 19:25	0	4	4	2	28.1	35	5.8	96	6
19/12/24 19:30	0	4	4	2	28.1	37	5.2	98	5
19/12/24 19:35	0	4	4	2	27.9	36	4.5	97	7
19/12/24 19:40	0	4	4	2	27.6	41	5.5	104	8
19/12/24 19:45	0	4	4	2	27.3	40	6.7	106	6
19/12/24 19:50	0	4	4	2	27.1	40	6.3	103	6
19/12/24 19:55	0	4	4	2	26.8	38	6.9	99	5
19/12/24 20:00	0	4	4	2	26.9	36	5.5	97	5
19/12/24 20:05	0	4	4	2	26.9	34	5.6	93	8
19/12/24 20:10	0	4	5	2	26.9	32	6.1	91	6
19/12/24 20:15	0	4	4	2	26.8	33	6.0	93	6
19/12/24 20:20	0	4	4	2	26.6	34	4.4	89	7
19/12/24 20:25	0	4	4	2	26.5	33	4.4	92	9
19/12/24 20:30	0	5	5	2	26.3	34	4.7	93	6
19/12/24 20:35	0	5	5	2	26.2	36	5.0	97	6
19/12/24 20:40	0	5	5	2	26.0	35	5.4	90	7
19/12/24 20:45	0	5	5	2	25.9	35	4.9	92	7
19/12/24 20:50	0	5	5	2	25.8	34	3.7	83	10
19/12/24 20:55	0	5	5	2	25.7	35	3.2	83	9
19/12/24 21:00	0	5	6	1	25.6	35	4.0	84	9
19/12/24 21:05	0	6	6	1	25.4	36	3.8	88	9
19/12/24 21:10	0	6	6	2	25.3	37	3.6	89	8
19/12/24 21:15	0	6	7	2	25.3	37	3.1	86	7
19/12/24 21:20	0	7	7	2	25.2	38	2.6	87	9
19/12/24 21:25	0	7	7	2	25.0	39	2.6	86	10
19/12/24 21:30	0	7	7	2	24.9	38	2.7	82	8
19/12/24 21:35	0	8	8	2	24.8	38	2.0	78	12
19/12/24 21:40	0	8	8	2	24.8	39	1.8	85	13
19/12/24 21:45	0	8	9	2	24.6	39	1.8	86	11
19/12/24 21:50	0	8	8	2	24.5	39	1.4	87	13
19/12/24 21:55	0	8	8	2	24.5	39	1.3	82	19
19/12/24 22:00	0	8	8	2	24.4	42	1.3	97	10
19/12/24 22:05	0	8	8	2	24.2	42	1.6	99	10
19/12/24 22:10	0	8	8	2	24.1	43	1.6	99	10
19/12/24 22:15	0	8	8	2	24.1	45	1.9	101	6
19/12/24 22:20	0	8	8	2	24.0	45	1.6	107	9
19/12/24 22:25	0	8	8	2	23.9	44	1.4	114	16
19/12/24 22:30	0	8	9	2	23.8	44	1.3	126	15
19/12/24 22:35	0	9	9	2	23.7	47	1.2	113	16
19/12/24 22:40	0	9	9	2	23.7	52	1.1	109	21
19/12/24 22:45	0	8	9	2	23.5	53	1.4	106	15
19/12/24 22:50	0	8	8	2	23.3	54	1.1	116	23
19/12/24 22:55	0	7	8	2	23.0	52	1.4	118	21
19/12/24 23:00	0	7	7	1	22.9	52	1.6	116	21

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
19/12/24 23:05	0	7	7	1	22.8	51	2.1	123	16
19/12/24 23:10	0	6	7	1	22.6	52	1.7	119	17
19/12/24 23:15	0	6	6	1	22.6	51	1.7	118	18
19/12/24 23:20	0	6	6	2	22.5	50	1.6	118	18
19/12/24 23:25	0	6	6	1	22.5	51	1.4	109	19
19/12/24 23:30	0	6	6	1	22.3	52	1.5	107	16
19/12/24 23:35	0	5	6	2	22.3	53	1.9	102	11
19/12/24 23:40	0	6	6	2	22.2	55	2.2	97	4
19/12/24 23:45	0	6	6	2	22.0	54	2.0	97	4
19/12/24 23:50	0	6	6		21.9	51	1.9	98	2
19/12/24 23:55	0	7	7		22.0	52	1.4	101	5
20/12/24 00:00	0	7	7	2	21.8	49	1.1	84	11
20/12/24 00:05	0	8	8	2	21.8	48	0.8	62	21
20/12/24 00:10	0	9	9	2	21.7	49	0.4	23	14
20/12/24 00:15	0	9	9	2	21.6	50	0.3	56	31
20/12/24 00:20	0	10	10	3	21.5	50	0.3	11	24
20/12/24 00:25	0	10	10	2	21.4	50	0.2	102	39
20/12/24 00:30	0	11	11	2	21.4	50	0.3	104	18
20/12/24 00:35	1	11	12	2	21.4	50	0.5	101	5
20/12/24 00:40	1	12	14	2	21.4	52	0.9	111	8
20/12/24 00:45	1	13	13	2	21.3	56	0.7	107	7
20/12/24 00:50	0	13	14	3	21.3	56	0.7	114	11
20/12/24 00:55	0	14	14	3	21.3	56	1.1	129	11
20/12/24 01:00	0	14	14	3	21.3	60	1.5	146	22
20/12/24 01:05					21.2	61	2.5	127	9
20/12/24 01:10					21.1	62	1.4	110	22
20/12/24 01:15					20.9	61	1.9	113	19
20/12/24 01:20					20.9	60	1.9	102	6
20/12/24 01:25					20.9	59	1.3	106	8
20/12/24 01:30					20.8	56	0.7	108	20
20/12/24 01:35					20.9	55	0.7	112	23
20/12/24 01:40					20.7	58	0.9	98	15
20/12/24 01:45					20.6	57	1.8	96	5
20/12/24 01:50					20.3	53	1.7	83	7
20/12/24 01:55					20.5	52	1.7	73	10
20/12/24 02:00					21.0	49	2.1	71	10
20/12/24 02:05	0	7	7	3	21.1	49	1.6	88	13
20/12/24 02:10	0	6	6	3	21.1	52	1.5	110	9
20/12/24 02:15	0	8	8	3	20.9	55	1.1	111	14
20/12/24 02:20	0	9	9	3	20.8	56	1.2	110	13
20/12/24 02:25	0	9	10	3	20.7	56	1.5	92	10
20/12/24 02:30	0	10	10	3	20.5	55	1.5	85	6
20/12/24 02:35	0	10	10	3	20.4	54	0.6	58	19
20/12/24 02:40	0	10	10	3	20.3	53	0.7	53	16
20/12/24 02:45	0	9	9	2	20.1	54	0.7	18	21
20/12/24 02:50	0	9	9	2	20.1	53	0.8	28	19
20/12/24 02:55	0	9	9	3	20.2	53	0.7	44	14
20/12/24 03:00	0	9	9	3	20.2	53	0.5	64	12
20/12/24 03:05	0	9	9	3	20.1	53	0.5	87	9
20/12/24 03:10	0	9	9	3	20.1	54	0.8	93	8
20/12/24 03:15	0	9	9	3	20.1	53	1.1	75	9
20/12/24 03:20	0	9	9	3	20.0	54	0.7	70	12
20/12/24 03:25	0	9	9	3	19.8	54	1.0	43	8
20/12/24 03:30	0	9	9	2	19.8	55	1.1	35	9
20/12/24 03:35	0	9	9	2	19.6	56	1.0	31	13
20/12/24 03:40	0	9	9	2	19.6	56	1.4	38	8
20/12/24 03:45	0	9	9	2	19.4	56	1.4	42	5
20/12/24 03:50	0	10	10	2	19.4	56	1.3	38	6
20/12/24 03:55	1	10	11	2	19.4	56	1.0	26	13
20/12/24 04:00	4	15	19	2	19.4	56	0.9	3	20
20/12/24 04:05	11	20	31	2	19.4	55	0.9	7	19
20/12/24 04:10	12	21	33	3	19.4	55	1.0	357	13
20/12/24 04:15	13	22	35	3	19.3	56	0.9	349	14
20/12/24 04:20	13	22	35	3	19.3	56	1.2	333	10
20/12/24 04:25	13	22	35	3	19.2	56	0.8	327	20
20/12/24 04:30	13	22	35	3	19.2	57	0.8	345	15
20/12/24 04:35	14	22	35	3	19.2	56	1.1	358	10
20/12/24 04:40	15	22	36	3	19.1	57	1.0	4	16
20/12/24 04:45	17	22	38	3	19.0	57	1.0	338	27
20/12/24 04:50	17	22	39	3	19.1	59	0.9	290	25
20/12/24 04:55	25	19	44	3	19.2	59	1.4	297	16
20/12/24 05:00	45	23	69	3	19.1	60	1.5	295	15
20/12/24 05:05	36	26	62	4	19.1	58	1.2	305	13
20/12/24 05:10	34	25	60	4	19.0	58	0.6	336	31
20/12/24 05:15	35	25	60	4	19.1	59	0.4	354	30
20/12/24 05:20	31	24	56	4	19.1	58	0.9	353	20
20/12/24 05:25	19	23	41	4	19.1	58	0.9	351	28
20/12/24 05:30	14	22	36	4	19.1	58	0.6	347	32
20/12/24 05:35	14	23	37	3	19.2	58	0.5	355	37
20/12/24 05:40	16	23	39	3	19.2	57	0.5	42	23
20/12/24 05:45	41	24	65	3	19.1	58	0.9	29	10
20/12/24 05:50	30	23	54	4	19.1	58	0.9	27	7
20/12/24 05:55	26	21	47	3	19.2	59	0.8	28	9
20/12/24 06:00	26	20	47	4	19.1	59	1.0	35	11

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
20/12/24 06:05	27	20	47	3	19.2	59	1.1	29	13
20/12/24 06:10	27	21	48	3	19.6	58	1.1	27	18
20/12/24 06:15	26	21	47	3	20.0	55	0.8	24	20
20/12/24 06:20	25	21	47	3	20.3	54	2.0	26	11
20/12/24 06:25	26	21	47	3	20.6	54	1.5	54	14
20/12/24 06:30	29	21	50	3	20.7	53	1.5	59	13
20/12/24 06:35	32	21	53	3	21.0	53	0.6	45	38
20/12/24 06:40	32	22	54	3	21.3	52	0.9	356	34
20/12/24 06:45	28	21	49	3	21.5	52	0.8	349	39
20/12/24 06:50	21	21	41	3	21.6	51	0.6	21	40
20/12/24 06:55	20	22	41	3	21.9	50	0.9	21	43
20/12/24 07:00	25	25	50	3	22.2	50	1.0	67	30
20/12/24 07:05	36	27	63	3	22.6	48	0.9	89	23
20/12/24 07:10	35	26	62	3	22.9	49	0.9	203	15
20/12/24 07:15	34	26	60	3	22.9	50	0.7	153	32
20/12/24 07:20	33	26	59	3	23.3	48	0.9	127	17
20/12/24 07:25	32	26	58	4	23.8	48	1.2	142	15
20/12/24 07:30	31	26	57	4	23.7	48	1.0	148	29
20/12/24 07:35	26	19	45	3	23.8	48	1.1	147	25
20/12/24 07:40	17	20	36	3	24.0	48	1.6	127	17
20/12/24 07:45	16	19	34	3	24.1	47	0.9	139	38
20/12/24 07:50	15	18	33	4	24.3	47	0.5	170	61
20/12/24 07:55	15	19	33	4	24.5	45	0.3	8	74
20/12/24 08:00	16	19	35	3	25.1	44	0.4	131	79
20/12/24 08:05	17	20	37	3	24.6	48	1.4	181	12
20/12/24 08:10	16	20	37	4	24.9	48	1.2	165	21
20/12/24 08:15	13	17	30	3	25.3	49	1.1	161	30
20/12/24 08:20	10	16	25	3	25.7	47	1.5	159	22
20/12/24 08:25	8	16	24	3	25.6	48	1.3	174	21
20/12/24 08:30	8	15	23	3	25.7	46	1.2	148	17
20/12/24 08:35	7	14	22	3	26.0	46	1.1	148	30
20/12/24 08:40	7	14	21	3	25.8	47	0.9	152	34
20/12/24 08:45	7	14	20	3	26.0	47	1.2	148	29
20/12/24 08:50	6	13	20	4	25.9	45	1.4	149	28
20/12/24 08:55	6	13	19	3	25.8	48	2.0	150	22
20/12/24 09:00	6	13	19	3	25.6	51	1.9	157	22
20/12/24 09:05	6	13	20	3	25.6	50	1.3	179	35
20/12/24 09:10	7	14	20	3	25.6	51	1.9	177	24
20/12/24 09:15	8	15	22	3	25.9	51	1.2	134	38
20/12/24 09:20	6	11	16	3	25.9	55	1.4	164	31
20/12/24 09:25	6	14	21	3	26.1	51	1.7	136	28
20/12/24 09:30	6	15	20	3	25.9	55	0.8	170	62
20/12/24 09:35	7	16	23	3	26.6	48	0.9	62	57
20/12/24 09:40	3	7	10	3	28.7	34	2.5	24	27
20/12/24 09:45	2	5	7	3	30.0	31	2.9	24	24
20/12/24 09:50	2	6	8	3	28.6	41	1.8	253	41
20/12/24 09:55	2	6	8	3	29.4	32	2.8	24	22
20/12/24 10:00	2	5	7	3	30.2	30	3.1	23	20
20/12/24 10:05	2	5	7	3	30.6	29	3.3	28	22
20/12/24 10:10	2	6	7	3	30.8	29	3.3	41	15
20/12/24 10:15	2	6	8	3	31.2	29	2.6	30	22
20/12/24 10:20	1	7	8	3	31.2	28	3.3	12	17
20/12/24 10:25	1	6	8	3	31.4	29	1.6	353	31
20/12/24 10:30	2	6	8	3	31.9	28	2.0	8	26
20/12/24 10:35	2	6	8	3	31.8	27	2.5	5	19
20/12/24 10:40	2	6	8	3	32.0	27	3.4	44	15
20/12/24 10:45	1	6	8	3	32.1	27	2.1	3	26
20/12/24 10:50	2	6	8	3	32.2	27	3.0	357	18
20/12/24 10:55	1	6	7	3	32.2	26	1.9	9	34
20/12/24 11:00	1	5	7	3	32.4	26	2.4	21	22
20/12/24 11:05	1	6	7	3	32.6	25	2.1	9	28
20/12/24 11:10	2	5	7	3	32.8	26	2.4	30	25
20/12/24 11:15	3	6	8	3	33.2	25	2.6	24	23
20/12/24 11:20	3	6	9	2	33.3	25	3.1	21	22
20/12/24 11:25	2	4	6	2	33.2	24	1.7	22	30
20/12/24 11:30	2	5	6	2	33.4	25	1.5	47	36
20/12/24 11:35	1	5	7	2	33.7	24	1.8	354	31
20/12/24 11:40	1	5	6	2	33.4	24	1.5	353	46
20/12/24 11:45	1	5	6	2	33.1	24	1.7	4	45
20/12/24 11:50	1	5	6	2	33.2	24	2.4	19	26
20/12/24 11:55	1	5	6	3	33.7	24	1.6	32	38
20/12/24 12:00	1	5	5	2	33.6	24	1.5	317	46
20/12/24 12:05	1	4	5	2	33.7	23	1.7	34	39
20/12/24 12:10	1	4	5	2	33.8	23	2.4	43	30
20/12/24 12:15	1	5	5	2	33.9	23	2.7	52	18
20/12/24 12:20	1	5	6	2	34.2	22	3.1	59	22
20/12/24 12:25	1	5	6	3	34.1	23	3.6	47	15
20/12/24 12:30	1	5	6	3	34.1	23	2.7	54	22
20/12/24 12:35	1	5	6	3	34.5	22	3.5	54	15
20/12/24 12:40	1	6	7	3	34.6	22	3.5	57	29
20/12/24 12:45	1	6	7	3	34.7	22	2.9	22	31
20/12/24 12:50	1	6	7	3	34.8	21	4.1	19	21
20/12/24 12:55	1	6	7	3	34.5	21	3.4	22	17
20/12/24 13:00	1	5	6	3	34.3	22	2.8	41	21

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
20/12/24 13:05	1	5	6	3	34.8	21	3.4	44	14
20/12/24 13:10	1	4	5	3	34.5	22	4.2	65	15
20/12/24 13:15	1	4	5	3	34.8	22	3.9	37	21
20/12/24 13:20	1	5	5	3	35.0	21	3.0	36	29
20/12/24 13:25	1	4	5	3	35.0	21	3.0	35	21
20/12/24 13:30	1	4	5	2	35.3	21	3.0	40	26
20/12/24 13:35	1	5	5	2	35.6	21	3.1	2	21
20/12/24 13:40	1	5	5	2	35.2	20	2.6	23	37
20/12/24 13:45	1	5	6	2	35.3	21	2.7	45	23
20/12/24 13:50	1	5	6	2	35.2	21	3.5	23	17
20/12/24 13:55	1	5	5	2	35.1	21	3.6	28	22
20/12/24 14:00	3	9	11	2	35.4	21	4.3	45	20
20/12/24 14:05	3	8	11	3	35.3	21	2.8	33	29
20/12/24 14:10	1	5	6	3	35.7	20	3.3	14	21
20/12/24 14:15	1	5	6	3	35.6	20	3.6	12	25
20/12/24 14:20	1	5	6	3	35.7	20	4.5	21	17
20/12/24 14:25	1	6	7	3	35.6	20	2.5	14	20
20/12/24 14:30	1	6	7	3	35.7	20	3.4	18	21
20/12/24 14:35	1	6	7	3	35.0	20	3.0	64	22
20/12/24 14:40	0	6	6	3	35.0	21	3.1	88	13
20/12/24 14:45	0	5	6	3	35.0	21	3.3	70	16
20/12/24 14:50	0	6	6	3	34.9	20	2.3	57	18
20/12/24 14:55	0	6	7	3	35.0	20	2.3	360	27
20/12/24 15:00	0	7	7	3	33.5	29	4.7	215	23
20/12/24 15:05	0	7	7	3	32.1	30	3.4	174	13
20/12/24 15:10	0	6	7	3	32.5	32	2.3	157	17
20/12/24 15:15	1	6	7	3	32.6	32	2.1	167	20
20/12/24 15:20	1	6	7	3	32.2	37	3.2	192	18
20/12/24 15:25	0	4	4	3	31.3	34	4.3	187	11
20/12/24 15:30	0	4	5	2	32.0	32	3.0	203	22
20/12/24 15:35	0	4	4	3	29.6	44	9.6	197	11
20/12/24 15:40	0	3	3	3	25.3	61	12.3	195	5
20/12/24 15:45	0	2	3	3	24.8	62	11.1	190	5
20/12/24 15:50	0	2	2	3	24.7	63	11.8	193	5
20/12/24 15:55	0	2	2	3	24.5	63	12.8	192	5
20/12/24 16:00	0	3	3	3	24.1	66	12.3	194	3
20/12/24 16:05	0	4	4	3	24.1	67	11.1	192	5
20/12/24 16:10	0	4	4	3	23.8	69	11.0	195	4
20/12/24 16:15	0	3	3	3	23.6	70	10.2	194	4
20/12/24 16:20	0	3	3	3	23.6	69	10.2	195	5
20/12/24 16:25	0	2	2	3	23.4	71	8.9	193	5
20/12/24 16:30	0	2	2	3	23.3	71	9.4	195	4
20/12/24 16:35	0	2	2	3	23.2	72	8.9	196	5
20/12/24 16:40	0	2	2	3	23.2	72	8.2	196	5
20/12/24 16:45	0	2	2	3	23.1	72	8.6	192	4
20/12/24 16:50	0	2	1	3	23.2	71	7.9	190	5
20/12/24 16:55	0	2	2	3	23.3	71	6.5	188	6
20/12/24 17:00	0	3	3	3	23.7	70	5.0	185	8
20/12/24 17:05	1	4	5	3	23.8	66	5.7	186	9
20/12/24 17:10	1	3	4	3	23.7	67	6.5	188	5
20/12/24 17:15	1	7	8	3	23.6	70	6.1	189	5
20/12/24 17:20	1	4	5	3	23.5	69	6.2	190	5
20/12/24 17:25	1	1	2	3	23.5	71	5.8	189	6
20/12/24 17:30	1	1	2	3	23.1	71	6.4	191	6
20/12/24 17:35	1	2	3	3	23.1	74	7.7	195	5
20/12/24 17:40	1	1	2	3	22.6	76	7.6	194	5
20/12/24 17:45	0	1	2	3	22.4	76	8.0	192	6
20/12/24 17:50	0	2	2	3	22.3	76	8.3	192	4
20/12/24 17:55	0	2	2	3	22.0	78	8.1	194	7
20/12/24 18:00	0	1	2	3	22.0	78	7.5	190	6
20/12/24 18:05	0	2	2	3	22.1	77	6.5	188	8
20/12/24 18:10	0	2	3	3	22.0	78	6.9	188	7
20/12/24 18:15	0	2	2	3	22.0	78	6.6	190	7
20/12/24 18:20	0	1	1	2	21.9	74	6.7	188	5
20/12/24 18:25	0	1	1	2	22.0	73	5.1	186	8
20/12/24 18:30	0	1	1	3	22.4	70	5.4	185	9
20/12/24 18:35	0	1	2	2	22.2	68	5.5	185	7
20/12/24 18:40	0	1	1	2	22.2	65	6.9	187	4
20/12/24 18:45	0	2	2	3	22.4	64	5.8	186	7
20/12/24 18:50	0	2	3	3	22.3	62	5.8	183	7
20/12/24 18:55	0	2	2	3	22.5	60	5.5	186	8
20/12/24 19:00	0	2	3	2	22.5	60	7.1	187	6
20/12/24 19:05	1	2	2	3	22.4	59	6.9	186	7
20/12/24 19:10	0	1	1	2	22.3	62	6.7	188	6
20/12/24 19:15	0	1	1	3	22.1	63	6.9	189	5
20/12/24 19:20	0	1	1	3	21.8	66	6.2	188	6
20/12/24 19:25	0	1	1	3	21.7	65	6.2	187	5
20/12/24 19:30	0	1	1	2	21.6	69	5.8	187	7
20/12/24 19:35	0	1	1	3	21.5	67	6.3	186	7
20/12/24 19:40	0	1	1	3	21.4	66	5.7	183	8
20/12/24 19:45	0	1	1	3	21.3	68	5.5	187	7
20/12/24 19:50	1	1	2	3	21.1	68	4.7	185	8
20/12/24 19:55	1	2	3	2	21.1	70	4.6	186	8
20/12/24 20:00	3	10	12	2	21.2	71	4.2	183	11

Station Pier Ambient Air Quality Monitoring
December 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 (°)
20/12/24 20:05	7	7	13	2	21.1	71	4.2	185	8
20/12/24 20:10	4	5	10	2	21.0	72	5.0	186	8
20/12/24 20:15	2	2	3	2	21.0	72	5.4	185	8
20/12/24 20:20	1	1	1	2	20.8	74	5.8	189	6
20/12/24 20:25	0	1	2	2	20.7	74	5.0	186	6
20/12/24 20:30	1	1	2	2	20.7	76	5.4	187	8
20/12/24 20:35	0	1	1	2	20.7	76	6.6	188	6
20/12/24 20:40	0	1	1	3	20.4	76	6.8	186	6
20/12/24 20:45	0	1	1	3	20.3	79	7.4	189	4
20/12/24 20:50	0	1	1	2	20.2	79	7.3	188	7
20/12/24 20:55	0	1	1	2	20.0	78	6.7	186	5
20/12/24 21:00	0	2	2	2	19.9	78	6.7	184	6
20/12/24 21:05	0	2	2	2	19.9	79	7.3	188	6
20/12/24 21:10	0	2	2	2	19.9	80	7.2	188	7
20/12/24 21:15	0	2	2	2	19.8	78	6.2	184	7
20/12/24 21:20	0	1	2	2	19.7	77	6.9	186	6
20/12/24 21:25	0	1	2	2	19.7	78	6.0	185	7
20/12/24 21:30	0	1	1	2	19.7	79	6.1	186	7
20/12/24 21:35	0	1	2	2	19.8	80	6.5	189	7
20/12/24 21:40	0	2	2	3	19.8	77	7.0	190	7
20/12/24 21:45	0	1	2	3	19.7	79	7.6	200	8
20/12/24 21:50	0	1	1	2	19.5	80	8.2	203	6
20/12/24 21:55	0	1	1	2	19.4	80	7.7	204	6
20/12/24 22:00	0	2	2	2	19.4	80	7.6	203	7
20/12/24 22:05	0	2	2	2	19.4	79	7.4	197	5
20/12/24 22:10	0	1	1	3	19.5	80	7.4	197	4
20/12/24 22:15	0	1	1	3	19.4	80	6.4	193	7
20/12/24 22:20	0	1	1	3	19.5	78	7.3	196	7
20/12/24 22:25	0	1	1	2	19.4	78	7.5	201	5
20/12/24 22:30	0	1	1	3	19.4	78	6.7	197	5
20/12/24 22:35	0	1	1	2	19.3	78	7.5	197	5
20/12/24 22:40	0	1	1	2	19.3	79	6.7	200	6
20/12/24 22:45	0	2	2	2	19.4	78	7.5	205	5
20/12/24 22:50	0	2	2	2	19.2	77	7.6	208	5
20/12/24 22:55	0	1	2	3	19.2	77	7.8	209	6
20/12/24 23:00	0	2	2	2	19.1	78	7.2	203	5
20/12/24 23:05	0	2	2	3	19.2	80	7.7	206	5
20/12/24 23:10	0	2	2	3	19.0	79	7.1	206	5
20/12/24 23:15	0	2	2	3	19.1	79	7.2	208	6
20/12/24 23:20	0	1	2	3	18.9	80	7.9	207	4
20/12/24 23:25	0	2	2	3	18.9	79	8.1	207	6
20/12/24 23:30	0	1	1	3	18.8	77	8.3	213	4
20/12/24 23:35	0	1	1	3	18.8	78	8.4	207	5
20/12/24 23:40	0	1	1	2	18.9	79	7.9	209	5
20/12/24 23:45	0	1	1	2	18.8	78	8.7	211	4
20/12/24 23:50	0	1	1		18.8	78	8.2	206	6
20/12/24 23:55	0	1	1		18.7	78	8.3	205	5
21/12/24 00:00	0	1	2	2	18.7	78	8.5	198	5
21/12/24 00:05	0	2	2	2	18.7	78	8.2	203	5
21/12/24 00:10	0	2	2	2	18.8	79	8.1	203	4
21/12/24 00:15	0	1	2	2	18.7	78	8.3	204	5
21/12/24 00:20	0	1	2	2	18.7	78	8.2	205	7
21/12/24 00:25	0	1	2	2	18.7	78	8.0	204	7
21/12/24 00:30	0	1	2	2	18.8	77	8.0	203	6
21/12/24 00:35	0	2	2	2	18.8	76	9.3	201	5
21/12/24 00:40	0	1	1	2	18.8	76	9.0	204	6
21/12/24 00:45	0	1	1	2	18.8	76	9.2	195	5
21/12/24 00:50	0	1	1	2	18.7	76	8.9	200	9
21/12/24 00:55	0	1	1	2	18.8	75	9.1	202	6
21/12/24 01:00	0	1	2	2	18.8	76	8.6	206	7
21/12/24 01:05					18.8	76	8.8	207	6
21/12/24 01:10					18.8	75	8.4	201	7
21/12/24 01:15					18.8	76	8.5	204	6
21/12/24 01:20					19.0	76	8.4	204	6
21/12/24 01:25					18.8	75	7.7	199	6
21/12/24 01:30					18.8	76	7.7	203	7
21/12/24 01:35					18.9	74	8.3	197	5
21/12/24 01:40					18.8	73	8.0	200	4
21/12/24 01:45					19.0	73	7.2	195	7
21/12/24 01:50					18.9	73	5.7	186	8
21/12/24 01:55					19.0	75	6.9	199	8
21/12/24 02:00					18.8	74	6.4	194	9
21/12/24 02:05	0	2	2	2	18.9	72	6.5	188	10
21/12/24 02:10	0	1	2	2	18.8	73	7.5	194	7
21/12/24 02:15	0	1	1	2	19.0	75	7.7	201	6
21/12/24 02:20	0	1	1	2	18.9	75	7.8	197	8
21/12/24 02:25	0	1	1	2	18.9	75	7.1	197	7
21/12/24 02:30	0	1	1	2	18.9	76	7.6	192	6
21/12/24 02:35	0	1	1	2	18.6	72	5.6	188	8
21/12/24 02:40	0	1	1	2	18.7	75	7.5	194	7
21/12/24 02:45	0	1	1	2	18.8	75	7.9	196	6
21/12/24 02:50	0	1	1	2	18.9	72	8.1	192	7
21/12/24 02:55	0	1	1	2	18.8	74	7.9	194	4
21/12/24 03:00	0	1	1	2	18.8	72	7.7	190	7

Station Pier Ambient Air Quality Monitoring
December 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 (°)
21/12/24 03:05	0	1	1	2	18.7	72	8.0	192	6
21/12/24 03:10	0	1	1	2	18.9	71	6.9	188	9
21/12/24 03:15	0	1	1	2	18.9	70	6.4	190	8
21/12/24 03:20	0	1	1	2	18.9	68	7.4	189	9
21/12/24 03:25	0	1	1	2	18.9	70	6.4	188	7
21/12/24 03:30	0	1	1	2	18.8	70	7.3	189	7
21/12/24 03:35	0	1	1	2	18.8	67	7.1	186	7
21/12/24 03:40	0	1	1	2	18.7	64	5.5	183	9
21/12/24 03:45	0	1	1	2	18.7	68	5.1	182	8
21/12/24 03:50	0	1	1	1	18.7	70	4.8	178	11
21/12/24 03:55	0	1	1	2	18.7	71	4.7	177	11
21/12/24 04:00	0	1	1	2	18.6	72	4.4	177	13
21/12/24 04:05	0	1	1	2	18.7	73	4.0	174	13
21/12/24 04:10	0	1	1	2	18.8	72	3.7	173	16
21/12/24 04:15	0	1	1	2	18.8	71	3.5	177	14
21/12/24 04:20	0	2	2	2	18.8	72	3.7	175	14
21/12/24 04:25	0	1	2	2	18.9	71	4.6	179	12
21/12/24 04:30	0	1	1	2	18.9	73	3.7	174	13
21/12/24 04:35	0	1	1	2	18.9	73	3.7	177	15
21/12/24 04:40	0	1	1	2	18.7	74	6.2	187	7
21/12/24 04:45	0	1	1	2	18.6	75	5.0	184	9
21/12/24 04:50	0	1	1	2	18.4	72	6.0	185	6
21/12/24 04:55	0	1	1	2	18.5	75	6.2	186	8
21/12/24 05:00	0	1	2	2	18.5	74	5.5	181	7
21/12/24 05:05	0	1	2	2	18.5	73	5.4	181	9
21/12/24 05:10	0	1	1	2	18.5	72	5.7	184	9
21/12/24 05:15	1	4	5	2	18.5	69	5.8	183	9
21/12/24 05:20	4	6	10	2	18.7	69	4.9	177	10
21/12/24 05:25	1	2	3	2	18.9	70	4.6	178	10
21/12/24 05:30	1	2	2	2	18.9	70	4.5	180	12
21/12/24 05:35	2	3	5	2	19.1	75	3.9	176	12
21/12/24 05:40	18	7	25	2	19.1	74	4.1	178	25
21/12/24 05:45	2	2	4	2	18.5	70	3.3	99	15
21/12/24 05:50	1	2	3	2	18.2	72	2.7	108	17
21/12/24 05:55	1	2	4	2	18.2	73	1.6	142	30
21/12/24 06:00	2	3	5	2	18.2	72	1.6	110	30
21/12/24 06:05	2	4	6	2	18.2	73	2.2	129	23
21/12/24 06:10	3	10	13	2	18.3	73	2.1	115	19
21/12/24 06:15	2	3	5	2	18.1	72	2.5	123	18
21/12/24 06:20	3	5	7	2	18.1	73	2.1	134	24
21/12/24 06:25	28	21	49	2	18.3	74	2.6	175	20
21/12/24 06:30	17	13	30	2	18.7	68	4.9	181	14
21/12/24 06:35	15	9	24	2	18.9	72	2.4	161	25
21/12/24 06:40	19	9	28	2	18.9	65	4.6	185	11
21/12/24 06:45	36	6	42	2	18.9	63	5.4	189	9
21/12/24 06:50	31	4	35	2	18.9	61	5.6	187	8
21/12/24 06:55	22	14	36	2	18.9	63	5.6	188	8
21/12/24 07:00	28	23	51	3	19.0	64	5.6	189	8
21/12/24 07:05	26	10	35	3	19.0	62	5.8	188	9
21/12/24 07:10	31	3	34	3	19.1	62	6.0	190	9
21/12/24 07:15	17	11	28	3	19.1	61	6.1	191	7
21/12/24 07:20	14	7	21	3	19.0	60	5.8	192	8
21/12/24 07:25	4	2	6	3	19.1	60	6.5	194	9
21/12/24 07:30	20	8	29	3	19.2	58	5.9	194	7
21/12/24 07:35	9	5	14	4	19.2	58	4.7	183	9
21/12/24 07:40	9	5	14	4	19.5	57	4.5	183	11
21/12/24 07:45	17	8	24	3	19.5	57	4.0	183	10
21/12/24 07:50	13	10	23	3	19.4	58	4.7	187	8
21/12/24 07:55	13	9	22	3	19.3	60	5.1	187	9
21/12/24 08:00				3	19.2	65	6.3	190	7
21/12/24 08:05	16	11	27	3	19.1	68	5.9	181	10
21/12/24 08:10	13	8	21	3	19.1	66	5.6	183	9
21/12/24 08:15	10	7	16	3	19.1	64	5.7	180	10
21/12/24 08:20	9	7	15	3	19.2	63	5.9	179	8
21/12/24 08:25	12	9	22	3	19.3	63	4.6	183	9
21/12/24 08:30	5	4	10	3	19.5	62	4.8	178	11
21/12/24 08:35	8	7	15	3	19.6	60	5.2	182	10
21/12/24 08:40	18	6	25	3	19.6	61	5.3	186	8
21/12/24 08:45	21	8	29	3	19.7	62	5.7	184	9
21/12/24 08:50	13	8	21	3	19.7	64	6.4	185	9
21/12/24 08:55	21	7	28	3	19.3	68	6.1	182	8
21/12/24 09:00	19	13	32	3	19.1	67	6.1	186	9
21/12/24 09:05	30	10	40	3	19.3	69	5.3	184	9
21/12/24 09:10	19	8	27	3	19.4	66	5.5	184	10
21/12/24 09:15	30	13	43	3	19.1	67	6.1	185	7
21/12/24 09:20	26	12	38	4	19.2	68	5.4	181	8
21/12/24 09:25	22	14	36	4	19.3	68	4.9	184	9
21/12/24 09:30	16	5	22	4	19.3	67	4.7	183	12
21/12/24 09:35	6	5	11	4	19.5	67	5.0	185	11
21/12/24 09:40				3	19.6	65	4.8	181	12
21/12/24 09:45	7	7	14	3	19.7	65	4.7	185	9
21/12/24 09:50	9	2	11	3	19.8	64	4.5	182	13
21/12/24 09:55	20	11	30	3	19.8	66	5.1	184	11
21/12/24 10:00	65	14	79	3	19.6	66	4.7	189	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
21/12/24 10:05	60	18	78	3	19.6	63	5.5	186	10
21/12/24 10:10	46	19	65	3	19.8	62	5.1	180	12
21/12/24 10:15	30	13	44	4	19.8	59	4.7	183	13
21/12/24 10:20	39	13	52	4	20.1	59	4.6	181	11
21/12/24 10:25	46	14	60	4	20.4	55	4.6	182	12
21/12/24 10:30	31	10	41	4	20.2	53	5.5	188	9
21/12/24 10:35	16	7	23	4	20.0	53	5.2	186	10
21/12/24 10:40	23	18	42	4	20.0	57	5.5	190	10
21/12/24 10:45	25	22	47	4	19.9	57	6.0	191	9
21/12/24 10:50	10	8	18	3	19.4	61	7.1	198	5
21/12/24 10:55	13	11	24	3	19.3	62	7.0	197	5
21/12/24 11:00	17	12	29	3	19.3	63	6.4	196	8
21/12/24 11:05	15	13	28	3	19.4	67	7.1	197	7
21/12/24 11:10	35	6	41	3	19.5	67	7.2	195	7
21/12/24 11:15	13	8	21	3	19.2	69	8.0	198	6
21/12/24 11:20	19	12	31	3	19.2	67	6.6	194	7
21/12/24 11:25	35	15	50	3	19.4	65	6.5	192	9
21/12/24 11:30	28	9	37	3	19.4	66	7.3	196	7
21/12/24 11:35	28	15	43	4	19.3	67	6.2	188	8
21/12/24 11:40	23	13	36	4	19.5	65	5.9	187	10
21/12/24 11:45	23	11	34	3	19.4	65	6.5	190	11
21/12/24 11:50	26	17	43	3	19.6	62	6.7	189	8
21/12/24 11:55	26	7	33	4	19.2	65	7.2	197	7
21/12/24 12:00	13	10	23	3	19.2	67	7.0	193	7
21/12/24 12:05	63	2	66	4	19.5	63	6.4	190	10
21/12/24 12:10	59	17	76	4	19.4	61	6.4	190	10
21/12/24 12:15	56	21	78	4	19.6	60	5.9	188	9
21/12/24 12:20	58	23	81	4	19.6	60	6.3	189	9
21/12/24 12:25	48	13	61	4	19.6	60	6.1	188	8
21/12/24 12:30	57	19	76	4	19.6	58	6.9	190	10
21/12/24 12:35	36	16	52	4	19.2	63	7.9	196	5
21/12/24 12:40	56	17	74	4	19.4	60	6.2	187	10
21/12/24 12:45	74	22	96	4	19.4	60	7.3	194	7
21/12/24 12:50	40	9	48	4	19.2	59	6.4	192	7
21/12/24 12:55	16	6	22	4	19.5	59	6.7	187	7
21/12/24 13:00	19	8	27	4	19.7	61	6.5	189	9
21/12/24 13:05	16	5	21	4	19.3	59	7.0	191	8
21/12/24 13:10	19	3	22	4	19.4	60	6.2	190	8
21/12/24 13:15	21	10	31	4	19.7	60	6.4	188	7
21/12/24 13:20	19	6	25	4	19.6	58	6.4	188	8
21/12/24 13:25	24	10	34	4	19.6	61	6.1	191	7
21/12/24 13:30	10	8	18	4	19.6	59	6.4	190	8
21/12/24 13:35	16	4	20	4	19.8	59	5.9	186	9
21/12/24 13:40	11	7	17	4	19.7	61	6.8	193	8
21/12/24 13:45	17	11	28	4	19.5	60	6.6	190	7
21/12/24 13:50	9	5	14	4	19.4	61	6.9	193	8
21/12/24 13:55	11	10	21	4	19.4	61	6.6	190	7
21/12/24 14:00	18	6	24	4	19.6	61	6.0	187	9
21/12/24 14:05	16	2	18	4	19.6	58	6.5	188	8
21/12/24 14:10	16	6	22	4	19.7	57	7.0	190	8
21/12/24 14:15	18	3	21	4	19.5	59	6.3	192	8
21/12/24 14:20	16	3	19	3	19.7	58	5.8	188	8
21/12/24 14:25	18	12	30	4	19.7	59	5.5	186	9
21/12/24 14:30	8	4	12	4	19.8	58	6.3	193	9
21/12/24 14:35	10	7	17	4	19.6	59	6.4	192	7
21/12/24 14:40	14	7	21	4	19.7	61	5.9	191	8
21/12/24 14:45	9	2	11	4	19.4	62	7.0	195	6
21/12/24 14:50	5	5	10	3	19.4	62	6.4	193	8
21/12/24 14:55	10	4	14	3	19.6	59	6.7	193	7
21/12/24 15:00	3	3	6	3	19.1	62	7.8	198	4
21/12/24 15:05	5	3	8	3	19.1	63	7.4	195	7
21/12/24 15:10	7	3	10	3	19.2	63	7.0	193	7
21/12/24 15:15	12	7	19	3	19.2	59	6.5	188	9
21/12/24 15:20	25	8	33	3	19.2	61	7.3	194	7
21/12/24 15:25	28	2	30	3	19.3	60	6.9	189	6
21/12/24 15:30	21	13	34	4	19.4	61	6.8	191	8
21/12/24 15:35	7	5	12	3	19.4	64	7.4	192	8
21/12/24 15:40	10	3	12	3	19.4	64	6.8	190	9
21/12/24 15:45	20	15	35	3	19.5	61	6.6	187	8
21/12/24 15:50	6	5	11	3	19.4	63	6.8	190	8
21/12/24 15:55	22	6	29	4	19.3	63	7.4	193	8
21/12/24 16:00	13	9	22	4	19.3	63	7.1	191	7
21/12/24 16:05	27	24	51	4	19.3	60	7.3	191	9
21/12/24 16:10	18	6	24	5	19.3	63	7.0	195	8
21/12/24 16:15	26	21	47	4	19.1	60	6.9	188	8
21/12/24 16:20	22	9	31	5	19.2	62	7.1	192	7
21/12/24 16:25	31	19	50	5	19.2	62	6.3	188	10
21/12/24 16:30	13	11	25	5	19.5	60	6.9	187	7
21/12/24 16:35	14	9	23	5	19.5	60	6.8	189	8
21/12/24 16:40	27	4	32	5	19.4	60	6.7	189	7
21/12/24 16:45				5	19.4	62	6.8	191	9
21/12/24 16:50	16	6	22	5	19.2	64	7.6	195	5
21/12/24 16:55	24	13	37	5	19.2	62	7.0	187	8
21/12/24 17:00	12	5	17	5	19.4	61	6.8	187	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
21/12/24 17:05	20	15	35	5	19.5	64	7.0	188	7
21/12/24 17:10	188	26	214	7	19.3	61	7.3	186	8
21/12/24 17:15	108	20	128	11	19.3	63	8.1	189	8
21/12/24 17:20	30	14	44	8	19.4	63	7.2	186	7
21/12/24 17:25	1	1	3	6	19.3	64	8.1	188	5
21/12/24 17:30	1	1	2	5	19.2	63	8.3	187	8
21/12/24 17:35	1	1	2	4	19.1	67	9.0	191	6
21/12/24 17:40	1	1	2	4	19.0	65	8.4	189	5
21/12/24 17:45	1	1	1	3	18.9	66	8.5	192	5
21/12/24 17:50	1	1	1	3	19.2	63	6.9	187	8
21/12/24 17:55	0	1	1	3	19.2	67	8.0	190	7
21/12/24 18:00	0	1	1	3	19.2	65	7.6	190	6
21/12/24 18:05	0	1	1	3	19.0	67	8.9	192	5
21/12/24 18:10	0	1	1	3	18.8	68	8.0	191	7
21/12/24 18:15	0	1	1	3	19.0	64	7.0	186	8
21/12/24 18:20	0	1	1	3	19.1	67	7.2	189	9
21/12/24 18:25	0	1	1	3	19.0	69	7.1	187	8
21/12/24 18:30	0	1	1	3	19.1	66	6.6	186	10
21/12/24 18:35	1	1	2	3	19.0	64	6.4	183	9
21/12/24 18:40	1	1	1	3	18.9	64	6.1	185	8
21/12/24 18:45	0	1	1	3	18.9	64	5.5	183	10
21/12/24 18:50	0	1	1	3	18.9	65	5.9	182	10
21/12/24 18:55	0	0	1	3	18.8	66	5.7	184	10
21/12/24 19:00	0	0	1	2	18.8	66	5.5	180	11
21/12/24 19:05	0	1	1	3	18.8	66	4.5	180	12
21/12/24 19:10	0	1	1	3	18.6	66	5.2	179	10
21/12/24 19:15	0	1	1	3	18.3	65	4.3	178	11
21/12/24 19:20	0	1	1	3	18.3	65	5.1	178	9
21/12/24 19:25	0	1	1	2	18.3	67	4.8	182	10
21/12/24 19:30	0	1	1	2	18.0	64	5.0	177	12
21/12/24 19:35	0	1	1	2	17.9	66	4.8	182	11
21/12/24 19:40	0	1	1	3	17.9	65	5.2	178	11
21/12/24 19:45	0	1	1	3	17.7	65	4.2	178	12
21/12/24 19:50	0	1	1	3	18.0	67	4.8	179	11
21/12/24 19:55	0	1	1	3	17.8	64	4.2	178	12
21/12/24 20:00	0	1	1	3	17.7	66	3.6	170	16
21/12/24 20:05	0	1	1	3	17.9	66	3.3	168	19
21/12/24 20:10	0	1	1	3	18.0	66	4.3	180	12
21/12/24 20:15	0	1	1	3	17.8	67	3.7	173	13
21/12/24 20:20	0	1	1	3	17.9	66	3.8	178	14
21/12/24 20:25	0	1	1	3	17.8	63	4.6	183	10
21/12/24 20:30	0	1	1	3	17.6	63	5.1	186	7
21/12/24 20:35	0	1	1	3	17.6	64	3.5	177	16
21/12/24 20:40	0	1	1	2	17.6	64	4.2	181	11
21/12/24 20:45	0	1	1	2	17.5	65	2.6	169	22
21/12/24 20:50	0	1	1	2	17.6	64	3.4	176	15
21/12/24 20:55	0	1	1	2	17.5	63	3.2	172	15
21/12/24 21:00	0	1	1	2	17.6	62	3.1	174	12
21/12/24 21:05	0	1	1	2	17.5	61	2.3	164	26
21/12/24 21:10	0	1	1	2	17.5	64	3.1	172	15
21/12/24 21:15	0	1	1	2	17.6	63	2.8	167	18
21/12/24 21:20	0	1	1	3	17.5	63	2.6	171	19
21/12/24 21:25	0	1	1	3	17.4	62	2.2	165	27
21/12/24 21:30	0	1	1	3	17.4	65	3.2	173	21
21/12/24 21:35	0	1	1	3	17.3	62	4.5	186	8
21/12/24 21:40	0	1	1	3	17.4	62	2.7	180	14
21/12/24 21:45	0	1	1	3	17.4	63	2.2	176	18
21/12/24 21:50	0	1	1	2	17.6	63	3.4	175	14
21/12/24 21:55	0	1	1	2	17.5	62	2.6	157	19
21/12/24 22:00	0	1	1	2	17.5	64	2.3	171	21
21/12/24 22:05	0	1	1	2	17.3	64	2.7	159	21
21/12/24 22:10	0	1	1	2	17.4	64	2.9	166	20
21/12/24 22:15	0	0	1	2	17.3	63	2.4	168	22
21/12/24 22:20	0	0	1	2	17.4	66	3.1	177	11
21/12/24 22:25	0	1	1	2	17.4	66	2.6	166	21
21/12/24 22:30	0	1	1	2	17.3	64	3.1	177	13
21/12/24 22:35	0	1	1	2	17.1	64	2.7	175	19
21/12/24 22:40	0	0	0	2	17.2	64	2.8	173	13
21/12/24 22:45	0	0	0	2	17.2	64	2.2	153	25
21/12/24 22:50	0	0	1	2	17.1	65	3.2	165	23
21/12/24 22:55	0	0	0	2	17.1	64	2.4	153	25
21/12/24 23:00	0	0	0	2	17.2	63	2.3	162	25
21/12/24 23:05	0	0	0	2	17.1	64	2.4	169	26
21/12/24 23:10	0	0	0	2	17.2	62	2.4	162	21
21/12/24 23:15	0	1	0	2	17.1	61	1.7	166	23
21/12/24 23:20	0	1	0	2	17.0	64	2.1	161	21
21/12/24 23:25	0	1	1	2	17.1	64	2.3	160	25
21/12/24 23:30	0	0	1	2	17.1	64	2.8	145	25
21/12/24 23:35	0	1	1	2	16.8	64	2.5	142	24
21/12/24 23:40	0	1	1	2	16.9	64	2.2	163	21
21/12/24 23:45	0	1	1	2	16.9	66	2.9	111	13
21/12/24 23:50	0	1	1		16.7	66	2.0	140	30
21/12/24 23:55	0	1	2		16.8	67	1.8	116	29
22/12/24 00:00	0	2	2	2	16.6	65	2.3	110	28

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
22/12/24 00:05	0	2	2	2	16.6	66	2.5	111	19
22/12/24 00:10	0	2	2	2	16.6	66	2.3	98	13
22/12/24 00:15	0	2	2	2	16.5	64	2.7	93	8
22/12/24 00:20	0	2	2	1	16.3	65	2.4	87	12
22/12/24 00:25	0	2	2	1	16.2	65	2.7	89	8
22/12/24 00:30	0	2	2	1	16.3	66	2.4	94	10
22/12/24 00:35	0	2	2	1	16.2	65	2.2	90	9
22/12/24 00:40	0	2	2	1	16.2	67	2.4	99	19
22/12/24 00:45	0	2	2	1	16.3	67	3.5	94	8
22/12/24 00:50	0	2	2	1	16.3	66	3.2	93	9
22/12/24 00:55	0	2	2	1	16.3	66	2.7	91	11
22/12/24 01:00	0	2	2	1	16.2	67	3.2	95	9
22/12/24 01:05					16.2	68	3.3	95	8
22/12/24 01:10					16.3	67	2.7	93	9
22/12/24 01:15					16.1	66	3.2	88	7
22/12/24 01:20					16.1	67	2.3	101	15
22/12/24 01:25					16.2	68	2.8	108	15
22/12/24 01:30					16.4	69	2.0	160	38
22/12/24 01:35					16.7	67	2.8	171	23
22/12/24 01:40					16.9	67	2.9	165	18
22/12/24 01:45					16.9	66	2.7	166	22
22/12/24 01:50					17.0	64	2.8	174	14
22/12/24 01:55					16.9	64	2.6	162	23
22/12/24 02:00					16.9	67	2.3	160	24
22/12/24 02:05	0	1	1	1	16.9	65	2.6	169	21
22/12/24 02:10	0	1	1	1	16.9	64	3.3	183	11
22/12/24 02:15	0	1	1	1	16.9	64	3.1	169	17
22/12/24 02:20	0	1	1	1	16.9	65	2.3	173	15
22/12/24 02:25	0	1	1	1	17.0	67	3.6	184	12
22/12/24 02:30	0	1	1	1	16.9	68	3.2	170	16
22/12/24 02:35	0	1	1	1	17.0	69	3.9	178	15
22/12/24 02:40	0	1	1	1	16.8	68	3.2	172	20
22/12/24 02:45	0	1	1	1	16.9	68	2.5	158	32
22/12/24 02:50	0	1	1	1	16.9	67	3.2	173	16
22/12/24 02:55	0	1	1	1	16.8	66	3.5	152	18
22/12/24 03:00	0	1	1	1	16.7	66	3.3	176	20
22/12/24 03:05	0	1	1	1	16.8	65	3.0	172	16
22/12/24 03:10	0	1	1	1	16.8	66	3.1	171	17
22/12/24 03:15	0	1	1	1	16.9	66	2.8	178	15
22/12/24 03:20	0	1	1	1	16.7	65	3.2	170	19
22/12/24 03:25	0	1	1	1	16.7	67	3.0	171	21
22/12/24 03:30	0	1	1	1	16.7	64	3.2	183	12
22/12/24 03:35	0	1	1	1	16.7	65	2.7	164	25
22/12/24 03:40	0	1	1	1	16.7	62	2.9	167	22
22/12/24 03:45	0	1	1	1	16.7	66	2.8	176	18
22/12/24 03:50	0	1	1	1	16.8	67	2.7	168	22
22/12/24 03:55	0	1	1	1	16.7	66	2.3	165	25
22/12/24 04:00	0	1	1	1	16.6	67	3.9	180	14
22/12/24 04:05	0	1	1	1	16.6	66	3.3	178	13
22/12/24 04:10	0	1	1	1	16.6	62	3.7	184	12
22/12/24 04:15	0	1	1	1	16.6	61	4.2	185	9
22/12/24 04:20	0	1	1	1	16.6	61	3.8	186	10
22/12/24 04:25	0	1	1	1	16.5	63	3.6	182	12
22/12/24 04:30	0	0	0	1	16.5	59	3.9	181	10
22/12/24 04:35	0	0	0	1	16.5	63	3.9	179	12
22/12/24 04:40	0	1	1	1	16.6	64	3.9	181	12
22/12/24 04:45	0	1	1	1	16.5	65	5.8	192	10
22/12/24 04:50	0	1	1	1	16.6	61	4.6	187	9
22/12/24 04:55	0	1	1	2	16.5	66	4.9	191	7
22/12/24 05:00	0	2	2	1	16.5	62	3.5	174	13
22/12/24 05:05	2	5	8	1	16.5	67	3.5	176	17
22/12/24 05:10	1	3	3	1	16.5	66	3.6	172	17
22/12/24 05:15	0	2	2	1	16.5	65	2.6	165	23
22/12/24 05:20	0	2	2	1	16.6	67	3.7	175	17
22/12/24 05:25	0	2	2	1	16.6	68	2.7	163	21
22/12/24 05:30	0	2	2	1	16.6	68	2.6	157	26
22/12/24 05:35	0	2	2	1	16.7	67	3.0	176	17
22/12/24 05:40	1	2	2	1	16.6	66	2.6	158	23
22/12/24 05:45	0	1	1	1	16.6	66	2.4	155	26
22/12/24 05:50	0	1	1	1	16.6	67	2.6	176	18
22/12/24 05:55	0	1	1	1	16.8	67	2.3	167	21
22/12/24 06:00	1	1	1	1	16.7	65	2.4	169	23
22/12/24 06:05	1	1	2	1	16.5	64	2.1	152	33
22/12/24 06:10	0	1	1	1	16.4	65	2.4	149	20
22/12/24 06:15	0	1	1	1	16.6	68	2.3	166	25
22/12/24 06:20	1	5	6	1	16.7	66	2.4	161	22
22/12/24 06:25	1	4	4	1	16.5	64	2.5	157	21
22/12/24 06:30	1	2	3	0	16.5	65	2.0	124	20
22/12/24 06:35	1	2	2	0	16.6	65	2.2	129	30
22/12/24 06:40	0	2	2	1	16.6	65	1.7	147	30
22/12/24 06:45	0	2	2	1	16.5	63	1.7	152	23
22/12/24 06:50	0	2	2	1	16.8	65	2.5	178	14
22/12/24 06:55	0	2	2	1	16.8	65	2.0	159	25
22/12/24 07:00	0	2	2	1	16.9	64	2.6	176	13

Station Pier Ambient Air Quality Monitoring
December 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 (°)
22/12/24 07:05	33	5	39	1	16.8	63	1.7	164	27
22/12/24 07:10	1	2	3	1	16.8	63	2.5	184	14
22/12/24 07:15	5	6	11	1	16.7	64	1.8	161	35
22/12/24 07:20	1	2	2	1	16.8	65	2.0	199	36
22/12/24 07:25	2	5	7	0	16.0	68	2.7	225	10
22/12/24 07:30	5	12	17	1	15.7	70	2.9	243	13
22/12/24 07:35	8	6	15	1	15.7	71	3.2	223	10
22/12/24 07:40	2	3	6	1	15.9	70	2.5	222	9
22/12/24 07:45	5	4	9	1	15.9	70	2.3	231	12
22/12/24 07:50	3	4	7	1	16.0	70	2.7	214	9
22/12/24 07:55	3	3	6	1	16.0	70	3.0	217	12
22/12/24 08:00	3	5	8	1	16.1	70	2.5	228	15
22/12/24 08:05	3	5	9	1	16.1	70	3.1	243	12
22/12/24 08:10	4	6	10	1	16.2	69	2.9	232	12
22/12/24 08:15	4	8	12	2	16.1	68	1.7	208	35
22/12/24 08:20	4	0	4	1	16.9	64	2.3	167	23
22/12/24 08:25	3	1	5	1	17.7	63	2.2	179	18
22/12/24 08:30	3	4	7	2	18.1	59	2.2	171	22
22/12/24 08:35	5	5	11	2	18.7	57	2.5	176	13
22/12/24 08:40	4	3	7	1	18.8	55	3.0	180	12
22/12/24 08:45	3	3	6	1	18.3	57	2.9	191	17
22/12/24 08:50	2	0	3	1	17.5	67	3.5	212	15
22/12/24 08:55	1	1	3	1	17.3	70	4.1	216	10
22/12/24 09:00	1	1	2	1	17.1	70	4.2	208	11
22/12/24 09:05	1	1	2	1	17.1	68	4.6	212	7
22/12/24 09:10	1	1	2	1	17.0	70	3.8	208	12
22/12/24 09:15	1	1	2	1	17.0	71	4.9	213	7
22/12/24 09:20	1	1	2	1	16.8	72	4.4	220	6
22/12/24 09:25	1	1	2	1	16.8	73	4.7	226	8
22/12/24 09:30	1	1	2	1	16.8	73	4.3	214	12
22/12/24 09:35	1	1	2	1	16.9	73	4.5	216	13
22/12/24 09:40	1	1	2	1	16.8	71	3.9	226	5
22/12/24 09:45	13	9	21	1	17.0	72	4.2	205	17
22/12/24 09:50	4	4	8	1	17.0	70	3.7	213	9
22/12/24 09:55	4	0	4	1	17.0	68	3.4	202	6
22/12/24 10:00	2	2	4	1	17.1	69	3.6	203	9
22/12/24 10:05	1	1	2	1	17.3	68	3.7	202	8
22/12/24 10:10	16	19	35	1	17.5	68	4.0	205	11
22/12/24 10:15	0	1	1	1	17.3	67	3.3	204	5
22/12/24 10:20	14	3	17	1	17.4	67	3.4	207	11
22/12/24 10:25	10	5	16	1	17.7	65	3.0	188	13
22/12/24 10:30	11	9	20	2	18.2	64	2.9	188	13
22/12/24 10:35	2	2	4	2	18.1	63	4.0	205	6
22/12/24 10:40	3	4	7	2	17.8	63	3.4	205	6
22/12/24 10:45	2	2	4	1	18.0	64	2.1	174	20
22/12/24 10:50	2	2	3	1	18.3	63	3.5	200	15
22/12/24 10:55	2	3	5	1	17.7	64	3.7	203	6
22/12/24 11:00	0	2	2	1	17.4	63	3.0	213	7
22/12/24 11:05	4	4	8	1	17.9	64	1.9	192	22
22/12/24 11:10	3	4	7	1	18.8	62	1.9	170	21
22/12/24 11:15	0	1	2	1	19.4	55	2.3	163	19
22/12/24 11:20	0	1	1	1	19.7	54	1.9	159	24
22/12/24 11:25	0	1	1	1	20.0	52	1.7	145	23
22/12/24 11:30	0	1	1	1	20.1	55	2.2	177	19
22/12/24 11:35	0	1	1	1	20.3	51	2.1	154	21
22/12/24 11:40	0	1	1	1	20.1	53	1.8	164	24
22/12/24 11:45	1	1	2	1	20.0	55	2.7	180	17
22/12/24 11:50	1	1	2	1	19.9	52	2.0	162	18
22/12/24 11:55	1	2	3	1	19.9	52	1.9	160	27
22/12/24 12:00	1	2	3	1	20.0	55	2.2	177	24
22/12/24 12:05	2	4	6	1	20.0	53	2.3	164	21
22/12/24 12:10	2	4	6	1	19.8	54	2.2	176	24
22/12/24 12:15	4	4	8	1	19.8	53	2.6	170	20
22/12/24 12:20	4	2	6	1	20.0	54	2.5	176	17
22/12/24 12:25	2	2	4	1	20.1	54	2.9	172	20
22/12/24 12:30	4	4	8	1	20.2	54	2.8	176	21
22/12/24 12:35	3	2	5	1	20.1	56	2.4	178	19
22/12/24 12:40	3	4	7	1	20.2	54	2.8	175	18
22/12/24 12:45	3	1	4	1	20.1	54	2.8	177	19
22/12/24 12:50	1	0	1	1	20.0	53	2.6	156	16
22/12/24 12:55	1	0	1	1	20.0	53	2.0	150	27
22/12/24 13:00	1	0	1	1	20.1	53	3.2	136	14
22/12/24 13:05	1	0	1	1	19.6	54	3.3	137	19
22/12/24 13:10	1	1	2	1	19.4	55	2.3	146	28
22/12/24 13:15	1	1	3	1	19.5	54	3.1	126	16
22/12/24 13:20	1	1	2	1	19.5	54	2.5	151	23
22/12/24 13:25	1	1	2	1	19.9	52	2.3	144	22
22/12/24 13:30	1	1	2	1	19.9	52	2.6	141	20
22/12/24 13:35	1	0	1	1	20.1	52	2.7	146	22
22/12/24 13:40	1	0	1	1	20.2	53	2.5	151	22
22/12/24 13:45	1	1	2	1	20.7	53	2.0	164	25
22/12/24 13:50	1	1	2	1	21.1	51	2.5	162	19
22/12/24 13:55	1	1	2	1	21.1	50	2.3	166	21
22/12/24 14:00	1	1	1	1	21.5	49	2.6	169	17

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
22/12/24 14:05	1	1	2	1	21.8	50	2.1	164	17
22/12/24 14:10	1	1	1	1	21.7	46	2.4	155	21
22/12/24 14:15	0	1	1	1	21.6	48	2.2	150	22
22/12/24 14:20	0	1	1	1	21.2	48	2.7	146	19
22/12/24 14:25	1	1	1	1	21.3	49	2.0	151	31
22/12/24 14:30	1	1	2	1	21.5	47	2.1	159	23
22/12/24 14:35	1	1	2	1	21.7	45	2.2	154	19
22/12/24 14:40	0	1	1	1	21.4	48	1.9	153	25
22/12/24 14:45	0	1	1	1	21.3	49	2.0	152	27
22/12/24 14:50	0	1	1	1	21.2	51	2.1	166	22
22/12/24 14:55	0	1	1	1	21.4	50	1.7	161	24
22/12/24 15:00	0	1	1	1	21.8	46	1.8	148	26
22/12/24 15:05	0	1	1	1	22.0	48	2.1	155	21
22/12/24 15:10	0	1	1	1	22.1	49	2.1	173	20
22/12/24 15:15	0	1	1	1	21.9	49	2.1	165	22
22/12/24 15:20	0	1	1	1	21.8	51	2.6	173	16
22/12/24 15:25	0	1	1	1	21.5	53	2.8	178	13
22/12/24 15:30	0	1	1	1	21.2	52	2.7	170	16
22/12/24 15:35	0	1	1	1	21.2	53	2.8	172	19
22/12/24 15:40	0	1	1	1	21.1	53	3.2	181	11
22/12/24 15:45	0	1	1	1	21.1	52	3.6	178	12
22/12/24 15:50	0	1	1	1	21.0	52	3.7	181	12
22/12/24 15:55	0	1	1	1	21.0	53	3.0	175	15
22/12/24 16:00	0	1	1	1	21.6	51	2.8	182	14
22/12/24 16:05	0	1	1	1	21.6	51	3.6	182	12
22/12/24 16:10	1	1	2	1	21.0	51	4.0	180	13
22/12/24 16:15	1	1	2	1	20.6	55	4.1	182	10
22/12/24 16:20	1	2	3	1	20.5	57	4.3	180	10
22/12/24 16:25	1	2	3	1	20.6	57	4.0	179	15
22/12/24 16:30	1	2	4	1	20.6	56	4.2	180	12
22/12/24 16:35	1	3	4	1	20.6	59	3.9	180	11
22/12/24 16:40	1	3	4	1	20.7	56	4.0	178	12
22/12/24 16:45	1	2	4	1	20.5	56	5.2	182	9
22/12/24 16:50	1	2	3	1	20.2	57	4.7	179	10
22/12/24 16:55	1	2	3	1	20.4	59	4.6	181	12
22/12/24 17:00	1	2	2	1	20.1	60	5.0	176	11
22/12/24 17:05	1	1	2	1	19.9	62	4.9	181	9
22/12/24 17:10	4	4	7	1	19.7	62	5.1	183	7
22/12/24 17:15	5	0	5	1	19.4	63	5.1	182	11
22/12/24 17:20	4	4	8	1	19.3	64	5.2	182	7
22/12/24 17:25	1	2	3	1	19.2	64	5.6	182	9
22/12/24 17:30	2	2	4	2	18.9	65	5.6	179	9
22/12/24 17:35	2	1	3	1	19.0	66	5.5	182	9
22/12/24 17:40	2	5	7	1	19.0	67	5.4	182	10
22/12/24 17:45	2	1	3	1	18.9	66	6.0	181	8
22/12/24 17:50	0	1	1	1	18.8	67	5.5	180	12
22/12/24 17:55	0	1	1	2	18.8	69	5.0	180	11
22/12/24 18:00	1	0	1	1	18.9	69	4.7	172	15
22/12/24 18:05	1	0	1	1	18.8	68	5.3	177	12
22/12/24 18:10	1	0	1	1	18.8	70	4.6	178	13
22/12/24 18:15	1	0	1	1	18.6	69	5.4	180	11
22/12/24 18:20	1	1	2	1	18.7	71	5.5	180	8
22/12/24 18:25	1	1	2	1	18.8	72	5.0	178	10
22/12/24 18:30	1	1	2	1	18.7	71	4.9	181	9
22/12/24 18:35	1	2	3	1	18.6	71	5.0	181	9
22/12/24 18:40	42	13	55	1	18.5	67	5.9	181	6
22/12/24 18:45	1	1	2	2	18.6	70	5.1	181	13
22/12/24 18:50	0	1	1	2	18.5	71	4.5	175	14
22/12/24 18:55	0	1	1	1	18.7	72	3.2	172	17
22/12/24 19:00	0	1	1	1	18.9	72	3.4	169	19
22/12/24 19:05	0	1	1	1	18.8	71	4.0	177	11
22/12/24 19:10	0	1	1	1	18.8	69	4.9	179	12
22/12/24 19:15	0	1	1	1	18.7	67	4.9	180	10
22/12/24 19:20	0	1	1	1	18.7	67	3.2	170	18
22/12/24 19:25	0	1	1	1	18.6	69	3.3	181	17
22/12/24 19:30	3	2	5	1	18.7	70	4.2	182	9
22/12/24 19:35	48	23	70	2	17.7	81	11.7	203	10
22/12/24 19:40				2	16.2	91	11.8	202	8
22/12/24 19:45	4	3	7	2	15.9	95	12.8	208	5
22/12/24 19:50	21	16	37	1	15.6	94	11.6	204	7
22/12/24 19:55	78	24	102	1	15.7	95	9.7	201	8
22/12/24 20:00	12	4	17	2	15.6	95	10.9	207	6
22/12/24 20:05	3	3	7	1	15.4	94	10.6	208	6
22/12/24 20:10	1	1	2	1	14.6	92	11.5	232	8
22/12/24 20:15	0	2	3	1	13.7	92	9.0	243	7
22/12/24 20:20	0	3	3	1	13.7	90	9.1	238	6
22/12/24 20:25	1	3	4	1	13.8	88	7.2	241	7
22/12/24 20:30	1	4	6	1	14.1	88	5.8	242	6
22/12/24 20:35	2	6	7	1	14.0	85	6.3	239	7
22/12/24 20:40	1	5	7	1	14.2	79	7.1	238	12
22/12/24 20:45	1	5	6	1	14.5	77	7.7	238	6
22/12/24 20:50	1	5	6	1	14.5	75	7.8	241	8
22/12/24 20:55	1	5	6	1	14.7	73	8.3	247	7
22/12/24 21:00	1	5	6	1	14.5	74	9.2	251	7

Station Pier Ambient Air Quality Monitoring
December 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 (°)
22/12/24 21:05	1	5	6	1	14.4	75	8.7	248	7
22/12/24 21:10	1	4	5	1	14.2	75	7.9	244	7
22/12/24 21:15	1	4	5	1	14.1	76	7.6	245	8
22/12/24 21:20	1	5	6	1	14.1	78	7.7	248	8
22/12/24 21:25	1	5	6	1	14.0	81	8.1	248	7
22/12/24 21:30	1	5	6	1	13.9	84	7.0	243	11
22/12/24 21:35	1	5	6	1	13.2	86	5.9	247	10
22/12/24 21:40	1	5	6	1	13.0	88	7.6	236	15
22/12/24 21:45	1	4	5	1	12.9	88	6.4	245	10
22/12/24 21:50	1	5	5	1	12.8	90	5.2	238	14
22/12/24 21:55	1	4	5	1	12.8	85	4.8	240	10
22/12/24 22:00	1	4	5	1	13.0	82	3.9	240	12
22/12/24 22:05	1	4	5	1	13.2	82	3.4	238	13
22/12/24 22:10	1	5	6	1	13.2	83	3.9	261	12
22/12/24 22:15	1	6	7	1	13.2	84	4.1	263	13
22/12/24 22:20	1	6	7	1	13.1	85	3.2	276	11
22/12/24 22:25	1	5	6	1	12.9	83	2.7	288	13
22/12/24 22:30	1	4	5	1	12.8	85	2.0	279	14
22/12/24 22:35	0	4	5	1	13.0	84	2.1	252	19
22/12/24 22:40	1	5	5	1	13.2	83	3.2	260	10
22/12/24 22:45	1	6	7	1	13.5	84	3.8	266	11
22/12/24 22:50	1	7	8	1	13.5	82	3.2	265	15
22/12/24 22:55	1	6	7	1	13.4	83	2.8	271	14
22/12/24 23:00	1	6	7	1	13.6	84	3.2	272	14
22/12/24 23:05	0	6	6	0	13.5	84	3.1	273	14
22/12/24 23:10	0	6	6	1	13.6	85	3.5	264	12
22/12/24 23:15	1	6	7	1	13.8	85	3.9	272	12
22/12/24 23:20	1	6	7	1	13.9	85	4.5	267	11
22/12/24 23:25	1	6	7	1	14.0	85	4.2	270	14
22/12/24 23:30	1	7	7	1	14.1	84	3.8	269	14
22/12/24 23:35	1	7	8	1	14.1	83	6.0	253	6
22/12/24 23:40	1	7	8	1	14.0	82	6.1	258	8
22/12/24 23:45	1	7	8	1	14.0	82	5.7	254	9
22/12/24 23:50	1	7	8		14.0	83	6.5	248	10
22/12/24 23:55	2	8	10		14.0	81	6.6	247	7
23/12/24 00:00	2	6	8	1	14.1	80	6.6	243	7
23/12/24 00:05	2	3	5	1	14.2	81	6.3	246	9
23/12/24 00:10	1	2	3	1	14.1	82	6.3	249	7
23/12/24 00:15	1	2	3	1	14.0	82	6.4	246	8
23/12/24 00:20	1	2	3	1	13.9	81	6.8	244	5
23/12/24 00:25	1	2	3	1	13.7	81	6.5	248	6
23/12/24 00:30	1	2	3	1	13.7	82	7.0	248	8
23/12/24 00:35	1	2	3	1	13.8	82	6.4	246	9
23/12/24 00:40	0	2	3	1	13.7	83	5.8	250	7
23/12/24 00:45	0	3	3	1	13.8	82	5.7	238	10
23/12/24 00:50	1	3	4	1	13.6	82	5.3	240	7
23/12/24 00:55	1	3	4	1	13.6	82	5.1	245	9
23/12/24 01:00	0	3	4	1	13.7	83	5.2	248	8
23/12/24 01:05					13.6	82	6.0	247	8
23/12/24 01:10					13.8	83	5.4	245	9
23/12/24 01:15					13.7	82	5.8	248	7
23/12/24 01:20					13.6	83	6.0	246	6
23/12/24 01:25					13.6	83	5.7	246	8
23/12/24 01:30					13.6	82	5.1	241	9
23/12/24 01:35					13.7	82	5.6	245	9
23/12/24 01:40					13.7	80	6.5	244	9
23/12/24 01:45					13.7	80	6.4	245	8
23/12/24 01:50					13.7	79	7.6	241	8
23/12/24 01:55					13.6	80	6.8	242	10
23/12/24 02:00					13.6	80	7.7	245	9
23/12/24 02:05	1	4	4	1	13.7	81	7.0	250	7
23/12/24 02:10	0	4	4	1	13.6	79	7.2	250	7
23/12/24 02:15	0	4	4	1	13.5	80	6.9	246	7
23/12/24 02:20	0	4	4	1	13.6	80	6.8	247	4
23/12/24 02:25	0	3	4	1	13.6	79	6.9	246	9
23/12/24 02:30	0	3	3	1	13.8	79	6.9	247	8
23/12/24 02:35	0	3	3	1	13.6	79	6.4	248	9
23/12/24 02:40	0	3	3	1	13.5	78	7.1	247	5
23/12/24 02:45	0	3	3	1	13.4	78	7.3	247	5
23/12/24 02:50	0	3	3	1	13.3	79	6.8	247	6
23/12/24 02:55	0	3	3	1	13.4	79	6.7	246	8
23/12/24 03:00	0	3	3	1	13.3	77	6.2	245	7
23/12/24 03:05	0	3	3	1	13.2	77	5.2	249	11
23/12/24 03:10	1	4	4	1	13.1	79	5.4	251	8
23/12/24 03:15	1	4	5	1	12.9	79	6.2	251	7
23/12/24 03:20	1	4	5	1	12.9	80	5.7	250	8
23/12/24 03:25	1	4	5	1	12.9	79	7.0	249	7
23/12/24 03:30	1	5	5	1	12.9	79	6.7	249	6
23/12/24 03:35	1	5	5	1	13.0	80	6.6	252	7
23/12/24 03:40	1	5	6	1	13.1	80	6.2	248	7
23/12/24 03:45	1	5	6	1	12.9	78	6.5	253	6
23/12/24 03:50	1	5	6	1	12.8	79	6.7	253	6
23/12/24 03:55	1	6	7	1	13.0	80	6.6	252	8
23/12/24 04:00	1	5	7	1	12.8	79	5.9	251	8

Station Pier Ambient Air Quality Monitoring
December 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 (°)
23/12/24 04:05	1	5	7	1	12.9	81	5.9	253	8
23/12/24 04:10	1	5	7	1	12.8	81	6.0	250	7
23/12/24 04:15	1	5	7	1	12.8	81	6.1	253	6
23/12/24 04:20	1	6	7	1	12.9	81	6.5	253	7
23/12/24 04:25	2	6	8	1	12.8	81	6.5	247	8
23/12/24 04:30	2	6	8	1	13.0	82	6.6	250	8
23/12/24 04:35	1	6	7	2	13.0	81	6.8	249	7
23/12/24 04:40	1	5	7	1	12.9	81	6.9	251	7
23/12/24 04:45	1	5	6	1	12.9	81	6.1	252	8
23/12/24 04:50	1	5	6	1	12.8	81	5.9	252	7
23/12/24 04:55	1	5	7	1	12.9	80	5.9	249	7
23/12/24 05:00	1	5	6	1	12.8	81	5.9	247	7
23/12/24 05:05	1	5	6	1	12.7	80	5.6	247	8
23/12/24 05:10	1	5	7	1	12.7	80	5.7	249	7
23/12/24 05:15	1	6	7	1	12.8	81	5.4	245	8
23/12/24 05:20	2	6	8	1	12.8	79	5.2	245	8
23/12/24 05:25	3	9	12	1	12.9	80	5.4	247	7
23/12/24 05:30	5	8	13	1	12.9	80	5.6	249	8
23/12/24 05:35	9	8	16	1	12.9	81	5.2	249	8
23/12/24 05:40	12	10	21	1	12.8	80	6.0	257	8
23/12/24 05:45	8	9	17	1	12.9	81	6.3	254	6
23/12/24 05:50	7	9	16	1	13.0	81	6.1	249	9
23/12/24 05:55	6	7	14	1	12.9	81	5.8	247	7
23/12/24 06:00	5	5	10	1	12.8	80	6.2	253	7
23/12/24 06:05	4	7	11	1	12.9	81	6.2	254	9
23/12/24 06:10	5	7	12	2	12.9	80	6.8	247	7
23/12/24 06:15	4	7	11	1	13.1	79	6.6	248	10
23/12/24 06:20	4	5	9	1	13.3	79	6.5	241	6
23/12/24 06:25	3	4	7	2	13.4	78	7.3	244	8
23/12/24 06:30	3	3	6	2	13.4	77	7.1	245	6
23/12/24 06:35	3	5	8	2	13.4	79	6.5	249	7
23/12/24 06:40	3	5	8	2	13.3	78	6.9	248	7
23/12/24 06:45	3	4	7	1	13.3	78	6.8	248	6
23/12/24 06:50	3	3	5	1	13.5	78	6.9	245	8
23/12/24 06:55	2	3	5	1	13.4	78	5.8	247	9
23/12/24 07:00	2	3	5	1	13.5	77	5.7	245	8
23/12/24 07:05	2	3	5	1	13.5	76	6.0	247	5
23/12/24 07:10	3	3	6	1	13.9	76	6.7	244	7
23/12/24 07:15	3	4	6	1	14.0	76	6.8	250	9
23/12/24 07:20	2	3	6	1	14.1	76	7.3	248	9
23/12/24 07:25	2	3	5	1	14.2	75	6.7	245	6
23/12/24 07:30	2	3	5	1	14.3	73	7.6	241	8
23/12/24 07:35	2	3	5	1	14.4	72	7.3	241	8
23/12/24 07:40	2	3	5	1	14.6	71	6.2	243	9
23/12/24 07:45	2	3	5	2	14.9	70	7.4	238	7
23/12/24 07:50	2	3	5	1	15.0	70	8.5	233	7
23/12/24 07:55	2	2	4	1	15.0	70	8.8	227	6
23/12/24 08:00	2	2	4	1	15.0	71	9.0	232	7
23/12/24 08:05	2	2	3	1	15.2	71	8.5	231	11
23/12/24 08:10	2	2	4	1	15.3	69	9.0	232	7
23/12/24 08:15	1	2	3	1	15.7	71	8.8	218	6
23/12/24 08:20	1	1	3	1	15.7	67	8.5	231	9
23/12/24 08:25	1	1	3	1	15.6	67	8.6	229	5
23/12/24 08:30	1	1	3	2	15.6	66	7.7	229	5
23/12/24 08:35	1	2	3	1	15.9	67	8.4	234	7
23/12/24 08:40	1	2	3	1	15.6	66	9.5	233	5
23/12/24 08:45	1	2	2	1	15.6	66	7.8	229	6
23/12/24 08:50	1	2	3	1	15.9	67	8.1	231	10
23/12/24 08:55	1	2	3	1	16.0	66	8.4	230	7
23/12/24 09:00	1	2	3	1	16.1	67	8.0	227	11
23/12/24 09:05	1	2	3	1	16.1	64	8.5	230	10
23/12/24 09:10	1	2	3	1	16.2	65	7.6	226	6
23/12/24 09:15	1	2	2	1	16.3	66	8.1	221	6
23/12/24 09:20	1	2	2	1	16.3	67	10.0	227	6
23/12/24 09:25	1	1	2	1	15.7	77	11.2	207	7
23/12/24 09:30	1	1	2	1	14.9	82	9.5	212	6
23/12/24 09:35	1	1	2	1	14.7	80	6.5	215	6
23/12/24 09:40	1	1	2	1	14.8	75	5.1	203	9
23/12/24 09:45	1	1	2	1	15.1	73	5.2	212	5
23/12/24 09:50	1	1	2	2	15.7	71	5.5	216	10
23/12/24 09:55	0	1	1	2	16.2	67	6.9	217	9
23/12/24 10:00	1	1	1	1	16.6	63	7.9	220	6
23/12/24 10:05	0	1	1	1	16.7	61	7.7	218	9
23/12/24 10:10	0	1	1	1	16.8	61	7.2	212	6
23/12/24 10:15	0	1	1	1	16.9	61	7.1	216	6
23/12/24 10:20	0	1	1	1	16.9	62	7.2	217	13
23/12/24 10:25	0	1	1	2	17.0	62	7.1	215	6
23/12/24 10:30	0	1	1	2	17.0	61	7.9	212	7
23/12/24 10:35	0	1	1	2	17.0	64	9.0	205	7
23/12/24 10:40	37	13	51	1	16.2	70	9.0	195	6
23/12/24 10:45	6	1	7	1	15.8	74	9.7	200	6
23/12/24 10:50	4	3	7	1	15.8	74	9.7	205	7
23/12/24 10:55	0	0	1	1	15.9	72	8.7	205	8
23/12/24 11:00	0	1	1	1	16.0	74	8.4	217	11

Station Pier Ambient Air Quality Monitoring
December 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 (°)
23/12/24 11:05	0	1	1	1	15.6	70	6.9	214	8
23/12/24 11:10	0	1	1	1	16.0	69	7.7	210	12
23/12/24 11:15	0	1	1	1	16.3	68	7.3	214	5
23/12/24 11:20	0	1	1	1	16.5	68	8.4	218	7
23/12/24 11:25	0	1	1	1	16.5	66	7.7	223	8
23/12/24 11:30	0	1	1	1	16.6	61	7.8	220	8
23/12/24 11:35	0	1	0	1	16.7	62	7.1	210	10
23/12/24 11:40	0	1	1	1	16.9	62	7.8	215	6
23/12/24 11:45	0	1	1	1	16.9	61	6.8	208	9
23/12/24 11:50	1	1	1	1	16.9	63	7.7	210	10
23/12/24 11:55	0	1	1	1	16.8	67	9.4	213	5
23/12/24 12:00	1	1	2	1	16.4	71	10.6	222	5
23/12/24 12:05	1	1	1	1	16.0	73	10.3	217	5
23/12/24 12:10	0	1	1	1	16.0	76	9.7	216	4
23/12/24 12:15	0	1	1	1	16.2	75	9.1	205	6
23/12/24 12:20	0	1	1	1	16.4	73	9.1	211	4
23/12/24 12:25	0	1	1	1	16.5	69	7.9	212	7
23/12/24 12:30	0	1	1	1	16.4	68	7.0	218	8
23/12/24 12:35	0	1	1	1	16.6	67	7.5	208	6
23/12/24 12:40	0	1	1	1	16.7	68	7.5	203	6
23/12/24 12:45	13	5	18	1	16.7	68	6.6	193	7
23/12/24 12:50	9	3	11	1	16.8	68	6.6	200	7
23/12/24 12:55	1	2	3	1	16.8	66	7.0	204	6
23/12/24 13:00	1	2	3	1	16.8	65	7.1	200	6
23/12/24 13:05	1	0	1	1	16.8	65	6.8	199	7
23/12/24 13:10	9	1	10	1	16.9	64	6.1	196	7
23/12/24 13:15	3	4	7	1	17.0	66	6.2	201	7
23/12/24 13:20	4	6	9	1	17.2	62	6.1	203	7
23/12/24 13:25	12	5	16	1	17.4	62	5.0	194	12
23/12/24 13:30	17	7	23	1	17.7	67	8.6	198	6
23/12/24 13:35	2	0	2	1	17.1	67	8.3	200	4
23/12/24 13:40	0	1	0	2	17.1	67	7.5	210	7
23/12/24 13:45	0	1	0	2	17.3	65	6.6	214	8
23/12/24 13:50	0	1	1	1	17.7	63	6.7	208	9
23/12/24 13:55	0	1	1	1	17.8	61	7.0	205	11
23/12/24 14:00	2	7	8	1	17.8	59	6.3	199	8
23/12/24 14:05	10	9	19	1	18.1	57	6.1	198	14
23/12/24 14:10	75	21	96	1	18.1	65	7.1	191	8
23/12/24 14:15	100	21	120	1	17.7	64	8.5	197	9
23/12/24 14:20	33	13	46	2	17.5	65	9.3	196	7
23/12/24 14:25	52	15	68	1	17.4	61	7.1	192	8
23/12/24 14:30	3	2	5	1	17.6	65	8.4	200	8
23/12/24 14:35	2	1	3	1	17.5	64	8.2	207	7
23/12/24 14:40				1	17.7	64	6.2	196	10
23/12/24 14:45	9	9	18	1	17.7	61	6.8	196	11
23/12/24 14:50	10	8	18	1	17.9	61	5.9	187	10
23/12/24 14:55	40	11	51	1	17.8	63	6.9	193	7
23/12/24 15:00	41	5	46	1	17.8	63	7.0	193	9
23/12/24 15:05	20	10	30	1	17.8	62	7.6	195	9
23/12/24 15:10	5	1	6	2	17.7	63	9.0	201	7
23/12/24 15:15	3	3	7	2	17.8	62	8.0	196	6
23/12/24 15:20	8	6	14	2	17.9	61	7.7	198	8
23/12/24 15:25	112	27	140	2	17.8	61	7.1	191	7
23/12/24 15:30	56	16	72	2	17.7	63	7.4	187	9
23/12/24 15:35	59	20	79	2	17.7	65	8.5	194	8
23/12/24 15:40	53	5	58	2	17.6	64	7.7	193	9
23/12/24 15:45	88	16	104	2	17.7	64	8.3	196	9
23/12/24 15:50	65	10	75	2	17.8	65	7.1	197	8
23/12/24 15:55	118	9	127	2	17.8	64	7.0	197	11
23/12/24 16:00	78	4	82	2	17.8	63	7.4	196	13
23/12/24 16:05	19	6	25	2	17.8	64	9.8	204	8
23/12/24 16:10	0	1	1	2	17.8	64	9.9	199	8
23/12/24 16:15	0	1	1	1	17.6	66	11.0	208	7
23/12/24 16:20	0	1	1	1	17.5	66	10.4	207	5
23/12/24 16:25	1	1	2	1	17.4	67	9.9	206	7
23/12/24 16:30	1	1	2	1	17.6	68	10.3	209	5
23/12/24 16:35	1	1	1	1	17.6	68	9.9	209	6
23/12/24 16:40	0	1	1	1	17.9	65	9.8	219	7
23/12/24 16:45	0	1	1	1	17.8	62	9.2	210	7
23/12/24 16:50	0	1	1	1	18.1	63	8.9	204	7
23/12/24 16:55	0	1	1	2	17.9	61	8.7	200	5
23/12/24 17:00	0	1	1	1	17.8	65	7.2	190	9
23/12/24 17:05	0	1	1	1	17.3	67	8.9	189	6
23/12/24 17:10	0	1	1	1	17.3	67	8.6	192	5
23/12/24 17:15	1	1	2	1	17.5	69	9.0	198	7
23/12/24 17:20	1	1	2	1	17.3	68	8.0	193	6
23/12/24 17:25	1	1	2	1	17.6	68	8.2	195	6
23/12/24 17:30	1	1	1	1	17.6	70	8.4	198	7
23/12/24 17:35	1	1	2	1	17.5	66	7.6	196	7
23/12/24 17:40	1	1	3	1	17.5	67	8.6	193	4
23/12/24 17:45	1	1	2	1	17.6	67	8.2	201	7
23/12/24 17:50	1	0	1	1	17.6	66	8.0	199	6
23/12/24 17:55	1	0	1	1	17.6	69	8.1	210	6
23/12/24 18:00	1	0	1	1	17.1	73	9.6	206	7

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
23/12/24 18:05	0	0	1	2	16.8	73	8.9	212	7
23/12/24 18:10	0	0	1	1	17.1	71	9.7	201	7
23/12/24 18:15	0	0	1	2	17.1	69	8.7	208	7
23/12/24 18:20	0	0	1	1	17.6	69	9.7	210	7
23/12/24 18:25	0	0	1	1	17.8	63	10.3	217	4
23/12/24 18:30	0	1	1	1	17.9	61	10.7	224	6
23/12/24 18:35	0	1	1	1	17.7	59	10.2	227	6
23/12/24 18:40	1	2	2	1	17.7	61	8.8	226	7
23/12/24 18:45	1	2	3	1	17.8	63	8.7	204	12
23/12/24 18:50	1	1	2	1	17.9	65	9.1	206	8
23/12/24 18:55	1	1	1	1	17.8	62	7.7	205	8
23/12/24 19:00	0	1	1	2	17.7	62	7.9	210	7
23/12/24 19:05	0	1	1	2	18.0	65	8.0	201	9
23/12/24 19:10	0	1	1	1	17.8	69	9.7	201	5
23/12/24 19:15	0	1	1	1	17.8	66	8.8	200	7
23/12/24 19:20	0	1	1	1	17.7	69	8.9	197	6
23/12/24 19:25	0	1	1	2	17.6	67	9.3	198	7
23/12/24 19:30	0	0	1	2	17.4	66	8.5	193	7
23/12/24 19:35	0	1	1	1	17.5	68	8.8	201	7
23/12/24 19:40	0	0	1	1	17.5	67	8.7	195	5
23/12/24 19:45	0	0	1	1	17.5	67	10.9	197	7
23/12/24 19:50	1	1	2	1	17.4	65	10.5	206	6
23/12/24 19:55	1	0	1	2	17.5	66	10.7	198	6
23/12/24 20:00	0	0	1	1	17.7	64	10.4	209	5
23/12/24 20:05	0	0	1	1	17.6	62	11.4	205	5
23/12/24 20:10	0	0	1	2	17.6	61	10.7	209	6
23/12/24 20:15	0	0	1	1	17.7	63	10.9	203	7
23/12/24 20:20	0	0	0	1	17.5	59	11.0	205	5
23/12/24 20:25	0	0	1	1	17.5	64	10.3	201	7
23/12/24 20:30	0	0	1	1	17.4	64	10.5	203	5
23/12/24 20:35	0	0	0	1	17.3	65	8.3	195	9
23/12/24 20:40	0	0	0	1	17.2	65	9.3	196	6
23/12/24 20:45	0	0	0	1	17.4	65	9.8	198	6
23/12/24 20:50	0	0	0	1	17.3	66	9.2	193	5
23/12/24 20:55	0	0	0	1	17.3	67	8.9	199	6
23/12/24 21:00	0	0	1	1	17.3	66	10.4	198	5
23/12/24 21:05	0	0	1	1	17.2	67	10.6	200	7
23/12/24 21:10	0	0	1	1	17.3	68	10.3	202	7
23/12/24 21:15	0	0	1	1	16.9	71	9.2	193	7
23/12/24 21:20	0	0	1	1	16.5	73	8.7	192	6
23/12/24 21:25	0	1	1	1	16.4	76	7.9	202	11
23/12/24 21:30	0	1	1	1	16.2	70	8.8	229	8
23/12/24 21:35	0	1	1	1	16.0	71	8.5	230	7
23/12/24 21:40	0	1	1	1	16.3	67	9.9	234	7
23/12/24 21:45	0	2	2	1	16.3	62	9.9	237	5
23/12/24 21:50	1	3	4	1	16.2	64	8.4	235	7
23/12/24 21:55	0	3	3	1	16.1	65	8.4	241	7
23/12/24 22:00	0	2	3	1	16.1	66	8.1	240	7
23/12/24 22:05	0	2	3	1	15.9	66	7.4	240	7
23/12/24 22:10	0	2	3	1	15.9	67	6.4	243	6
23/12/24 22:15	0	2	3	1	15.8	67	6.5	239	8
23/12/24 22:20	1	4	5	1	15.8	69	6.7	242	7
23/12/24 22:25	1	3	4	1	15.9	70	6.7	246	8
23/12/24 22:30	1	5	6	1	15.7	71	6.2	243	7
23/12/24 22:35	1	5	5	1	15.5	72	7.0	244	8
23/12/24 22:40	1	3	3	1	15.6	73	7.5	245	7
23/12/24 22:45	0	2	2	1	15.4	73	6.3	243	8
23/12/24 22:50	0	2	2	1	15.5	73	6.7	242	7
23/12/24 22:55	0	2	2	1	15.3	73	6.4	241	8
23/12/24 23:00	0	2	2	1	15.4	73	7.4	241	8
23/12/24 23:05	0	2	2	1	15.4	74	7.1	234	6
23/12/24 23:10	0	2	2	1	15.3	73	6.5	231	8
23/12/24 23:15	0	3	3	1	15.2	74	5.8	235	8
23/12/24 23:20	0	3	3	1	15.1	74	6.1	239	8
23/12/24 23:25	1	3	4	1	15.1	73	6.6	245	6
23/12/24 23:30	1	3	3	1	15.2	73	7.4	240	8
23/12/24 23:35	0	3	3	1	15.3	73	6.9	237	9
23/12/24 23:40	1	3	4	1	15.3	73	6.6	240	7
23/12/24 23:45	1	3	4	1	15.4	75	6.2	236	9
23/12/24 23:50	1	4	5		15.5	74	7.0	230	11
23/12/24 23:55	1	4	5		15.5	74	7.7	233	10
24/12/24 00:00	1	4	5	1	15.3	77	7.0	237	10
24/12/24 00:05	1	4	5	2	15.3	75	6.1	241	9
24/12/24 00:10	1	4	5	2	15.4	74	6.4	245	9
24/12/24 00:15	1	3	4	2	15.3	72	6.5	244	8
24/12/24 00:20	0	3	4	2	15.4	72	6.6	243	8
24/12/24 00:25	0	3	4	2	15.6	73	6.6	244	6
24/12/24 00:30	0	3	4	2	15.6	72	6.6	246	6
24/12/24 00:35	0	3	3	2	15.7	72	6.2	240	8
24/12/24 00:40	1	3	4	2	15.6	71	7.3	242	8
24/12/24 00:45	1	4	5	2	15.6	71	7.1	242	8
24/12/24 00:50	1	5	6	2	15.6	72	7.0	248	6
24/12/24 00:55	1	5	6	2	15.6	72	6.9	245	8
24/12/24 01:00	1	4	6	2	15.6	71	6.7	240	7

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
24/12/24 01:05					15.5	71	6.9	240	6
24/12/24 01:10					15.5	71	6.2	236	7
24/12/24 01:15					15.4	70	6.4	239	9
24/12/24 01:20					15.5	71	6.4	240	6
24/12/24 01:25					15.6	72	6.3	237	7
24/12/24 01:30					15.6	71	6.9	236	7
24/12/24 01:35					15.6	72	6.5	238	6
24/12/24 01:40					15.6	74	7.5	227	9
24/12/24 01:45					15.5	76	7.9	222	11
24/12/24 01:50					15.3	78	6.7	225	9
24/12/24 01:55					15.4	76	5.1	238	9
24/12/24 02:00					15.4	73	5.7	236	6
24/12/24 02:05	1	4	5	2	15.7	73	6.4	242	7
24/12/24 02:10	1	4	4	2	15.7	72	7.0	240	7
24/12/24 02:15	1	3	4	2	15.7	72	5.8	242	8
24/12/24 02:20	1	3	4	2	15.7	73	6.2	237	8
24/12/24 02:25	1	4	5	2	15.8	74	5.9	236	8
24/12/24 02:30	1	4	5	2	15.9	74	6.2	238	10
24/12/24 02:35	1	4	5	2	15.8	73	5.7	241	13
24/12/24 02:40	1	4	5	2	15.9	73	5.6	241	8
24/12/24 02:45	1	4	5	2	15.8	73	5.3	237	7
24/12/24 02:50	1	4	4	2	15.7	72	6.1	236	6
24/12/24 02:55	1	4	4	2	15.6	71	7.3	243	6
24/12/24 03:00	1	4	4	2	15.7	72	6.6	239	6
24/12/24 03:05	1	4	5	2	15.7	72	6.4	238	6
24/12/24 03:10	1	4	5	2	15.7	71	6.4	239	7
24/12/24 03:15	1	4	5	2	15.7	72	6.3	239	8
24/12/24 03:20	1	4	4	2	15.7	72	6.0	242	8
24/12/24 03:25	1	4	4	2	15.7	72	6.7	244	9
24/12/24 03:30	1	3	4	2	15.7	73	6.8	235	9
24/12/24 03:35	1	4	4	2	15.7	75	6.9	232	7
24/12/24 03:40	1	4	5	2	15.5	77	7.6	235	8
24/12/24 03:45	1	4	5	2	15.2	79	8.5	234	6
24/12/24 03:50	1	4	5	2	14.7	84	8.4	235	5
24/12/24 03:55	1	4	5	2	14.6	88	6.9	236	8
24/12/24 04:00	1	5	6	2	14.5	88	6.9	237	7
24/12/24 04:05	1	5	6	2	14.4	89	6.8	237	7
24/12/24 04:10	1	5	6	2	14.2	90	5.9	235	7
24/12/24 04:15	1	5	6	2	14.2	92	5.0	239	7
24/12/24 04:20	1	5	6	2	14.2	92	4.3	242	7
24/12/24 04:25	1	4	5	1	14.2	91	3.8	243	9
24/12/24 04:30	1	4	5	2	14.2	91	3.5	249	6
24/12/24 04:35	1	4	5	2	14.4	89	4.1	260	9
24/12/24 04:40	1	5	6	2	14.5	86	4.5	254	9
24/12/24 04:45	3	10	14	2	14.6	83	5.2	247	7
24/12/24 04:50	6	9	15	2	14.7	82	4.9	247	8
24/12/24 04:55	1	6	8	2	14.8	82	4.4	243	9
24/12/24 05:00	1	6	7	2	14.9	82	5.1	240	8
24/12/24 05:05	1	4	5	2	15.0	80	4.9	242	7
24/12/24 05:10	1	3	4	2	15.0	79	5.2	240	9
24/12/24 05:15	1	3	4	2	15.2	80	5.2	245	8
24/12/24 05:20	1	3	4	2	15.2	78	6.0	239	8
24/12/24 05:25	1	4	4	2	15.3	78	6.0	239	7
24/12/24 05:30	1	4	5	2	15.4	78	5.8	233	7
24/12/24 05:35	1	4	4	2	15.4	81	7.7	224	6
24/12/24 05:40	1	3	4	2	15.1	82	6.4	234	8
24/12/24 05:45	1	3	4	2	15.0	83	5.6	234	6
24/12/24 05:50	1	4	5	2	15.1	82	5.4	230	8
24/12/24 05:55	1	4	5	2	15.3	81	5.4	238	8
24/12/24 06:00	1	4	6	2	15.2	80	4.9	238	8
24/12/24 06:05	2	5	7	2	15.3	81	4.7	240	6
24/12/24 06:10	2	6	8	2	15.4	81	4.3	251	8
24/12/24 06:15	2	6	7	2	15.4	80	4.8	248	7
24/12/24 06:20	2	5	7	2	15.3	78	4.6	249	6
24/12/24 06:25	2	5	7	2	15.4	78	4.4	245	8
24/12/24 06:30	2	5	7	2	15.4	78	4.8	245	9
24/12/24 06:35	2	5	7	2	15.6	78	4.9	239	8
24/12/24 06:40	2	5	6	2	15.7	76	5.2	242	9
24/12/24 06:45	1	5	6	2	15.7	77	5.2	244	10
24/12/24 06:50	1	4	6	2	15.8	77	5.4	245	8
24/12/24 06:55	1	4	6	2	15.8	76	5.5	249	7
24/12/24 07:00	1	4	6	2	15.9	76	4.7	243	8
24/12/24 07:05	2	4	6	2	16.0	76	5.6	244	9
24/12/24 07:10	2	4	5	2	16.0	76	5.5	247	8
24/12/24 07:15	2	4	5	2	16.1	77	5.2	246	7
24/12/24 07:20	2	4	5	2	16.1	76	5.5	241	7
24/12/24 07:25	2	4	5	2	16.1	77	6.3	255	8
24/12/24 07:30	2	4	6	2	16.2	77	5.5	248	9
24/12/24 07:35	2	4	5	2	16.1	75	5.9	246	6
24/12/24 07:40	2	3	5	2	16.2	76	5.9	249	5
24/12/24 07:45	2	3	5	2	16.3	75	5.7	234	7
24/12/24 07:50	2	3	5	2	16.2	74	5.1	239	7
24/12/24 07:55	2	3	5	2	16.4	75	4.9	241	16
24/12/24 08:00	2	3	5	2	16.7	74	4.9	246	9

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
24/12/24 08:05	2	3	5	2	16.8	73	6.0	231	8
24/12/24 08:10	2	3	4	2	16.7	73	6.0	240	8
24/12/24 08:15	2	3	4	2	16.7	73	5.8	239	11
24/12/24 08:20	2	3	4	2	17.0	74	5.9	239	9
24/12/24 08:25	2	3	4	2	16.9	72	5.8	233	5
24/12/24 08:30	1	2	4	2	16.9	72	5.3	233	7
24/12/24 08:35	2	3	4	2	17.2	73	5.8	232	8
24/12/24 08:40	2	2	4	2	17.2	72	5.8	230	7
24/12/24 08:45	1	2	3	2	17.3	72	5.7	226	7
24/12/24 08:50	1	2	3	2	17.3	73	5.9	226	9
24/12/24 08:55	1	2	3	2	17.4	72	6.2	233	6
24/12/24 09:00	1	2	3	2	17.4	72	6.2	227	9
24/12/24 09:05	1	2	2	2	17.4	72	6.1	224	9
24/12/24 09:10	1	1	2	2	17.5	75	5.9	212	7
24/12/24 09:15	1	1	2	2	17.7	74	6.6	207	8
24/12/24 09:20	1	1	2	2	17.7	73	5.5	218	8
24/12/24 09:25	1	1	2	2	17.9	73	5.7	207	8
24/12/24 09:30	1	1	2	2	17.9	70	5.4	223	10
24/12/24 09:35	1	1	2	2	17.8	70	4.2	232	10
24/12/24 09:40	1	1	2	2	18.0	71	5.7	223	7
24/12/24 09:45	1	1	2	2	17.9	70	4.2	227	10
24/12/24 09:50	1	1	2	2	18.0	69	4.5	213	15
24/12/24 09:55	1	2	3	2	18.2	70	5.1	208	10
24/12/24 10:00	1	1	2	2	18.4	71	5.6	212	5
24/12/24 10:05	0	1	2	2	18.3	70	4.6	215	8
24/12/24 10:10	0	1	1	2	18.4	68	4.7	216	10
24/12/24 10:15	0	1	1	2	18.5	67	4.6	214	6
24/12/24 10:20	0	1	1	2	18.6	71	5.3	210	10
24/12/24 10:25	0	1	1	2	18.5	69	5.9	208	7
24/12/24 10:30	0	1	1	3	18.8	66	4.9	207	8
24/12/24 10:35	1	1	2	2	18.9	66	4.6	197	7
24/12/24 10:40	3	2	5	2	19.0	67	4.6	197	6
24/12/24 10:45	2	4	6	2	18.8	68	5.1	200	5
24/12/24 10:50	11	5	16	2	18.7	70	3.8	193	11
24/12/24 10:55	12	10	22	2	18.8	68	4.4	197	7
24/12/24 11:00	8	7	14	2	18.9	67	5.2	195	5
24/12/24 11:05	6	5	11	2	18.8	68	4.5	199	5
24/12/24 11:10	4	2	6	2	18.9	70	5.5	203	7
24/12/24 11:15	1	1	2	2	18.9	70	5.7	205	6
24/12/24 11:20	1	1	2	2	19.0	70	5.3	210	6
24/12/24 11:25	1	2	3	2	19.1	68	5.2	201	5
24/12/24 11:30	12	1	13	2	19.3	66	4.8	196	5
24/12/24 11:35	10	4	14	2	19.4	66	5.1	198	5
24/12/24 11:40	9	3	11	2	19.5	67	4.3	193	7
24/12/24 11:45	9	6	15	2	19.7	67	4.3	193	7
24/12/24 11:50	9	6	14	2	19.6	66	4.6	197	5
24/12/24 11:55	19	6	25	2	19.6	65	4.6	195	7
24/12/24 12:00	7	2	8	2	19.4	66	4.7	198	4
24/12/24 12:05	7	2	9	2	19.5	67	4.5	198	6
24/12/24 12:10	7	4	10	2	19.7	66	3.6	193	9
24/12/24 12:15	10	4	14	2	19.7	65	3.6	195	12
24/12/24 12:20	1	3	4	2	19.9	64	2.6	177	15
24/12/24 12:25	12	5	17	2	20.9	62	2.4	178	17
24/12/24 12:30	10	8	17	2	21.1	61	2.8	181	14
24/12/24 12:35	21	7	28	2	21.2	61	2.6	167	22
24/12/24 12:40	6	5	11	2	21.2	61	2.4	154	24
24/12/24 12:45	3	3	6	2	21.3	60	2.3	154	25
24/12/24 12:50	2	4	7	2	21.1	61	2.9	131	15
24/12/24 12:55	4	1	5	2	20.6	63	3.1	130	15
24/12/24 13:00	1	2	3	2	20.4	64	2.5	125	22
24/12/24 13:05	1	1	2	2	20.5	63	3.1	128	12
24/12/24 13:10	1	3	4	2	20.3	63	2.6	133	20
24/12/24 13:15	1	2	3	2	20.7	64	2.2	146	27
24/12/24 13:20	1	2	2	2	21.1	62	2.8	137	18
24/12/24 13:25	1	1	2	2	20.9	62	2.2	146	24
24/12/24 13:30	2	2	4	2	20.9	61	2.2	139	25
24/12/24 13:35	1	1	2	2	20.9	61	2.8	134	17
24/12/24 13:40	1	1	2	2	20.9	63	2.1	144	22
24/12/24 13:45	1	1	2	2	21.0	62	2.9	135	16
24/12/24 13:50	1	1	2	2	20.6	63	3.0	128	15
24/12/24 13:55	0	1	1	2	20.5	63	3.3	130	13
24/12/24 14:00	1	1	2	2	20.4	65	2.6	127	18
24/12/24 14:05	2	1	4	2	20.5	63	3.0	130	13
24/12/24 14:10	2	4	6	2	20.5	64	3.2	134	12
24/12/24 14:15	1	1	2	2	20.6	64	2.9	131	17
24/12/24 14:20	1	2	3	2	20.8	64	2.3	140	25
24/12/24 14:25	1	2	2	2	21.1	62	2.3	142	21
24/12/24 14:30	1	2	3	2	21.3	61	1.9	149	25
24/12/24 14:35	2	2	3	2	21.7	59	1.9	157	22
24/12/24 14:40	3	3	6	2	21.9	59	1.8	160	27
24/12/24 14:45	2	2	4	2	22.0	59	2.5	157	21
24/12/24 14:50	4	3	7	2	22.0	60	2.7	162	17
24/12/24 14:55	1	2	3	2	22.0	61	2.8	163	20
24/12/24 15:00	2	2	4	2	22.2	62	2.6	170	18

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
24/12/24 15:05	3	2	5	2	22.3	62	2.8	172	17
24/12/24 15:10	5	4	10	2	22.3	62	2.8	179	12
24/12/24 15:15	8	6	14	2	22.2	63	3.2	177	12
24/12/24 15:20	15	4	19	2	22.1	63	3.5	178	13
24/12/24 15:25	9	3	12	2	22.0	63	2.8	174	14
24/12/24 15:30	4	3	7	2	22.2	62	3.3	171	17
24/12/24 15:35	6	4	10	2	22.2	62	3.0	174	14
24/12/24 15:40	4	3	7	2	22.1	61	2.9	167	21
24/12/24 15:45	5	2	7	2	22.2	62	2.7	175	16
24/12/24 15:50	10	3	13	2	22.2	62	3.2	176	17
24/12/24 15:55	5	5	9	2	22.2	62	2.6	178	14
24/12/24 16:00	4	2	6	2	22.3	61	2.7	170	15
24/12/24 16:05	9	5	13	2	22.3	61	2.9	175	17
24/12/24 16:10	21	5	26	2	22.2	62	3.1	179	15
24/12/24 16:15	4	2	6	2	22.1	61	2.8	172	18
24/12/24 16:20	1	1	2	2	22.1	61	3.1	169	16
24/12/24 16:25	2	2	4	2	22.2	62	3.0	164	17
24/12/24 16:30	2	3	4	2	22.1	64	2.9	175	15
24/12/24 16:35				2	22.3	62	2.8	177	13
24/12/24 16:40	4	3	7	2	22.4	62	2.8	171	17
24/12/24 16:45	3	2	5	2	22.4	62	3.4	180	13
24/12/24 16:50	14	9	23	2	22.2	63	3.4	178	16
24/12/24 16:55	57	15	71	2	21.9	64	3.5	181	11
24/12/24 17:00	37	10	48	2	21.9	65	3.4	180	12
24/12/24 17:05	87	12	99	2	21.9	65	3.3	178	12
24/12/24 17:10	3	2	5	2	21.7	64	3.9	177	13
24/12/24 17:15	2	2	3	2	21.6	66	3.9	181	11
24/12/24 17:20	4	3	8	2	21.6	67	3.5	175	15
24/12/24 17:25	4	4	7	2	21.8	66	3.6	177	13
24/12/24 17:30	5	5	10	2	21.5	67	2.8	172	18
24/12/24 17:35	3	1	4	2	21.8	65	3.2	170	14
24/12/24 17:40	3	3	6	2	21.8	65	2.9	170	18
24/12/24 17:45	3	3	6	2	21.8	67	3.4	171	17
24/12/24 17:50	2	3	5	2	21.6	67	3.5	172	15
24/12/24 17:55	2	3	5	2	21.5	68	3.3	177	11
24/12/24 18:00	2	3	5	2	21.5	68	3.1	164	17
24/12/24 18:05	2	2	4	2	21.5	68	2.8	163	19
24/12/24 18:10	2	2	4	2	21.5	68	3.6	176	10
24/12/24 18:15	2	2	4	2	21.3	69	3.0	166	17
24/12/24 18:20	1	2	3	2	21.3	69	2.7	168	18
24/12/24 18:25	1	2	3	2	21.4	69	2.6	170	17
24/12/24 18:30	1	2	2	2	21.3	68	3.2	177	12
24/12/24 18:35	1	1	2	2	21.3	69	2.8	178	14
24/12/24 18:40	1	1	2	2	21.1	69	2.9	176	14
24/12/24 18:45	1	1	2	2	21.0	70	3.0	174	18
24/12/24 18:50	1	1	2	2	21.1	70	2.8	171	17
24/12/24 18:55	1	2	3	2	21.2	70	2.7	179	15
24/12/24 19:00	1	3	4	2	21.1	71	3.1	177	12
24/12/24 19:05	1	3	5	2	21.0	72	3.2	170	16
24/12/24 19:10	1	4	5	2	20.9	72	3.1	171	17
24/12/24 19:15	1	4	5	2	20.8	74	3.1	172	14
24/12/24 19:20	1	4	5	2	20.5	74	3.5	175	15
24/12/24 19:25	1	3	4	2	20.4	76	3.6	176	12
24/12/24 19:30	1	3	4	2	20.2	77	3.6	179	14
24/12/24 19:35	1	3	3	2	20.1	78	3.7	176	12
24/12/24 19:40	0	3	3	2	19.9	78	4.3	180	10
24/12/24 19:45	0	2	3	2	19.7	78	4.0	178	12
24/12/24 19:50	0	2	2	2	19.6	80	3.9	178	13
24/12/24 19:55	0	2	2	2	19.6	80	4.4	182	11
24/12/24 20:00	0	2	2	2	19.4	80	4.1	180	11
24/12/24 20:05	0	2	2	2	19.3	80	4.6	181	11
24/12/24 20:10	0	1	2	1	19.4	80	4.0	180	9
24/12/24 20:15	0	1	2	2	19.3	81	4.1	178	10
24/12/24 20:20	0	1	1	2	19.3	81	4.2	177	11
24/12/24 20:25	0	1	1	2	19.2	81	4.2	178	13
24/12/24 20:30	0	1	1	2	19.2	80	4.4	180	10
24/12/24 20:35	0	1	1	2	19.3	81	3.9	177	12
24/12/24 20:40	0	1	1	2	19.3	81	3.5	176	15
24/12/24 20:45	0	2	2	2	19.2	80	4.1	173	16
24/12/24 20:50	0	2	2	2	19.3	80	4.0	179	12
24/12/24 20:55	0	1	1	2	19.4	81	3.9	177	11
24/12/24 21:00	0	2	2	2	19.4	82	3.4	176	13
24/12/24 21:05	0	2	2	2	19.3	80	4.2	178	11
24/12/24 21:10	0	1	1	2	19.2	81	3.6	177	14
24/12/24 21:15	0	1	1	2	19.2	81	3.7	177	13
24/12/24 21:20	0	1	1	2	19.2	81	3.8	175	12
24/12/24 21:25	0	1	1	2	19.1	81	3.3	174	16
24/12/24 21:30	0	1	1	2	19.3	81	3.3	171	17
24/12/24 21:35	0	1	1	2	19.1	80	4.0	179	11
24/12/24 21:40	0	1	1	2	19.1	81	3.0	169	20
24/12/24 21:45	0	1	1	2	19.1	82	2.9	171	19
24/12/24 21:50	0	1	1	2	19.2	82	3.1	166	18
24/12/24 21:55	0	1	1	2	19.1	81	3.1	174	15
24/12/24 22:00	0	1	1	2	19.0	81	3.0	173	18

Station Pier Ambient Air Quality Monitoring
December 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 (°)
24/12/24 22:05	0	1	1	2	19.0	81	3.0	177	13
24/12/24 22:10	0	1	1	2	19.0	81	3.5	176	12
24/12/24 22:15	0	1	1	2	18.9	81	2.7	179	11
24/12/24 22:20	0	0	1	2	18.9	81	2.3	161	21
24/12/24 22:25	0	0	1	2	18.9	81	2.4	164	19
24/12/24 22:30	0	0	1	2	18.9	80	2.5	156	22
24/12/24 22:35	0	0	1	2	18.8	80	2.3	153	27
24/12/24 22:40	0	0	1	2	18.8	80	2.2	133	28
24/12/24 22:45	0	1	1	2	18.7	80	2.8	134	15
24/12/24 22:50	0	1	1	2	18.6	80	2.5	134	23
24/12/24 22:55	0	1	1	2	18.7	80	2.3	100	15
24/12/24 23:00	0	2	2	2	18.6	80	2.7	94	6
24/12/24 23:05	0	2	2	2	18.5	80	2.5	96	7
24/12/24 23:10	0	2	2	2	18.5	80	2.7	99	6
24/12/24 23:15	0	2	2	2	18.4	79	2.1	91	10
24/12/24 23:20	0	2	3	2	18.4	80	2.3	95	7
24/12/24 23:25	0	2	3	2	18.5	80	2.8	99	7
24/12/24 23:30	0	3	3	2	18.4	79	2.4	92	8
24/12/24 23:35	0	2	2	2	18.5	79	2.7	91	8
24/12/24 23:40	0	2	2	2	18.5	80	2.9	97	6
24/12/24 23:45	0	2	2	2	18.3	79	2.9	92	8
24/12/24 23:50	0	2	2		18.3	80	2.9	95	5
24/12/24 23:55	0	2	2		18.3	80	2.9	99	6
25/12/24 00:00	0	2	2	2	18.4	80	2.3	97	11
25/12/24 00:05	0	2	2	2	18.3	79	2.2	85	7
25/12/24 00:10	0	2	2	2	18.3	79	2.5	96	5
25/12/24 00:15	0	2	2	2	18.3	80	2.4	95	9
25/12/24 00:20	0	2	2	2	18.4	80	2.1	101	16
25/12/24 00:25	0	2	2	1	18.4	80	2.8	93	12
25/12/24 00:30	0	2	2	1	18.3	78	2.8	85	8
25/12/24 00:35	0	2	2	1	18.2	78	2.6	89	7
25/12/24 00:40	0	2	2	1	18.2	80	3.0	96	8
25/12/24 00:45	0	2	2	1	18.4	79	2.7	90	9
25/12/24 00:50	0	2	2	1	18.3	78	2.0	84	9
25/12/24 00:55	0	2	2	2	18.3	78	2.0	83	12
25/12/24 01:00	0	2	2	2	18.1	79	2.4	90	6
25/12/24 01:05					18.1	79	2.2	93	9
25/12/24 01:10					18.0	78	1.7	75	14
25/12/24 01:15					18.1	78	2.3	82	19
25/12/24 01:20					18.1	79	3.1	95	5
25/12/24 01:25					18.2	79	2.6	93	9
25/12/24 01:30					18.1	79	1.9	65	9
25/12/24 01:35					18.0	79	1.8	80	8
25/12/24 01:40					18.1	79	2.1	88	6
25/12/24 01:45					18.0	79	1.9	74	11
25/12/24 01:50					18.1	79	2.1	80	7
25/12/24 01:55					18.0	79	1.3	76	18
25/12/24 02:00					18.1	79	2.2	85	12
25/12/24 02:05	0	2	2	2	18.1	79	2.6	88	8
25/12/24 02:10	0	2	2	2	18.0	80	2.6	88	9
25/12/24 02:15	0	2	2	2	17.9	79	1.8	71	17
25/12/24 02:20	0	2	2	2	17.9	80	2.3	82	10
25/12/24 02:25	0	2	2	2	17.8	80	1.8	75	14
25/12/24 02:30	0	2	2	2	17.8	80	1.9	78	13
25/12/24 02:35	0	2	2	2	17.8	80	1.6	66	13
25/12/24 02:40	0	2	2	1	17.8	80	1.9	78	14
25/12/24 02:45	0	2	2	1	17.8	81	2.1	84	10
25/12/24 02:50	0	2	2	2	17.9	81	2.6	86	5
25/12/24 02:55	0	2	2	2	17.6	81	2.5	76	11
25/12/24 03:00	0	2	2	2	17.7	81	2.0	77	11
25/12/24 03:05	0	2	2	2	17.7	81	2.4	79	9
25/12/24 03:10	0	2	2	2	17.7	81	1.9	79	13
25/12/24 03:15	0	2	2	2	17.7	81	1.4	49	22
25/12/24 03:20	0	2	3	2	17.8	81	1.7	73	14
25/12/24 03:25	0	2	3	2	17.7	81	2.0	49	15
25/12/24 03:30	0	3	3	2	17.7	81	1.9	49	14
25/12/24 03:35	0	3	3	2	17.7	81	1.6	56	14
25/12/24 03:40	0	3	3	2	17.7	81	1.3	42	14
25/12/24 03:45	0	3	3	2	17.8	81	1.8	42	13
25/12/24 03:50	0	3	3	1	17.8	80	2.0	50	17
25/12/24 03:55	0	3	3	1	17.7	79	2.6	48	11
25/12/24 04:00	0	3	3	1	17.8	79	2.6	49	10
25/12/24 04:05	0	2	3	1	17.8	79	2.2	52	16
25/12/24 04:10	0	2	3	1	17.9	78	2.3	50	14
25/12/24 04:15	0	2	3	1	17.9	78	2.1	46	12
25/12/24 04:20	0	2	3	1	17.9	77	2.2	53	12
25/12/24 04:25	0	3	3	2	17.9	78	1.8	47	15
25/12/24 04:30	0	3	3	2	18.0	77	1.8	44	15
25/12/24 04:35	0	3	3	2	18.0	77	1.5	43	14
25/12/24 04:40	0	3	3	2	18.0	77	1.4	57	21
25/12/24 04:45	0	3	3	2	18.0	77	1.5	54	19
25/12/24 04:50	0	3	3	2	18.0	77	2.2	52	18
25/12/24 04:55	0	2	3	2	17.9	76	2.5	48	13
25/12/24 05:00	0	2	2	2	17.9	76	2.0	64	13

Station Pier Ambient Air Quality Monitoring

December 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 (°)
25/12/24 05:05	0	2	2	2	18.0	76	1.4	52	14
25/12/24 05:10	0	2	2	1	18.0	76	2.1	52	15
25/12/24 05:15	0	2	2	2	17.9	75	2.8	51	11
25/12/24 05:20	0	2	2	2	18.0	76	2.5	53	12
25/12/24 05:25	0	2	2	2	17.9	75	2.3	57	15
25/12/24 05:30	0	2	2	1	18.0	75	1.9	62	17
25/12/24 05:35	0	2	2	1	18.1	75	1.9	58	15
25/12/24 05:40	0	2	2	1	18.4	74	2.7	51	12
25/12/24 05:45	1	2	2	1	18.3	74	2.3	53	14
25/12/24 05:50	1	2	2	2	18.4	73	2.0	46	15
25/12/24 05:55	1	2	2	1	18.5	73	2.3	53	14
25/12/24 06:00	1	2	2	1	18.4	73	1.8	51	16
25/12/24 06:05	1	2	2	1	18.6	72	1.8	51	16
25/12/24 06:10	1	2	2	2	18.7	72	2.1	48	12
25/12/24 06:15	1	2	3	2	18.8	72	1.6	42	16
25/12/24 06:20	1	2	3	2	18.9	71	2.3	22	14
25/12/24 06:25	1	2	3	2	18.8	71	1.9	31	14
25/12/24 06:30	1	2	4	2	18.9	72	1.8	2	16
25/12/24 06:35	2	2	4	1	18.8	72	2.0	23	17
25/12/24 06:40	2	2	4	1	18.8	72	1.8	357	22
25/12/24 06:45	2	2	4	2	18.7	73	1.6	349	20
25/12/24 06:50	1	2	4	2	18.8	73	0.9	16	26
25/12/24 06:55	1	2	4	2	18.9	73	1.1	355	37
25/12/24 07:00	1	2	4	2	19.0	72	1.8	29	16
25/12/24 07:05	1	2	4	1	19.1	71	1.1	35	24
25/12/24 07:10	2	2	4	1	19.3	70	1.5	1	28
25/12/24 07:15	2	2	4	1	19.2	71	1.6	19	37
25/12/24 07:20	2	2	4	1	19.4	70	1.7	44	15
25/12/24 07:25	2	2	4	1	19.5	69	1.2	38	30
25/12/24 07:30	2	2	5	1	19.7	68	1.5	47	24
25/12/24 07:35	2	3	5	1	20.1	68	1.9	79	15
25/12/24 07:40	2	2	5	1	20.0	67	2.6	79	8
25/12/24 07:45	2	2	4	1	19.9	68	2.4	83	12
25/12/24 07:50	2	2	4	1	20.1	68	2.0	63	15
25/12/24 07:55	2	2	4	2	20.1	68	1.8	61	24
25/12/24 08:00	2	2	4	2	20.3	68	1.8	74	25
25/12/24 08:05	2	2	4	2	20.3	68	1.6	64	38
25/12/24 08:10	1	2	3	2	20.2	68	2.3	87	21
25/12/24 08:15	1	2	3	1	20.5	68	2.5	94	15
25/12/24 08:20	1	2	3	2	20.6	66	1.2	101	31
25/12/24 08:25	1	2	3	2	20.9	67	1.9	112	16
25/12/24 08:30	1	2	3	2	21.0	65	1.4	118	22
25/12/24 08:35	1	2	3	2	21.4	65	1.7	122	24
25/12/24 08:40	1	2	3	2	21.5	65	2.2	104	15
25/12/24 08:45	1	2	3	2	21.6	63	2.0	113	18
25/12/24 08:50	1	2	3	2	21.5	63	2.5	132	14
25/12/24 08:55	1	2	3	2	21.2	65	2.0	129	26
25/12/24 09:00	1	2	3	2	21.3	65	1.8	113	16
25/12/24 09:05	1	2	3	2	21.2	65	1.9	136	23
25/12/24 09:10	1	2	3	2	21.4	65	1.9	140	22
25/12/24 09:15	1	2	3	2	21.6	64	1.9	143	25
25/12/24 09:20	1	2	3	2	21.6	65	1.7	158	23
25/12/24 09:25	1	2	3	2	21.9	64	1.8	157	21
25/12/24 09:30	1	2	3	2	22.0	64	1.9	153	23
25/12/24 09:35	1	2	3	2	22.1	64	1.9	164	23
25/12/24 09:40	1	2	3	2	22.0	64	1.8	150	20
25/12/24 09:45	1	2	3	2	22.1	64	1.6	154	34
25/12/24 09:50	1	2	3	2	22.1	64	2.0	153	23
25/12/24 09:55	1	2	2	2	22.3	64	1.7	154	27
25/12/24 10:00	1	2	2	2	22.5	63	2.2	155	20
25/12/24 10:05	1	2	2	2	22.5	64	2.1	156	21
25/12/24 10:10	1	2	2	2	22.6	64	2.2	157	22
25/12/24 10:15	0	2	2	1	22.5	64	2.6	159	19
25/12/24 10:20	0	2	2	2	22.3	65	2.1	157	22
25/12/24 10:25	0	2	2	2	22.4	65	2.2	157	22
25/12/24 10:30	0	2	2	2	22.4	65	1.8	148	29
25/12/24 10:35	0	2	2	2	22.4	67	1.7	157	29
25/12/24 10:40	0	2	2	1	22.5	66	1.3	158	34
25/12/24 10:45	0	2	2	1	22.7	65	1.5	152	27
25/12/24 10:50	0	2	2	2	22.7	65	1.9	150	24
25/12/24 10:55	1	2	2	2	22.9	65	1.6	151	22
25/12/24 11:00	0	2	2	2	23.0	65	1.8	146	23
25/12/24 11:05	0	2	2	2	23.1	65	1.4	153	27
25/12/24 11:10	0	2	2	2	23.3	64	1.5	152	29
25/12/24 11:15	0	2	2	1	23.4	65	1.4	151	29
25/12/24 11:20	0	2	2	1	23.3	64	1.4	152	29
25/12/24 11:25	0	2	2	1	23.3	65	1.4	146	33
25/12/24 11:30	0	2	2	1	23.3	65	1.7	143	23
25/12/24 11:35	0	2	2	1	23.2	67	1.1	158	36
25/12/24 11:40	0	2	2	1	23.4	65	1.5	151	26
25/12/24 11:45	0	2	2	1	23.5	66	1.4	152	31
25/12/24 11:50	1	2	2	1	23.6	66	1.4	155	27
25/12/24 11:55	1	2	3	1	23.9	65	1.8	155	20
25/12/24 12:00	1	2	3	2	24.1	64	2.0	155	20

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
25/12/24 12:05	1	3	3	2	24.1	64	1.7	152	25
25/12/24 12:10	1	3	3	2	24.3	64	1.9	164	20
25/12/24 12:15	1	3	3	1	24.3	64	2.6	162	16
25/12/24 12:20	1	3	3	1	24.5	65	2.3	169	18
25/12/24 12:25	1	2	3	1	24.5	66	2.4	160	19
25/12/24 12:30	1	2	3	1	24.7	67	1.9	170	20
25/12/24 12:35	1	2	3	1	25.2	65	2.1	166	17
25/12/24 12:40	1	2	3	1	25.1	65	2.4	168	18
25/12/24 12:45	0	2	3	1	25.4	65	2.2	166	17
25/12/24 12:50	0	2	3	2	25.4	65	2.4	159	20
25/12/24 12:55	0	2	3	2	25.4	65	2.0	159	23
25/12/24 13:00	0	2	3	2	25.5	65	2.2	159	17
25/12/24 13:05	0	2	3	2	25.7	65	2.2	169	21
25/12/24 13:10	0	2	3	2	26.2	62	2.1	167	20
25/12/24 13:15	0	2	3	2	26.4	60	2.4	171	20
25/12/24 13:20	0	2	3	2	26.6	58	2.5	166	18
25/12/24 13:25	0	2	3	2	26.5	59	2.6	162	15
25/12/24 13:30	0	2	3	1	26.3	60	2.6	157	21
25/12/24 13:35	0	2	3	1	26.3	59	2.8	153	18
25/12/24 13:40	0	2	3	1	26.4	58	2.6	157	19
25/12/24 13:45	0	2	2	1	26.5	59	2.0	150	30
25/12/24 13:50	0	2	2	1	26.7	58	1.3	154	42
25/12/24 13:55	0	2	2	1	26.8	57	2.6	160	20
25/12/24 14:00	0	2	2	1	26.8	58	3.3	159	17
25/12/24 14:05	0	2	2	1	26.9	58	2.7	166	17
25/12/24 14:10	0	2	3	1	26.8	58	2.9	162	18
25/12/24 14:15	1	3	3	1	26.8	58	3.1	160	19
25/12/24 14:20	1	3	3	1	26.8	56	2.9	161	23
25/12/24 14:25	1	3	4	1	27.1	56	2.7	154	26
25/12/24 14:30	1	3	4	1	27.1	57	2.0	158	35
25/12/24 14:35	1	3	4	1	27.3	55	2.3	158	26
25/12/24 14:40	1	3	4	1	27.6	53	2.7	161	26
25/12/24 14:45	1	3	4	1	27.6	55	2.3	158	26
25/12/24 14:50	1	3	3	1	27.7	54	1.8	159	38
25/12/24 14:55	1	3	3	1	28.0	49	2.9	153	21
25/12/24 15:00	1	2	3	1	28.4	51	2.5	167	25
25/12/24 15:05	1	2	3	1	28.1	51	3.3	164	18
25/12/24 15:10	1	2	3	1	28.2	51	3.1	167	17
25/12/24 15:15	1	2	3	1	28.3	49	2.8	165	20
25/12/24 15:20	1	3	4	1	28.3	48	2.6	152	25
25/12/24 15:25	1	3	4	1	28.4	46	2.6	150	27
25/12/24 15:30	1	3	4	1	28.8	48	2.8	160	21
25/12/24 15:35	1	3	4	1	28.6	48	2.8	157	25
25/12/24 15:40	1	3	4	1	28.5	49	3.1	160	21
25/12/24 15:45	1	2	3	1	28.2	51	3.3	160	16
25/12/24 15:50	1	2	3	1	28.3	48	3.5	166	15
25/12/24 15:55	1	2	3	1	28.7	45	3.1	167	17
25/12/24 16:00	1	2	3	1	28.8	44	3.0	155	21
25/12/24 16:05	1	2	3	1	29.0	43	2.9	155	26
25/12/24 16:10	1	2	3	1	28.9	44	3.4	162	16
25/12/24 16:15	1	2	3	1	29.3	40	3.0	160	23
25/12/24 16:20	1	2	3	1	29.5	38	3.0	149	23
25/12/24 16:25	1	3	4	2	29.7	40	2.6	151	25
25/12/24 16:30	1	3	3	2	30.2	40	2.5	154	25
25/12/24 16:35	1	2	3	1	30.1	42	2.8	147	24
25/12/24 16:40	0	2	3	1	30.7	33	3.7	105	16
25/12/24 16:45	1	3	4	1	31.4	38	2.4	143	21
25/12/24 16:50	1	4	5	1	31.1	33	3.6	112	16
25/12/24 16:55	1	3	5	1	31.9	33	2.9	112	19
25/12/24 17:00	1	3	4	1	32.0	32	4.2	102	8
25/12/24 17:05	1	3	4	2	32.4	31	4.3	104	8
25/12/24 17:10	1	5	6	1	31.7	36	4.8	102	8
25/12/24 17:15	1	5	6	1	32.2	30	6.0	100	7
25/12/24 17:20	1	5	6	1	32.0	35	4.9	105	8
25/12/24 17:25	1	5	6	1	31.3	36	4.8	103	13
25/12/24 17:30	1	4	5	2	31.6	32	6.1	102	7
25/12/24 17:35	1	3	4	2	32.3	31	5.1	96	8
25/12/24 17:40	1	3	4	2	32.5	30	5.8	98	7
25/12/24 17:45	1	4	4	2	31.9	36	5.0	102	6
25/12/24 17:50	1	4	5	2	32.0	32	4.9	98	7
25/12/24 17:55	1	4	4	2	32.5	31	5.5	102	7
25/12/24 18:00	1	3	4	2	32.6	30	5.1	98	6
25/12/24 18:05	1	3	4	1	32.5	31	5.6	98	6
25/12/24 18:10	1	3	4	1	32.4	30	5.8	97	6
25/12/24 18:15	0	3	3	1	32.6	29	4.6	92	8
25/12/24 18:20	0	3	3	1	32.5	32	4.0	92	8
25/12/24 18:25	0	3	3	2	32.4	32	4.2	91	12
25/12/24 18:30	1	3	4	1	31.7	37	5.2	102	4
25/12/24 18:35	1	3	4	1	31.1	36	5.1	95	7
25/12/24 18:40	0	3	4	1	31.9	30	5.5	91	7
25/12/24 18:45	1	3	4	1	32.2	30	4.7	89	7
25/12/24 18:50	0	4	4	1	32.2	30	4.4	89	8
25/12/24 18:55	0	4	4	2	32.2	29	4.4	88	7
25/12/24 19:00	0	4	4	1	32.0	31	4.1	92	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
25/12/24 19:05	0	4	4	1	31.8	30	4.2	86	9
25/12/24 19:10	0	4	4	1	31.7	30	4.4	90	7
25/12/24 19:15	0	4	4	1	31.5	33	4.3	91	7
25/12/24 19:20	0	5	5	1	31.4	31	4.7	87	6
25/12/24 19:25	0	5	5	1	31.4	31	4.4	84	8
25/12/24 19:30	0	5	5	1	31.2	32	4.5	84	9
25/12/24 19:35	0	5	5	1	31.0	32	4.4	85	10
25/12/24 19:40	0	5	5	1	30.8	34	3.6	87	7
25/12/24 19:45	0	5	6	1	30.6	34	3.1	82	10
25/12/24 19:50	0	6	6	1	30.5	34	2.7	75	13
25/12/24 19:55	0	6	6	1	30.3	34	3.5	71	12
25/12/24 20:00	0	6	6	2	30.3	34	3.8	76	8
25/12/24 20:05	0	6	6	2	30.3	35	3.6	79	8
25/12/24 20:10	0	5	6	2	30.1	35	3.3	74	8
25/12/24 20:15	0	5	5	1	30.1	35	4.1	71	11
25/12/24 20:20	0	5	5	1	30.1	36	3.7	74	10
25/12/24 20:25	0	5	5	1	30.0	35	3.4	75	11
25/12/24 20:30	0	6	5	2	29.9	35	3.2	72	11
25/12/24 20:35	0	6	6	1	29.9	36	3.4	71	10
25/12/24 20:40	0	6	6	1	29.8	36	4.0	71	11
25/12/24 20:45	0	6	6	2	29.7	36	3.6	72	9
25/12/24 20:50	0	6	6	2	29.7	36	3.0	72	9
25/12/24 20:55	0	7	7	2	29.6	37	3.5	74	11
25/12/24 21:00	0	7	7	2	29.6	36	3.8	73	12
25/12/24 21:05	0	7	7	2	29.5	36	3.0	71	13
25/12/24 21:10	0	7	7	1	29.5	36	2.7	52	16
25/12/24 21:15	0	8	8	1	29.6	35	2.8	53	12
25/12/24 21:20	0	8	8	1	29.8	34	2.8	57	13
25/12/24 21:25	0	8	8	1	29.7	34	2.7	54	13
25/12/24 21:30	1	9	10	2	29.8	34	2.2	52	12
25/12/24 21:35	1	10	10	2	29.7	34	2.3	48	12
25/12/24 21:40	1	10	11	2	29.5	34	2.2	57	12
25/12/24 21:45	1	10	11	2	29.4	34	2.1	52	17
25/12/24 21:50	1	10	11	2	29.4	34	1.8	42	15
25/12/24 21:55	1	10	11	2	29.1	34	1.4	36	13
25/12/24 22:00	1	12	13	2	29.2	34	1.5	28	17
25/12/24 22:05	1	12	13	2	29.2	34	2.1	33	19
25/12/24 22:10	1	13	14	2	29.4	33	1.6	19	25
25/12/24 22:15	2	12	14	2	29.5	33	1.4	26	24
25/12/24 22:20	2	10	12	2	29.5	33	2.2	12	19
25/12/24 22:25	1	10	11	2	29.6	32	1.9	15	20
25/12/24 22:30	1	9	10	2	29.6	32	2.2	6	26
25/12/24 22:35	1	8	9	2	29.6	32	1.9	5	24
25/12/24 22:40	1	8	9	2	29.6	32	2.0	10	27
25/12/24 22:45	1	8	9	2	29.5	32	2.3	360	20
25/12/24 22:50	1	8	9	2	29.4	32	2.3	2	15
25/12/24 22:55	1	8	9	2	29.2	33	2.1	11	19
25/12/24 23:00	1	8	9	2	29.1	33	2.3	9	21
25/12/24 23:05	1	8	9	2	29.1	33	2.3	8	17
25/12/24 23:10	1	7	8	2	29.0	33	1.8	13	17
25/12/24 23:15	1	7	8	2	28.9	34	1.8	21	22
25/12/24 23:20	1	8	8	2	28.8	34	1.7	17	24
25/12/24 23:25	1	8	8	2	28.7	34	1.6	19	24
25/12/24 23:30	1	7	8	2	28.6	34	1.9	7	21
25/12/24 23:35	1	8	9	2	28.5	34	2.3	16	17
25/12/24 23:40	1	8	8	2	28.5	34	2.3	21	17
25/12/24 23:45	1	8	9	2	28.4	34	2.3	19	11
25/12/24 23:50	1	8	8		28.3	34	1.8	17	17
25/12/24 23:55	1	8	8		28.3	34	2.0	12	19
26/12/24 00:00	1	8	8	2	28.3	34	2.2	8	18
26/12/24 00:05	1	7	8	2	28.3	34	2.3	6	24
26/12/24 00:10	1	6	7	2	28.3	34	2.2	2	23
26/12/24 00:15	0	6	6	1	28.2	34	2.2	10	21
26/12/24 00:20	0	6	6	1	28.1	34	2.6	5	17
26/12/24 00:25	0	5	6	1	28.0	34	2.6	360	19
26/12/24 00:30	0	5	6	1	28.0	34	2.5	4	14
26/12/24 00:35	0	5	6	1	28.0	34	2.7	1	19
26/12/24 00:40	0	5	5	1	28.0	34	3.3	357	23
26/12/24 00:45	0	5	5	1	28.0	34	3.7	357	15
26/12/24 00:50	0	5	5	1	28.1	34	3.0	357	20
26/12/24 00:55	0	4	5	1	28.0	34	3.2	358	19
26/12/24 01:00	0	4	5	1	28.0	34	2.6	359	25
26/12/24 01:05					27.9	34	3.1	354	23
26/12/24 01:10					27.9	34	3.5	352	18
26/12/24 01:15					27.8	34	3.2	357	20
26/12/24 01:20					27.8	34	3.2	355	20
26/12/24 01:25					27.7	34	3.8	3	16
26/12/24 01:30					27.6	34	3.0	360	21
26/12/24 01:35					27.4	35	2.8	350	26
26/12/24 01:40					27.3	35	3.3	354	18
26/12/24 01:45					27.3	35	3.2	356	20
26/12/24 01:50					27.2	35	3.1	355	19
26/12/24 01:55					27.2	35	2.9	1	23
26/12/24 02:00					27.0	35	2.9	0	19

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
26/12/24 02:05	0	4	4	1	27.0	35	2.9	1	18
26/12/24 02:10	0	4	4	1	27.0	35	3.1	1	19
26/12/24 02:15	0	4	4	1	27.0	35	3.1	2	23
26/12/24 02:20	0	3	4	1	27.1	35	3.5	2	19
26/12/24 02:25	0	3	3	1	27.1	35	3.5	1	17
26/12/24 02:30	0	3	3	1	27.0	35	2.2	360	24
26/12/24 02:35	0	3	3	1	26.7	35	2.5	10	23
26/12/24 02:40	0	3	4	1	26.8	35	2.9	5	20
26/12/24 02:45	0	3	4	1	26.8	35	2.9	12	23
26/12/24 02:50	0	3	4	1	26.8	35	2.9	16	23
26/12/24 02:55	0	3	3	1	26.8	35	3.2	12	20
26/12/24 03:00	0	3	3	1	26.8	35	3.4	359	19
26/12/24 03:05	0	3	3	1	26.7	35	2.8	1	18
26/12/24 03:10	0	3	3	1	26.8	35	2.8	9	24
26/12/24 03:15	0	3	3	1	26.9	35	2.4	14	20
26/12/24 03:20	0	3	3	1	26.9	35	3.1	16	20
26/12/24 03:25	0	3	3	1	27.1	34	3.1	19	18
26/12/24 03:30	0	3	3	1	27.0	34	2.7	16	16
26/12/24 03:35	0	3	3	1	27.0	35	2.7	14	23
26/12/24 03:40	0	3	3	1	26.9	34	2.5	14	25
26/12/24 03:45	0	3	3	1	27.1	34	2.9	4	23
26/12/24 03:50	0	3	3	1	27.1	33	2.4	5	25
26/12/24 03:55	0	3	3	1	27.2	33	3.1	353	24
26/12/24 04:00	0	3	3	1	27.1	34	2.1	350	28
26/12/24 04:05	0	3	3	1	27.0	34	3.2	359	19
26/12/24 04:10	0	3	3	1	26.9	34	1.6	348	33
26/12/24 04:15	0	3	3	1	26.7	35	1.7	345	29
26/12/24 04:20	0	4	4	1	26.6	35	1.6	353	28
26/12/24 04:25	0	4	4	1	26.4	36	1.2	343	39
26/12/24 04:30	0	4	4	1	26.3	36	2.0	352	23
26/12/24 04:35	0	4	4	1	26.5	35	2.4	358	21
26/12/24 04:40	0	4	4	1	26.6	35	1.7	352	27
26/12/24 04:45	0	4	5	1	26.4	35	1.6	354	28
26/12/24 04:50	0	4	5	1	26.3	35	2.0	357	22
26/12/24 04:55	0	4	5	1	26.3	35	1.9	4	25
26/12/24 05:00	0	4	5	1	26.3	35	1.9	356	26
26/12/24 05:05	0	5	5	1	26.2	36	1.9	7	22
26/12/24 05:10	0	5	5	1	26.2	36	2.2	2	25
26/12/24 05:15	0	5	5	1	26.2	36	2.3	2	19
26/12/24 05:20	0	5	5	1	26.2	35	2.3	356	23
26/12/24 05:25	0	5	5	1	26.3	36	2.1	5	25
26/12/24 05:30	0	5	5	1	26.3	36	1.9	357	27
26/12/24 05:35	0	5	5	1	26.3	35	1.9	355	26
26/12/24 05:40	0	5	6	1	26.3	35	2.0	356	21
26/12/24 05:45	0	5	6	1	26.5	35	2.0	347	24
26/12/24 05:50	0	5	6	1	26.4	35	2.1	349	25
26/12/24 05:55	0	5	6	1	26.4	35	2.1	356	21
26/12/24 06:00	1	6	6	1	26.4	36	1.8	1	21
26/12/24 06:05	1	6	6	1	26.5	36	1.6	354	29
26/12/24 06:10	1	6	7	1	26.9	35	1.6	349	25
26/12/24 06:15	1	6	7	1	27.0	35	0.9	336	42
26/12/24 06:20	1	6	7	1	27.1	35	1.9	331	33
26/12/24 06:25	1	6	7	1	27.1	35	2.2	354	22
26/12/24 06:30	1	6	8	1	27.3	34	1.9	2	27
26/12/24 06:35	1	7	8	1	27.5	34	1.7	2	24
26/12/24 06:40	1	7	8	1	27.6	34	1.6	346	33
26/12/24 06:45	1	6	8	1	27.7	34	1.6	345	28
26/12/24 06:50	1	7	8	1	27.9	34	1.7	357	29
26/12/24 06:55	2	8	10	1	28.5	33	1.6	7	29
26/12/24 07:00	3	12	15	1	28.9	32	1.7	0	26
26/12/24 07:05	4	13	17	1	29.3	31	1.8	358	29
26/12/24 07:10	5	12	17	1	29.7	30	2.3	357	27
26/12/24 07:15	4	7	11	1	29.9	29	2.8	355	23
26/12/24 07:20	3	4	8	1	30.0	29	3.4	357	22
26/12/24 07:25	2	5	6	1	30.0	29	3.2	353	30
26/12/24 07:30	1	5	6	1	30.2	29	3.0	355	27
26/12/24 07:35	2	5	7	1	30.3	28	2.7	353	26
26/12/24 07:40	2	6	8	1	30.5	28	3.3	1	31
26/12/24 07:45	2	5	7	1	30.7	28	3.5	352	24
26/12/24 07:50	2	5	7	1	30.7	28	3.0	0	26
26/12/24 07:55	2	5	8	1	30.9	28	3.0	354	28
26/12/24 08:00	2	5	8	1	31.1	28	2.3	341	39
26/12/24 08:05	2	5	7	1	31.3	27	2.9	349	30
26/12/24 08:10	2	5	7	1	31.5	26	3.2	355	26
26/12/24 08:15	2	6	8	1	31.8	26	2.8	0	29
26/12/24 08:20	2	3	5	1	31.7	26	3.8	349	27
26/12/24 08:25	1	3	4	1	31.7	25	4.2	350	28
26/12/24 08:30	2	6	8	1	31.8	25	5.0	353	28
26/12/24 08:35	2	4	5	1	31.8	25	4.6	358	24
26/12/24 08:40	1	4	5	1	31.7	25	5.3	5	25
26/12/24 08:45	1	3	4	1	31.9	25	4.0	356	27
26/12/24 08:50	1	4	5	1	32.1	24	5.0	3	23
26/12/24 08:55	1	4	4	1	32.2	24	3.9	356	22
26/12/24 09:00	1	4	5	1	32.4	24	3.6	359	25

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
26/12/24 09:05	1	4	5	1	32.4	24	4.5	356	24
26/12/24 09:10	1	4	5	1	32.4	24	4.4	358	20
26/12/24 09:15	1	4	5	1	32.4	24	4.1	349	32
26/12/24 09:20	1	5	6	1	32.3	24	2.5	336	40
26/12/24 09:25	1	6	8	1	32.3	24	3.7	346	25
26/12/24 09:30	1	6	7	1	32.5	24	4.3	353	28
26/12/24 09:35	1	5	6	1	32.6	23	4.5	1	20
26/12/24 09:40	2	5	7	1	32.5	24	3.0	352	32
26/12/24 09:45	1	5	7	1	32.2	24	4.3	352	27
26/12/24 09:50	1	5	6	1	32.2	24	4.0	344	27
26/12/24 09:55	1	5	6	1	32.2	24	4.1	347	28
26/12/24 10:00	1	5	6	1	32.1	25	3.6	341	31
26/12/24 10:05	1	6	7	1	32.1	25	2.8	341	35
26/12/24 10:10	1	6	7	1	32.2	25	3.6	357	32
26/12/24 10:15	1	6	7	1	32.4	24	4.4	359	24
26/12/24 10:20	1	6	7	1	32.5	24	3.9	358	27
26/12/24 10:25	1	5	6	1	32.5	24	3.3	348	33
26/12/24 10:30	1	5	6	1	32.6	24	4.6	351	28
26/12/24 10:35	1	5	6	1	32.6	24	4.8	356	21
26/12/24 10:40	1	5	6	1	32.9	24	3.8	1	29
26/12/24 10:45	1	5	6	1	33.1	23	3.5	359	28
26/12/24 10:50	1	5	6	1	33.4	23	3.8	344	36
26/12/24 10:55	1	5	6	1	33.4	23	4.7	353	31
26/12/24 11:00	1	5	6	1	33.6	23	5.2	354	23
26/12/24 11:05	1	5	6	1	33.6	23	4.8	346	21
26/12/24 11:10	1	5	6	1	33.7	23	4.8	353	29
26/12/24 11:15	1	5	6	1	33.5	23	4.5	344	25
26/12/24 11:20	1	5	6	1	33.6	23	4.4	353	22
26/12/24 11:25	1	5	6	1	33.7	23	3.8	3	27
26/12/24 11:30	2	5	6	1	34.1	22	4.8	360	20
26/12/24 11:35	1	5	6	1	34.3	22	4.6	10	27
26/12/24 11:40	1	4	6	1	34.5	21	4.1	11	23
26/12/24 11:45	1	4	5	1	34.6	21	4.2	11	20
26/12/24 11:50	1	4	5	1	34.6	21	4.8	18	21
26/12/24 11:55	1	4	5	1	34.5	21	4.2	10	25
26/12/24 12:00	1	4	5	1	34.6	21	5.3	15	20
26/12/24 12:05	1	4	5	1	34.7	21	4.3	13	19
26/12/24 12:10	2	8	10	1	34.7	21	4.4	8	27
26/12/24 12:15	2	4	6	1	34.7	21	3.9	18	18
26/12/24 12:20	2	4	6	1	34.8	20	3.9	354	21
26/12/24 12:25	2	5	7	1	35.0	20	3.6	351	26
26/12/24 12:30	2	5	7	1	35.1	20	1.9	343	40
26/12/24 12:35	1	6	8	1	35.2	20	2.2	349	32
26/12/24 12:40	2	6	8	1	35.6	19	3.1	353	25
26/12/24 12:45	2	5	7	1	35.7	19	1.2	338	36
26/12/24 12:50	2	6	7	1	36.1	18	2.2	340	45
26/12/24 12:55	2	6	8	1	36.4	17	4.3	287	19
26/12/24 13:00	1	4	5	1	36.3	16	3.7	290	21
26/12/24 13:05	1	2	3	1	36.4	16	2.1	296	35
26/12/24 13:10	1	3	3	1	36.8	14	3.6	307	27
26/12/24 13:15	1	3	4	1	36.8	14	3.7	307	26
26/12/24 13:20	1	3	4	1	36.9	14	4.6	299	16
26/12/24 13:25	1	4	5	1	37.1	14	4.5	298	20
26/12/24 13:30	1	5	6	1	37.1	14	3.8	309	28
26/12/24 13:35	1	5	6	1	37.3	14	3.6	322	28
26/12/24 13:40	1	4	5	1	37.3	13	4.2	305	24
26/12/24 13:45	1	4	5	1	37.2	13	4.8	301	12
26/12/24 13:50	1	5	6	1	37.1	14	4.7	295	21
26/12/24 13:55	1	5	6	1	37.1	14	4.6	292	15
26/12/24 14:00	1	5	6	1	37.2	14	3.2	297	23
26/12/24 14:05	1	6	7	1	37.3	13	4.3	306	27
26/12/24 14:10	1	5	6	1	37.3	14	4.3	296	21
26/12/24 14:15	1	5	6	1	37.1	13	5.5	296	13
26/12/24 14:20	1	5	7	1	37.2	13	4.3	301	24
26/12/24 14:25	1	6	7	1	37.2	14	4.2	289	16
26/12/24 14:30	1	6	7	1	37.2	14	3.5	294	19
26/12/24 14:35	1	6	7	1	37.4	13	4.9	299	18
26/12/24 14:40	1	6	7	1	37.3	14	4.3	294	14
26/12/24 14:45	1	6	8	1	37.4	13	6.1	297	14
26/12/24 14:50	1	7	8	2	37.5	13	4.0	304	21
26/12/24 14:55	1	6	7	1	37.4	13	5.1	300	17
26/12/24 15:00	1	6	7	1	37.4	13	5.1	287	15
26/12/24 15:05	1	5	6	1	37.0	14	4.0	280	16
26/12/24 15:10	1	4	5	1	37.2	14	5.7	292	20
26/12/24 15:15	1	4	4	1	37.3	13	5.0	295	18
26/12/24 15:20	0	4	4	1	37.3	13	6.8	294	16
26/12/24 15:25	0	3	4	1	37.1	14	5.3	278	16
26/12/24 15:30	0	3	4	1	36.2	15	5.8	277	14
26/12/24 15:35	0	3	4	1	36.1	15	7.0	280	13
26/12/24 15:40	1	3	4	1	35.4	18	8.1	270	10
26/12/24 15:45	1	5	5	1	35.0	19	5.3	276	14
26/12/24 15:50	1	6	6	2	35.0	19	6.4	273	12
26/12/24 15:55	1	6	6	2	34.5	20	8.4	265	10
26/12/24 16:00	1	5	6	1	34.2	20	10.2	262	10

Station Pier Ambient Air Quality Monitoring
December 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 (°)
26/12/24 16:05	1	5	6	1	34.2	20	7.6	271	14
26/12/24 16:10	1	5	6	2	34.7	18	6.9	275	12
26/12/24 16:15	1	6	7	1	34.9	18	6.4	276	13
26/12/24 16:20	1	6	6	1	34.7	19	6.7	269	10
26/12/24 16:25	1	5	6	2	34.3	20	6.4	270	12
26/12/24 16:30	1	6	6	1	34.0	20	6.0	272	13
26/12/24 16:35	1	7	7	2	34.3	19	4.7	276	15
26/12/24 16:40	1	8	8	2	34.5	18	5.8	279	13
26/12/24 16:45	1	7	8	2	35.0	17	5.5	276	12
26/12/24 16:50	1	6	7	1	34.9	17	5.6	276	15
26/12/24 16:55	0	5	6	1	35.1	16	6.0	276	13
26/12/24 17:00	0	4	5	1	35.1	16	5.2	277	13
26/12/24 17:05	0	4	4	1	35.1	16	5.0	276	15
26/12/24 17:10	0	3	3	1	35.1	16	4.6	276	16
26/12/24 17:15	0	3	3	1	35.0	16	5.4	278	15
26/12/24 17:20	0	3	3	1	35.2	16	7.3	278	12
26/12/24 17:25	0	3	3	1	35.0	16	6.2	278	12
26/12/24 17:30	0	3	3	1	35.0	16	7.2	275	12
26/12/24 17:35	0	3	3	1	34.8	17	6.9	280	11
26/12/24 17:40	0	3	3	1	34.7	17	6.5	275	12
26/12/24 17:45	0	3	3	1	34.6	17	6.4	277	12
26/12/24 17:50	0	3	3	1	34.6	17	5.9	280	13
26/12/24 17:55	0	3	3	1	34.7	16	4.4	277	16
26/12/24 18:00	0	3	3	1	34.8	16	3.8	282	18
26/12/24 18:05	0	3	3	1	34.6	16	4.0	277	15
26/12/24 18:10	0	3	3	1	34.6	16	4.5	279	13
26/12/24 18:15	0	3	3	1	34.2	17	3.9	278	15
26/12/24 18:20	0	3	4	1	33.9	18	7.0	260	15
26/12/24 18:25	1	4	5	1	33.1	21	11.0	261	10
26/12/24 18:30	0	4	4	1	32.5	22	9.8	258	6
26/12/24 18:35	0	4	5	1	32.4	22	6.0	270	12
26/12/24 18:40	0	5	5	1	32.6	21	3.5	277	14
26/12/24 18:45	0	5	5	1	32.6	21	3.4	276	15
26/12/24 18:50	0	4	5	1	32.7	21	2.9	276	15
26/12/24 18:55	0	4	4	1	32.5	22	3.4	271	10
26/12/24 19:00	0	4	4	1	32.0	23	2.9	275	12
26/12/24 19:05	0	5	5	1	32.1	22	2.4	279	15
26/12/24 19:10	0	5	6	1	32.4	21	2.6	277	14
26/12/24 19:15	0	6	6	1	32.6	21	2.4	285	17
26/12/24 19:20	0	6	6	1	32.7	20	2.1	282	15
26/12/24 19:25	0	6	6	1	32.5	20	1.9	287	11
26/12/24 19:30	0	6	6	1	32.8	19	2.5	294	16
26/12/24 19:35	0	5	6	1	33.1	18	2.6	294	14
26/12/24 19:40	0	5	6	1	33.1	19	1.8	285	16
26/12/24 19:45	0	5	5	1	32.8	19	1.3	285	15
26/12/24 19:50	0	5	6	1	32.7	19	1.7	286	17
26/12/24 19:55	0	5	6	1	32.6	20	1.6	284	15
26/12/24 20:00	0	5	6	1	32.3	21	1.8	275	15
26/12/24 20:05	0	5	6	1	31.9	24	2.4	266	8
26/12/24 20:10	0	6	6	1	30.5	28	2.8	261	4
26/12/24 20:15	0	8	8	1	30.1	32	3.2	257	3
26/12/24 20:20	2	30	31	1	29.5	33	4.5	256	3
26/12/24 20:25	5	27	32	2	30.0	30	5.7	244	9
26/12/24 20:30	6	10	16	2	26.7	52	14.7	221	5
26/12/24 20:35	1	5	6	2	22.8	75	12.1	206	10
26/12/24 20:40	4	2	6	1	21.4	82	12.3	206	6
26/12/24 20:45	1	1	1	1	21.1	84	11.5	204	5
26/12/24 20:50	10	10	20	1	21.0	83	8.7	198	8
26/12/24 20:55	68	16	84	1	21.2	83	5.6	195	12
26/12/24 21:00	46	12	59	2	21.3	83	5.0	192	10
26/12/24 21:05	64	18	81	2	21.5	83	4.9	188	13
26/12/24 21:10	26	11	37	2	21.6	82	5.1	181	10
26/12/24 21:15	18	7	25	2	21.5	82	4.3	182	10
26/12/24 21:20	15	4	19	1	21.5	81	4.2	184	10
26/12/24 21:25	24	9	33	1	21.6	82	4.4	189	10
26/12/24 21:30	5	4	9	1	21.5	84	6.2	206	10
26/12/24 21:35	0	1	1	1	21.6	77	9.6	224	6
26/12/24 21:40	0	1	2	1	21.8	75	11.2	224	6
26/12/24 21:45	0	1	2	1	21.5	76	9.9	220	4
26/12/24 21:50	0	1	1	1	21.4	73	9.4	223	5
26/12/24 21:55	0	1	1	1	21.4	71	8.6	227	9
26/12/24 22:00	16	5	20	1	21.3	71	7.7	214	7
26/12/24 22:05	0	1	2	1	21.2	72	7.6	219	6
26/12/24 22:10	0	1	1	1	21.2	71	6.0	232	9
26/12/24 22:15	0	2	2	1	21.3	71	7.0	216	10
26/12/24 22:20	0	2	2	1	21.1	71	6.9	219	6
26/12/24 22:25	0	2	2	1	21.1	71	4.9	213	8
26/12/24 22:30	0	1	2	1	21.0	71	4.8	217	7
26/12/24 22:35	0	1	1	1	21.1	71	5.0	226	5
26/12/24 22:40	0	1	1	1	21.2	72	3.5	215	6
26/12/24 22:45	0	1	1	1	21.2	71	4.0	204	7
26/12/24 22:50	0	1	1	1	21.1	73	4.8	198	4
26/12/24 22:55	0	1	1	1	21.1	71	3.2	202	8
26/12/24 23:00	0	1	1	1	21.1	71	3.3	202	10

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
26/12/24 23:05	0	1	1	1	21.2	70	3.9	196	6
26/12/24 23:10	0	1	1	1	21.3	69	5.1	210	13
26/12/24 23:15	0	1	1	1	21.3	67	5.0	222	8
26/12/24 23:20	0	1	1	1	21.4	65	5.0	240	10
26/12/24 23:25	0	4	5	1	21.6	63	4.9	246	9
26/12/24 23:30	1	7	7	1	21.6	60	5.4	249	16
26/12/24 23:35	1	6	7	1	21.6	59	6.6	267	10
26/12/24 23:40	1	5	6	1	21.6	60	7.1	250	8
26/12/24 23:45	1	6	8	1	21.4	61	7.1	228	10
26/12/24 23:50	1	3	5		21.3	61	8.3	240	7
26/12/24 23:55	1	3	3		21.3	61	8.1	256	8
27/12/24 00:00	1	4	4	1	21.2	60	7.4	242	7
27/12/24 00:05	1	3	4	1	21.0	62	5.8	224	9
27/12/24 00:10	0	2	2	2	20.9	63	5.9	235	6
27/12/24 00:15	0	2	2	2	20.9	64	6.6	230	5
27/12/24 00:20	0	1	2	2	20.9	65	5.0	238	7
27/12/24 00:25	0	2	2	2	20.7	64	5.2	244	9
27/12/24 00:30	1	4	5	2	20.7	61	6.6	251	11
27/12/24 00:35	1	5	6	2	20.8	59	6.7	259	7
27/12/24 00:40	1	5	6	2	20.8	59	6.4	245	13
27/12/24 00:45	1	5	6	2	20.7	59	6.9	237	6
27/12/24 00:50	1	4	5	2	20.5	59	7.5	245	10
27/12/24 00:55	1	5	6	2	20.6	60	6.5	249	9
27/12/24 01:00	1	5	6	2	20.5	59	6.2	261	11
27/12/24 01:05					20.4	59	7.8	245	10
27/12/24 01:10					20.4	58	6.3	252	7
27/12/24 01:15					20.3	57	6.2	246	10
27/12/24 01:20					20.3	57	6.7	254	7
27/12/24 01:25					20.2	55	7.7	254	8
27/12/24 01:30					20.3	51	9.5	256	12
27/12/24 01:35					20.2	51	9.4	259	11
27/12/24 01:40					20.1	51	8.8	265	8
27/12/24 01:45					19.8	52	7.1	270	10
27/12/24 01:50					19.7	53	6.5	265	10
27/12/24 01:55					19.5	53	6.4	267	13
27/12/24 02:00					19.5	53	6.2	268	11
27/12/24 02:05	1	4	4	2	19.5	53	6.9	259	8
27/12/24 02:10	0	4	4	2	19.4	54	5.4	264	9
27/12/24 02:15	0	4	4	2	19.4	55	4.7	266	10
27/12/24 02:20	0	4	4	2	19.3	53	5.7	267	10
27/12/24 02:25	0	3	4	2	19.4	53	5.7	265	14
27/12/24 02:30	0	4	4	2	19.4	53	6.7	256	8
27/12/24 02:35	0	5	5	2	19.4	53	8.5	260	7
27/12/24 02:40	0	5	5	2	19.4	55	6.2	259	7
27/12/24 02:45	0	6	6	1	19.4	54	6.3	257	8
27/12/24 02:50	0	6	6	2	19.4	54	6.4	259	10
27/12/24 02:55	0	6	6	2	19.3	54	7.1	258	8
27/12/24 03:00	1	6	6	2	19.4	55	6.9	257	10
27/12/24 03:05	1	5	6	2	19.3	53	7.4	256	13
27/12/24 03:10	1	5	5	2	19.2	55	8.7	252	5
27/12/24 03:15	1	5	5	2	19.1	54	8.2	253	6
27/12/24 03:20	1	4	5	2	19.1	54	7.0	260	10
27/12/24 03:25	1	4	5	2	19.1	56	6.4	263	11
27/12/24 03:30	1	5	6	2	19.0	56	7.1	253	9
27/12/24 03:35	1	5	6	2	19.0	56	7.0	255	8
27/12/24 03:40	1	5	6	2	18.9	55	6.3	247	9
27/12/24 03:45	1	5	6	2	18.8	55	6.6	252	8
27/12/24 03:50	1	5	5	2	18.7	55	6.8	247	8
27/12/24 03:55	0	4	5	2	18.7	56	6.4	249	8
27/12/24 04:00	0	4	5	2	18.6	56	4.9	265	10
27/12/24 04:05	0	4	5	2	18.6	56	6.0	255	8
27/12/24 04:10	0	4	5	2	18.5	57	4.9	266	17
27/12/24 04:15	0	4	4	2	18.4	56	7.8	257	8
27/12/24 04:20	0	4	4	2	18.4	57	4.8	266	11
27/12/24 04:25	0	4	5	2	18.2	56	3.9	274	15
27/12/24 04:30	0	4	5	2	18.2	56	6.0	262	9
27/12/24 04:35	0	5	5	2	18.2	56	4.4	266	12
27/12/24 04:40	0	5	6	2	18.1	57	3.2	272	10
27/12/24 04:45	0	5	5	2	18.1	56	4.1	266	9
27/12/24 04:50	0	6	6	2	18.0	56	3.7	275	13
27/12/24 04:55	0	7	7	2	18.0	57	2.7	272	17
27/12/24 05:00	1	8	8	2	18.0	55	3.5	281	15
27/12/24 05:05	0	8	9	2	17.9	56	2.9	276	15
27/12/24 05:10	1	9	10	2	17.9	55	3.5	274	14
27/12/24 05:15	1	9	10	2	17.8	55	3.2	284	15
27/12/24 05:20	1	8	9	2	17.8	55	3.2	273	12
27/12/24 05:25	1	8	9	2	17.9	55	3.7	272	14
27/12/24 05:30	1	7	8	2	17.8	56	3.5	272	13
27/12/24 05:35	1	7	7	2	17.9	57	3.9	277	14
27/12/24 05:40	1	7	8	2	17.8	58	4.6	265	11
27/12/24 05:45	1	8	10	2	17.8	57	4.3	273	15
27/12/24 05:50	3	12	15	2	17.8	56	4.3	274	13
27/12/24 05:55	3	10	13	2	17.8	58	4.4	271	12
27/12/24 06:00	3	10	13	2	17.8	55	2.8	277	17

Station Pier Ambient Air Quality Monitoring
December 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 (°)
27/12/24 06:05	3	11	14	2	17.7	56	3.6	279	15
27/12/24 06:10	3	11	15	2	17.7	56	2.5	280	13
27/12/24 06:15	3	12	15	2	17.7	56	3.0	277	21
27/12/24 06:20	3	10	13	2	17.6	59	6.2	269	13
27/12/24 06:25	3	6	9	2	17.6	61	7.8	259	7
27/12/24 06:30	3	5	8	2	17.8	60	7.5	256	13
27/12/24 06:35	3	4	6	2	17.8	60	5.7	268	13
27/12/24 06:40	2	4	6	2	17.7	62	7.2	258	7
27/12/24 06:45	2	6	8	2	17.6	62	7.6	256	6
27/12/24 06:50	2	4	6	2	17.5	62	7.1	252	8
27/12/24 06:55	2	5	7	2	17.6	62	5.5	245	9
27/12/24 07:00	2	6	8	2	17.6	62	5.1	250	12
27/12/24 07:05	2	7	8	2	17.7	63	6.0	258	9
27/12/24 07:10	2	6	8	2	17.7	62	6.1	246	9
27/12/24 07:15	1	5	6	2	17.7	63	6.4	256	10
27/12/24 07:20	2	6	7	2	17.7	62	4.4	252	11
27/12/24 07:25	2	7	9	2	17.7	62	5.9	255	9
27/12/24 07:30	3	13	16	2	17.7	64	7.7	247	10
27/12/24 07:35	5	9	14	2	17.8	64	7.0	252	8
27/12/24 07:40	5	3	8	2	17.8	63	6.5	250	8
27/12/24 07:45	4	3	7	2	17.8	63	6.8	250	11
27/12/24 07:50	2	2	4	2	17.8	64	6.9	251	8
27/12/24 07:55	2	5	7	2	17.7	64	5.6	236	10
27/12/24 08:00	3	5	8	2	17.8	64	6.1	239	10
27/12/24 08:05	3	5	8	2	17.8	63	5.8	240	14
27/12/24 08:10	3	4	7	2	17.9	65	5.1	233	9
27/12/24 08:15	3	7	10	2	18.1	63	6.0	244	8
27/12/24 08:20	4	8	11	2	18.2	64	7.0	241	9
27/12/24 08:25	3	5	9	2	18.2	63	7.8	249	9
27/12/24 08:30	3	3	6	2	18.3	63	7.5	243	8
27/12/24 08:35	3	4	7	2	18.4	63	8.3	235	9
27/12/24 08:40	3	3	6	2	18.3	64	8.8	239	7
27/12/24 08:45	2	3	5	2	18.2	64	8.0	242	7
27/12/24 08:50	2	3	5	2	18.3	64	6.7	237	9
27/12/24 08:55	2	2	4	2	18.4	64	6.4	230	10
27/12/24 09:00	2	2	3	2	18.4	64	6.6	223	8
27/12/24 09:05	1	2	3	2	18.5	64	6.9	237	12
27/12/24 09:10	2	2	4	2	18.6	62	6.3	245	9
27/12/24 09:15	2	2	4	2	18.7	64	6.5	220	7
27/12/24 09:20	2	0	2	2	18.8	65	7.2	222	7
27/12/24 09:25	1	0	2	2	18.8	64	7.2	245	11
27/12/24 09:30	2	2	4	2	18.9	62	7.3	247	7
27/12/24 09:35	2	3	6	2	18.7	64	7.5	249	9
27/12/24 09:40	2	3	5	2	18.6	64	6.6	255	12
27/12/24 09:45	2	3	5	2	18.7	64	7.5	239	9
27/12/24 09:50	2	3	5	2	18.7	64	6.7	236	7
27/12/24 09:55	2	3	5	2	18.9	62	6.3	234	14
27/12/24 10:00	2	3	5	2	19.2	59	7.9	237	8
27/12/24 10:05	2	2	4	2	19.1	59	6.7	228	7
27/12/24 10:10	1	2	4	2	19.2	61	7.1	217	8
27/12/24 10:15	1	2	3	2	19.2	63	7.7	217	9
27/12/24 10:20	1	2	3	2	19.1	67	7.1	211	6
27/12/24 10:25	1	1	2	2	19.2	64	8.1	223	6
27/12/24 10:30	1	1	2	2	19.1	63	8.4	223	5
27/12/24 10:35	1	1	1	1	19.1	61	7.5	221	8
27/12/24 10:40	1	1	2	2	19.1	65	7.5	212	9
27/12/24 10:45	4	8	12	2	18.8	64	7.4	202	7
27/12/24 10:50	3	2	5	2	19.1	65	7.8	206	7
27/12/24 10:55	2	1	3	2	18.9	65	7.6	208	6
27/12/24 11:00	13	26	39	2	19.2	63	5.7	200	9
27/12/24 11:05	39	18	57	3	19.2	61	5.5	201	9
27/12/24 11:10	43	8	51	3	19.2	59	3.8	197	11
27/12/24 11:15	11	9	20	3	19.3	57	5.7	202	9
27/12/24 11:20	52	13	65	3	19.4	58	5.0	199	11
27/12/24 11:25	18	9	27	3	19.5	58	5.3	200	11
27/12/24 11:30	48	21	69	3	19.5	57	3.8	197	12
27/12/24 11:35	20	11	31	4	19.8	57	3.4	195	13
27/12/24 11:40	21	13	34	3	20.1	55	3.6	185	15
27/12/24 11:45	85	21	106	4	20.7	51	4.1	182	10
27/12/24 11:50	43	7	50	5	20.7	52	3.9	186	13
27/12/24 11:55	88	14	102	5	20.5	51	4.1	190	12
27/12/24 12:00	69	17	86	6	20.2	54	4.3	193	17
27/12/24 12:05	61	9	70	5	20.4	54	4.1	190	11
27/12/24 12:10	73	19	92	6	20.6	52	4.6	195	12
27/12/24 12:15	55	2	58	7	20.6	53	4.7	195	12
27/12/24 12:20	14	3	17	6	20.5	54	5.6	201	7
27/12/24 12:25	40	10	50	5	20.7	52	4.2	190	12
27/12/24 12:30	44	17	61	5	21.1	48	3.8	181	10
27/12/24 12:35	53	5	57	5	21.2	49	4.0	184	12
27/12/24 12:40	3	2	5	4	20.9	49	6.8	213	6
27/12/24 12:45				4	20.9	55	3.5	179	13
27/12/24 12:50	2	2	4	3	21.1	56	3.1	178	18
27/12/24 12:55	2	2	4	3	20.8	55	3.9	188	14
27/12/24 13:00	3	2	5	3	20.5	55	5.1	183	10

Station Pier Ambient Air Quality Monitoring
December 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 (°)
27/12/24 13:05	3	3	6	3	20.3	57	5.6	180	10
27/12/24 13:10	1	1	3	2	20.5	58	4.9	179	13
27/12/24 13:15	1	1	2	2	20.7	58	4.3	174	14
27/12/24 13:20	1	1	2	2	20.5	59	4.3	171	16
27/12/24 13:25	1	1	2	2	20.3	58	4.8	180	10
27/12/24 13:30	1	1	2	2	20.3	58	3.7	176	15
27/12/24 13:35	1	1	2	2	20.2	57	3.8	178	15
27/12/24 13:40	1	1	2	2	20.2	59	3.8	177	12
27/12/24 13:45	1	1	2	2	20.5	57	3.2	175	15
27/12/24 13:50	1	1	2	2	20.7	56	3.3	167	18
27/12/24 13:55	1	1	3	2	21.1	57	3.3	176	18
27/12/24 14:00	1	2	3	2	21.2	57	3.6	180	16
27/12/24 14:05	1	1	3	2	21.1	58	4.0	175	15
27/12/24 14:10	1	1	2	2	20.9	59	3.7	178	15
27/12/24 14:15	1	1	2	2	20.7	59	3.6	171	16
27/12/24 14:20	1	1	3	2	20.9	59	3.1	166	22
27/12/24 14:25	1	1	2	2	21.1	58	3.0	164	21
27/12/24 14:30	1	1	2	2	21.2	58	3.5	167	19
27/12/24 14:35	1	1	2	2	21.1	57	2.7	162	26
27/12/24 14:40	1	1	2	2	21.1	58	3.1	175	18
27/12/24 14:45	1	1	2	2	21.4	57	3.3	168	16
27/12/24 14:50	1	1	2	2	21.4	57	3.3	168	18
27/12/24 14:55	1	1	2	2	21.4	56	3.1	161	17
27/12/24 15:00	1	1	2	2	21.0	58	3.1	154	24
27/12/24 15:05	1	1	2	2	20.9	58	3.1	165	23
27/12/24 15:10	1	1	2	1	21.0	59	3.5	168	15
27/12/24 15:15	1	1	2	1	21.1	58	3.1	161	21
27/12/24 15:20	1	1	1	1	21.3	57	3.1	163	22
27/12/24 15:25	0	1	1	2	21.1	57	3.5	167	21
27/12/24 15:30	0	1	1	2	20.7	60	3.6	173	20
27/12/24 15:35	0	1	1	2	20.1	60	4.2	178	13
27/12/24 15:40	0	1	1	2	20.2	61	4.2	163	21
27/12/24 15:45	0	1	1	2	20.3	60	4.0	173	15
27/12/24 15:50	0	1	1	2	20.4	59	4.0	171	17
27/12/24 15:55	0	1	1	2	20.6	58	4.3	176	13
27/12/24 16:00	0	1	1	1	20.5	57	5.0	178	11
27/12/24 16:05	0	1	1	1	20.5	58	4.5	176	12
27/12/24 16:10	0	1	1	2	20.5	59	4.1	170	16
27/12/24 16:15	0	1	1	2	20.4	60	4.4	172	18
27/12/24 16:20	0	1	1	2	20.4	59	3.8	165	19
27/12/24 16:25	0	1	1	2	20.6	60	3.6	173	18
27/12/24 16:30	0	1	1	1	20.4	60	4.1	175	15
27/12/24 16:35	0	1	1	1	20.0	60	4.4	164	16
27/12/24 16:40	0	1	1	2	19.6	62	4.2	172	14
27/12/24 16:45	0	1	1	2	19.6	62	4.1	165	18
27/12/24 16:50	0	1	1	2	19.6	62	3.9	172	16
27/12/24 16:55	0	1	1	2	19.6	61	3.5	169	16
27/12/24 17:00	0	1	1	1	19.6	60	3.6	161	19
27/12/24 17:05	0	1	1	1	19.7	62	3.3	173	16
27/12/24 17:10	0	1	1	1	19.7	60	3.3	167	23
27/12/24 17:15	0	1	1	1	19.7	60	3.3	167	20
27/12/24 17:20	0	1	1	1	19.7	60	3.4	168	20
27/12/24 17:25	0	1	1	1	19.6	59	3.6	174	15
27/12/24 17:30	0	1	1	2	19.6	60	4.1	169	17
27/12/24 17:35	0	1	1	2	19.4	59	4.4	172	16
27/12/24 17:40	0	1	2	1	19.4	60	3.4	167	23
27/12/24 17:45	0	2	2	1	19.3	59	2.8	158	29
27/12/24 17:50	0	2	2	2	19.3	59	2.7	157	31
27/12/24 17:55	0	2	2	2	19.2	60	3.1	161	23
27/12/24 18:00	0	1	2	2	19.2	60	2.4	158	28
27/12/24 18:05	0	1	1	2	19.3	61	3.0	171	17
27/12/24 18:10	0	1	1	1	19.4	60	3.3	163	18
27/12/24 18:15	0	1	1	1	19.3	57	3.0	158	22
27/12/24 18:20	0	1	1	1	19.2	57	2.2	154	30
27/12/24 18:25	0	1	1	1	19.1	57	3.1	139	27
27/12/24 18:30	0	1	1	1	19.0	58	3.2	152	25
27/12/24 18:35	0	1	1	2	19.1	58	3.4	137	20
27/12/24 18:40	0	1	1	2	19.0	60	3.2	150	22
27/12/24 18:45	0	1	1	2	19.1	59	2.9	157	23
27/12/24 18:50	0	1	1	2	19.2	59	2.8	147	27
27/12/24 18:55	0	1	1	2	19.0	59	3.0	148	23
27/12/24 19:00	0	1	1	2	19.0	60	2.4	155	29
27/12/24 19:05	0	1	1	2	19.0	59	3.6	138	18
27/12/24 19:10	0	2	2	2	19.1	61	3.4	171	16
27/12/24 19:15	0	2	2	2	19.0	60	3.3	171	17
27/12/24 19:20	0	2	2	2	19.3	63	3.0	171	17
27/12/24 19:25	0	2	2	2	19.2	62	4.0	174	17
27/12/24 19:30	0	2	2	2	19.2	65	3.2	166	22
27/12/24 19:35	0	2	1	2	19.0	63	3.5	168	20
27/12/24 19:40	0	1	1	2	18.9	65	3.1	171	18
27/12/24 19:45	0	1	1	2	18.9	63	3.8	170	16
27/12/24 19:50	0	1	1	2	18.8	62	3.5	165	15
27/12/24 19:55	0	1	1	2	18.8	61	3.3	175	19
27/12/24 20:00	0	1	1	2	18.7	63	2.8	163	21

Station Pier Ambient Air Quality Monitoring
December 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 (°)
27/12/24 20:05	0	1	1	1	18.8	64	3.2	166	18
27/12/24 20:10	0	1	1	2	18.9	65	3.5	172	17
27/12/24 20:15	0	1	1	2	18.9	63	3.7	150	23
27/12/24 20:20	0	1	1	2	18.5	64	3.5	144	21
27/12/24 20:25	0	1	1	2	18.5	64	2.5	158	27
27/12/24 20:30	0	1	1	2	18.5	63	3.0	144	26
27/12/24 20:35	0	1	1	2	18.4	63	4.2	132	15
27/12/24 20:40	0	1	1	2	18.2	63	4.3	130	14
27/12/24 20:45	0	1	1	2	18.2	62	4.2	128	13
27/12/24 20:50	0	1	1	2	18.3	62	3.9	134	13
27/12/24 20:55	0	1	1	2	18.2	62	3.2	123	15
27/12/24 21:00	0	1	1	2	18.2	63	2.7	127	20
27/12/24 21:05	0	1	1	2	18.3	63	3.7	136	12
27/12/24 21:10	0	1	1	2	18.4	63	3.0	121	21
27/12/24 21:15	0	1	1	2	18.3	63	2.6	121	19
27/12/24 21:20	0	1	1	2	18.3	63	2.9	119	20
27/12/24 21:25	0	1	1	1	18.3	64	4.3	106	9
27/12/24 21:30	0	1	1	1	18.3	64	4.5	101	8
27/12/24 21:35	0	1	1	2	18.3	65	3.6	101	7
27/12/24 21:40	0	1	1	2	18.3	64	2.9	115	17
27/12/24 21:45	0	1	1	2	18.5	65	2.3	152	27
27/12/24 21:50	0	1	1	1	18.5	64	2.5	152	21
27/12/24 21:55	0	1	1	1	18.4	62	3.6	129	13
27/12/24 22:00	0	1	1	1	18.2	62	2.8	131	20
27/12/24 22:05	0	1	1	1	18.3	63	2.3	147	25
27/12/24 22:10	0	1	1	2	18.3	61	2.4	140	20
27/12/24 22:15	0	1	1	2	18.2	62	2.5	113	15
27/12/24 22:20	0	1	1	2	18.3	63	2.1	101	11
27/12/24 22:25	0	1	1	2	18.3	63	1.7	97	9
27/12/24 22:30	0	1	2	1	18.2	62	1.7	112	22
27/12/24 22:35	0	2	2	1	18.2	62	0.7	121	42
27/12/24 22:40	0	2	2	1	18.3	62	1.9	212	26
27/12/24 22:45	0	2	3	2	18.4	56	3.6	243	7
27/12/24 22:50	1	8	8	2	18.3	56	4.0	236	8
27/12/24 22:55	1	10	11	2	18.2	56	3.6	244	10
27/12/24 23:00	1	10	11	2	18.1	57	3.6	240	9
27/12/24 23:05	2	12	14	2	18.0	57	3.6	238	8
27/12/24 23:10	2	10	13	2	17.9	57	4.3	232	7
27/12/24 23:15	2	7	9	2	17.8	58	4.5	235	7
27/12/24 23:20	2	6	8	2	17.7	59	5.0	234	6
27/12/24 23:25	2	5	7	3	17.6	59	5.0	231	5
27/12/24 23:30	2	6	8	2	17.6	60	4.6	232	5
27/12/24 23:35	2	10	12	2	17.6	60	4.5	233	9
27/12/24 23:40	2	8	10	3	17.5	60	5.0	235	4
27/12/24 23:45	2	4	6	3	17.5	61	4.9	233	7
27/12/24 23:50	1	2	4		17.5	62	5.3	227	8
27/12/24 23:55	1	2	3		17.6	61	5.3	229	7
28/12/24 00:00	1	2	3	2	17.5	63	5.6	227	6
28/12/24 00:05	1	2	2	2	17.4	61	5.8	229	5
28/12/24 00:10	0	2	2	3	17.3	63	4.8	232	6
28/12/24 00:15	0	2	3	3	17.3	62	5.0	231	6
28/12/24 00:20	0	2	3	3	17.2	62	4.7	234	5
28/12/24 00:25	0	2	3	3	17.2	61	4.8	236	4
28/12/24 00:30	0	2	3	2	17.2	62	4.3	238	6
28/12/24 00:35	0	3	3	2	17.1	61	3.4	238	8
28/12/24 00:40	1	5	6	2	17.0	61	3.5	236	12
28/12/24 00:45	2	8	10	2	17.0	60	3.6	241	10
28/12/24 00:50	3	16	18	3	16.9	61	2.9	245	11
28/12/24 00:55	4	17	21	3	16.9	60	3.0	249	9
28/12/24 01:00	4	14	19	3	16.8	60	3.0	248	11
28/12/24 01:05					16.8	60	2.9	250	9
28/12/24 01:10					16.6	61	2.9	256	9
28/12/24 01:15					16.7	60	2.8	252	10
28/12/24 01:20					16.6	60	2.3	264	20
28/12/24 01:25					16.5	61	1.9	282	14
28/12/24 01:30					16.4	61	1.4	280	21
28/12/24 01:35					16.2	58	1.7	302	10
28/12/24 01:40					16.0	58	1.3	314	15
28/12/24 01:45					16.0	59	1.1	315	18
28/12/24 01:50					15.9	59	1.6	297	14
28/12/24 01:55					15.9	60	1.4	279	16
28/12/24 02:00					16.1	60	1.4	288	18
28/12/24 02:05	1	7	7	2	16.0	58	1.7	305	10
28/12/24 02:10	0	7	8	2	15.9	59	1.8	299	12
28/12/24 02:15	0	8	9	2	15.8	59	1.9	304	10
28/12/24 02:20	0	9	9	2	15.8	59	2.2	302	8
28/12/24 02:25	0	9	10	2	15.8	60	2.0	299	9
28/12/24 02:30	0	10	10	2	15.7	62	1.6	289	16
28/12/24 02:35	0	9	9	2	15.7	63	1.7	291	12
28/12/24 02:40	0	9	9	3	15.7	62	1.8	296	13
28/12/24 02:45	1	9	10	3	15.7	61	1.9	310	8
28/12/24 02:50	1	10	11	2	15.5	61	1.6	306	7
28/12/24 02:55	1	10	11	2	15.3	62	1.5	312	14
28/12/24 03:00	1	11	12	2	15.4	62	1.5	315	17

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
28/12/24 03:05	1	11	12	2	15.3	62	1.1	320	24
28/12/24 03:10	3	16	19	2	15.2	62	0.9	348	31
28/12/24 03:15	7	9	16	2	15.2	63	1.2	343	24
28/12/24 03:20	2	9	11	2	15.1	63	1.2	332	27
28/12/24 03:25	3	9	11	2	15.2	63	1.0	332	31
28/12/24 03:30	4	9	13	3	15.1	63	1.1	332	29
28/12/24 03:35	2	10	12	3	15.1	63	1.5	342	23
28/12/24 03:40	4	8	12	2	15.0	63	1.1	353	30
28/12/24 03:45	4	10	14	3	14.9	63	1.1	315	28
28/12/24 03:50	1	10	11	3	14.9	63	1.1	315	25
28/12/24 03:55	2	9	11	2	15.0	63	1.7	346	25
28/12/24 04:00	3	8	11	2	14.9	63	1.1	337	33
28/12/24 04:05	3	9	11	2	15.1	63	1.6	322	26
28/12/24 04:10	2	10	12	2	15.1	62	1.5	335	29
28/12/24 04:15	3	12	15	2	15.1	63	1.4	322	24
28/12/24 04:20	3	13	17	2	15.1	63	1.9	352	25
28/12/24 04:25	11	13	24	2	15.1	62	1.7	350	20
28/12/24 04:30	7	16	24	2	15.0	62	1.8	348	15
28/12/24 04:35	5	16	21	2	15.0	63	0.9	330	38
28/12/24 04:40	5	15	20	2	15.0	63	1.4	321	15
28/12/24 04:45	4	16	20	2	14.9	64	1.2	331	29
28/12/24 04:50	6	15	21	2	14.9	64	1.1	333	34
28/12/24 04:55	7	15	23	2	14.9	64	1.2	328	32
28/12/24 05:00	6	14	21	2	14.8	65	1.3	323	22
28/12/24 05:05	4	12	16	2	14.8	65	2.0	306	14
28/12/24 05:10	2	10	12	2	14.7	65	1.9	331	18
28/12/24 05:15	2	10	12	2	14.7	65	2.1	327	18
28/12/24 05:20	2	10	12	2	14.6	66	1.5	336	23
28/12/24 05:25	2	10	12	2	14.5	66	1.6	334	29
28/12/24 05:30	2	9	11	2	14.4	67	1.3	332	30
28/12/24 05:35	2	9	11	2	14.5	66	1.9	355	19
28/12/24 05:40	2	9	11	2	14.5	66	1.9	325	21
28/12/24 05:45	3	10	12	2	14.5	66	1.7	330	22
28/12/24 05:50	4	10	14	2	14.4	66	1.7	325	20
28/12/24 05:55	4	11	16	2	14.4	66	1.5	330	23
28/12/24 06:00	5	11	16	2	14.5	66	1.7	338	26
28/12/24 06:05	5	11	16	2	14.7	65	1.4	328	28
28/12/24 06:10	6	11	16	2	15.0	63	1.2	335	39
28/12/24 06:15	6	10	17	2	15.3	63	1.5	317	24
28/12/24 06:20	7	10	17	2	15.5	60	2.0	340	30
28/12/24 06:25	8	11	19	2	15.6	60	1.6	331	25
28/12/24 06:30	10	11	20	3	15.7	60	1.7	317	21
28/12/24 06:35	11	11	22	3	15.9	59	1.4	327	29
28/12/24 06:40	13	11	24	3	16.1	58	1.3	313	22
28/12/24 06:45	14	11	25	3	16.2	57	1.5	335	29
28/12/24 06:50	17	11	28	3	16.4	57	1.1	311	24
28/12/24 06:55	16	12	28	3	16.5	56	1.6	323	16
28/12/24 07:00	9	10	19	3	16.7	53	2.2	342	23
28/12/24 07:05	9	11	21	3	16.7	53	1.3	350	27
28/12/24 07:10	8	11	19	3	16.8	53	1.5	329	25
28/12/24 07:15	7	9	16	3	16.7	53	1.0	339	34
28/12/24 07:20	6	8	15	3	16.7	52	1.7	323	23
28/12/24 07:25	6	8	15	3	16.9	52	1.8	338	28
28/12/24 07:30	7	8	15	3	17.3	51	1.4	310	39
28/12/24 07:35	7	8	15	3	17.5	50	1.6	308	23
28/12/24 07:40	7	8	15	3	17.7	49	1.2	337	45
28/12/24 07:45	7	8	15	2	18.1	47	2.6	310	25
28/12/24 07:50	6	7	14	2	18.0	47	2.5	322	21
28/12/24 07:55	6	7	13	3	18.3	47	1.8	297	40
28/12/24 08:00	5	6	11	3	18.3	48	2.9	278	23
28/12/24 08:05	4	4	8	2	18.3	47	1.6	289	25
28/12/24 08:10	4	2	6	2	18.6	47	2.5	316	28
28/12/24 08:15	3	2	5	2	18.7	47	1.8	269	25
28/12/24 08:20	2	2	5	2	19.0	47	2.5	282	22
28/12/24 08:25	2	2	4	2	19.0	47	2.7	278	23
28/12/24 08:30	2	2	4	2	19.0	50	5.4	261	12
28/12/24 08:35	2	2	4	2	18.9	48	3.6	275	18
28/12/24 08:40	2	2	4	2	19.0	49	3.3	281	14
28/12/24 08:45	1	2	4	2	19.2	50	3.8	267	10
28/12/24 08:50	1	2	4	2	19.2	47	3.0	289	16
28/12/24 08:55	1	2	3	2	19.4	49	3.5	268	16
28/12/24 09:00	1	2	3	2	19.6	48	3.6	258	13
28/12/24 09:05	1	2	3	2	19.5	48	3.4	258	15
28/12/24 09:10	1	2	3	2	19.6	51	4.6	259	12
28/12/24 09:15	1	2	3	2	19.8	50	3.6	262	16
28/12/24 09:20	1	2	3	2	20.0	47	2.7	280	22
28/12/24 09:25	1	2	3	2	20.2	45	2.9	268	17
28/12/24 09:30	1	2	2	2	20.5	44	4.1	281	15
28/12/24 09:35	1	2	2	2	20.5	44	3.3	274	17
28/12/24 09:40	1	2	2	2	20.4	47	4.2	263	14
28/12/24 09:45	1	1	2	2	20.4	46	3.6	278	13
28/12/24 09:50	1	1	2	2	20.5	44	2.9	284	18
28/12/24 09:55	0	2	2	2	20.6	43	3.4	279	13
28/12/24 10:00	0	2	2	2	20.7	44	2.9	274	18

Station Pier Ambient Air Quality Monitoring
December 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 (°)
28/12/24 10:05	0	2	2	2	20.8	44	3.5	273	12
28/12/24 10:10	1	2	2	2	20.9	45	4.5	271	12
28/12/24 10:15	1	2	3	2	20.9	44	3.4	272	11
28/12/24 10:20	1	2	2	2	20.9	44	2.6	274	15
28/12/24 10:25	1	2	2	2	21.1	44	2.4	271	13
28/12/24 10:30	1	2	3	2	21.3	44	3.0	272	14
28/12/24 10:35	1	2	3	2	21.4	43	2.2	272	20
28/12/24 10:40	1	2	3	2	21.7	40	2.2	281	24
28/12/24 10:45	1	2	3	2	21.9	41	2.9	289	20
28/12/24 10:50	1	2	3	2	21.8	41	3.3	268	17
28/12/24 10:55	1	2	3	2	21.8	42	3.2	275	23
28/12/24 11:00	1	2	3	2	21.8	41	3.3	277	13
28/12/24 11:05	1	2	3	1	21.8	40	3.8	274	20
28/12/24 11:10	1	2	3	1	21.9	41	2.5	250	19
28/12/24 11:15	1	2	3	2	22.0	42	2.7	269	23
28/12/24 11:20	1	2	3	2	22.4	38	1.8	274	35
28/12/24 11:25	1	2	2	2	22.7	37	4.1	296	14
28/12/24 11:30	1	2	2	2	22.9	38	3.8	274	15
28/12/24 11:35	0	2	2	2	22.7	37	1.8	290	17
28/12/24 11:40	0	2	2	2	22.6	37	2.5	278	19
28/12/24 11:45	0	2	2	2	22.7	38	4.7	273	12
28/12/24 11:50	0	2	2	2	22.7	37	4.4	284	15
28/12/24 11:55	0	2	2	2	22.7	37	2.6	276	18
28/12/24 12:00	0	2	2	2	22.8	38	2.8	275	16
28/12/24 12:05	0	2	2	2	22.7	40	4.5	262	10
28/12/24 12:10	0	3	3	2	22.7	39	3.5	273	14
28/12/24 12:15	1	3	4	2	22.8	38	3.7	275	14
28/12/24 12:20	1	3	3	2	22.8	37	2.4	281	18
28/12/24 12:25	1	3	3	2	22.9	37	2.3	270	21
28/12/24 12:30	1	3	4	2	22.9	40	4.0	255	5
28/12/24 12:35	2	4	5	2	22.9	41	5.5	263	10
28/12/24 12:40	1	4	6	2	23.0	38	4.4	275	16
28/12/24 12:45	1	4	5	2	23.0	41	6.7	255	6
28/12/24 12:50	1	2	2	2	23.1	42	5.5	256	5
28/12/24 12:55	1	2	2	2	23.2	40	6.8	264	13
28/12/24 13:00	1	1	2	2	23.2	40	5.3	267	11
28/12/24 13:05	1	2	3	2	23.4	39	6.4	267	12
28/12/24 13:10	1	2	2	2	23.4	40	6.2	257	10
28/12/24 13:15	1	2	2	2	23.4	37	4.3	288	11
28/12/24 13:20	1	2	3	2	23.5	38	3.9	259	10
28/12/24 13:25	1	2	3	2	23.5	39	5.4	264	12
28/12/24 13:30	1	2	3	2	23.4	41	6.7	251	7
28/12/24 13:35	1	2	3	2	23.5	39	5.5	262	8
28/12/24 13:40	1	2	3	2	23.5	40	4.1	271	15
28/12/24 13:45	1	2	3	2	23.6	39	7.3	263	7
28/12/24 13:50	1	2	3	2	23.3	42	7.9	260	9
28/12/24 13:55	1	2	3	2	23.1	43	6.4	259	9
28/12/24 14:00	1	3	3	2	23.1	42	6.5	259	12
28/12/24 14:05	1	3	4	2	21.3	58	12.4	229	8
28/12/24 14:10	1	3	4	2	19.4	73	11.2	223	3
28/12/24 14:15	1	2	3	2	19.0	76	9.4	230	6
28/12/24 14:20	1	2	3	2	19.1	74	8.4	238	8
28/12/24 14:25	2	5	7	2	19.4	70	7.6	246	7
28/12/24 14:30	4	8	12	2	19.4	69	6.8	249	7
28/12/24 14:35	5	6	11	2	19.7	69	5.5	253	5
28/12/24 14:40	3	3	6	2	19.9	67	5.0	250	10
28/12/24 14:45	3	3	6	2	20.0	66	5.7	252	7
28/12/24 14:50	2	2	5	2	20.2	65	5.3	255	7
28/12/24 14:55	2	3	4	2	20.3	63	5.1	247	8
28/12/24 15:00	2	3	5	2	20.4	63	4.2	246	12
28/12/24 15:05	3	7	10	2	20.7	63	4.7	247	13
28/12/24 15:10	3	4	8	2	21.0	59	4.7	256	15
28/12/24 15:15	3	3	5	2	21.2	57	5.1	254	8
28/12/24 15:20	3	4	7	2	21.4	57	4.7	255	12
28/12/24 15:25	2	2	5	2	21.4	57	4.1	253	15
28/12/24 15:30	2	2	4	2	21.8	54	3.4	257	13
28/12/24 15:35	2	2	4	2	22.1	55	4.2	247	6
28/12/24 15:40	3	3	5	2	22.2	54	4.5	248	7
28/12/24 15:45	2	2	4	2	22.2	52	4.0	250	9
28/12/24 15:50	2	2	4	2	22.4	52	4.0	245	7
28/12/24 15:55	2	3	5	2	22.5	52	3.9	251	13
28/12/24 16:00	2	3	5	2	22.9	49	2.4	264	23
28/12/24 16:05	2	3	5	2	22.9	48	2.6	266	26
28/12/24 16:10	2	3	5	3	23.2	46	2.7	274	21
28/12/24 16:15	1	3	5	2	23.1	48	2.7	261	16
28/12/24 16:20	1	3	4	2	23.1	48	3.6	263	15
28/12/24 16:25	1	3	4	2	23.1	48	7.3	253	9
28/12/24 16:30	1	3	4	2	21.6	65	13.6	222	9
28/12/24 16:35	1	2	3	2	19.0	84	12.9	212	4
28/12/24 16:40	1	2	2	2	18.3	89	12.2	220	7
28/12/24 16:45	1	2	2	2	18.1	89	10.6	229	7
28/12/24 16:50	0	2	2	2	18.0	88	9.6	235	8
28/12/24 16:55	0	2	2	2	17.8	88	8.1	237	9
28/12/24 17:00	1	2	2	2	17.8	88	7.3	237	8

Station Pier Ambient Air Quality Monitoring
December 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 (°)
28/12/24 17:05	1	2	3	2	18.0	89	7.9	230	7
28/12/24 17:10	1	2	3	2	18.2	89	8.3	227	5
28/12/24 17:15	1	2	3	2	18.5	86	9.0	221	5
28/12/24 17:20	1	1	2	2	18.7	85	9.4	221	5
28/12/24 17:25	1	1	2	2	18.7	82	9.6	226	6
28/12/24 17:30	1	1	2	2	18.8	82	8.5	220	5
28/12/24 17:35	1	1	2	2	18.9	81	8.2	222	5
28/12/24 17:40	1	1	2	2	19.1	80	8.0	226	5
28/12/24 17:45	1	1	2	2	19.1	77	7.4	228	8
28/12/24 17:50	0	1	1	2	19.0	74	8.2	228	8
28/12/24 17:55	0	1	1	2	19.0	73	7.9	228	6
28/12/24 18:00	0	1	1	2	19.0	73	8.5	225	5
28/12/24 18:05	0	1	1	2	19.0	74	7.6	222	7
28/12/24 18:10	0	1	1	2	19.1	74	6.5	225	7
28/12/24 18:15	0	1	1	2	19.1	73	7.2	225	6
28/12/24 18:20	0	1	1	2	19.1	72	7.3	228	7
28/12/24 18:25	0	1	1	2	19.2	73	7.5	225	7
28/12/24 18:30	0	1	1	2	19.2	72	7.8	227	5
28/12/24 18:35	0	1	1	2	19.2	72	7.0	225	7
28/12/24 18:40	0	1	1	2	19.3	73	6.2	222	5
28/12/24 18:45	0	2	2	1	19.4	73	6.3	215	7
28/12/24 18:50	0	2	2	2	19.4	73	6.0	220	6
28/12/24 18:55	0	1	2	2	19.3	72	6.7	218	4
28/12/24 19:00	0	1	2	2	19.5	71	6.5	215	7
28/12/24 19:05	0	1	1	2	19.5	71	5.6	213	5
28/12/24 19:10	0	1	1	2	19.5	72	5.1	208	10
28/12/24 19:15	0	1	1	2	19.5	71	4.4	201	6
28/12/24 19:20	0	1	1	2	19.5	70	4.4	205	8
28/12/24 19:25	0	1	1	2	19.4	71	4.4	200	7
28/12/24 19:30	0	1	1	2	19.2	70	3.5	206	8
28/12/24 19:35	0	1	1	2	19.2	70	3.4	204	7
28/12/24 19:40	0	1	1	2	19.2	71	3.4	210	7
28/12/24 19:45	0	1	1	2	19.1	70	3.1	204	6
28/12/24 19:50	0	1	1	2	19.1	69	3.5	213	7
28/12/24 19:55	0	1	1	2	19.0	69	3.1	218	8
28/12/24 20:00	0	1	1	2	19.0	68	3.2	222	9
28/12/24 20:05	0	1	1	2	19.0	70	2.6	217	9
28/12/24 20:10	0	1	1	2	19.1	70	3.3	209	6
28/12/24 20:15	0	1	1	2	19.1	69	3.8	214	6
28/12/24 20:20	0	1	1	2	19.1	68	4.2	219	6
28/12/24 20:25	0	1	1	2	19.2	67	3.9	221	5
28/12/24 20:30	0	1	1	2	19.1	67	3.6	219	6
28/12/24 20:35	0	1	1	2	19.1	67	3.4	223	8
28/12/24 20:40	0	1	1	2	19.1	67	3.1	229	8
28/12/24 20:45	0	1	2	2	19.1	67	3.3	233	6
28/12/24 20:50	0	1	2	2	19.2	68	4.0	226	6
28/12/24 20:55	0	1	2	2	19.2	69	3.7	211	8
28/12/24 21:00	0	1	2	2	19.2	72	3.0	185	8
28/12/24 21:05	0	1	1	2	18.9	72	2.8	183	9
28/12/24 21:10	0	1	1	2	18.9	72	2.7	176	14
28/12/24 21:15	0	1	1	2	18.9	72	3.0	181	11
28/12/24 21:20	0	1	1	2	18.8	70	3.0	185	12
28/12/24 21:25	0	1	1	2	18.9	70	3.6	180	10
28/12/24 21:30	0	1	1	2	18.8	70	3.1	176	12
28/12/24 21:35	0	1	1	2	18.8	71	2.7	177	11
28/12/24 21:40	0	1	1	2	18.7	71	2.6	182	10
28/12/24 21:45	0	1	1	2	18.8	71	2.5	178	13
28/12/24 21:50	0	1	1	2	18.7	72	2.7	186	10
28/12/24 21:55	0	1	1	2	18.7	70	2.3	180	10
28/12/24 22:00	0	1	1	2	18.6	71	2.6	180	11
28/12/24 22:05	0	1	1	2	18.6	72	2.2	184	10
28/12/24 22:10	0	1	1	2	18.5	71	2.1	191	13
28/12/24 22:15	0	1	1	2	18.5	70	2.0	187	14
28/12/24 22:20	0	1	1	2	18.7	69	2.0	195	19
28/12/24 22:25	0	1	1	2	18.7	71	2.9	202	16
28/12/24 22:30	0	1	1	3	18.8	64	4.7	235	7
28/12/24 22:35	0	1	2	2	18.7	59	4.5	237	6
28/12/24 22:40	0	2	2	2	18.7	59	4.0	236	5
28/12/24 22:45	0	3	4	2	18.7	59	3.6	238	9
28/12/24 22:50	0	5	6	2	18.6	59	3.6	236	5
28/12/24 22:55	1	16	17	2	18.5	61	2.9	244	11
28/12/24 23:00	3	16	19	2	18.4	59	3.5	241	5
28/12/24 23:05	3	14	18	2	18.4	59	3.8	237	5
28/12/24 23:10	4	14	17	2	18.3	58	3.8	243	6
28/12/24 23:15	3	12	15	2	18.3	59	3.6	244	9
28/12/24 23:20	3	11	14	2	18.3	60	3.4	240	7
28/12/24 23:25	3	12	15	2	18.2	60	3.6	245	6
28/12/24 23:30	3	12	15	2	18.1	60	3.6	242	7
28/12/24 23:35	3	11	14	2	18.1	61	3.8	240	8
28/12/24 23:40	3	11	13	2	18.1	62	4.0	239	11
28/12/24 23:45	3	10	13	2	18.1	62	4.0	238	8
28/12/24 23:50	3	9	11		18.0	63	4.3	237	9
28/12/24 23:55	2	6	9		17.9	63	4.5	237	8
29/12/24 00:00	2	6	8	2	17.9	63	4.4	237	7

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
29/12/24 00:05	2	6	8	2	17.8	64	4.6	238	7
29/12/24 00:10	2	6	8	3	17.7	64	5.0	235	7
29/12/24 00:15	1	6	7	3	17.7	64	4.8	234	8
29/12/24 00:20	1	5	6	3	17.8	65	4.8	234	7
29/12/24 00:25	1	4	5	3	17.7	65	5.0	234	5
29/12/24 00:30	1	4	4	3	17.6	65	4.7	236	5
29/12/24 00:35	0	4	4	3	17.6	65	5.1	236	6
29/12/24 00:40	0	4	4	3	17.6	66	5.1	238	7
29/12/24 00:45	0	4	4	3	17.5	66	5.1	237	8
29/12/24 00:50	0	4	5	2	17.3	66	4.9	237	7
29/12/24 00:55	1	5	6	2	17.4	67	4.9	235	6
29/12/24 01:00	1	7	8	3	17.2	67	5.0	237	5
29/12/24 01:05					17.2	68	5.4	237	4
29/12/24 01:10					17.2	68	5.3	239	8
29/12/24 01:15					17.1	68	4.9	239	6
29/12/24 01:20					17.0	69	4.3	238	7
29/12/24 01:25					17.0	69	4.0	243	8
29/12/24 01:30					16.9	70	4.0	245	9
29/12/24 01:35					16.9	70	3.8	242	10
29/12/24 01:40					16.8	70	3.6	250	9
29/12/24 01:45					16.7	70	3.6	246	8
29/12/24 01:50					16.6	69	3.6	251	7
29/12/24 01:55					16.6	69	3.5	248	7
29/12/24 02:00					16.6	69	2.9	251	8
29/12/24 02:05	3	17	21	3	16.6	69	2.2	264	14
29/12/24 02:10	2	8	10	3	16.4	69	1.7	278	13
29/12/24 02:15	1	3	4	3	16.2	69	1.6	280	16
29/12/24 02:20	1	4	5	3	16.1	69	1.6	279	15
29/12/24 02:25	0	5	6	3	16.1	69	1.5	284	15
29/12/24 02:30	0	6	6	2	15.9	68	1.8	292	11
29/12/24 02:35	0	6	7	3	15.8	68	2.0	295	8
29/12/24 02:40	0	7	7	3	15.8	68	1.9	297	7
29/12/24 02:45	0	7	7	3	15.8	68	2.2	302	8
29/12/24 02:50	0	8	8	3	15.7	69	1.7	315	11
29/12/24 02:55	0	8	8	2	15.5	69	1.6	318	10
29/12/24 03:00	0	8	9	3	15.3	70	1.9	328	10
29/12/24 03:05	0	9	9	3	15.1	70	2.0	324	11
29/12/24 03:10	0	8	9	3	15.1	71	2.1	320	10
29/12/24 03:15	0	8	8	2	15.1	71	2.0	316	10
29/12/24 03:20	0	8	8	3	15.0	71	1.6	314	11
29/12/24 03:25	0	8	8	3	15.1	72	1.7	312	13
29/12/24 03:30	0	9	9	3	15.2	71	1.6	319	17
29/12/24 03:35	5	12	17	3	15.1	71	1.1	324	21
29/12/24 03:40	19	15	33	3	15.1	72	1.1	321	15
29/12/24 03:45	15	15	30	2	15.1	73	1.3	323	14
29/12/24 03:50	13	16	29	3	15.0	72	1.2	321	15
29/12/24 03:55	13	16	29	3	14.9	72	1.5	321	13
29/12/24 04:00	14	16	30	3	14.8	72	1.4	328	11
29/12/24 04:05	18	14	31	3	14.7	73	1.3	335	15
29/12/24 04:10	23	11	34	3	14.6	73	1.4	342	19
29/12/24 04:15	24	13	37	3	14.6	74	1.5	325	17
29/12/24 04:20	23	14	37	3	14.6	74	1.4	321	12
29/12/24 04:25	23	14	37	3	14.7	75	1.9	320	12
29/12/24 04:30	21	14	35	3	14.7	74	2.2	317	12
29/12/24 04:35	18	15	33	3	14.7	74	2.1	317	11
29/12/24 04:40	16	15	30	3	14.7	74	1.5	322	16
29/12/24 04:45	15	14	29	3	14.7	74	1.5	324	17
29/12/24 04:50	14	15	29	3	14.7	74	1.7	329	16
29/12/24 04:55	15	14	29	3	14.5	74	1.3	334	22
29/12/24 05:00	18	14	31	4	14.6	75	1.3	327	14
29/12/24 05:05	24	11	35	3	14.5	75	1.2	329	15
29/12/24 05:10	25	14	39	3	14.4	75	1.6	322	14
29/12/24 05:15	23	14	38	3	14.4	75	1.5	316	13
29/12/24 05:20	22	14	36	3	14.5	76	1.4	315	14
29/12/24 05:25	20	14	34	3	14.5	75	1.5	319	19
29/12/24 05:30	14	14	27	3	14.6	74	1.9	311	15
29/12/24 05:35	8	11	19	3	14.7	75	1.5	327	15
29/12/24 05:40	14	13	28	3	14.7	74	1.4	332	15
29/12/24 05:45	26	14	40	3	14.7	73	1.3	347	15
29/12/24 05:50	26	13	40	3	14.8	73	1.3	345	17
29/12/24 05:55	26	14	40	4	15.0	72	1.1	343	21
29/12/24 06:00	26	14	40	4	15.2	72	1.2	343	19
29/12/24 06:05	27	14	41	4	15.3	71	1.3	350	13
29/12/24 06:10	27	14	41	4	15.4	71	1.4	348	21
29/12/24 06:15	27	14	41	3	15.6	70	1.0	329	23
29/12/24 06:20	28	15	42	4	15.6	71	0.9	310	23
29/12/24 06:25	28	14	42	4	15.8	70	1.1	331	33
29/12/24 06:30	28	14	43	4	15.9	70	0.9	352	32
29/12/24 06:35	28	14	43	4	16.1	69	1.2	358	34
29/12/24 06:40	27	14	42	4	16.2	69	1.0	321	28
29/12/24 06:45	27	14	41	4	16.2	68	1.2	9	20
29/12/24 06:50	26	14	40	4	16.2	68	1.0	3	31
29/12/24 06:55	25	13	38	4	16.3	68	0.9	335	43
29/12/24 07:00	23	8	30	4	16.4	69	0.3	316	78

Station Pier Ambient Air Quality Monitoring

December 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 (°)
29/12/24 07:05	17	10	27	4	16.6	68	0.6	288	54
29/12/24 07:10	11	11	22	4	16.7	68	1.4	285	27
29/12/24 07:15	4	4	8	4	16.9	67	1.4	262	23
29/12/24 07:20	3	4	6	4	16.9	68	2.1	258	24
29/12/24 07:25	3	4	6	4	16.7	68	2.5	291	10
29/12/24 07:30	2	3	6	4	16.7	68	1.8	283	21
29/12/24 07:35	2	3	6	4	16.9	68	2.4	261	13
29/12/24 07:40	3	4	6	4	16.9	68	1.8	262	16
29/12/24 07:45	3	4	7	4	17.0	66	1.3	285	36
29/12/24 07:50	3	4	7	4	17.3	66	2.2	259	24
29/12/24 07:55	3	4	7	4	17.3	67	3.5	244	8
29/12/24 08:00	3	3	6	4	17.3	66	2.1	249	14
29/12/24 08:05	3	3	6	4	17.5	67	3.3	229	18
29/12/24 08:10	2	3	6	4	17.6	66	3.0	248	16
29/12/24 08:15	3	3	6	4	17.6	66	3.8	242	13
29/12/24 08:20	2	3	5	4	17.6	65	2.7	242	8
29/12/24 08:25	2	3	5	4	17.7	65	2.2	243	13
29/12/24 08:30	2	3	5	4	17.9	65	2.5	231	21
29/12/24 08:35	2	3	5	4	18.0	65	2.7	258	18
29/12/24 08:40	2	2	4	4	18.1	63	2.5	268	24
29/12/24 08:45	2	2	4	4	18.1	63	2.1	224	16
29/12/24 08:50	2	2	4	3	18.1	62	1.6	250	15
29/12/24 08:55	2	3	4	3	18.5	61	1.8	278	26
29/12/24 09:00	2	3	4	3	18.5	61	2.0	239	26
29/12/24 09:05	2	3	4	3	18.3	62	1.9	243	23
29/12/24 09:10	2	3	5	3	18.6	62	1.0	239	23
29/12/24 09:15	2	3	5	4	18.9	61	1.4	270	27
29/12/24 09:20	2	3	5	3	19.0	58	1.1	283	27
29/12/24 09:25	2	3	5	3	19.1	59	0.8	48	51
29/12/24 09:30	2	3	5	3	19.9	56	1.3	9	56
29/12/24 09:35	2	3	4	3	20.1	56	0.5	176	77
29/12/24 09:40	2	3	4	3	20.1	56	1.4	211	15
29/12/24 09:45	2	3	4	3	20.3	53	0.2	248	82
29/12/24 09:50	1	2	4	3	20.5	52	1.2	272	30
29/12/24 09:55	1	2	4	3	20.5	54	1.6	258	17
29/12/24 10:00	1	2	4	3	20.5	55	1.5	193	45
29/12/24 10:05	1	2	4	3	20.9	55	2.5	137	20
29/12/24 10:10	2	3	4	3	20.8	54	2.5	137	15
29/12/24 10:15	1	3	4	3	20.9	53	1.8	121	18
29/12/24 10:20	1	3	4	3	21.0	55	1.7	111	23
29/12/24 10:25	1	3	4	3	21.4	52	1.5	142	23
29/12/24 10:30	1	3	4	3	21.8	52	1.6	130	24
29/12/24 10:35	1	2	3	3	22.1	52	2.2	112	9
29/12/24 10:40	1	2	3	3	22.2	51	1.5	117	17
29/12/24 10:45	1	2	3	3	22.2	50	2.1	131	14
29/12/24 10:50	1	2	3	3	22.3	51	1.7	171	18
29/12/24 10:55	1	2	3	3	22.4	53	3.2	177	14
29/12/24 11:00	1	2	2	3	22.0	54	2.8	175	12
29/12/24 11:05	1	2	2	3	22.1	53	2.7	171	17
29/12/24 11:10	0	2	2	3	22.2	52	2.3	164	20
29/12/24 11:15	0	1	2	3	22.5	51	2.0	163	23
29/12/24 11:20	0	1	2	3	22.8	50	2.6	160	21
29/12/24 11:25	0	1	2	3	23.0	50	2.3	167	16
29/12/24 11:30	0	1	1	3	23.0	50	2.1	155	23
29/12/24 11:35	0	1	1	2	22.6	51	2.2	150	26
29/12/24 11:40	0	1	1	3	22.3	52	2.5	137	19
29/12/24 11:45	0	1	1	3	22.2	53	2.0	149	25
29/12/24 11:50	0	1	1	3	22.2	54	2.0	147	24
29/12/24 11:55	0	1	1	3	22.1	53	3.0	132	14
29/12/24 12:00	2	2	4	3	21.7	55	2.5	123	14
29/12/24 12:05	1	2	3	3	22.0	56	2.4	114	13
29/12/24 12:10	1	1	2	2	22.2	54	2.0	142	24
29/12/24 12:15	1	1	2	3	22.3	54	2.7	136	16
29/12/24 12:20	0	1	1	3	22.0	54	2.9	125	13
29/12/24 12:25	0	1	1	2	21.9	54	2.0	130	19
29/12/24 12:30	0	1	1	2	22.6	52	1.6	150	31
29/12/24 12:35	0	1	1	2	22.9	52	2.1	144	27
29/12/24 12:40	0	1	1	3	22.9	50	3.0	137	17
29/12/24 12:45	0	1	1	3	22.5	50	3.2	133	13
29/12/24 12:50	0	1	1	3	22.2	51	3.8	131	10
29/12/24 12:55	0	1	1	3	22.2	52	3.1	133	14
29/12/24 13:00	0	1	1	3	22.1	53	3.3	125	13
29/12/24 13:05	0	1	1	3	21.8	55	3.3	129	13
29/12/24 13:10	0	1	1	3	21.7	55	3.6	129	11
29/12/24 13:15	0	1	1	3	21.6	55	3.0	122	15
29/12/24 13:20	0	1	1	3	21.8	56	2.7	120	14
29/12/24 13:25	0	1	1	3	21.8	56	3.1	124	14
29/12/24 13:30	0	1	1	3	21.8	56	3.9	134	12
29/12/24 13:35	0	1	1	2	21.9	57	2.7	143	22
29/12/24 13:40	0	1	1	3	22.6	57	1.7	166	29
29/12/24 13:45	0	1	1	3	23.4	53	1.9	147	29
29/12/24 13:50	0	1	1	3	23.2	52	3.2	129	12
29/12/24 13:55	0	1	1	3	22.9	53	3.5	130	11
29/12/24 14:00	0	1	1	3	22.8	53	3.4	134	10

Station Pier Ambient Air Quality Monitoring
December 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 (°)
29/12/24 14:05	0	1	2	3	22.7	53	3.4	128	11
29/12/24 14:10	0	1	1	3	22.7	51	3.2	129	13
29/12/24 14:15	0	1	1	2	22.8	51	2.7	125	12
29/12/24 14:20	0	1	1	2	22.9	51	2.3	125	14
29/12/24 14:25	0	1	2	2	23.4	52	1.6	115	17
29/12/24 14:30	0	1	1	2	23.8	49	1.8	137	23
29/12/24 14:35	0	1	1	3	24.0	48	2.0	155	19
29/12/24 14:40	0	1	1	3	24.5	47	1.5	152	26
29/12/24 14:45	0	1	1	2	24.9	46	1.4	156	29
29/12/24 14:50	0	1	1	3	25.0	46	1.9	139	26
29/12/24 14:55	0	1	1	3	24.4	46	3.1	131	12
29/12/24 15:00	0	1	1	3	23.8	48	2.3	122	16
29/12/24 15:05	0	1	1	3	24.2	49	1.8	111	19
29/12/24 15:10	0	1	1	3	24.7	47	2.2	112	17
29/12/24 15:15	0	1	1	3	24.7	48	2.2	111	13
29/12/24 15:20	0	1	1	3	24.6	47	2.0	115	15
29/12/24 15:25	0	1	1	3	24.6	48	2.0	119	17
29/12/24 15:30	0	1	1	3	24.0	50	2.8	130	10
29/12/24 15:35	0	1	1	3	23.9	50	2.7	135	15
29/12/24 15:40	0	1	1	3	24.2	50	2.5	139	17
29/12/24 15:45	0	1	1	3	24.1	51	2.6	140	17
29/12/24 15:50	0	1	1	3	24.1	51	2.1	142	18
29/12/24 15:55	0	1	1	3	24.3	51	2.4	140	17
29/12/24 16:00	0	1	1	3	24.1	51	3.7	133	8
29/12/24 16:05	0	1	1	3	23.7	52	3.9	129	11
29/12/24 16:10	0	1	1	3	23.6	53	3.6	133	13
29/12/24 16:15	0	1	1	3	23.9	52	1.8	153	28
29/12/24 16:20	0	1	1	3	24.4	52	1.5	158	38
29/12/24 16:25	0	1	1	3	24.6	50	2.4	154	22
29/12/24 16:30	0	1	1	3	24.4	51	2.7	142	19
29/12/24 16:35	0	1	1	3	24.3	53	2.4	149	24
29/12/24 16:40	0	1	1	3	24.2	52	2.9	145	22
29/12/24 16:45	0	1	1	2	24.1	53	2.3	162	25
29/12/24 16:50	0	1	1	2	24.3	53	1.8	155	31
29/12/24 16:55	0	1	1	3	24.4	54	1.8	154	34
29/12/24 17:00	0	1	1	3	24.4	54	2.9	157	24
29/12/24 17:05	0	1	1	2	24.2	54	3.2	161	18
29/12/24 17:10	0	1	1	2	24.2	55	3.1	172	16
29/12/24 17:15	0	1	1	2	24.4	56	2.6	176	16
29/12/24 17:20	0	1	1	2	24.3	57	3.7	179	13
29/12/24 17:25	0	1	1	2	23.8	58	3.5	175	14
29/12/24 17:30	0	1	1	2	23.7	60	4.0	177	12
29/12/24 17:35	0	1	2	3	23.5	63	4.0	178	12
29/12/24 17:40	1	2	2	3	23.2	63	4.5	178	12
29/12/24 17:45	1	2	3	3	23.1	65	4.1	179	12
29/12/24 17:50	1	2	3	3	22.8	66	4.9	179	11
29/12/24 17:55	1	3	4	3	22.7	66	5.6	182	11
29/12/24 18:00	1	2	3	3	22.6	66	5.1	183	10
29/12/24 18:05	1	1	2	3	22.6	67	5.1	181	10
29/12/24 18:10	1	1	2	3	22.6	68	4.6	184	11
29/12/24 18:15	1	1	2	3	22.4	67	5.3	182	11
29/12/24 18:20	1	1	2	3	22.2	68	5.1	178	11
29/12/24 18:25	1	1	2	3	22.2	68	4.8	181	12
29/12/24 18:30	1	2	2	3	22.1	69	5.5	176	12
29/12/24 18:35	1	2	2	3	21.8	69	4.7	176	11
29/12/24 18:40	1	2	2	3	21.8	70	4.5	176	13
29/12/24 18:45	1	2	3	3	21.7	69	5.3	176	11
29/12/24 18:50	1	2	2	2	21.6	70	5.6	177	11
29/12/24 18:55	1	3	5	2	21.5	71	5.7	179	9
29/12/24 19:00	2	2	4	2	21.4	71	4.9	178	9
29/12/24 19:05	1	0	2	3	21.3	71	5.8	177	9
29/12/24 19:10	1	1	2	3	21.1	72	5.9	178	11
29/12/24 19:15	1	1	2	3	21.1	71	5.8	178	11
29/12/24 19:20	1	1	1	3	21.1	71	6.1	178	9
29/12/24 19:25	0	1	1	2	21.0	73	5.1	177	11
29/12/24 19:30	0	1	1	2	20.9	70	6.3	178	10
29/12/24 19:35	0	1	1	3	20.8	72	5.7	178	9
29/12/24 19:40	0	1	1	3	20.9	71	4.8	178	12
29/12/24 19:45	0	1	1	3	20.9	73	4.5	175	13
29/12/24 19:50	0	1	1	3	20.8	74	5.1	178	13
29/12/24 19:55	0	1	0	3	20.7	74	4.3	178	13
29/12/24 20:00	0	1	1	2	20.7	74	4.7	178	13
29/12/24 20:05	0	1	0	2	20.6	75	4.6	177	13
29/12/24 20:10	0	1	0	2	20.7	76	3.9	176	14
29/12/24 20:15	0	0	0	3	20.7	76	3.2	175	16
29/12/24 20:20	0	0	0	3	20.7	76	3.1	173	17
29/12/24 20:25	0	0	0	3	20.7	76	3.0	165	20
29/12/24 20:30	0	0	0	3	20.8	74	3.4	165	18
29/12/24 20:35	0	0	0	3	20.7	72	4.1	134	21
29/12/24 20:40	0	1	1	2	20.6	72	4.7	124	16
29/12/24 20:45	0	1	1	2	20.5	70	4.1	107	12
29/12/24 20:50	0	1	1	2	20.6	70	3.8	105	13
29/12/24 20:55	0	1	1	2	20.5	70	4.5	104	7
29/12/24 21:00	0	1	1	2	20.5	71	5.0	101	6

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
29/12/24 21:05	0	1	2	3	20.4	71	5.9	100	4
29/12/24 21:10	0	1	2	3	20.3	72	5.4	101	5
29/12/24 21:15	0	2	2	3	20.2	72	3.8	108	10
29/12/24 21:20	0	2	2	3	20.2	73	3.8	103	10
29/12/24 21:25	0	2	2	3	20.1	72	4.0	100	10
29/12/24 21:30	0	2	2	3	20.0	73	3.6	97	9
29/12/24 21:35	0	2	2	3	19.8	73	4.3	97	7
29/12/24 21:40	0	2	2	3	19.7	74	4.2	107	8
29/12/24 21:45	0	2	2	3	19.8	75	3.8	106	10
29/12/24 21:50	0	2	2	3	19.5	74	3.3	110	14
29/12/24 21:55	0	2	2	2	19.6	75	4.8	104	7
29/12/24 22:00	0	2	2	2	19.6	74	4.4	103	9
29/12/24 22:05	0	2	2	2	19.5	76	3.9	95	6
29/12/24 22:10	0	2	2	2	19.4	76	3.8	104	10
29/12/24 22:15	0	2	2	2	19.4	76	2.6	112	20
29/12/24 22:20	0	2	2	2	19.4	78	2.7	108	18
29/12/24 22:25	0	2	2	3	19.3	77	3.2	118	14
29/12/24 22:30	0	2	2	3	19.1	77	2.5	116	17
29/12/24 22:35	0	2	1	3	19.2	77	2.5	113	15
29/12/24 22:40	0	2	1	2	19.2	78	3.0	114	13
29/12/24 22:45	0	2	2	3	19.0	78	3.0	112	14
29/12/24 22:50	0	2	2	3	19.0	78	2.5	118	14
29/12/24 22:55	0	2	2	2	19.1	79	2.8	104	19
29/12/24 23:00	0	2	2	2	19.1	79	4.4	102	6
29/12/24 23:05	0	2	2	2	19.0	78	3.2	108	11
29/12/24 23:10	0	2	2	2	19.0	78	3.1	106	10
29/12/24 23:15	0	2	2	2	18.9	78	2.5	106	14
29/12/24 23:20	0	2	2	3	18.9	77	2.5	114	12
29/12/24 23:25	0	2	2	3	18.9	78	2.9	107	13
29/12/24 23:30	0	3	3	3	18.8	78	3.0	112	13
29/12/24 23:35	0	3	3	3	18.8	79	2.7	111	14
29/12/24 23:40	0	4	4	2	18.8	80	3.1	110	15
29/12/24 23:45	0	4	4	2	18.8	80	2.2	114	20
29/12/24 23:50	0	5	5		18.7	80	2.3	104	14
29/12/24 23:55	0	5	5		18.7	81	2.2	105	14
30/12/24 00:00	0	5	5	2	18.7	80	3.2	106	9
30/12/24 00:05	0	5	5	2	18.7	81	2.8	98	10
30/12/24 00:10	0	5	5	2	18.6	80	2.8	96	8
30/12/24 00:15	0	5	5	1	18.6	80	3.1	98	7
30/12/24 00:20	0	5	5	1	18.6	79	2.6	99	8
30/12/24 00:25	0	5	5	1	18.5	79	2.3	94	10
30/12/24 00:30	0	6	6	1	18.4	79	2.8	94	9
30/12/24 00:35	0	6	6	2	18.6	79	2.6	102	10
30/12/24 00:40	0	6	6	2	18.5	78	2.3	105	11
30/12/24 00:45	0	6	6	2	18.5	78	2.0	104	15
30/12/24 00:50	0	6	6	2	18.4	78	1.7	90	13
30/12/24 00:55	0	6	6	2	18.3	77	1.8	104	17
30/12/24 01:00	0	5	6	2	18.3	79	2.2	106	13
30/12/24 01:05					18.4	78	1.6	121	15
30/12/24 01:10					18.4	78	1.6	117	18
30/12/24 01:15					18.3	79	1.7	125	17
30/12/24 01:20					18.2	79	1.6	127	19
30/12/24 01:25					18.3	79	1.8	120	15
30/12/24 01:30					18.2	79	1.6	133	21
30/12/24 01:35					18.2	78	1.7	117	17
30/12/24 01:40					18.3	79	1.7	123	21
30/12/24 01:45					18.3	78	1.7	123	17
30/12/24 01:50					18.3	78	1.7	137	20
30/12/24 01:55					18.3	78	1.9	134	17
30/12/24 02:00					18.5	78	2.1	136	21
30/12/24 02:05	0	4	4	2	18.4	77	1.8	124	17
30/12/24 02:10	0	4	4	2	18.3	77	2.2	119	17
30/12/24 02:15	0	3	4	2	18.4	78	1.8	100	17
30/12/24 02:20	0	3	4	2	18.2	78	2.3	99	8
30/12/24 02:25	0	3	3	2	18.2	78	2.0	94	10
30/12/24 02:30	0	4	4	2	18.2	79	2.1	104	12
30/12/24 02:35	0	4	4	2	18.2	78	2.1	104	12
30/12/24 02:40	0	4	5	2	18.2	77	1.7	116	16
30/12/24 02:45	0	5	5	2	18.1	77	1.6	108	14
30/12/24 02:50	0	6	6	2	18.2	76	2.1	98	6
30/12/24 02:55	0	7	7	2	18.2	76	1.7	88	7
30/12/24 03:00	0	8	8	2	18.1	76	1.2	81	13
30/12/24 03:05	0	8	9	2	18.0	75	1.3	85	11
30/12/24 03:10	0	8	9	2	18.0	75	0.9	85	13
30/12/24 03:15	0	8	8	2	18.0	75	1.0	84	8
30/12/24 03:20	0	7	8	2	18.0	75	1.1	80	10
30/12/24 03:25	0	7	7	2	18.1	76	1.1	87	22
30/12/24 03:30	0	6	7	2	18.0	77	0.7	106	36
30/12/24 03:35	0	6	6	2	18.0	76	1.4	121	19
30/12/24 03:40	0	5	5	2	18.1	77	1.2	113	20
30/12/24 03:45	0	5	5	2	18.1	77	1.1	158	26
30/12/24 03:50	0	5	5	2	18.2	77	1.6	143	23
30/12/24 03:55	0	4	4	2	18.2	77	1.2	131	25
30/12/24 04:00	0	3	3	2	18.3	78	1.3	147	23

Station Pier Ambient Air Quality Monitoring

December 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 (°)
30/12/24 04:05	0	3	3	2	18.1	77	1.3	124	17
30/12/24 04:10	0	3	3	2	18.1	77	1.0	120	16
30/12/24 04:15	0	2	3	2	18.2	77	1.3	118	18
30/12/24 04:20	0	2	2	2	18.0	76	1.5	75	12
30/12/24 04:25	0	3	3	2	17.8	76	1.1	74	11
30/12/24 04:30	0	3	4	2	17.7	77	1.3	75	13
30/12/24 04:35	0	4	4	2	17.6	77	1.1	84	13
30/12/24 04:40	0	4	4	2	17.6	77	0.9	77	12
30/12/24 04:45	0	4	4	2	17.6	77	0.6	61	23
30/12/24 04:50	0	4	4	2	17.7	78	0.8	60	13
30/12/24 04:55	0	5	5	2	17.6	78	0.4	58	23
30/12/24 05:00	0	5	5	2	17.6	79	0.8	129	20
30/12/24 05:05	1	5	6	2	17.6	79	0.8	57	23
30/12/24 05:10	1	6	7	2	17.4	79	0.7	28	15
30/12/24 05:15	1	6	8	2	17.4	79	0.5	42	22
30/12/24 05:20	2	7	9	2	17.4	78	1.1	50	8
30/12/24 05:25	2	7	9	2	17.4	78	1.1	49	10
30/12/24 05:30	2	8	10	2	17.4	78	0.9	58	10
30/12/24 05:35	3	9	11	2	17.6	77	1.0	55	11
30/12/24 05:40	5	9	14	2	17.6	77	0.9	62	17
30/12/24 05:45	4	8	12	2	17.8	77	1.2	81	13
30/12/24 05:50	3	5	9	2	18.1	75	1.4	86	7
30/12/24 05:55	3	5	8	2	18.1	75	1.2	65	15
30/12/24 06:00	4	7	10	2	18.1	76	1.0	54	15
30/12/24 06:05	4	7	11	2	18.3	75	1.2	49	14
30/12/24 06:10	11	10	20	2	18.6	72	1.0	57	24
30/12/24 06:15	7	6	13	2	18.7	71	1.3	42	11
30/12/24 06:20	13	9	22	2	19.0	71	0.9	56	15
30/12/24 06:25	4	3	8	2	19.3	70	0.7	72	26
30/12/24 06:30				2	19.6	69	1.1	94	7
30/12/24 06:35				2	19.7	69	1.0	90	14
30/12/24 06:40	3	1	4	2	19.8	68	0.9	81	15
30/12/24 06:45	4	2	6	2	19.8	69	0.7	112	23
30/12/24 06:50	4	4	8	2	19.9	69	0.9	105	14
30/12/24 06:55	2	3	5	2	20.0	68	0.7	124	23
30/12/24 07:00	2	4	6	2	20.2	70	0.9	187	22
30/12/24 07:05	2	1	3	2	20.0	70	0.7	194	29
30/12/24 07:10	2	1	4	2	20.1	68	0.6	144	33
30/12/24 07:15	2	1	3	1	20.5	66	0.6	160	29
30/12/24 07:20	2	1	3	2	20.9	66	0.7	159	33
30/12/24 07:25	2	2	3	2	20.7	67	0.7	178	29
30/12/24 07:30	2	2	5	2	20.5	67	0.9	176	27
30/12/24 07:35	6	3	9	2	20.7	67	1.0	158	24
30/12/24 07:40	2	1	4	2	20.9	64	1.1	159	25
30/12/24 07:45	4	6	10	2	21.0	65	1.3	158	21
30/12/24 07:50	7	7	14	2	21.0	65	1.5	174	20
30/12/24 07:55	8	3	11	2	20.9	68	2.4	195	10
30/12/24 08:00	10	7	17	2	20.3	69	2.7	192	9
30/12/24 08:05	12	6	17	2	20.0	71	2.8	194	9
30/12/24 08:10	12	13	25	2	20.1	70	1.8	169	24
30/12/24 08:15	16	10	27	2	20.7	67	1.7	173	26
30/12/24 08:20	19	5	24	2	20.7	68	2.2	187	11
30/12/24 08:25	18	11	28	2	20.6	68	2.2	191	10
30/12/24 08:30	19	13	32	2	20.7	68	1.8	185	13
30/12/24 08:35	11	8	19	2	21.0	67	1.2	169	30
30/12/24 08:40	13	8	21	3	21.2	64	1.3	156	24
30/12/24 08:45	8	7	14	3	21.3	64	1.1	152	27
30/12/24 08:50	8	6	15	2	21.4	63	1.1	141	20
30/12/24 08:55	9	6	15	2	21.5	62	1.1	162	26
30/12/24 09:00	4	5	9	2	21.5	62	1.0	158	29
30/12/24 09:05	4	4	8	2	21.6	61	1.1	144	24
30/12/24 09:10	14	2	16	2	21.6	62	1.1	156	29
30/12/24 09:15	12	15	27	2	21.6	64	1.9	195	19
30/12/24 09:20	7	6	13	2	20.7	66	2.8	206	3
30/12/24 09:25	4	4	9	3	20.2	69	2.8	204	4
30/12/24 09:30	5	5	10	3	20.1	70	2.5	205	4
30/12/24 09:35	5	5	10	3	20.1	71	3.3	205	4
30/12/24 09:40	15	6	21	3	20.1	71	3.3	201	5
30/12/24 09:45	12	7	19	3	20.2	72	3.0	201	4
30/12/24 09:50	27	12	39	3	20.2	72	2.7	202	4
30/12/24 09:55	40	13	53	3	20.4	71	3.6	201	5
30/12/24 10:00	45	17	63	3	20.5	72	3.8	196	8
30/12/24 10:05	44	9	53	2	20.5	73	4.1	200	5
30/12/24 10:10	41	13	55	2	20.3	72	3.7	204	5
30/12/24 10:15	44	18	62	3	20.5	74	3.6	197	7
30/12/24 10:20	26	10	36	3	20.6	74	3.2	191	9
30/12/24 10:25	16	15	32	3	21.0	73	3.0	191	9
30/12/24 10:30	10	10	20	2	21.3	71	3.0	186	9
30/12/24 10:35	11	9	20	2	21.6	70	2.4	183	12
30/12/24 10:40	13	9	22	2	21.8	68	2.0	161	19
30/12/24 10:45	7	8	15	2	22.3	66	1.9	155	21
30/12/24 10:50	7	9	16	2	22.7	64	1.9	153	25
30/12/24 10:55	7	7	14	2	23.0	63	1.5	149	27
30/12/24 11:00	10	9	19	3	23.2	61	1.9	157	24

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
30/12/24 11:05	4	5	9	3	23.2	62	1.7	158	28
30/12/24 11:10	4	5	8	2	23.4	62	1.7	163	25
30/12/24 11:15	5	7	12	2	23.3	62	2.1	159	22
30/12/24 11:20	18	20	37	2	23.3	62	2.1	160	22
30/12/24 11:25	30	17	46	2	23.4	63	2.1	169	20
30/12/24 11:30	17	15	32	3	23.5	62	2.3	174	16
30/12/24 11:35	34	19	53	3	23.7	60	2.6	169	18
30/12/24 11:40	33	19	52	3	23.8	61	2.7	178	14
30/12/24 11:45	39	22	60	3	23.7	62	3.2	181	9
30/12/24 11:50	40	21	62	3	23.5	63	2.8	177	12
30/12/24 11:55	34	12	46	3	23.8	62	2.6	176	14
30/12/24 12:00	31	19	49	3	23.9	61	2.3	176	16
30/12/24 12:05	15	13	28	3	24.2	61	2.6	163	19
30/12/24 12:10	6	8	13	3	24.0	62	2.5	157	23
30/12/24 12:15	4	6	10	3	23.7	63	3.1	159	14
30/12/24 12:20	8	13	21	2	23.6	64	2.8	164	20
30/12/24 12:25	6	9	15	2	23.6	64	2.6	159	21
30/12/24 12:30	8	8	16	2	23.9	64	2.7	163	19
30/12/24 12:35	15	14	29	2	24.1	63	2.9	163	16
30/12/24 12:40	17	16	33	2	24.0	63	2.9	162	19
30/12/24 12:45	18	18	35	2	24.2	63	2.9	173	16
30/12/24 12:50	19	18	37	2	24.5	62	2.6	167	21
30/12/24 12:55	32	23	56	2	24.8	61	2.5	167	18
30/12/24 13:00	6	11	17	2	24.6	62	2.9	167	16
30/12/24 13:05	18	19	37	2	24.5	63	2.4	169	21
30/12/24 13:10	19	18	37	2	24.8	64	2.4	167	19
30/12/24 13:15	28	23	51	3	24.7	64	2.5	175	18
30/12/24 13:20	27	25	53	3	25.0	63	2.2	175	15
30/12/24 13:25	10	13	23	3	24.9	63	2.8	167	20
30/12/24 13:30	6	11	17	3	24.7	65	2.7	158	18
30/12/24 13:35	5	5	10	2	24.4	65	2.5	163	18
30/12/24 13:40	5	6	11	2	24.4	64	2.4	154	25
30/12/24 13:45	10	7	17	3	24.3	66	2.5	162	18
30/12/24 13:50	19	20	39	2	24.7	64	2.5	175	20
30/12/24 13:55	28	20	49	2	25.0	60	2.7	170	14
30/12/24 14:00	13	15	29	2	25.3	60	2.6	171	17
30/12/24 14:05	13	16	30	2	25.3	60	2.8	164	21
30/12/24 14:10	5	6	11	2	25.1	60	2.7	157	17
30/12/24 14:15	5	9	14	2	25.0	60	2.8	163	16
30/12/24 14:20	6	6	12	2	25.2	58	2.9	163	19
30/12/24 14:25	8	6	14	2	25.1	59	3.0	169	15
30/12/24 14:30	9	12	21	2	25.1	61	3.1	163	19
30/12/24 14:35	6	6	12	2	25.0	63	2.8	161	18
30/12/24 14:40	3	4	7	2	25.0	63	2.5	158	23
30/12/24 14:45	11	14	25	2	25.0	63	2.9	168	18
30/12/24 14:50	9	7	16	2	24.9	63	2.6	167	18
30/12/24 14:55	8	8	16	2	24.9	63	2.6	167	18
30/12/24 15:00	10	14	24	2	24.7	63	2.5	165	16
30/12/24 15:05	9	12	20	2	24.8	63	2.1	156	26
30/12/24 15:10	8	13	22	2	24.9	63	2.0	161	26
30/12/24 15:15	4	5	9	2	25.1	62	1.9	161	26
30/12/24 15:20	4	4	8	2	25.2	61	2.5	160	20
30/12/24 15:25	9	13	22	2	25.3	61	2.5	169	17
30/12/24 15:30	20	17	37	2	25.4	61	2.5	173	19
30/12/24 15:35	27	19	46	2	25.6	60	3.0	177	19
30/12/24 15:40	21	21	42	2	25.8	59	3.1	173	16
30/12/24 15:45	16	14	30	2	25.7	59	3.0	177	17
30/12/24 15:50	47	22	69	2	24.8	63	5.4	187	5
30/12/24 15:55	57	16	73	2	24.2	66	5.4	186	5
30/12/24 16:00	57	20	77	2	23.9	67	5.3	186	6
30/12/24 16:05	60	12	72	2	23.7	70	4.1	183	9
30/12/24 16:10	81	33	115	3	23.8	69	3.1	176	14
30/12/24 16:15	40	30	71	3	24.0	68	2.7	170	18
30/12/24 16:20	33	22	55	3	24.1	68	2.8	178	17
30/12/24 16:25	54	23	77	3	24.2	69	3.4	185	10
30/12/24 16:30	59	25	84	3	24.1	69	3.7	185	9
30/12/24 16:35	52	32	84	3	23.9	69	3.8	185	10
30/12/24 16:40	34	22	56	3	23.9	70	2.5	176	19
30/12/24 16:45	37	20	57	3	24.1	70	3.7	185	9
30/12/24 16:50	32	2	34	2	23.5	69	4.8	187	5
30/12/24 16:55	41	37	78	3	23.4	70	5.2	184	5
30/12/24 17:00	34	16	50	3	23.3	70	5.1	186	5
30/12/24 17:05	30	21	51	3	23.2	72	4.9	187	5
30/12/24 17:10	5	7	12	2	23.0	74	5.5	186	6
30/12/24 17:15	21	22	42	3	22.9	73	5.3	186	7
30/12/24 17:20	8	13	21	3	22.7	74	6.9	187	6
30/12/24 17:25	2	6	9	2	22.1	78	6.8	188	6
30/12/24 17:30	3	4	7	2	22.1	76	6.0	186	6
30/12/24 17:35	2	2	4	2	22.0	74	6.7	186	6
30/12/24 17:40	1	1	2	2	22.1	75	6.5	188	5
30/12/24 17:45	1	3	3	2	22.2	71	6.9	188	6
30/12/24 17:50	2	8	10	2	22.2	70	6.6	187	5
30/12/24 17:55	2	3	5	2	22.3	71	7.3	189	6
30/12/24 18:00	1	1	3	2	22.2	70	7.0	188	8

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
30/12/24 18:05	2	1	3	2	22.2	72	7.0	188	6
30/12/24 18:10	2	1	3	2	22.2	72	7.2	188	7
30/12/24 18:15	2	3	5	2	22.1	72	7.3	187	5
30/12/24 18:20	4	19	23	2	22.0	72	7.4	188	6
30/12/24 18:25	4	6	10	2	21.8	73	7.2	186	6
30/12/24 18:30	3	2	6	2	21.7	74	7.4	190	6
30/12/24 18:35	5	6	11	2	21.5	72	7.4	186	6
30/12/24 18:40	9	4	14	2	21.4	72	6.8	185	6
30/12/24 18:45	3	2	6	2	21.3	73	7.4	186	6
30/12/24 18:50	2	2	4	2	21.2	73	7.1	187	6
30/12/24 18:55	4	4	8	2	21.2	74	7.1	186	5
30/12/24 19:00	4	2	6	2	21.0	74	7.1	187	8
30/12/24 19:05	4	1	5	2	21.0	75	7.2	186	7
30/12/24 19:10	2	2	3	2	21.0	74	7.4	188	7
30/12/24 19:15	3	3	6	2	20.9	74	7.6	183	5
30/12/24 19:20				2	20.8	76	7.2	187	8
30/12/24 19:25	3	3	6	2	20.9	76	7.2	185	7
30/12/24 19:30	4	3	8	2	20.8	74	7.7	187	6
30/12/24 19:35	2	2	4	2	20.7	75	7.2	188	6
30/12/24 19:40	27	4	32	2	20.6	74	6.5	184	7
30/12/24 19:45	7	1	7	2	20.6	76	6.6	188	6
30/12/24 19:50	15	15	30	2	20.5	76	6.8	186	6
30/12/24 19:55	3	3	6	2	20.4	76	6.7	188	6
30/12/24 20:00				2	20.2	76	6.2	185	6
30/12/24 20:05	45	8	53	2	20.3	78	6.0	185	7
30/12/24 20:10	107	26	133	3	20.2	77	5.9	185	7
30/12/24 20:15	117	17	134	3	20.3	75	5.8	186	7
30/12/24 20:20	101	26	128	3	20.4	76	5.2	186	6
30/12/24 20:25	116	16	132	3	20.2	76	5.2	186	7
30/12/24 20:30	102	12	114	3	20.3	79	3.3	181	14
30/12/24 20:35	76	11	87	3	20.5	78	3.3	183	12
30/12/24 20:40	79	14	93	3	20.3	78	4.4	185	7
30/12/24 20:45	85	12	97	2	20.3	78	3.6	180	14
30/12/24 20:50	50	17	68	2	20.4	78	2.5	173	19
30/12/24 20:55	23	12	36	2	20.4	78	2.9	157	22
30/12/24 21:00	1	1	1	2	20.2	78	3.1	143	21
30/12/24 21:05	1	1	2	2	20.3	79	2.3	151	24
30/12/24 21:10	1	1	2	2	20.2	78	3.2	141	18
30/12/24 21:15	2	1	2	2	20.0	77	3.2	143	20
30/12/24 21:20	1	1	2	2	20.0	78	2.8	146	22
30/12/24 21:25	1	1	2	2	20.0	78	3.0	139	19
30/12/24 21:30	1	1	2	2	19.9	78	3.6	129	13
30/12/24 21:35	0	1	1	2	19.8	78	3.4	133	19
30/12/24 21:40	0	1	1	2	19.8	78	3.1	133	18
30/12/24 21:45	0	1	1	2	19.8	79	3.2	141	21
30/12/24 21:50	0	1	1	2	19.9	78	2.3	153	27
30/12/24 21:55	0	1	1	2	19.9	78	3.0	144	22
30/12/24 22:00	0	1	1	2	20.0	78	2.3	155	27
30/12/24 22:05	0	1	1	2	19.9	77	2.3	157	28
30/12/24 22:10	0	1	1	2	20.1	77	2.4	164	23
30/12/24 22:15	0	1	1	2	20.0	76	3.3	146	23
30/12/24 22:20	0	1	1	2	20.1	77	3.0	147	23
30/12/24 22:25	0	1	1	2	20.0	78	2.5	165	18
30/12/24 22:30	0	1	1	2	20.1	78	3.0	154	23
30/12/24 22:35	0	1	1	2	20.0	78	3.0	159	25
30/12/24 22:40	0	1	1	2	20.0	79	3.6	143	20
30/12/24 22:45	0	1	1	2	20.0	79	2.8	153	24
30/12/24 22:50	0	1	1	2	19.8	77	4.3	134	11
30/12/24 22:55	0	1	1	2	19.7	79	4.5	130	14
30/12/24 23:00	0	0	1	2	19.6	79	4.1	128	12
30/12/24 23:05	0	0	1	2	19.6	79	3.0	141	23
30/12/24 23:10	0	0	1	2	19.6	79	3.2	141	19
30/12/24 23:15	0	0	0	2	19.6	78	4.2	133	12
30/12/24 23:20	0	1	0	2	19.6	78	2.9	126	19
30/12/24 23:25	0	1	1	2	19.5	78	3.0	123	19
30/12/24 23:30	0	1	1	2	19.6	78	3.0	126	19
30/12/24 23:35	0	1	1	2	19.5	78	2.7	132	20
30/12/24 23:40	0	1	1	2	19.6	78	2.6	129	19
30/12/24 23:45	0	1	1	2	19.5	78	2.7	138	21
30/12/24 23:50	0	1	1		19.6	78	2.3	144	24
30/12/24 23:55	0	1	1		19.7	78	2.4	120	23
31/12/24 00:00	0	1	1	2	19.6	78	2.3	134	20
31/12/24 00:05	0	1	1	2	19.6	78	2.4	135	18
31/12/24 00:10	0	1	1	2	19.5	78	2.7	133	19
31/12/24 00:15	0	1	1	2	19.5	78	2.6	121	19
31/12/24 00:20	0	1	1	2	19.4	78	2.1	114	18
31/12/24 00:25	0	1	1	2	19.5	78	2.2	114	20
31/12/24 00:30	0	1	1	2	19.6	78	2.9	118	17
31/12/24 00:35	0	1	1	2	19.5	78	2.2	115	21
31/12/24 00:40	0	1	1	2	19.5	78	1.7	113	23
31/12/24 00:45	0	1	1	2	19.6	78	2.1	126	23
31/12/24 00:50	0	1	1	2	19.5	78	1.8	131	26
31/12/24 00:55	0	1	1	2	19.5	78	1.9	114	18
31/12/24 01:00	0	1	1	2	19.5	78	2.1	122	21

Station Pier Ambient Air Quality Monitoring									
December 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 (°)
31/12/24 01:05					19.4	77	1.9	125	24
31/12/24 01:10					19.5	78	2.1	116	20
31/12/24 01:15					19.5	77	2.5	117	17
31/12/24 01:20					19.4	77	2.1	119	19
31/12/24 01:25					19.4	76	2.1	126	25
31/12/24 01:30					19.4	76	2.2	94	10
31/12/24 01:35					19.6	77	2.1	99	17
31/12/24 01:40					19.7	77	2.2	99	8
31/12/24 01:45					19.6	76	2.0	88	13
31/12/24 01:50					19.5	75	1.4	86	15
31/12/24 01:55					19.5	75	1.9	82	13
31/12/24 02:00					19.4	75	1.7	84	14
31/12/24 02:05	0	1	1	2	19.4	75	1.8	84	14
31/12/24 02:10	0	1	1	2	19.4	75	2.0	73	10
31/12/24 02:15	0	1	1	2	19.3	75	1.6	79	12
31/12/24 02:20	0	1	2	2	19.4	75	2.0	92	10
31/12/24 02:25	0	1	2	1	19.5	75	2.4	99	10
31/12/24 02:30	0	1	2	2	19.5	75	2.4	93	10
31/12/24 02:35	0	1	2	2	19.4	74	2.4	93	11
31/12/24 02:40	0	1	1	2	19.4	74	2.7	96	7
31/12/24 02:45	0	1	1	2	19.4	74	2.4	87	10
31/12/24 02:50	0	1	1	2	19.4	73	2.5	86	8
31/12/24 02:55	0	1	1	2	19.4	74	2.3	96	9
31/12/24 03:00	0	1	1	2	19.5	74	2.4	95	7
31/12/24 03:05	0	1	1	1	19.5	74	2.1	91	10
31/12/24 03:10	0	1	2	2	19.4	74	2.6	92	7
31/12/24 03:15	0	1	2	2	19.3	74	2.2	106	17
31/12/24 03:20	0	1	1	2	19.5	75	3.1	99	6
31/12/24 03:25	0	1	1	2	19.4	74	2.1	89	11
31/12/24 03:30	0	1	1	2	19.3	74	2.1	91	8
31/12/24 03:35	0	1	1	1	19.2	74	2.1	96	8
31/12/24 03:40	0	2	2	1	19.3	74	2.2	84	11
31/12/24 03:45	0	2	2	2	19.1	74	2.4	90	6
31/12/24 03:50	0	2	3	2	19.2	74	2.0	85	8
31/12/24 03:55	0	3	3	2	19.1	74	1.4	76	13
31/12/24 04:00	0	3	3	2	19.1	75	1.6	77	11
31/12/24 04:05	0	3	3	2	19.0	75	1.6	78	9
31/12/24 04:10	0	3	3	2	19.0	76	1.7	87	11
31/12/24 04:15	0	3	3	2	18.9	76	1.9	85	8
31/12/24 04:20	0	3	4	2	18.8	76	1.5	80	10
31/12/24 04:25	0	4	4	2	18.8	77	1.5	73	12
31/12/24 04:30	0	4	4	2	18.7	77	1.3	66	10
31/12/24 04:35	0	4	5	2	18.7	77	0.9	61	14
31/12/24 04:40	0	5	5	2	18.8	77	1.1	70	11
31/12/24 04:45	0	5	5	2	18.7	78	1.4	72	10
31/12/24 04:50	0	5	6	2	18.8	78	1.5	81	13
31/12/24 04:55	0	5	6	2	18.8	78	1.8	82	9
31/12/24 05:00	0	5	6	2	18.7	78	1.3	76	12
31/12/24 05:05	0	5	6	1	18.7	78	1.4	78	8
31/12/24 05:10	0	6	6	1	18.7	78	1.9	81	10
31/12/24 05:15	0	6	6	1	18.7	79	1.8	72	10
31/12/24 05:20	0	6	6	2	18.7	79	1.6	75	9
31/12/24 05:25	0	6	6	2	18.8	79	1.3	65	16
31/12/24 05:30	0	6	6	2	18.7	79	1.4	69	12
31/12/24 05:35	0	6	6	2	18.7	79	1.3	77	10
31/12/24 05:40	0	6	6	2	18.7	79	1.4	75	12
31/12/24 05:45	0	6	6	2	18.8	79	1.6	87	9
31/12/24 05:50	0	5	6	2	18.8	79	1.6	91	7
31/12/24 05:55	1	5	6	2	18.9	78	0.9	80	20
31/12/24 06:00	1	5	6	2	19.3	77	1.3	90	9
31/12/24 06:05	1	5	6	2	19.6	75	1.5	88	8
31/12/24 06:10	1	5	6	2	19.7	74	1.3	82	12
31/12/24 06:15	2	5	6	2	19.8	74	1.5	96	8
31/12/24 06:20	2	4	6	2	20.0	73	1.4	98	9
31/12/24 06:25	3	4	7	2	20.2	71	1.5	101	10
31/12/24 06:30	2	3	6	2	20.4	71	1.0	116	19
31/12/24 06:35	2	3	6	2	20.3	70	1.1	112	22
31/12/24 06:40	2	4	5	2	20.2	70	1.2	103	17
31/12/24 06:45	2	3	5	2	20.2	71	1.8	95	8
31/12/24 06:50	1	3	4	2	20.3	71	1.9	102	7
31/12/24 06:55	1	3	4	2	20.3	71	2.1	98	5
31/12/24 07:00	1	3	4	2	20.1	72	2.2	94	6
31/12/24 07:05	1	3	4	2	20.0	71	1.8	96	6
31/12/24 07:10	1	3	4	2	20.0	72	1.2	99	14
31/12/24 07:15	1	3	4	2	20.5	70	1.2	131	15
31/12/24 07:20	1	2	4	2	20.9	68	1.0	127	15
31/12/24 07:25	1	2	4	2	21.3	66	0.7	131	31
31/12/24 07:30	1	2	3	2	21.3	65	0.6	140	24
31/12/24 07:35	1	2	3	2	21.2	66	0.7	160	28
31/12/24 07:40	1	2	3	2	21.1	67	0.8	167	29
31/12/24 07:45	1	2	3	2	20.9	70	1.8	192	9
31/12/24 07:50	1	2	3	2	20.5	71	2.6	191	7
31/12/24 07:55	1	2	3	2	20.2	74	3.1	192	5
31/12/24 08:00	1	2	3	2	20.3	74	2.5	191	9

Station Pier Ambient Air Quality Monitoring
December 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 (°)
31/12/24 08:05	1	2	3	2	20.9	73	2.6	186	10
31/12/24 08:10	1	2	3	2	20.9	71	2.6	179	13
31/12/24 08:15	1	2	2	2	21.0	71	2.3	169	19
31/12/24 08:20	1	2	2	2	21.3	70	2.3	164	22
31/12/24 08:25	1	1	2	2	21.6	67	2.4	163	20
31/12/24 08:30	0	1	2	2	21.7	66	2.3	172	19
31/12/24 08:35	0	1	1	2	21.8	67	2.3	169	17
31/12/24 08:40	0	1	1	2	21.8	65	2.1	154	27
31/12/24 08:45	0	1	1	2	21.7	66	2.1	164	22
31/12/24 08:50	0	1	1	2	21.9	65	2.4	164	19
31/12/24 08:55	0	1	2	2	21.9	64	2.5	174	17
31/12/24 09:00	1	1	2	2	21.7	63	2.8	178	13
31/12/24 09:05	0	1	2	2	21.5	64	3.0	183	10
31/12/24 09:10	1	1	2	2	21.6	66	2.8	181	15
31/12/24 09:15	1	1	2	2	21.5	65	3.1	179	13
31/12/24 09:20	1	1	2	2	21.6	64	2.9	175	15
31/12/24 09:25	1	1	2	2	21.8	64	2.7	172	21
31/12/24 09:30	0	1	2	2	22.0	63	2.7	173	21
31/12/24 09:35	0	1	1	2	21.8	65	2.7	175	19
31/12/24 09:40	0	1	1	2	21.9	65	3.2	179	15
31/12/24 09:45	0	1	1	2	22.0	64	2.7	181	14
31/12/24 09:50	0	1	1	2	21.9	63	2.9	179	16
31/12/24 09:55	0	1	1	2	21.8	64	2.9	179	14
31/12/24 10:00	0	1	1	1	21.8	65	2.6	174	16
31/12/24 10:05	0	1	1	2	22.1	65	3.3	182	13
31/12/24 10:10	0	1	1	2	21.7	67	3.5	184	12
31/12/24 10:15	0	1	1	2	21.5	68	3.3	184	13
31/12/24 10:20	0	1	1	2	21.5	67	3.3	178	12
31/12/24 10:25	0	1	1	2	21.6	67	3.1	182	11
31/12/24 10:30	1	1	2	2	21.5	67	3.5	185	10
31/12/24 10:35	1	1	2	2	21.4	67	3.2	185	11
31/12/24 10:40	1	2	3	2	21.4	66	3.5	190	9
31/12/24 10:45	2	2	3	2	21.2	66	3.6	191	10
31/12/24 10:50	2	2	4	2	21.2	67	3.8	193	9
31/12/24 10:55	2	2	4	2	21.1	66	4.2	194	8
31/12/24 11:00	2	3	5	2	21.0	66	3.8	192	8
31/12/24 11:05	3	3	6	2	21.2	67	3.8	194	11
31/12/24 11:10	3	3	6	2	21.3	67	3.6	187	12
31/12/24 11:15	3	3	6	2	21.3	65	3.9	189	11
31/12/24 11:20	4	3	7	2	21.5	64	3.3	183	13
31/12/24 11:25	5	3	8	2	21.7	64	3.9	192	8
31/12/24 11:30	4	3	7	2	21.3	65	4.1	194	9
31/12/24 11:35	4	4	8	2	21.4	65	3.5	185	10
31/12/24 11:40	3	4	7	2	21.8	63	3.6	188	12
31/12/24 11:45	3	3	6	2	21.8	63	3.2	184	10
31/12/24 11:50	2	2	4	2	22.1	63	3.7	183	13
31/12/24 11:55	2	2	3	2	21.9	63	3.9	186	9
31/12/24 12:00	1	1	3	2	21.9	63	3.5	184	10
31/12/24 12:05	1	2	3	2	21.8	65	3.9	188	9
31/12/24 12:10	2	3	5	2	21.8	63	3.7	179	13
31/12/24 12:15	2	3	5	2	22.1	62	4.2	185	10
31/12/24 12:20	2	3	5	2	22.2	62	3.3	185	11
31/12/24 12:25	2	3	5	2	22.4	60	3.7	181	10
31/12/24 12:30	2	3	5	2	22.5	60	3.7	184	13
31/12/24 12:35	2	3	5	2	22.5	61	3.4	183	13
31/12/24 12:40	2	3	5	2	22.6	61	3.8	183	11
31/12/24 12:45	2	3	5	2	22.4	60	3.8	184	11
31/12/24 12:50	2	3	6	1	22.4	61	4.0	186	10
31/12/24 12:55	3	3	6	2	22.5	60	3.8	181	11
31/12/24 13:00	2	3	5	2	22.6	63	3.5	184	11
31/12/24 13:05	2	3	5	2	22.6	61	3.3	180	11
31/12/24 13:10	2	2	3	1	22.8	61	3.5	179	13
31/12/24 13:15	1	1	3	2	23.0	60	3.5	178	13
31/12/24 13:20	1	1	2	1	23.1	60	3.4	178	12
31/12/24 13:25	1	1	2	1	23.4	59	3.0	176	16
31/12/24 13:30	1	2	3	2	23.4	59	3.4	177	13
31/12/24 13:35	1	1	3	2	23.5	59	3.3	172	17
31/12/24 13:40	1	1	2	2	23.4	60	3.3	179	13
31/12/24 13:45	1	1	2	2	23.3	61	3.7	175	14
31/12/24 13:50	1	1	1	2	23.5	60	3.1	171	17
31/12/24 13:55	0	1	1	2	23.7	58	3.5	166	17
31/12/24 14:00	0	1	1	2	23.6	58	3.3	169	20
31/12/24 14:05	0	1	1	2	23.8	59	3.5	166	17
31/12/24 14:10	0	1	1	2	23.6	58	3.5	162	18
31/12/24 14:15	0	1	1	2	23.7	58	2.6	163	25
31/12/24 14:20	0	1	1	2	23.7	57	3.4	161	20
31/12/24 14:25	0	1	1	2	23.6	57	3.3	160	18
31/12/24 14:30	0	1	1	1	23.8	58	2.9	165	20
31/12/24 14:35	0	1	1	1	23.9	58	3.7	168	16
31/12/24 14:40	0	1	1	1	24.0	59	3.6	169	16
31/12/24 14:45	0	1	1	2	24.0	58	3.2	166	18
31/12/24 14:50	0	1	1	2	24.2	59	3.2	169	17
31/12/24 14:55	0	1	1	2	24.1	57	3.3	170	18
31/12/24 15:00	0	1	1	2	24.1	56	3.1	169	16

Station Pier Ambient Air Quality Monitoring

December 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 (°)
31/12/24 15:05	0	1	1	2	24.3	56	3.0	169	21
31/12/24 15:10	0	1	1	2	24.3	57	3.1	176	15
31/12/24 15:15	0	1	1	2	24.2	59	3.4	175	16
31/12/24 15:20	0	1	1	2	24.1	57	3.1	178	13
31/12/24 15:25	0	1	1	1	24.0	58	3.5	182	13
31/12/24 15:30	0	1	2	2	24.0	58	3.3	179	14
31/12/24 15:35	1	1	2	2	23.9	59	3.6	179	15
31/12/24 15:40	1	1	2	1	24.0	58	3.8	177	13
31/12/24 15:45	1	1	2	1	23.9	60	3.8	179	13
31/12/24 15:50	1	1	2	2	23.8	59	4.2	180	11
31/12/24 15:55	0	1	2	2	23.7	60	4.2	180	11
31/12/24 16:00	0	1	2	2	23.8	60	4.1	181	13
31/12/24 16:05	4	13	17	2	24.0	59	4.1	184	12
31/12/24 16:10	9	13	22	2	24.2	59	3.9	182	13
31/12/24 16:15	13	10	23	2	24.0	57	5.0	184	8
31/12/24 16:20	8	3	11	2	23.6	56	4.5	183	11
31/12/24 16:25	6	6	12	2	23.7	55	5.0	183	9
31/12/24 16:30	16	19	35	2	23.7	57	4.9	184	10
31/12/24 16:35	18	8	26	2	23.5	60	5.0	184	10
31/12/24 16:40	55	18	72	2	23.6	58	4.7	185	10
31/12/24 16:45	110	19	129	2	23.6	60	4.7	186	10
31/12/24 16:50	121	32	153	2	23.5	62	5.1	186	9
31/12/24 16:55	152	19	171	3	23.3	62	4.9	186	9
31/12/24 17:00	139	30	169	3	23.3	63	4.8	186	11
31/12/24 17:05	191	27	218	3	23.2	61	4.7	190	11
31/12/24 17:10	235	6	241	3	23.1	62	4.9	187	11
31/12/24 17:15	145	25	170	3	23.0	64	4.5	189	11
31/12/24 17:20	215	23	239	3	23.0	63	4.8	190	10
31/12/24 17:25	165	20	185	3	22.9	63	4.9	188	9
31/12/24 17:30	123	24	147	3	23.0	64	5.3	185	9
31/12/24 17:35	169	31	200	3	22.9	62	5.1	186	9
31/12/24 17:40	137	22	160	3	22.9	62	5.4	185	9
31/12/24 17:45	104	8	112	3	22.7	61	6.2	184	8
31/12/24 17:50	60	12	72	3	22.5	62	6.2	184	8
31/12/24 17:55	23	5	29	3	22.4	64	6.2	181	8
31/12/24 18:00	24	8	32	2	22.3	66	6.2	183	8
31/12/24 18:05	60	2	62	2	22.1	66	6.5	183	9
31/12/24 18:10	34	11	45	2	22.0	68	6.3	184	9
31/12/24 18:15	102	22	124	2	22.1	67	6.0	185	8
31/12/24 18:20	45	11	56	3	22.1	68	6.9	185	8
31/12/24 18:25	40	7	47	3	21.9	68	6.2	184	8
31/12/24 18:30	17	6	23	3	22.0	69	6.6	181	8
31/12/24 18:35	64	13	77	3	21.8	69	6.1	184	9
31/12/24 18:40	44	16	60	2	21.8	69	6.4	182	9
31/12/24 18:45	131	8	138	2	21.8	69	5.8	184	9
31/12/24 18:50	4	3	7	3	21.9	66	4.7	182	11
31/12/24 18:55	1	2	3	3	22.2	66	5.4	180	9
31/12/24 19:00	0	2	2	2	21.9	66	5.6	178	13
31/12/24 19:05	0	1	2	2	21.8	68	4.6	178	14
31/12/24 19:10	0	1	1	2	21.8	69	4.7	176	14
31/12/24 19:15	0	1	1	2	21.5	67	5.6	183	11
31/12/24 19:20	0	1	1	2	21.4	69	5.1	176	12
31/12/24 19:25	0	1	1	2	21.4	70	3.6	170	18
31/12/24 19:30	0	1	1	2	21.3	70	3.9	163	20
31/12/24 19:35	0	1	1	2	21.2	71	3.8	175	15
31/12/24 19:40	1	9	10	2	21.1	71	3.7	175	17
31/12/24 19:45	27	14	40	2	20.8	71	3.2	165	25
31/12/24 19:50	36	14	50	2	20.8	71	3.5	160	22
31/12/24 19:55	17	8	26	2	20.6	73	3.1	162	23
31/12/24 20:00	6	2	8	2	20.5	72	3.0	156	24
31/12/24 20:05	7	8	15	2	20.4	72	3.0	164	24
31/12/24 20:10	9	5	13	2	20.4	72	3.4	148	26
31/12/24 20:15	2	1	2	2	20.1	72	3.7	148	21
31/12/24 20:20	1	1	2	2	20.3	74	2.5	159	28
31/12/24 20:25	0	1	1	2	20.2	71	3.6	152	22
31/12/24 20:30	0	1	1	2	20.2	73	3.1	159	18
31/12/24 20:35	0	1	1	2	20.2	73	2.9	157	27
31/12/24 20:40	0	1	1	2	20.1	74	3.0	162	22
31/12/24 20:45	0	1	1	2	20.1	76	3.6	170	18
31/12/24 20:50	0	1	1	2	20.0	75	4.7	141	15
31/12/24 20:55	0	1	1	1	19.8	76	2.7	152	27
31/12/24 21:00	0	1	1	1	19.7	76	4.9	132	13
31/12/24 21:05	0	1	1	2	19.5	76	4.2	140	21
31/12/24 21:10	0	1	1	2	19.6	75	3.2	154	21
31/12/24 21:15	0	1	1	2	19.5	75	3.9	144	19
31/12/24 21:20	0	1	1	1	19.4	76	3.1	150	24
31/12/24 21:25	0	1	2	1	19.4	76	4.2	139	15
31/12/24 21:30	1	1	2	2	19.3	76	4.6	129	12
31/12/24 21:35	1	1	2	1	19.1	76	4.7	134	11
31/12/24 21:40	1	1	2	2	19.1	77	3.8	140	16
31/12/24 21:45	1	1	1	2	19.2	77	3.3	142	21
31/12/24 21:50	0	1	1	2	19.0	76	3.6	137	18
31/12/24 21:55	0	1	1	2	19.1	77	3.7	140	17
31/12/24 22:00	0	1	1	2	19.1	75	4.2	135	13

Station Pier Ambient Air Quality Monitoring
December 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 (°)
31/12/24 22:05	0	1	1	2	19.1	76	3.4	134	17
31/12/24 22:10	0	1	1	2	19.0	76	3.8	127	14
31/12/24 22:15	0	1	1	2	19.0	76	3.7	134	14
31/12/24 22:20	0	1	1	2	19.0	76	3.5	130	15
31/12/24 22:25	0	1	1	2	19.0	76	3.4	128	16
31/12/24 22:30	0	1	1	2	19.0	77	3.5	133	16
31/12/24 22:35	0	1	1	2	19.0	77	2.8	114	16
31/12/24 22:40	0	1	1	2	18.9	76	3.4	125	16
31/12/24 22:45	0	1	1	2	18.9	76	3.8	129	14
31/12/24 22:50	0	1	1	2	18.9	76	3.3	137	17
31/12/24 22:55	0	1	1	2	18.8	77	3.5	130	16
31/12/24 23:00	0	1	1	2	18.8	76	3.5	128	15
31/12/24 23:05	0	1	1	2	18.9	77	2.6	111	17
31/12/24 23:10	0	2	2	2	18.9	77	3.4	106	10
31/12/24 23:15	0	2	2	2	18.9	77	4.2	104	8
31/12/24 23:20	0	2	2	2	18.8	77	2.3	113	18
31/12/24 23:25	0	2	2	1	18.9	77	2.7	115	16
31/12/24 23:30	0	2	2	2	18.7	78	2.5	131	20
31/12/24 23:35	0	2	2	2	18.6	78	2.8	127	15
31/12/24 23:40	0	2	2	2	18.5	78	2.9	133	16
31/12/24 23:45	0	2	2	2	18.6	78	2.3	135	17
31/12/24 23:50	0	2	2		18.7	79	1.7	156	26
31/12/24 23:55	0	2	2		18.6	79	1.6	156	23
01/01/25 00:00	0	2	2	2	18.5	79	1.7	145	22

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/12/24 01:00	1	11	2	18	21	2	20.6	83	0.8	324	33
01/12/24 02:00	1	7					20.8	78	1.9	323	29
01/12/24 03:00	1	6	0	9	9	2	21.1	75	3.1	301	19
01/12/24 04:00	0	3	0	7	7	2	20.7	73	2.1	329	27
01/12/24 05:00	-1	9	0	9	9	2	20.3	70	2.5	325	23
01/12/24 06:00	-1	9	1	10	11	2	19.9	72	2.4	317	23
01/12/24 07:00	1	10	1	4	5	2	20.5	67	2.6	341	30
01/12/24 08:00	-1	11	1	4	6	2	21.6	60	3.1	325	31
01/12/24 09:00	0	10	2	5	7	3	23.0	53	3.4	311	28
01/12/24 10:00	0	12	1	3	4	2	22.9	52	5.5	291	18
01/12/24 11:00	-2	11	1	3	3	2	22.9	53	4.6	292	18
01/12/24 12:00	-3	10	1	5	6	2	23.5	51	3.7	307	23
01/12/24 13:00	-2	9	1	4	5	2	24.1	49	4.0	301	20
01/12/24 14:00	-1	17	1	5	6	2	24.5	51	4.4	279	20
01/12/24 15:00	-1	6	1	5	6	2	21.1	75	4.8	263	12
01/12/24 16:00	1	8	1	6	7	2	22.2	68	3.9	253	12
01/12/24 17:00	1	12	2	8	10	2	22.9	63	3.3	260	12
01/12/24 18:00	-1	9	1	5	6	2	23.3	61	4.1	253	8
01/12/24 19:00	-2	10	1	4	5	2	22.4	69	3.5	226	12
01/12/24 20:00	-5	7	0	4	5	2	22.0	75	0.6	177	15
01/12/24 21:00	-4	8	1	4	5	2	21.8	73	0.8	101	16
01/12/24 22:00	-1	9	1	10	10	2	21.2	75	1.5	43	10
01/12/24 23:00	0	9	0	9	10	2	20.3	80	1.5	54	11
02/12/24 00:00	2	6	0	9	9	2	19.6	83	1.4	32	12
02/12/24 01:00	0	7	0	10	10	2	19.2	86	0.4	328	36
02/12/24 02:00	-1	11					18.8	88	1.0	333	16
02/12/24 03:00	1	8	1	12	13	2	18.3	90	0.9	340	13
02/12/24 04:00	0	13	12	20	31	2	18.3	89	0.9	298	13
02/12/24 05:00	1	14	17	19	36	2	17.6	88	0.3	350	22
02/12/24 06:00	3	17	38	20	58	2	18.2	83	0.8	338	15
02/12/24 07:00	3	21	40	16	55	2	19.7	76	0.9	55	20
02/12/24 08:00	0	14	14	14	28	3	21.3	69	0.7	120	21
02/12/24 09:00	1	14	21	16	37	3	22.3	68	1.0	165	28
02/12/24 10:00	1	11	11	10	21	2	24.1	62	0.6	130	30
02/12/24 11:00	0	17	1	4	6	2	27.4	45	2.9	347	29
02/12/24 12:00	0	19	1	4	6	2	28.6	39	3.0	335	31
02/12/24 13:00	-2	16	1	4	5	2	29.5	35	3.0	325	29
02/12/24 14:00	-1	20	1	4	6	2	30.9	31	3.2	342	31
02/12/24 15:00	-1	18	1	5	6	2	31.9	27	3.0	329	33
02/12/24 16:00	-3	11	1	4	5	2	32.5	25	3.0	333	32
02/12/24 17:00	-3	18	1	4	5	1	32.8	23	3.0	327	31
02/12/24 18:00	-4	20	1	5	6	1	32.6	24	2.4	351	29
02/12/24 19:00	-1	17	1	7	7	1	31.9	26	2.9	23	18
02/12/24 20:00	1	19	1	9	10	2	31.1	28	2.7	34	14
02/12/24 21:00	0	21	0	8	9	2	30.5	29	2.5	31	17
02/12/24 22:00	1	21	0	10	10	2	29.0	36	1.7	319	25
02/12/24 23:00	2	14	0	6	6	2	25.7	56	0.7	205	27
03/12/24 00:00	3	17	0	5	5	2	24.8	63	1.1	56	18
03/12/24 01:00	2	18	0	6	6	3	25.7	54	1.8	8	26
03/12/24 02:00	0	10					24.3	66	2.8	4	25
03/12/24 03:00	-1	7	0	5	5	2	22.7	77	2.0	355	25
03/12/24 04:00	-1	5	0	4	5	2	22.2	83	3.5	3	24
03/12/24 05:00	-2	6	0	4	4	2	22.6	81	3.7	356	23
03/12/24 06:00	-3	9	1	10	10	2	23.1	80	3.3	357	24
03/12/24 07:00	-5	7	2	11	13	2	23.9	77	3.4	345	27
03/12/24 08:00	-5	7	2	8	10	1	25.5	71	2.9	320	29
03/12/24 09:00	-2	10	3	10	13	1	26.8	66	3.3	309	24
03/12/24 10:00	0	16	3	7	10	2	27.8	58	4.3	287	17
03/12/24 11:00	3	11	2	6	9	2	29.2	53	2.7	306	30
03/12/24 12:00	6	15	2	5	7	2	30.1	45	4.6	289	19
03/12/24 13:00	5	28	1	4	5	2	30.6	37	5.9	278	15
03/12/24 14:00	5	26	2	6	7	2	30.2	37	7.2	270	12
03/12/24 15:00	5	32	2	6	8	2	25.4	67	4.0	186	15
03/12/24 16:00	11	31	5	4	9	2	24.0	70	6.5	201	10
03/12/24 17:00	10	32	3	4	7	2	22.8	69	6.8	199	9
03/12/24 18:00	6	24	3	4	6	2	21.4	70	8.3	205	7
03/12/24 19:00	7	25	1	3	4	2	20.8	72	6.9	196	9
03/12/24 20:00	9	41	1	3	4	2	19.3	75	5.3	176	12
03/12/24 21:00	8	38	1	2	3	2	18.9	74	5.0	180	10
03/12/24 22:00	7	34	0	1	1	2	18.5	72	5.0	183	10
03/12/24 23:00	7	34	0	1	1	2	18.0	70	5.1	183	9
04/12/24 00:00	6	29	0	1	1	2	17.7	67	5.6	190	7
04/12/24 01:00	5	33	0	1	1	2	17.4	67	4.5	190	9
04/12/24 02:00	3	33					17.2	68	3.5	187	12
04/12/24 03:00	6	32	4	13	16	1	16.3	75	2.8	233	12
04/12/24 04:00	7	34	1	12	13	2	15.6	74	0.9	293	22
04/12/24 05:00	7	34	10	19	29	2	15.4	73	0.7	314	27
04/12/24 06:00	10	34	28	18	46	2	15.7	73	1.0	262	22
04/12/24 07:00	6	33	9	10	19	2	17.2	65	1.3	125	25
04/12/24 08:00	4	32	2	3	5	2	18.4	61	3.2	113	15
04/12/24 09:00	4	25	1	2	3	2	19.2	57	2.1	153	24
04/12/24 10:00	4	21	1	1	2	2	18.7	61	3.7	191	8
04/12/24 11:00	3	23	1	2	2	2	18.4	65	4.6	196	6
04/12/24 12:00	1	18	0	1	2	2	18.8	67	5.4	197	5
04/12/24 13:00	4	26	1	2	3	2	19.6	65	5.5	193	5
04/12/24 14:00	6	19	0	1	1	2	20.0	66	5.5	192	6
04/12/24 15:00	4	27	1	1	2	2	20.5	67	6.1	192	5
04/12/24 16:00	6	22	0	1	1	2	21.7	65	5.7	190	6
04/12/24 17:00	4	27	1	2	3	2	22.4	64	5.5	190	6
04/12/24 18:00	0	27	1	2	2	2	23.0	65	5.2	183	9
04/12/24 19:00	3	42	0	1	1	2	22.0	66	4.7	174	14
04/12/24 20:00	5	39	0	1	1	2	20.5	72	4.6	175	13
04/12/24 21:00	4	27	0	1	1	2	19.5	73	3.1	150	22
04/12/24 22:00	4	32	0	2	2	2	18.9	74	1.8	155	20
04/12/24 23:00	4	28	0	2	2	2	18.8	78	1.8	172	19
05/12/24 00:00	3	21	0	2	2	2	18.7	79	1.5	185	17
05/12/24 01:00	3	26	1	10	11	2	18.2	83	2.0	265	12
05/12/24 02:00	10	32					17.1	83	2.3	287	12
05/12/24 03:00	8	31	3	16	19	2	16.5	83	1.7	302	14
05/12/24 04:00	5	27	9	16	25	2	16.1	83	1.3	333	21
05/12/24 05:00	4	30	26	15	41	3	15.8	83	1.2	332	21
05/12/24 06:00	7	32	32	17	49	3	16.3	80	1.1	332	23
05/12/24 07:00	7	38	29	17	45	3	17.6	75	1.1	325	29
05/12/24 08:00	10	42	38	19	57	3	19.7	70	0.3	218	24
05/12/24 09:00	6	39	39	20	60	4	21.8	64	1.0	153	25
05/12/24 10:00	9	40	26	19	45	4	24.1	60	0.9	141	25

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/12/24 11:00	7	28	16	17	33	3	24.3	65	1.9	129	16
05/12/24 12:00	6	40	13	17	30	3	24.9	69	2.2	143	12
05/12/24 13:00	10	27	13	18	30	3	27.3	62	2.3	167	16
05/12/24 14:00	9	28	9	16	26	3	28.4	54	2.2	166	21
05/12/24 15:00	6	30	4	12	16	3	28.8	49	2.4	167	20
05/12/24 16:00	4	32	2	6	8	3	28.6	46	2.3	153	27
05/12/24 17:00	4	25	1	3	4	2	28.4	49	1.7	161	38
05/12/24 18:00	-1	29	0	3	3	2	28.6	48	2.4	153	29
05/12/24 19:00	2	49	1	7	7	2	30.3	37	3.9	111	15
05/12/24 20:00	4	49	1	8	8	2	29.7	31	4.4	95	9
05/12/24 21:00	5	28	0	9	9	2	29.0	31	2.9	80	11
05/12/24 22:00	2	22	0	12	12	2	27.8	36	0.6	43	25
05/12/24 23:00	4	21	0	15	16	3	27.4	35	0.9	40	15
06/12/24 00:00	5	26	1	21	21	3	26.2	40	1.0	354	23
06/12/24 01:00	3	28	0	11	11	2	25.6	42	1.0	346	27
06/12/24 02:00	5	24					24.7	46	0.8	331	25
06/12/24 03:00	7	34	1	25	25	2	23.4	50	0.9	10	14
06/12/24 04:00	5	19	0	13	13	2	22.8	53	1.2	41	14
06/12/24 05:00	6	18	4	19	23	2	22.8	53	1.2	50	13
06/12/24 06:00	4	25	3	24	26	2	23.5	52	1.7	51	13
06/12/24 07:00	6	34	10	24	34	2	26.8	46	1.0	45	26
06/12/24 08:00	5	30	7	18	25	2	27.7	50	0.7	162	28
06/12/24 09:00	7	37	6	20	26	1	28.2	53	1.3	154	18
06/12/24 10:00	8	37	9	26	34	2	26.0	59	2.5	190	9
06/12/24 11:00	9	37	7	21	28	2	26.2	58	1.7	154	17
06/12/24 12:00	7	27	3	10	13	2	25.2	63	4.3	190	10
06/12/24 13:00	10	30	0	4	4	1	23.4	66	6.9	196	4
06/12/24 14:00	6	31	1	3	3	1	22.9	69	6.7	208	5
06/12/24 15:00	7	24	0	2	2	1	22.7	73	6.4	205	5
06/12/24 16:00	6	26	0	2	2	1	23.0	72	5.1	198	5
06/12/24 17:00	4	25	0	4	4	1	22.5	74	1.3	192	12
06/12/24 18:00	2	28	0	5	6	1	22.1	79	1.0	101	23
06/12/24 19:00	6	27	1	17	18	1	22.9	73	1.6	38	15
06/12/24 20:00	7	17	0	16	16	1	22.5	73	2.0	52	17
06/12/24 21:00	5	16	0	8	8	1	22.5	71	1.5	48	23
06/12/24 22:00	4	14	0	10	10	1	22.3	74	0.6	342	17
06/12/24 23:00	6	23	1	18	19	1	22.0	76	0.9	314	20
07/12/24 00:00	4	23	0	17	17	1	21.9	76	1.1	327	24
07/12/24 01:00	3	22	3	26	29	1	22.0	75	1.0	285	17
07/12/24 02:00	8	17					21.9	75	0.7	289	23
07/12/24 03:00	11	21	2	25	28	2	21.8	76	1.3	275	18
07/12/24 04:00	8	23	0	23	24	1	21.7	77	1.2	276	14
07/12/24 05:00	6	27	1	23	24	2	21.8	76	1.1	244	18
07/12/24 06:00	7	26	7	25	32	2	20.5	88	1.2	5	16
07/12/24 07:00	4	18	9	18	27	2	22.0	84	1.5	8	26
07/12/24 08:00	2	18	6	18	24	2	22.8	86	1.8	344	27
07/12/24 09:00	4	12	3	11	14	2	24.9	71	2.6	302	22
07/12/24 10:00	4	14	2	9	11	2	26.2	66	3.7	255	12
07/12/24 11:00	7	17	29	13	42	2	24.9	75	2.6	181	19
07/12/24 12:00	16	32	112	34	146	3	25.0	74	3.4	185	12
07/12/24 13:00	4	13	26	14	39	4	24.8	77	6.3	204	8
07/12/24 14:00	3	14	15	9	24	3	24.7	78	7.3	207	6
07/12/24 15:00	13	24	69	23	92	4	25.2	73	5.6	199	10
07/12/24 16:00	13	27	122	26	149	4	25.1	71	7.1	201	9
07/12/24 17:00	7	22	43	16	59	6	24.9	72	5.4	184	10
07/12/24 18:00	5	31	1	2	3	3	22.7	79	4.3	168	19
07/12/24 19:00	6	27	0	2	2	2	21.7	82	7.2	194	8
07/12/24 20:00	6	14	0	1	1	2	21.2	77	10.2	219	5
07/12/24 21:00	4	7	0	2	2	1	20.1	76	10.0	228	6
07/12/24 22:00	0	16	1	2	3	2	18.8	68	9.6	239	7
07/12/24 23:00	-1	8	1	6	7	2	17.9	69	5.1	247	11
08/12/24 00:00	-1	9	2	10	12	2	17.4	68	3.4	241	11
08/12/24 01:00	-2	17	2	8	10	3	17.2	72	4.7	249	9
08/12/24 02:00	0	18					16.7	76	6.0	248	8
08/12/24 03:00	0	16	2	6	8	2	16.2	77	5.5	249	9
08/12/24 04:00	3	18	1	4	5	2	15.7	77	3.0	268	14
08/12/24 05:00	5	23	0	5	6	2	15.5	77	3.0	266	15
08/12/24 06:00	3	17	2	5	7	2	15.7	77	4.1	266	12
08/12/24 07:00	3	16	3	4	6	2	16.0	75	6.4	248	9
08/12/24 08:00	5	28	2	2	3	2	16.6	66	7.0	230	8
08/12/24 09:00	5	24	1	2	3	3	17.1	58	6.4	232	11
08/12/24 10:00	5	26	0	1	1	2	17.4	56	6.7	226	9
08/12/24 11:00	6	26	1	1	2	2	18.2	51	4.5	205	10
08/12/24 12:00	6	24	6	4	11	2	19.1	49	3.9	195	13
08/12/24 13:00	6	24	11	8	19	2	19.7	48	4.7	196	12
08/12/24 14:00	5	27	1	2	3	1	20.4	52	4.0	182	15
08/12/24 15:00	5	27	0	1	1	1	20.6	55	3.4	166	19
08/12/24 16:00	3	27	0	1	1	1	20.7	53	3.3	164	23
08/12/24 17:00	3	35	1	1	2	1	20.4	57	3.9	171	18
08/12/24 18:00	4	38	1	2	2	1	19.8	61	4.3	173	15
08/12/24 19:00	5	47	0	1	1	1	19.6	59	3.7	168	20
08/12/24 20:00	4	38	0	1	1	1	18.6	63	4.1	173	15
08/12/24 21:00	3	28	0	1	1	1	18.1	66	4.5	180	11
08/12/24 22:00	2	26	0	1	1	1	18.0	65	4.2	189	9
08/12/24 23:00	-1	19	0	1	1	1	18.0	60	4.6	198	9
09/12/24 00:00	0	21	1	7	7	1	17.3	64	4.6	241	8
09/12/24 01:00	6	22	2	12	14	2	16.4	65	4.3	245	8
09/12/24 02:00	7	21					15.8	67	4.2	252	7
09/12/24 03:00	5	20	3	11	14	2	15.4	69	3.6	251	9
09/12/24 04:00	5	24	5	14	19	2	14.8	71	2.6	265	12
09/12/24 05:00	5	25	10	17	27	2	13.8	72	2.0	306	16
09/12/24 06:00	4	29	22	18	40	2	13.8	72	2.2	299	14
09/12/24 07:00	7	32	28	18	45	3	14.9	70	2.8	253	11
09/12/24 08:00	5	22	7	10	16	2	15.6	68	4.1	241	8
09/12/24 09:00	5	23	3	4	8	2	16.1	64	3.5	240	9
09/12/24 10:00	3	19	1	2	3	2	16.9	59	1.8	219	15
09/12/24 11:00	2	21	1	2	3	2	19.1	52	2.0	149	21
09/12/24 12:00	3	22	1	2	2	2	19.4	52	2.0	160	24
09/12/24 13:00	3	23	0	1	2	2	19.7	51	2.1	138	21
09/12/24 14:00	3	19	0	1	1	2	19.4	53	2.9	135	19
09/12/24 15:00	4	20	0	1	1	2	19.6	53	2.9	133	17
09/12/24 16:00	5	21	0	1	1	2	21.3	51	2.5	154	19
09/12/24 17:00	4	21	0	1	1	2	21.4	53	3.5	173	15
09/12/24 18:00	6	21	0	1	1	2	21.0	56	3.5	175	15
09/12/24 19:00	4	19	1	4	5	2	20.2	63	3.4	179	12
09/12/24 20:00	0	19	0	4	4	2	19.0	68	3.2	177	14

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/12/24 21:00	0	27	0	3	3	2	18.5	70	2.5	167	22
09/12/24 22:00	-1	24	0	1	1	2	18.1	70	3.0	138	16
09/12/24 23:00	4	36	0	2	2	2	17.4	70	3.2	99	10
10/12/24 00:00	2	31	0	3	3	2	17.0	68	2.6	91	10
10/12/24 01:00	-1	27	0	2	2	2	17.1	68	2.7	87	9
10/12/24 02:00	1	13					16.9	65	2.0	74	12
10/12/24 03:00	-1	21	0	2	2	2	17.4	68	2.2	189	15
10/12/24 04:00	-1	19	0	1	1	2	17.6	69	3.3	205	12
10/12/24 05:00	1	24	0	1	1	2	17.5	68	3.6	210	9
10/12/24 06:00	2	23	1	5	7	2	17.5	68	3.1	217	12
10/12/24 07:00	3	21	0	1	1	2	17.7	66	4.2	205	7
10/12/24 08:00	3	21	0	1	1	2	18.0	62	3.8	198	9
10/12/24 09:00	2	16	0	1	1	2	18.2	63	3.8	197	9
10/12/24 10:00	3	12	0	1	2	2	18.4	60	4.6	195	7
10/12/24 11:00	2	16	1	1	2	2	19.1	57	3.7	188	12
10/12/24 12:00	4	14	0	1	1	2	19.2	59	4.3	190	10
10/12/24 13:00	4	15	1	2	4	2	20.2	57	3.8	184	12
10/12/24 14:00	1	19	1	1	3	2	21.4	52	2.8	160	21
10/12/24 15:00	-1	22	1	1	2	2	21.4	52	3.7	170	17
10/12/24 16:00	0	28	2	2	4	1	20.8	61	4.4	177	13
10/12/24 17:00	4	29	2	2	3	2	20.7	59	4.1	175	14
10/12/24 18:00	3	20	3	3	6	2	20.8	57	4.4	180	13
10/12/24 19:00	2	18	2	1	4	2	19.6	66	6.2	184	9
10/12/24 20:00	1	29	2	3	5	2	18.3	71	4.4	176	13
10/12/24 21:00	1	28	1	2	3	2	18.1	72	3.1	169	18
10/12/24 22:00	1	21	2	2	4	2	18.1	71	3.3	170	18
10/12/24 23:00	-1	21	4	5	9	2	17.7	69	2.7	173	16
11/12/24 00:00	-1	17	2	3	5	2	17.6	69	2.6	177	15
11/12/24 01:00	-1	16	0	1	1	2	17.4	70	2.9	186	11
11/12/24 02:00	-4	11					17.4	71	3.5	190	9
11/12/24 03:00	-3	12	0	1	1	2	17.2	71	3.6	205	8
11/12/24 04:00	2	17	2	7	9	2	16.5	76	4.2	234	8
11/12/24 05:00	3	14	12	15	27	2	15.6	80	4.1	255	8
11/12/24 06:00	3	26	19	16	35	2	15.4	78	2.9	264	13
11/12/24 07:00	2	18	15	13	28	3	16.1	74	4.3	243	8
11/12/24 08:00	1	17	3	4	7	3	16.3	74	6.0	231	7
11/12/24 09:00	1	17	1	1	2	3	16.7	66	6.5	229	7
11/12/24 10:00	3	20	1	1	2	2	16.8	65	6.0	225	8
11/12/24 11:00	4	20	1	1	2	2	18.2	58	2.8	190	16
11/12/24 12:00	2	19	0	1	1	2	19.4	53	2.2	137	22
11/12/24 13:00	0	20	0	1	1	2	19.9	53	2.4	128	18
11/12/24 14:00	0	20	0	1	1	2	21.0	48	2.3	128	16
11/12/24 15:00	0	21	0	1	1	2	22.7	44	2.2	118	15
11/12/24 16:00	1	22	0	2	2	2	23.9	43	1.9	148	21
11/12/24 17:00	2	19	0	1	1	2	23.2	49	2.0	156	23
11/12/24 18:00	0	17	0	1	1	2	22.2	57	2.8	161	22
11/12/24 19:00	3	23	0	1	1	2	21.2	64	2.8	144	21
11/12/24 20:00	2	23	0	1	1	2	20.3	69	2.4	143	22
11/12/24 21:00	0	23	0	1	1	2	19.9	71	2.6	141	21
11/12/24 22:00	0	18	0	2	2	2	19.8	72	3.4	214	15
11/12/24 23:00	3	21	2	8	11	2	18.6	70	5.0	236	8
12/12/24 00:00	3	21	2	5	7	2	17.8	75	4.2	254	11
12/12/24 01:00	0	22	0	4	4	2	17.7	75	4.1	259	11
12/12/24 02:00	2	15					17.8	76	6.7	252	9
12/12/24 03:00	3	12	1	5	6	3	17.7	76	5.4	246	9
12/12/24 04:00	1	14	1	4	5	2	17.6	75	3.6	256	12
12/12/24 05:00	1	12	0	7	7	3	17.5	74	2.5	279	16
12/12/24 06:00	3	14	2	11	13	3	17.7	74	2.8	272	14
12/12/24 07:00	3	20	4	10	14	3	17.9	73	2.5	271	14
12/12/24 08:00	1	11	3	6	8	2	17.9	73	3.4	245	10
12/12/24 09:00	-1	16	3	6	9	2	18.3	71	2.4	245	15
12/12/24 10:00	-2	24	7	7	13	3	19.6	65	1.6	234	22
12/12/24 11:00	0	19	4	5	9	3	21.4	62	2.0	173	22
12/12/24 12:00	1	13	1	2	3	3	22.4	60	2.2	158	23
12/12/24 13:00	0	17	1	2	2	3	22.6	62	2.3	150	23
12/12/24 14:00	-1	11	1	2	2	3	23.7	61	2.3	158	24
12/12/24 15:00	-1	15	1	2	2	3	24.8	57	2.2	155	22
12/12/24 16:00	-2	11	0	1	1	3	25.5	53	2.0	138	20
12/12/24 17:00	-2	16	1	3	4	3	24.9	61	2.7	163	18
12/12/24 18:00	1	16	8	7	15	3	24.8	63	2.7	176	17
12/12/24 19:00	8	19	24	11	36	3	23.5	72	3.4	183	12
12/12/24 20:00	7	25	34	13	46	3	21.3	80	4.1	181	11
12/12/24 21:00	2	19	9	6	14	3	21.0	80	3.5	152	17
12/12/24 22:00	1	16	0	2	2	3	20.3	78	2.4	128	17
12/12/24 23:00	1	23	0	3	3	3	19.9	80	1.6	120	18
13/12/24 00:00	1	20	0	3	3	2	19.6	81	2.1	105	13
13/12/24 01:00	1	17	0	3	3	2	19.6	83	1.5	143	18
13/12/24 02:00	0	18					19.5	85	3.6	220	10
13/12/24 03:00	2	15	1	4	6	2	18.7	87	6.0	235	7
13/12/24 04:00	2	9	3	6	8	2	18.4	87	5.0	240	8
13/12/24 05:00	-1	9	3	5	8	2	18.1	89	5.2	229	7
13/12/24 06:00	-2	10	2	4	6	2	18.0	85	6.1	232	7
13/12/24 07:00	-2	11	4	7	11	2	18.2	79	4.1	252	11
13/12/24 08:00	-1	7	3	5	8	2	18.2	78	4.4	250	9
13/12/24 09:00	-2	5	1	2	4	2	18.4	81	5.0	223	7
13/12/24 10:00	-2	3	1	1	2	2	18.7	80	4.0	206	8
13/12/24 11:00	-1	9	5	3	8	2	20.8	71	2.8	178	16
13/12/24 12:00	-2	15	1	2	3	2	21.2	66	2.6	159	23
13/12/24 13:00	-1	16	1	1	2	2	20.8	66	2.9	154	23
13/12/24 14:00	-1	21	2	2	3	2	21.4	65	2.9	162	22
13/12/24 15:00	-1	21	11	6	17	2	21.9	63	3.2	175	17
13/12/24 16:00	1	24	11	6	17	2	22.2	60	3.0	178	16
13/12/24 17:00	0	13	6	6	12	2	21.3	64	4.1	187	10
13/12/24 18:00	-1	18	16	9	25	2	21.7	63	3.6	183	12
13/12/24 19:00	0	19	16	10	25	3	20.9	66	4.9	185	9
13/12/24 20:00	1	26	19	9	28	3	19.9	71	3.6	180	14
13/12/24 21:00	3	13	1	1	2	2	19.1	72	2.9	147	21
13/12/24 22:00	-1	15	0	1	1	2	18.2	70	3.1	116	15
13/12/24 23:00	-2	16	0	2	2	2	17.7	73	3.0	107	13
14/12/24 00:00	-1	23	0	2	3	2	17.2	74	3.3	96	9
14/12/24 01:00	-1	15	0	2	2	2	16.9	75	2.9	101	11
14/12/24 02:00	-1	18					16.1	75	2.2	82	10
14/12/24 03:00	0	18	0	11	12	2	15.9	75	2.5	83	8
14/12/24 04:00	2	16	0	10	11	2	15.6	75	2.3	75	10
14/12/24 05:00	4	18	0	7	7	2	15.4	76	2.0	75	10
14/12/24 06:00	2	19	0	5	5	2	15.8	74	2.5	71	11

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/12/24 07:00	-1	18	3	7	10	2	16.7	71	2.8	70	13
14/12/24 08:00	2	18	3	4	7	2	17.9	67	2.6	94	15
14/12/24 09:00	3	16	2	3	4	2	19.8	60	1.6	129	22
14/12/24 10:00	3	17	2	3	4	2	19.2	66	3.5	194	7
14/12/24 11:00	2	15	1	2	3	2	19.5	67	3.1	191	10
14/12/24 12:00	0	20	4	6	10	2	21.1	62	2.7	180	17
14/12/24 13:00	1	22	3	6	9	2	21.6	61	2.3	166	20
14/12/24 14:00	2	24	1	3	3	2	22.9	59	2.0	166	20
14/12/24 15:00	2	27	7	11	18	2	23.1	62	2.6	182	15
14/12/24 16:00	2	21	5	11	16	2	22.4	66	3.8	187	9
14/12/24 17:00	6	30	12	14	25	2	22.4	66	4.3	183	11
14/12/24 18:00	4	34	5	7	12	2	22.5	67	3.5	169	18
14/12/24 19:00	4	36	11	12	23	2	22.0	67	3.1	178	14
14/12/24 20:00	5	28	9	10	19	2	21.1	69	3.8	183	11
14/12/24 21:00	3	23	2	2	4	2	19.6	73	2.8	150	21
14/12/24 22:00	0	21	0	1	2	2	19.1	74	2.1	151	22
14/12/24 23:00	4	25	0	1	1	2	18.3	76	3.0	109	15
15/12/24 00:00	3	19	0	2	2	2	17.8	77	2.3	136	21
15/12/24 01:00	3	21	0	2	2	2	17.2	76	2.3	88	10
15/12/24 02:00	3	20					17.1	78	3.0	100	11
15/12/24 03:00	3	19	0	1	1	2	17.0	77	2.4	100	12
15/12/24 04:00	3	14	0	3	4	2	16.1	77	1.4	58	11
15/12/24 05:00	3	18	0	4	4	1	15.7	80	1.2	50	7
15/12/24 06:00	8	22	7	11	18	2	16.3	78	0.9	15	13
15/12/24 07:00	5	19	4	6	10	2	18.0	73	1.5	101	15
15/12/24 08:00	2	19	3	4	7	2	18.8	71	0.9	194	17
15/12/24 09:00	3	20	2	4	6	2	19.4	72	1.7	197	13
15/12/24 10:00	4	29	3	5	7	2	20.6	69	2.5	186	11
15/12/24 11:00	2	27	5	8	13	2	22.2	67	2.4	169	19
15/12/24 12:00	5	28	1	4	5	2	22.3	69	2.7	174	16
15/12/24 13:00	9	28	0	3	3	2	22.9	72	2.5	173	16
15/12/24 14:00	11	37	1	4	5	2	25.2	66	2.1	162	20
15/12/24 15:00	14	43	4	10	14	2	26.3	65	3.1	173	18
15/12/24 16:00	14	39	10	17	27	2	26.3	67	3.4	180	14
15/12/24 17:00	13	34	8	15	23	2	26.2	67	4.1	185	12
15/12/24 18:00	14	38	1	3	4	2	27.3	61	3.4	159	23
15/12/24 19:00	11	31	0	3	3	2	27.2	65	1.8	164	30
15/12/24 20:00	12	33	1	6	7	2	25.1	79	3.7	194	7
15/12/24 21:00	9	28	0	4	4	2	24.3	83	2.8	228	7
15/12/24 22:00	11	34	0	16	16	2	24.2	80	2.0	279	12
15/12/24 23:00	10	36	0	13	13	2	23.7	77	2.2	277	14
16/12/24 00:00	13	48	0	13	13	2	22.7	76	1.4	290	14
16/12/24 01:00	10	50	0	13	14	2	22.2	77	0.5	321	22
16/12/24 02:00	13	34					22.0	78	0.7	28	14
16/12/24 03:00	9	36	0	17	17	2	22.1	80	0.2	42	26
16/12/24 04:00	13	40	2	17	19	2	22.0	77	0.8	54	14
16/12/24 05:00	17	45	1	16	17	2	22.6	69	0.5	66	27
16/12/24 06:00	10	54	6	23	28	2	25.0	55	1.7	45	17
16/12/24 07:00	8	74	3	21	24	2	28.5	40	3.0	14	21
16/12/24 08:00	6	75	6	19	26	2	29.9	38	3.6	7	21
16/12/24 09:00	6	81	3	10	14	2	33.0	33	4.0	1	24
16/12/24 10:00	8	81	2	8	11	2	33.9	32	4.1	358	25
16/12/24 11:00	12	136	2	8	9	2	33.5	34	4.6	5	25
16/12/24 12:00	10	98	1	9	11	2	34.5	32	4.2	2	25
16/12/24 13:00	21	92	3	12	15	2	35.6	31	4.0	4	23
16/12/24 14:00	14	84	2	11	12	2	37.5	28	4.8	359	23
16/12/24 15:00	7	62	2	9	10	2	38.8	26	4.5	11	23
16/12/24 16:00	8	47	1	8	9	2	39.9	25	3.7	20	21
16/12/24 17:00	7	57	1	10	11	2	40.5	20	3.1	336	28
16/12/24 18:00	6	32	1	10	11	2	39.9	18	2.8	316	27
16/12/24 19:00	6	45	1	11	12	2	33.1	40	3.9	202	16
16/12/24 20:00	6	24	0	2	2	2	25.1	65	6.8	201	5
16/12/24 21:00	3	23	1	2	2	2	23.4	69	7.4	195	7
16/12/24 22:00	4	27	2	5	7	2	21.6	76	5.7	190	8
16/12/24 23:00	6	28	1	2	3	2	21.1	75	3.4	168	13
17/12/24 00:00	7	30	0	1	1	2	21.0	75	1.8	133	22
17/12/24 01:00	3	21	0	2	2	3	20.9	75	1.5	183	21
17/12/24 02:00	0	20					20.7	78	2.9	223	7
17/12/24 03:00	2	11	0	2	3	2	20.4	76	7.0	231	7
17/12/24 04:00	3	16	1	5	6	2	19.9	77	5.5	232	8
17/12/24 05:00	2		2	10	12	2	19.7	73	5.6	238	8
17/12/24 06:00	0	14	2	9	11	3	19.7	73	5.7	250	7
17/12/24 07:00	5	23	2	5	7	3	19.4	68	8.0	235	7
17/12/24 08:00	8	27	3	5	8	3	19.1	69	6.8	243	8
17/12/24 09:00	5	29	2	2	4	3	19.7	60	4.3	241	10
17/12/24 10:00	5	29	2	3	5	3	20.6	55	6.3	228	9
17/12/24 11:00						3	21.2	55	6.0	208	10
17/12/24 12:00			4	3	6	3	22.0	47	7.6	221	10
17/12/24 13:00	9	31	34	12	46	3	22.5	48	6.1	201	11
17/12/24 14:00	11	47	24	12	36	4	22.3	61	4.6	180	12
17/12/24 15:00	11	46	16	8	24	3	22.6	57	3.8	174	17
17/12/24 16:00	14	69	17	9	26	3	22.2	57	4.6	177	14
17/12/24 17:00	9	69	17	9	26	3	22.1	59	4.4	177	14
17/12/24 18:00	10	60	15	8	23	3	20.9	64	6.5	182	11
17/12/24 19:00	7	35	7	5	11	3	20.5	65	7.2	187	8
17/12/24 20:00	5	36	0	1	1	3	19.8	66	8.6	194	6
17/12/24 21:00	6	32	1	2	2	2	19.2	64	8.2	194	7
17/12/24 22:00	5	23	0	1	1	2	18.9	62	8.1	200	6
17/12/24 23:00	5	32	4	3	8	2	18.5	64	6.5	194	8
18/12/24 00:00	4	26	1	5	6	3	17.8	65	4.6	225	10
18/12/24 01:00	6	29	2	6	8	2	17.5	68	5.6	226	8
18/12/24 02:00	3	25					17.7	69	7.1	209	8
18/12/24 03:00	4	25	3	7	9	2	16.8	73	5.5	238	9
18/12/24 04:00	6	27	6	4	9	2	17.3	72	5.3	199	11
18/12/24 05:00	8	48	8	6	14	3	17.5	65	3.8	169	18
18/12/24 06:00	6	38	2	2	4	2	17.5	63	3.3	160	22
18/12/24 07:00	6	35	3	2	4	2	18.2	61	3.1	160	22
18/12/24 08:00	6	33	3	2	4	2	18.4	63	3.3	152	23
18/12/24 09:00	10	33	2	1	3	2	19.3	61	3.3	165	20
18/12/24 10:00	7	30	1	1	2	2	19.6	62	3.8	175	15
18/12/24 11:00	6	27	24	8	32	2	20.1	59	4.1	181	14
18/12/24 12:00	8	28	64	17	81	3	19.9	60	5.6	191	8
18/12/24 13:00	7	27	52	16	69	3	20.6	58	5.3	189	10
18/12/24 14:00	4	29	75	19	94	3	20.6	60	6.2	189	8
18/12/24 15:00	3	17	38	10	48	3	20.7	59	6.8	188	7
18/12/24 16:00	3	30	12	7	19	2	21.2	59	6.4	185	9

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/12/24 17:00	4	32	11	6	17	2	20.9	59	6.3	184	9
18/12/24 18:00	8	48	6	4	10	2	21.2	58	5.0	180	13
18/12/24 19:00	7	47	5	4	9	2	20.9	56	4.3	178	14
18/12/24 20:00	5	31	3	3	6	2	19.7	59	3.7	167	17
18/12/24 21:00	3	26	0	1	1	2	18.3	66	5.1	135	17
18/12/24 22:00	3	19	0	1	1	2	17.5	70	5.4	129	14
18/12/24 23:00	3	27	0	1	1	2	17.1	72	4.3	113	14
19/12/24 00:00	3	28	0	1	1	2	16.5	74	3.4	115	15
19/12/24 01:00	3	23	0	2	2	2	16.0	75	3.1	129	18
19/12/24 02:00	4	20					15.8	76	3.1	128	18
19/12/24 03:00	2	22	0	4	4	2	15.3	77	3.6	108	14
19/12/24 04:00	1	24	0	4	4	2	14.0	78	1.7	84	13
19/12/24 05:00	0	22	1	8	9	2	13.6	79	0.8	49	10
19/12/24 06:00	4	36	30	15	46	2	14.0	78	1.1	5	20
19/12/24 07:00	7	40	39	16	55	2	15.3	74	1.2	332	28
19/12/24 08:00	6	30	21	13	34	3	17.0	67	1.5	323	30
19/12/24 09:00	4	33	17	12	29	3	19.5	59	0.7	281	32
19/12/24 10:00	2	37	22	13	35	3	22.8	50	0.2	12	38
19/12/24 11:00	6	33	32	16	48	3	23.3	53	2.0	195	28
19/12/24 12:00	7	33	12	13	25	3	23.5	59	2.4	159	23
19/12/24 13:00	5	31	6	10	16	2	25.0	60	2.5	156	21
19/12/24 14:00	8	31	3	7	10	2	26.1	61	2.8	163	20
19/12/24 15:00	6	34	1	4	5	2	26.9	56	2.7	158	25
19/12/24 16:00	3	28	0	3	3	2	27.7	49	3.3	163	19
19/12/24 17:00	2	30	0	2	3	2	27.7	47	2.8	154	27
19/12/24 18:00	5	44	0	2	3	2	28.2	45	3.3	136	18
19/12/24 19:00	5	34	0	3	3	2	28.9	35	6.0	103	7
19/12/24 20:00	6	47	0	4	4	2	27.9	36	5.7	99	6
19/12/24 21:00	5	42	0	5	5	2	26.3	34	4.8	91	8
19/12/24 22:00	6	29	0	7	8	2	24.9	38	2.3	86	11
19/12/24 23:00	5	27	0	8	8	2	23.7	48	1.4	109	15
20/12/24 00:00	3	24	0	6	6	1	22.3	52	1.7	107	12
20/12/24 01:00	3	19	0	11	12	2	21.4	52	0.5	106	18
20/12/24 02:00	5	27					20.8	57	1.5	99	13
20/12/24 03:00	5	23	0	9	9	3	20.5	54	0.9	81	14
20/12/24 04:00	5	21	1	10	10	3	19.7	55	0.9	45	10
20/12/24 05:00	7	40	17	21	39	3	19.2	57	0.9	333	17
20/12/24 06:00	13	39	27	23	50	4	19.1	58	0.7	3	21
20/12/24 07:00	11	46	26	21	48	3	20.8	54	1.0	33	26
20/12/24 08:00	8	38	25	22	48	3	23.7	48	0.7	140	35
20/12/24 09:00	8	35	9	15	25	3	25.6	48	1.3	158	24
20/12/24 10:00	9	30	5	11	15	3	27.4	44	0.6	67	34
20/12/24 11:00	6	32	2	6	8	3	31.7	28	2.5	18	22
20/12/24 12:00	5	32	2	5	7	2	33.3	24	1.9	15	33
20/12/24 13:00	2	35	1	5	6	3	34.3	22	2.9	42	23
20/12/24 14:00	0	33	1	5	6	3	35.1	21	3.2	36	22
20/12/24 15:00	4	30	1	6	7	3	35.2	21	2.1	34	21
20/12/24 16:00	9	89	0	4	4	3	28.8	46	7.3	191	11
20/12/24 17:00	13	44	0	2	2	3	23.5	70	8.8	193	5
20/12/24 18:00	18	44	1	3	3	3	23.0	73	7.0	191	6
20/12/24 19:00	8	32	0	2	2	3	22.2	69	6.1	187	7
20/12/24 20:00	9	33	1	2	2	3	21.6	66	5.8	186	7
20/12/24 21:00	10	33	1	2	3	2	20.6	75	6.0	187	6
20/12/24 22:00	9	32	0	1	2	2	19.7	79	7.0	193	7
20/12/24 23:00	6	28	0	1	1	2	19.3	78	7.2	200	6
21/12/24 00:00	8	21	0	1	2	3	18.9	79	8.0	207	5
21/12/24 01:00	5	34	0	1	2	2	18.8	77	8.6	202	6
21/12/24 02:00	1	11					18.9	75	7.6	199	7
21/12/24 03:00	3	25	0	1	1	2	18.8	74	7.4	194	7
21/12/24 04:00	8	18	0	1	1	2	18.8	69	6.2	186	9
21/12/24 05:00	4	29	0	1	1	2	18.7	73	4.6	180	11
21/12/24 06:00	2	38	3	3	6	2	18.6	72	3.6	169	16
21/12/24 07:00	4	33	17	10	27	2	18.6	68	3.5	174	16
21/12/24 08:00	2	19	16	7	23	3	19.2	60	5.4	189	9
21/12/24 09:00	-1	27	14	8	22	3	19.4	64	5.6	183	9
21/12/24 10:00	0	33	23	9	32	3	19.5	66	5.1	184	10
21/12/24 11:00	6	24	30	14	43	4	19.8	59	5.6	189	9
21/12/24 12:00	8	26	24	11	35	3	19.4	66	6.8	193	8
21/12/24 13:00	10	29	48	15	63	4	19.5	60	6.6	190	8
21/12/24 14:00	5	23	16	7	23	4	19.5	60	6.4	190	8
21/12/24 15:00	5	21	12	5	17	4	19.6	60	6.5	192	8
21/12/24 16:00	4	20	15	7	21	3	19.3	62	7.0	191	8
21/12/24 17:00	9	25	21	11	33	5	19.3	61	6.9	190	8
21/12/24 18:00	12	30	29	7	36	5	19.2	64	7.9	189	7
21/12/24 19:00	8	27	0	1	1	3	18.9	66	6.6	186	9
21/12/24 20:00	7	29	0	1	1	3	18.1	65	4.6	178	12
21/12/24 21:00	5	38	0	1	1	3	17.7	64	3.7	177	14
21/12/24 22:00	6	30	0	1	1	2	17.5	63	2.8	172	18
21/12/24 23:00	4	29	0	0	1	2	17.3	64	2.7	167	20
22/12/24 00:00	3	26	0	1	1	2	16.9	64	2.1	145	24
22/12/24 01:00	0	38	0	2	2	1	16.3	66	2.7	95	11
22/12/24 02:00	1	29					16.6	67	2.2	136	18
22/12/24 03:00	3	26	0	1	1	1	16.9	66	3.1	172	18
22/12/24 04:00	3	21	0	1	1	1	16.7	65	3.0	172	19
22/12/24 05:00	1	18	0	1	1	1	16.6	63	4.1	184	11
22/12/24 06:00	0	28	0	2	2	1	16.6	67	2.8	168	21
22/12/24 07:00	1	25	0	2	3	1	16.6	65	2.1	155	23
22/12/24 08:00	1	25	6	5	11	1	16.2	68	2.3	213	17
22/12/24 09:00	1	22	3	3	7	1	17.4	64	2.7	201	17
22/12/24 10:00	5	23	3	2	5	1	16.9	71	4.1	214	9
22/12/24 11:00	6	23	5	4	10	1	17.7	65	3.3	201	10
22/12/24 12:00	5	13	1	2	3	1	19.7	55	2.0	168	22
22/12/24 13:00	2	17	3	2	5	1	20.0	54	2.5	167	20
22/12/24 14:00	2	11	1	1	2	1	20.2	52	2.5	149	21
22/12/24 15:00	1	13	0	1	1	1	21.5	48	2.1	155	23
22/12/24 16:00	-1	13	0	1	1	1	21.4	51	2.8	175	16
22/12/24 17:00	0	23	1	2	3	1	20.6	56	4.3	180	11
22/12/24 18:00	3	18	2	2	4	1	19.2	65	5.3	180	10
22/12/24 19:00	3	26	4	2	6	1	18.7	70	4.8	178	12
22/12/24 20:00	3	44	15	7	22	1	17.4	80	7.6	198	10
22/12/24 21:00	4	17	1	4	5	1	14.3	84	8.1	237	7
22/12/24 22:00	3	13	1	5	6	1	13.5	82	6.7	244	10
22/12/24 23:00	3	17	1	5	6	1	13.2	84	3.1	265	13
23/12/24 00:00	3	17	1	7	7	1	13.9	83	5.0	258	10
23/12/24 01:00	1	14	1	3	3	1	13.8	82	6.0	246	8
23/12/24 02:00	3	12					13.7	81	6.2	245	8

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/12/24 03:00	5	13	0	3	4	1	13.5	79	6.8	247	7
23/12/24 04:00	4	17	1	5	5	1	13.0	79	6.2	251	8
23/12/24 05:00	6	16	1	5	7	1	12.9	81	6.3	250	7
23/12/24 06:00	5	16	5	7	12	1	12.9	80	5.7	250	8
23/12/24 07:00	2	11	3	5	8	1	13.3	79	6.6	247	8
23/12/24 08:00	-1	14	2	3	5	1	14.4	73	7.3	240	7
23/12/24 09:00	-1	15	1	2	3	1	15.7	68	8.4	229	8
23/12/24 10:00	2	17	1	1	2	1	15.7	71	7.6	218	7
23/12/24 11:00	4	18	4	2	6	1	16.5	66	8.2	209	8
23/12/24 12:00	1	13	0	1	1	1	16.5	66	7.9	215	8
23/12/24 13:00	-1	12	2	1	4	1	16.5	70	7.9	208	6
23/12/24 14:00	0	14	4	3	7	1	17.3	64	6.7	202	8
23/12/24 15:00	4	24	34	10	44	1	17.7	63	7.3	196	9
23/12/24 16:00	9	24	55	11	66	2	17.8	63	7.7	195	9
23/12/24 17:00	6	17	2	1	3	1	17.7	65	9.5	206	7
23/12/24 18:00	4	22	1	1	2	1	17.5	68	8.4	197	6
23/12/24 19:00	7	21	0	1	1	1	17.6	65	9.1	213	7
23/12/24 20:00	5	26	0	1	1	1	17.6	67	9.4	200	6
23/12/24 21:00	4	30	0	0	1	1	17.4	64	10.0	201	6
23/12/24 22:00	6	23	0	1	1	1	16.5	68	8.6	219	7
23/12/24 23:00	5	18	0	3	3	1	15.7	71	6.8	242	8
24/12/24 00:00	5	17	1	3	4	1	15.3	74	6.7	236	8
24/12/24 01:00	6	17	1	4	5	2	15.5	72	6.7	243	8
24/12/24 02:00	4	23					15.5	73	6.5	234	8
24/12/24 03:00	3	22	1	4	5	2	15.7	73	6.2	239	8
24/12/24 04:00	4	19	1	4	5	2	15.4	77	7.0	237	7
24/12/24 05:00	3	16	2	6	7	2	14.4	88	4.8	244	8
24/12/24 06:00	2	17	1	4	4	2	15.2	80	5.7	236	8
24/12/24 07:00	1	16	2	5	7	2	15.6	78	4.9	245	8
24/12/24 08:00	0	16	2	4	5	2	16.2	76	5.5	245	8
24/12/24 09:00	0	9	2	2	4	2	17.1	73	5.9	233	8
24/12/24 10:00	-1	10	1	1	2	2	17.9	71	5.3	217	9
24/12/24 11:00	-1	7	3	3	6	2	18.7	68	4.8	204	7
24/12/24 12:00	1	13	7	3	10	2	19.3	67	4.9	199	6
24/12/24 13:00	0	12	7	4	11	2	20.6	63	2.7	169	16
24/12/24 14:00	-2	8	1	1	2	2	20.7	63	2.6	135	19
24/12/24 15:00	0	8	2	2	4	2	21.4	61	2.4	149	20
24/12/24 16:00	5	15	6	3	10	2	22.2	62	2.9	174	15
24/12/24 17:00	3	18	14	5	19	2	22.2	62	3.1	175	15
24/12/24 18:00	2	18	10	4	14	2	21.7	66	3.3	174	15
24/12/24 19:00	2	24	1	2	3	2	21.3	69	2.9	173	15
24/12/24 20:00	1	19	1	3	4	2	20.2	76	3.7	177	13
24/12/24 21:00	-2	16	0	1	1	2	19.3	81	4.0	178	12
24/12/24 22:00	-1	26	0	1	1	2	19.2	81	3.4	174	15
24/12/24 23:00	4	15	0	1	1	2	18.8	80	2.3	149	18
25/12/24 00:00	3	28	0	2	2	2	18.4	80	2.6	95	7
25/12/24 01:00	1	25	0	2	2	2	18.3	79	2.4	91	9
25/12/24 02:00	2	17					18.1	79	2.1	83	11
25/12/24 03:00	-1	14	0	2	2	2	17.8	80	2.1	80	11
25/12/24 04:00	-1	16	0	2	2	2	17.7	81	1.9	56	14
25/12/24 05:00	-1	7	0	3	3	2	17.9	77	2.0	51	15
25/12/24 06:00	-3	7	0	2	2	1	18.2	75	2.2	53	14
25/12/24 07:00	-2	7	1	2	3	2	18.8	72	1.6	22	19
25/12/24 08:00	-2	10	2	2	4	1	19.7	69	1.6	57	21
25/12/24 09:00	0	8	1	2	3	2	21.0	66	1.8	108	21
25/12/24 10:00	0	16	1	2	3	2	21.9	64	1.8	151	24
25/12/24 11:00	-1	10	0	2	2	2	22.6	65	1.9	154	25
25/12/24 12:00	1	18	0	2	2	1	23.4	65	1.5	152	27
25/12/24 13:00	1	15	1	2	3	1	24.9	65	2.2	163	19
25/12/24 14:00	2	13	0	2	3	1	26.4	59	2.4	160	22
25/12/24 15:00	0	28	1	3	3	1	27.3	55	2.6	160	25
25/12/24 16:00	1	25	1	3	3	1	28.4	48	3.0	161	20
25/12/24 17:00	3	35	1	3	3	1	30.3	38	2.8	135	20
25/12/24 18:00	5	50	1	4	5	2	32.1	33	5.2	101	8
25/12/24 19:00	5	27	0	3	4	1	32.2	31	4.8	93	7
25/12/24 20:00	4	21	0	5	5	1	31.1	33	3.9	84	9
25/12/24 21:00	5	13	0	6	6	2	29.9	36	3.5	73	10
25/12/24 22:00	5	12	1	9	10	2	29.5	35	2.3	52	14
25/12/24 23:00	4	19	1	9	11	2	29.4	33	2.0	11	22
26/12/24 00:00	4	13	1	8	8	2	28.6	34	2.0	15	19
26/12/24 01:00	2	27	0	5	6	1	28.1	34	2.7	1	20
26/12/24 02:00	0	16					27.5	35	3.2	356	20
26/12/24 03:00	-1	18	0	3	4	1	26.9	35	3.0	5	21
26/12/24 04:00	0	16	0	3	3	1	27.0	34	2.7	8	22
26/12/24 05:00	2	12	0	4	4	1	26.5	35	1.9	354	27
26/12/24 06:00	2	15	0	5	5	1	26.3	35	2.0	358	23
26/12/24 07:00	3	19	1	7	8	1	27.5	34	1.6	352	29
26/12/24 08:00	3	22	3	6	9	1	30.3	29	2.8	355	28
26/12/24 09:00	3	30	1	4	6	1	31.8	25	4.0	356	26
26/12/24 10:00	2	27	1	5	6	1	32.3	24	3.9	350	28
26/12/24 11:00	2	28	1	5	6	1	32.8	24	4.0	354	29
26/12/24 12:00	0	28	1	4	6	1	34.1	22	4.4	3	23
26/12/24 13:00	2	38	2	5	7	1	35.4	19	2.8	346	27
26/12/24 14:00	0	22	1	4	5	1	37.0	14	3.9	302	23
26/12/24 15:00	-2	29	1	6	7	1	37.3	13	4.6	297	18
26/12/24 16:00	0	44	1	4	5	1	36.0	16	6.4	277	14
26/12/24 17:00	2	37	1	6	7	1	34.6	18	6.1	274	13
26/12/24 18:00	4	48	0	3	3	1	34.9	16	5.8	278	14
26/12/24 19:00	3	73	0	4	4	1	33.1	20	5.1	268	13
26/12/24 20:00	1	55	0	5	6	1	32.6	20	2.1	285	15
26/12/24 21:00	12	66	12	11	23	1	25.6	57	6.9	216	7
26/12/24 22:00	9	35	14	5	19	1	21.5	78	6.8	211	8
26/12/24 23:00	7	29	0	1	1	1	21.1	71	5.0	215	7
27/12/24 00:00	8	23	1	4	4	1	21.4	63	5.9	240	9
27/12/24 01:00	6	15	1	4	4	2	20.7	61	6.2	243	9
27/12/24 02:00	4	22					20.1	54	7.3	258	10
27/12/24 03:00	5	21	0	5	5	2	19.4	54	6.4	260	9
27/12/24 04:00	5	22	1	5	5	2	19.0	55	6.9	254	9
27/12/24 05:00	3	23	0	5	5	2	18.2	56	4.5	266	12
27/12/24 06:00	5	20	1	9	10	2	17.8	56	3.7	274	14
27/12/24 07:00	4	20	3	7	10	2	17.7	60	5.7	260	11
27/12/24 08:00	3	18	3	6	9	2	17.7	63	6.3	249	10
27/12/24 09:00	0	14	3	4	7	2	18.2	64	6.9	238	9
27/12/24 10:00	4	12	2	2	4	2	18.8	63	6.9	239	9
27/12/24 11:00	4	14	3	4	7	2	19.1	63	7.3	214	7
27/12/24 12:00	10	26	45	13	58	4	19.8	56	4.4	195	12

Station Pier Ambient Air Quality Monitoring											
December 2024											
1-Hour Data											
Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/12/24 13:00	7	30	32	7	39	5	20.8	53	4.4	192	12
27/12/24 14:00	5	35	1	1	3	2	20.5	58	4.0	176	14
27/12/24 15:00	6	34	1	1	2	2	21.1	58	3.3	168	19
27/12/24 16:00	6	37	0	1	1	2	20.7	59	3.8	170	18
27/12/24 17:00	6	48	0	1	1	2	20.1	60	4.0	170	17
27/12/24 18:00	6	43	0	1	1	1	19.5	60	3.3	167	22
27/12/24 19:00	6	28	0	1	1	2	19.1	59	2.9	153	23
27/12/24 20:00	4	31	0	2	2	2	19.0	62	3.3	167	18
27/12/24 21:00	3	28	0	1	1	2	18.5	63	3.4	141	19
27/12/24 22:00	5	32	0	1	1	2	18.3	63	3.1	121	16
27/12/24 23:00	4	34	0	3	4	2	18.2	60	1.3	191	17
28/12/24 00:00	3	21	2	6	8	2	17.7	60	4.8	232	7
28/12/24 01:00	4	19	1	6	8	3	17.1	61	4.0	237	8
28/12/24 02:00	5	26					16.3	60	1.8	275	15
28/12/24 03:00	5	25	1	9	10	2	15.7	61	1.8	302	11
28/12/24 04:00	4	22	3	10	13	2	15.1	63	1.1	335	28
28/12/24 05:00	3	22	5	14	19	2	15.0	63	1.4	334	26
28/12/24 06:00	4	25	3	10	13	2	14.5	66	1.7	330	22
28/12/24 07:00	4	41	10	11	21	3	15.8	59	1.5	328	26
28/12/24 08:00	2	21	7	8	15	3	17.4	50	1.7	316	29
28/12/24 09:00	1	19	2	2	4	2	19.0	48	3.0	275	19
28/12/24 10:00	2	12	1	2	2	2	20.2	46	3.4	271	16
28/12/24 11:00	1	13	1	2	3	2	21.3	43	3.0	274	16
28/12/24 12:00	-1	12	1	2	2	2	22.5	38	3.1	277	19
28/12/24 13:00	-2	17	1	3	3	2	22.9	40	4.5	265	12
28/12/24 14:00	-1	7	1	2	3	2	23.4	40	5.8	262	10
28/12/24 15:00	2	15	2	4	6	2	19.8	68	7.1	240	7
28/12/24 16:00	2	15	2	3	6	2	21.8	55	4.1	252	12
28/12/24 17:00	1	19	1	2	3	2	20.5	69	7.4	233	12
28/12/24 18:00	1	9	1	1	2	2	18.8	81	8.4	225	6
28/12/24 19:00	0	6	0	1	1	2	19.2	73	6.9	222	6
28/12/24 20:00	1	4	0	1	1	2	19.3	70	3.9	208	7
28/12/24 21:00	1	8	0	1	1	2	19.1	68	3.4	218	7
28/12/24 22:00	3	15	0	1	1	2	18.8	71	2.8	180	11
28/12/24 23:00	3	16	0	4	5	2	18.6	64	3.0	225	10
29/12/24 00:00	0	17	3	11	14	2	18.2	61	3.9	240	8
29/12/24 01:00	2	19	1	5	6	3	17.6	65	4.9	236	7
29/12/24 02:00	3	19					16.9	69	4.1	243	8
29/12/24 03:00	3	20	1	7	8	3	15.9	69	1.7	294	12
29/12/24 04:00	6	22	7	12	18	3	15.0	72	1.5	320	13
29/12/24 05:00	6	18	19	14	33	3	14.7	74	1.6	325	15
29/12/24 06:00	2	23	21	13	35	3	14.7	74	1.4	328	16
29/12/24 07:00	6	27	27	14	40	4	15.9	69	1.0	343	32
29/12/24 08:00	4	24	5	5	9	4	16.9	67	1.8	266	23
29/12/24 09:00	2	19	2	3	5	4	17.9	64	2.4	245	18
29/12/24 10:00	3	19	2	3	4	3	19.7	57	0.7	250	39
29/12/24 11:00	3	16	1	2	3	3	21.7	53	1.9	141	17
29/12/24 12:00	2	12	0	1	2	3	22.4	52	2.3	151	20
29/12/24 13:00	2	14	0	1	1	3	22.3	53	2.6	132	17
29/12/24 14:00	0	18	0	1	1	3	22.3	55	3.0	132	16
29/12/24 15:00	0	12	0	1	1	3	23.7	49	2.2	133	18
29/12/24 16:00	3	18	0	1	1	3	24.3	49	2.4	128	15
29/12/24 17:00	2	17	0	1	1	3	24.2	52	2.5	147	24
29/12/24 18:00	1	18	0	2	2	3	23.5	61	4.0	177	13
29/12/24 19:00	3	26	1	2	3	3	22.0	69	5.1	179	11
29/12/24 20:00	3	25	0	1	1	3	21.0	72	5.3	178	11
29/12/24 21:00	2	30	0	1	1	2	20.6	73	3.4	139	14
29/12/24 22:00	1	42	0	2	2	3	19.9	73	4.3	103	9
29/12/24 23:00	3	24	0	2	2	2	19.2	78	3.0	109	14
30/12/24 00:00	3	20	0	3	3	2	18.8	79	2.7	109	13
30/12/24 01:00	3	27	0	5	6	2	18.5	79	2.4	99	11
30/12/24 02:00	3	9					18.3	78	1.7	126	18
30/12/24 03:00	1	11	0	5	5	2	18.2	77	1.9	103	12
30/12/24 04:00	0	13	0	6	6	2	18.1	76	1.0	114	20
30/12/24 05:00	-2	11	0	3	4	2	17.8	77	0.9	90	16
30/12/24 06:00	-2	13	3	7	9	2	17.7	77	0.9	60	14
30/12/24 07:00	3	16	5	5	10	2	19.4	70	0.8	82	17
30/12/24 08:00	3	15	4	3	7	2	20.6	67	1.1	176	24
30/12/24 09:00	1	13	12	8	21	2	20.9	66	1.6	175	21
30/12/24 10:00	3	15	16	8	24	2	20.6	69	2.6	198	9
30/12/24 11:00	3	22	20	11	30	2	21.6	69	2.5	184	14
30/12/24 12:00	6	23	24	15	39	3	23.5	62	2.3	171	18
30/12/24 13:00	2	23	13	13	26	2	24.1	63	2.8	164	19
30/12/24 14:00	2	24	16	15	31	3	24.7	63	2.5	167	19
30/12/24 15:00	2	21	8	9	17	2	25.0	61	2.8	164	18
30/12/24 16:00	8	27	23	14	38	2	25.1	62	3.2	176	17
30/12/24 17:00	13	37	46	23	69	3	23.8	69	3.7	183	11
30/12/24 18:00	7	20	6	8	14	2	22.4	73	6.4	187	6
30/12/24 19:00	3	18	4	4	8	2	21.6	73	7.2	187	6
30/12/24 20:00	2	19	7	4	11	2	20.7	75	7.0	186	6
30/12/24 21:00	26	34	75	14	90	3	20.3	78	4.2	180	12
30/12/24 22:00	-2	11	1	1	1	2	20.0	78	2.9	141	21
30/12/24 23:00	-1	9	0	1	1	2	20.0	78	3.2	146	20
31/12/24 00:00	-2	14	0	1	1	2	19.6	78	2.8	132	20
31/12/24 01:00	-3	12	0	1	1	2	19.5	78	2.2	122	20
31/12/24 02:00	-3	17					19.5	76	1.9	104	16
31/12/24 03:00	-2	17	0	1	1	2	19.4	75	2.2	90	10
31/12/24 04:00	1	10	0	2	2	2	19.3	74	2.1	91	10
31/12/24 05:00	1	10	0	4	4	2	18.8	77	1.5	77	11
31/12/24 06:00	0	11	0	6	6	2	18.8	79	1.4	79	11
31/12/24 07:00	-1	9	2	4	6	2	20.1	72	1.5	98	11
31/12/24 08:00	-1	9	1	2	4	2	20.7	69	1.2	164	16
31/12/24 09:00	-1	10	1	1	2	2	21.5	67	2.4	170	18
31/12/24 10:00	-1	10	0	1	1	2	21.8	64	2.8	178	16
31/12/24 11:00	1	14	1	1	2	2	21.4	67	3.5	187	10
31/12/24 12:00	0	12	3	3	6	2	21.6	64	3.7	188	11
31/12/24 13:00	-1	14	2	3	5	2	22.3	62	3.7	184	11
31/12/24 14:00	-1	19	1	1	2	2	23.3	60	3.3	175	15
31/12/24 15:00	-1	27	0	1	1	2	23.9	58	3.3	166	18
31/12/24 16:00	5	37	0	1	2	2	24.0	58	3.6	178	14
31/12/24 17:00	5	21	54	16	70	2	23.7	59	4.7	184	10
31/12/24 18:00	3	18	133	18	150	3	22.8	63	5.4	186	9
31/12/24 19:00	2	22	45	8	54	2	22.0	68	6.0	183	9
31/12/24 20:00	3	31	7	4	12	2	21.2	70	4.0	171	18
31/12/24 21:00	5	17	2	2	3	2	20.1	74	3.4	152	22
31/12/24 22:00	6	14	0	1	1	2	19.3	76	3.8	140	17

Station Pier Ambient Air Quality Monitoring
December 2024
1-Hour Data

Date/Time	PM _{2.5} (µg/m³)	PM ₁₀ (µg/m³)	NO (ppb)	NO ₂ (ppb)	NO _x (ppb)	SO ₂ (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/12/24 23:00	3	13	0	1	1	2	18.9	76	3.4	129	15
01/01/25 00:00	1	18	0	2	2	2	18.7	78	2.5	123	17

Station Pier Ambient Air Quality Monitoring

December 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 (°)
12/1/2024	-1	9	1	7	7	2	21.8	67	2.2	294	19
12/2/2024	0	16	7	9	17	2	25.7	54	1.3	349	24
12/3/2024	3	21	2	5	6	2	23.8	66	2.0	237	17
12/4/2024	4	29	3	4	7	2	18.9	68	3.2	185	14
12/5/2024	6	32	11	14	25	3	23.9	59	0.7	133	20
12/6/2024	6	26	2	14	16	1	23.9	62	1.0	187	16
12/7/2024	6	19	20	15	34	2	22.5	76	3.5	219	14
12/8/2024	3	25	2	3	5	2	18.0	63	3.8	215	12
12/9/2024	4	23	4	6	9	2	17.7	63	1.7	195	14
12/10/2024	1	21	1	2	3	2	18.7	64	3.3	183	13
12/11/2024	1	19	3	4	6	2	18.9	65	2.5	205	14
12/12/2024	1	17	5	5	10	3	20.6	70	1.8	207	16
12/13/2024	0	15	5	4	9	2	19.6	74	2.8	197	13
12/14/2024	2	22	3	6	9	2	19.3	69	2.0	146	14
12/15/2024	8	29	2	7	9	2	21.8	73	1.4	171	14
12/16/2024	9	56	2	11	12	2	29.4	50	0.9	355	20
12/17/2024	6	33	7	6	13	3	20.4	64	5.4	210	10
12/18/2024	5	31	14	6	20	2	19.0	64	4.2	178	14
12/19/2024	4	31	8	8	16	2	21.9	58	1.8	122	19
12/20/2024	8	35	5	8	13	3	24.4	53	2.1	183	16
12/21/2024	5	27	12	5	17	3	18.8	66	5.5	187	11
12/22/2024	2	22	2	3	5	1	17.4	66	3.0	195	15
12/23/2024	4	18	5	3	8	1	15.7	71	7.1	221	7
12/24/2024	2	16	3	3	6	2	18.4	73	3.5	211	11
12/25/2024	1	18	1	3	4	2	24.4	57	1.8	96	17
12/26/2024	3	32	2	5	7	1	30.1	32	2.4	298	19
12/27/2024	5	26	4	4	8	2	19.2	59	3.6	221	13
12/28/2024	2	17	2	5	7	2	18.8	59	3.1	248	14
12/29/2024	3	21	4	4	8	3	19.6	65	1.4	168	17
12/30/2024	3	19	12	8	20	2	20.9	72	2.5	166	15
12/31/2024	1	16	11	4	15	2	20.9	69	2.6	160	14

Valid Data Exception Table

December 2024

GHD Station Pier

Start Date	End Date	Reason	Change Details	User Name	Change Date
01/12/24 00:00	01/01/25 00:00	Static offset of +1.6 ppb applied to correct SO ₂ baseline	SO ₂	AA	14/01/25
01/12/24 01:00	31/12/24 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	14/01/25
01/12/24 23:45	31/12/24 23:50	Automatic background checks from 23:45 to 23:50 every night	SO ₂	AA	14/01/25
02/12/24 02:00	03/12/24 00:55	Linear offsets of A= +0.0ppb; B = +1.5ppb applied to correct baseline drift	SO ₂	AA	14/01/25
03/12/24 17:10	30/12/24 19:55	Intermittent unrealistic negative readings	NO, NO ₂ , NO _x	AA	14/01/25
16/12/24 02:00	17/12/24 00:55	Linear offsets of A= +0.0ppb; B = +1.0ppb applied to correct baseline drift	SO ₂	AA	14/01/25
17/12/24 04:00	17/12/24 04:00	Instrument fault - Unrealistic reading	PM ₁₀	AA	14/01/25
17/12/24 09:25	07/11/24 11:00	Scheduled monthly maintenance	NO, NO ₂ , NO _x , SO ₂ , PM _{2.5} , PM ₁₀	AA	14/01/25

Kunak VIC 6

Start Date	End Date	Reason	Change Details	User Name	Change Date
01/12/24 23:00	30/12/24 23:50	Intermittent instrument fault - Data transmission error	NO ₂ , O ₃ , SO ₂	AA	14/01/25
17/12/24 10:00	17/12/24 13:30	Scheduled monthly maintenance	Nil	AA	14/01/25

Kunak VIC 7- 40 Beacon Vista

Start Date	End Date	Reason	Change Details	User Name	Change Date
13/12/24 08:20	13/12/24 17:55	Intermittent instrument fault - Data transmission error	PM _{2.5} , PM ₁₀	AA	14/01/25

17/12/24 12:10	17/12/24 12:10	Non scheduled maintenance - The station was decommissioned	All parameters	AA	14/01/25
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Kunak VIC 8 - Site 2

Start Date	End Date	Reason	Change Details	User Name	Change Date
01/12/24 00:00	20/12/24 11:10	Sensor powered up in workshop after repair, testing before data collection begins	Nil	AA	14/01/25

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



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