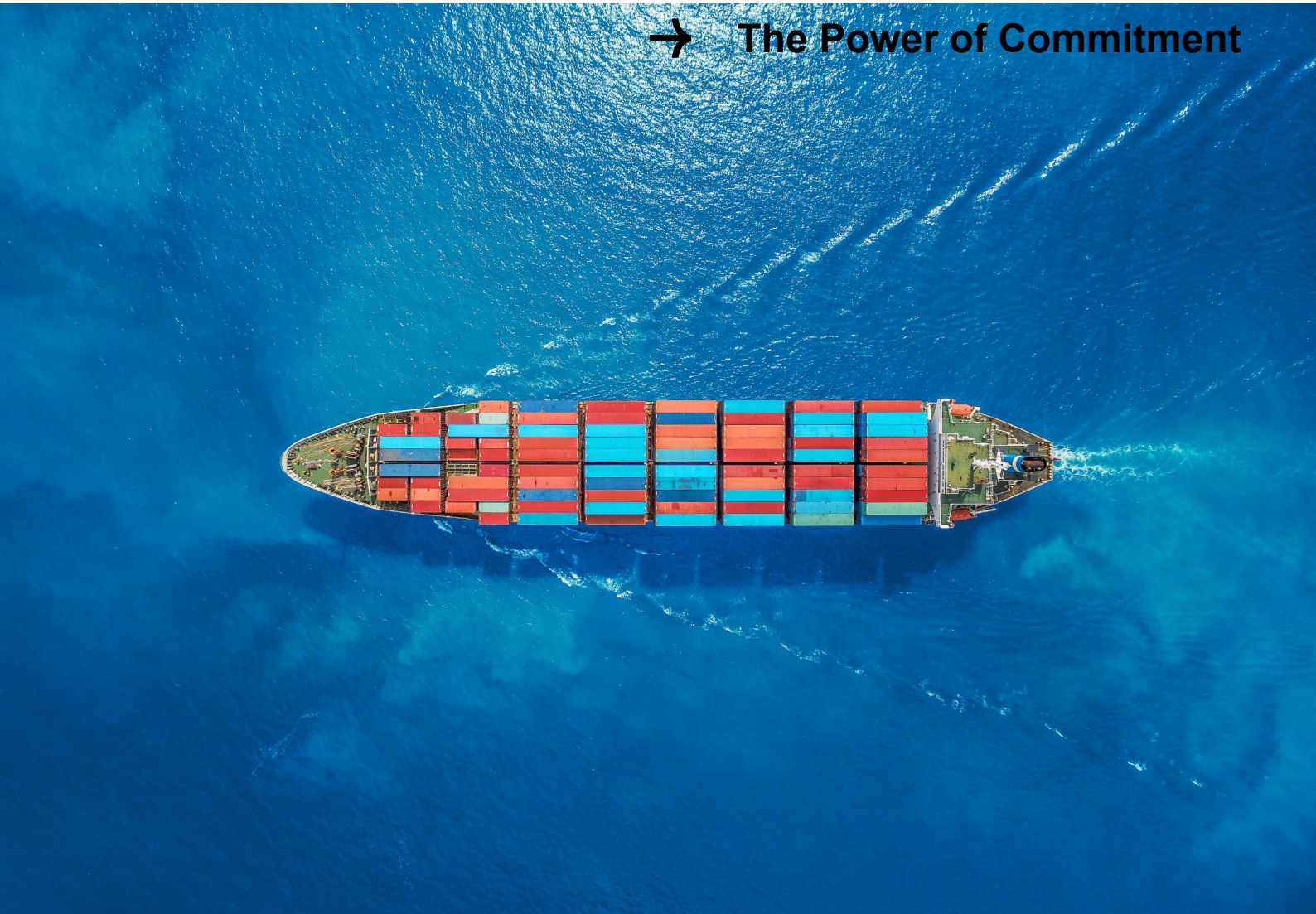
Station Pier Air Quality Monitoring Program

Air Quality Monitoring Report – December 2023

Ports Victoria

12 March 2024



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The Power of Commitment

Executive Summary

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, EPA and the local community with a greater understanding of local air quality from Station Pier operations by undertaking an air quality monitoring program for a period of twelve months to cover the cruise and non-cruise ship visit seasons, and seasonal weather variations. Since a previous study undertaken at Station Pier in 2016/2017, two significant events have occurred which have the potential to reduce sulphur dioxide emissions, and vessel emissions more broadly. These include the introduction of low-sulphur marine fuels in 2020 and the relocation of the TT line from Station Pier to Geelong in 2020. One of the aims of this air quality monitoring program is to provide data to assess the ambient air quality environment against the relevant standards as well as potential changes since the 2016/2017 study.

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

The parameters measured as part of the air quality monitoring program include wind speed, wind direction, temperature, relative humidity, sigma, PM_{10}, $PM_{2.5}$, NO_2, and SO_2 concentrations.

The monitoring period for this report is 1 December 2023 to 31 December 2023. Observations of each of the above parameters during this monitoring period have been presented and, where relevant, compared against observations from the local EPA AQMSs and the adopted Air Pollution Assessment Criteria (APACs) from the EPA Publication 1961. Vessel presence at the port has also been considered.

Comparison against the EPA AQMS observations showed some positive correlation (0.5 to 0.8) for 24-hour average PM_{10} concentrations and 1-hour average NO_2 concentrations. Minimal correlation was observed for $PM_{2.5}$ and SO_2 concentrations. Average observed concentrations were higher when a vessel was in port compared with when no vessels were in port across all pollutants.

All observations during the month of December 2023 were lower than the adopted short term criteria (1-hour and 24-hour).

Glossary

Term	Meaning
ACOEM	Acoem Australasia (EcoTech Pty Ltd)
APACs	Air pollution assessment criteria
API	Application Programming Interface
AQMP	Air quality monitoring plan
AQMS	Air quality monitoring station
AWS	Automatic weather station
BAM	Beta Attenuation Monitor
BoM	Bureau of Meteorology
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.
EPA	Environment Protection Authority
EP Act	Environment Protection Amendment Act 2018
ERS	Environment Reference Standard
GED	General environmental duty
GHD	GHD Pty Ltd
NATA	National Association of Testing Authorities
NO_2	Nitrogen dioxide
NO	Nitrogen oxide
NOx	Nitrogen oxides
OHS	Occupational health and safety
$PM_{2.5}$	Particulate matter less than 2.5 µm in aerodynamic equivalent diameter
PM_{10}	Particulate matter less than 10 µm in aerodynamic equivalent diameter
Sigma	Standard deviation of wind direction, can be used to calculate atmospheric stability
SO_2	Sulphur dioxide
Vessel in port	Vessel berthed at Station Pier. Does not include vessels approaching or departing Station Pier.

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Attachments

Attachment 1 December 2023 NATA Accredited data

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, EPA 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.

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 a NATA accredited company, and conduct 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, Port Melbourne Victoria, between 04 and 31 December 2023. The validated monitoring data (presented in Attachment 1) was provided by ACOEM.

1.1 Scope of work

The scope of this monthly report is summarised in Table 1.1.

Table 1.1 Scope of AQMP

Scope item no.	Scope of work	Description	Refer to section of AQMP
1	Project summary	Relevant modelling and monitoring activities that have occurred historically at Station Pier and the purpose of undertaking the current air quality monitoring program occurring between 2023 and 2024.	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 3
3	Parameters measured	Summary of monitoring equipment in the AQMS and the parameters and pollutants measured.	Section 4
4	Data information	Data availability and quality during the period	Section 5
5	Data review	Review of data during the period	Section 6
6	Data analysis	- Direct comparison of measurement data to the assessment criteria summarised in Section 3.3.1. - Assessment of regional air quality data in comparison to measurements undertaken at Station Pier.	Section 7
7	Summary	Summary of findings.	Section 8
8	NATA accredited data	Validated data provided by ACOEM	Appendix A

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. Project background

A previous air quality monitoring program was undertaken in the period 2016-17, which found that:

- Peak sulphur dioxide concentrations at the site corresponded with the presence of ships and were generally higher than concentrations recorded at the local EPA stations.
- Sulphur dioxide concentrations were lower than the Victoria State Environment Protection Policy (Air Quality Management) (SEPP AQM) intervention levels or the National Environment Protection Measure for Ambient Air Quality (AAQ NEPM) goal during the monitoring period. It is noted that the Victorian ERS and the AAQ NEPM have since been updated, and measurements from 2016-2017 would be above these levels.
- Peak sulphur dioxide concentrations occurred during Spirit of Tasmania movements near berth.
- Community concerns were noted that the siting/location of the station at ground level, close to vessels, was not representative of the exposure at elevated residences in the Beacon Cove community.

Since the study undertaken in 2017, two significant events have occurred which have the potential to reduce sulphur dioxide emissions, and vessel emissions more broadly. These include the introduction of low-sulphur marine fuels in 2020 and the relocation of the TT line from Station Pier to Geelong in 2020.

The location of the project is shown in Figure 2.1.

Figure 2.1 Air quality monitoring program location

3. Legislative Context

This section 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.

3.1 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.

3.2 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 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 3.1.

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/m3	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 3.1 Table 2.2 from the ERS No. S245 Gazette 26 May 2021, as amended by ERS No S158 Gazette 29 March 2022

3.3 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.

3.3.1 Air Pollution Assessment Criteria

The Air Pollution Assessment Criteria (APACs) are introduced in the EPA Publication 1961 as concentrations of pollutants in air that provide a benchmark to understand potential risks to human health or the environment. They are risk-based concentrations that can help identify when or if an activity is likely to pose an unacceptable risk to

the receiving environment. They are not concentrations which one can 'pollute up to' and also not concentrations below which no action is required. The APACs for PM_{10}, $PM_{2.5}$, NO_2 and SO_2 are based on the ERS.

The APACs relevant to the Station Pier air quality monitoring program are outlined in Table 3.1. Concentrations of each pollutant recorded by the Station Pier AQMS have been compared against these criteria to identify risk to the receiving environment.

Table 3.1 APACs relevant to the monitoring plan

Substance	Assessment criteria	Averaging time	Classification[1]	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		

[1] Substances are classified as per Schedule 4 of the Environmental Protection Regulations 2021

4. Methodology summary

4.1 Parameters measured

The AQMS was installed at Station Pier on 4 December 2023. Table 4.1 summarises the equipment included in the AQMS and the pollutants measured. A photograph of the AQMS is provided in Figure 4.1.

Table 4.1 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 2.1 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_x)	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 4.1 Photograph of AQMS

4.2 Monitoring period

The monitoring period for this report is 1 December 2023 to 31 December 2023.

4.3 Data analysis

Data collected by the AQMS undergoes a NATA accreditation procedure undertaken by ACOEM to ensure all analysed data is valid. Any interruptions in monitoring or removed data are reported in Table 5.1.

Observations of each parameter were processed into averaging periods defined by the relevant APACs. Processed data are presented in Section 6 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.

Observations of each parameter are then presented in Section 7 overlayed with vessel presence, observations at the local EPA AQMS, and 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. It is important to note that while comparison between Station Pier observations and observations at the local EPA AQMS has been undertaken, all AQMS 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.

5. Data information

Table 5.1 summarises the availability and quality of the data measured by the AQMS between 1 December 2023 and 31 December 2023. It should be noted that the AQMS commenced operation on 4 December 2023 and a series of calibrations were undertaken between 4 and 6 December as part of the commissioning of the AQMS.

The BAM was installed on 4 December 2023 and a commissioning phase was undertaken until 20 December 2023 (zero filter inlet used). Data during this period has been excluded during the NATA accreditation process.

The anemometer mast was initially installed at 2 m, and was raised to 10 m on 9 January 2024. Wind conditions observed prior to the 10 m mast installation may be affected by turbulence from the nearby surroundings such as buildings.

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.

The temperature and relative humidity sensors were not available during December 2023. Observations from the Bureau of Meteorology (BoM) automatic weather station (AWS) at Melbourne Olympic Park have been presented.

Table 5.1 AQMS data availability and quality

Parameters	Units	Data availability (%) between 1 and 31 December 2023	Commencement date	Reason for missing data
PM_{10}	µg/m^3	37%	4 December 2023	– Commenced after start of monitoring period – Data between 4 and 20 December 2023 removed due to commissioning phase (zero filter inlet used)
$PM_{2.5}$	µg/m^3	37%	4 December 2023	– Commenced after start of monitoring period – Data between 4 and 20 December 2023 removed due to commissioning phase (zero filter inlet used)
NO_2	ppb	83%	4 December 2023	– Commenced after start of monitoring period – Automatic daily overnight background check followed by instrument stabilisation from 1:00 to 1:55. Data affected intermittently over entire period – Modem connection fault (5 December 10:35 to 15:00) – Intermittent unrealistic negative values throughout entire period – Multipoint calibration check (12 December 07:05 to 09:35)
SO_2	ppb	83%	4 December 2023	– Commenced after start of monitoring period – Automatic daily overnight background check followed by instrument stabilisation from 23:45 to 23:55. Data affected intermittently over entire period – Modem connection fault (5 December 10:35 to 15:00) – Multipoint calibration check (12 December 07:05 to 09:35) – Intermittent unrealistic outlier data (17 to 19 December)
Wind speed	m/s	88%	4 December 2023	– Commenced after start of monitoring period
Wind direction	°	88%	4 December 2023	– Commenced after start of monitoring period

Parameters	Units	Data availability (%) between 1 and 31 December 2023	Commencement date	Reason for missing data
Ambient temperature	°C	0%	Scheduled to be installed in February 2024.	– Sensor unavailable[1]
Relative humidity	%	0%	Scheduled to be installed in February 2024.	– Sensor unavailable[1]
Sigma	°	88%	4 December 2023	– Commenced after start of monitoring period
Note 1: Supplemented with observations from the BoM Melbourne Olympic Park AWS				

6. Data review

6.1 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 6.1 shows the average wind rose for the data period. Note that during this period, the met mast was set at 2 m above ground and was later raised to 10 m on 9 January 2024.

The average wind rose for the data period is shown in Figure 6.1 and it shows the following features:

- The predominant annual average wind direction is from the south-southwest comprising 22% of all incident winds, followed by winds from the southwest (21%).
- The average wind speed is at 2.1 m/s.
- Winds from northeast and northwest quadrants occur less than 5% of the time for each direction.

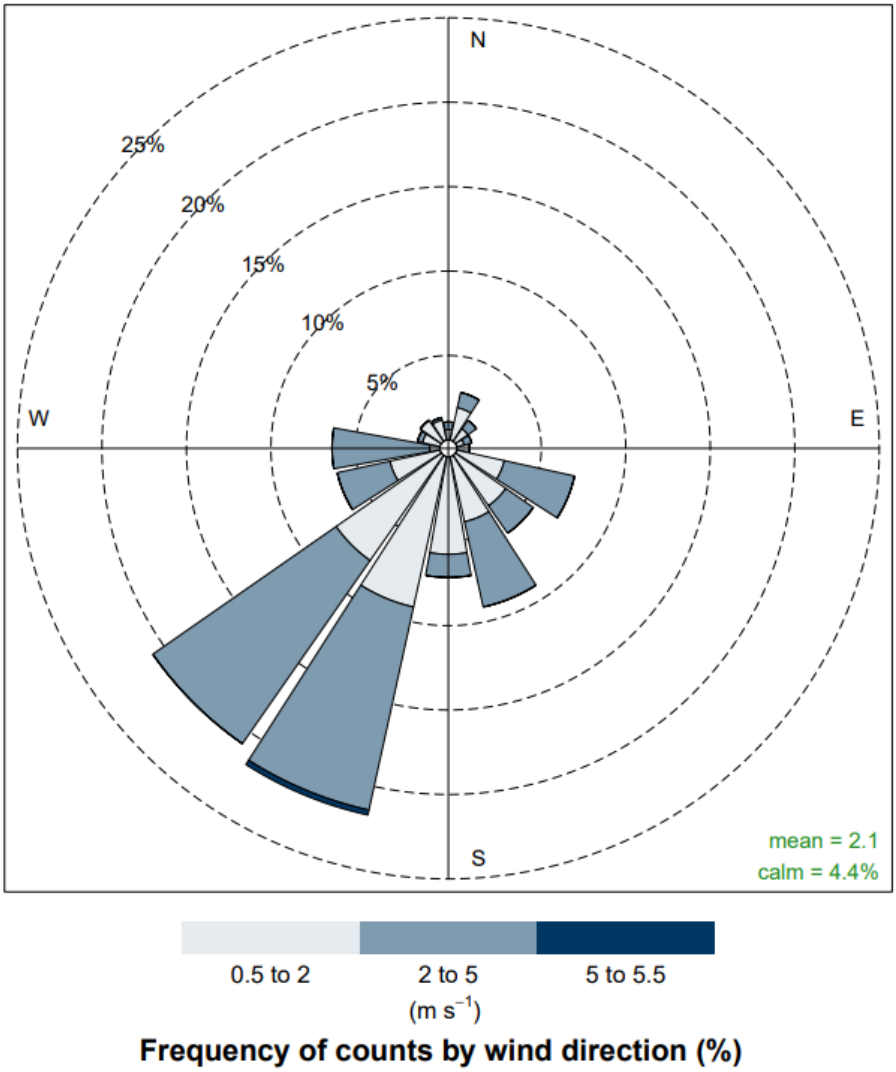

Figure 6.1 December 2023 windrose at Station Pier

6.2 Other meteorological parameters

Temperature, relative humidity and sigma observations are shown in Figure 6.2, Figure 6.3 and Figure 6.4 respectively. The temperature and humidity sensor was not yet installed at Station Pier, therefore observations from the nearest BoM AWS at Melbourne Olympic Park, located approximately 4.8 km northeast of the site, have been presented.

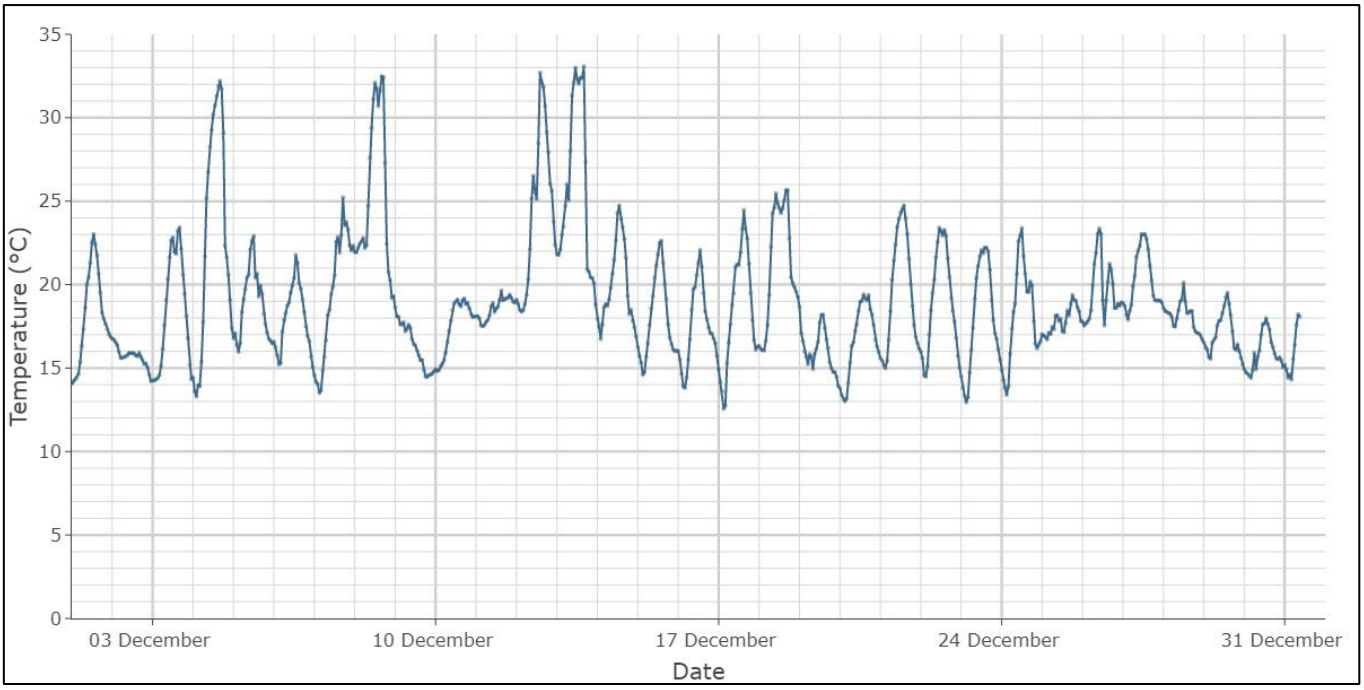

Figure 6.2 December 2023 temperature observations (BoM Melbourne Olympic Park)

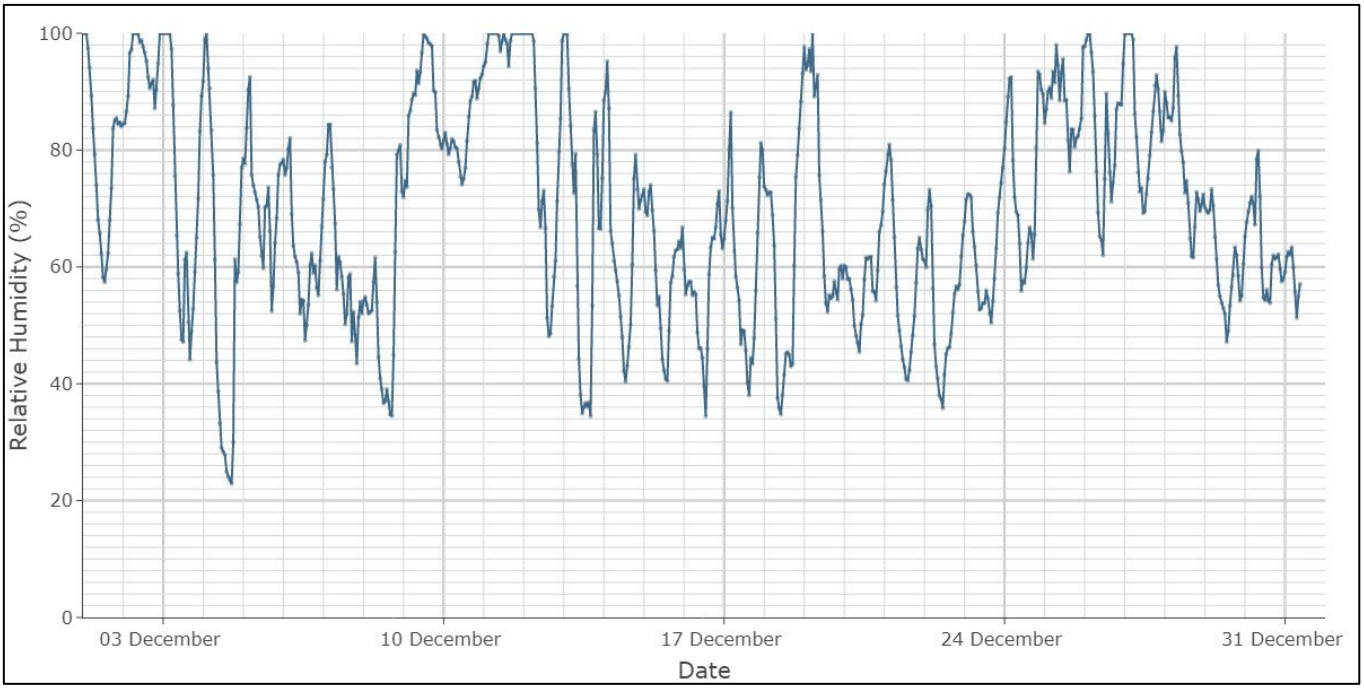

Figure 6.3 December 2023 relative humidity observations (BoM Melbourne Olympic Park)

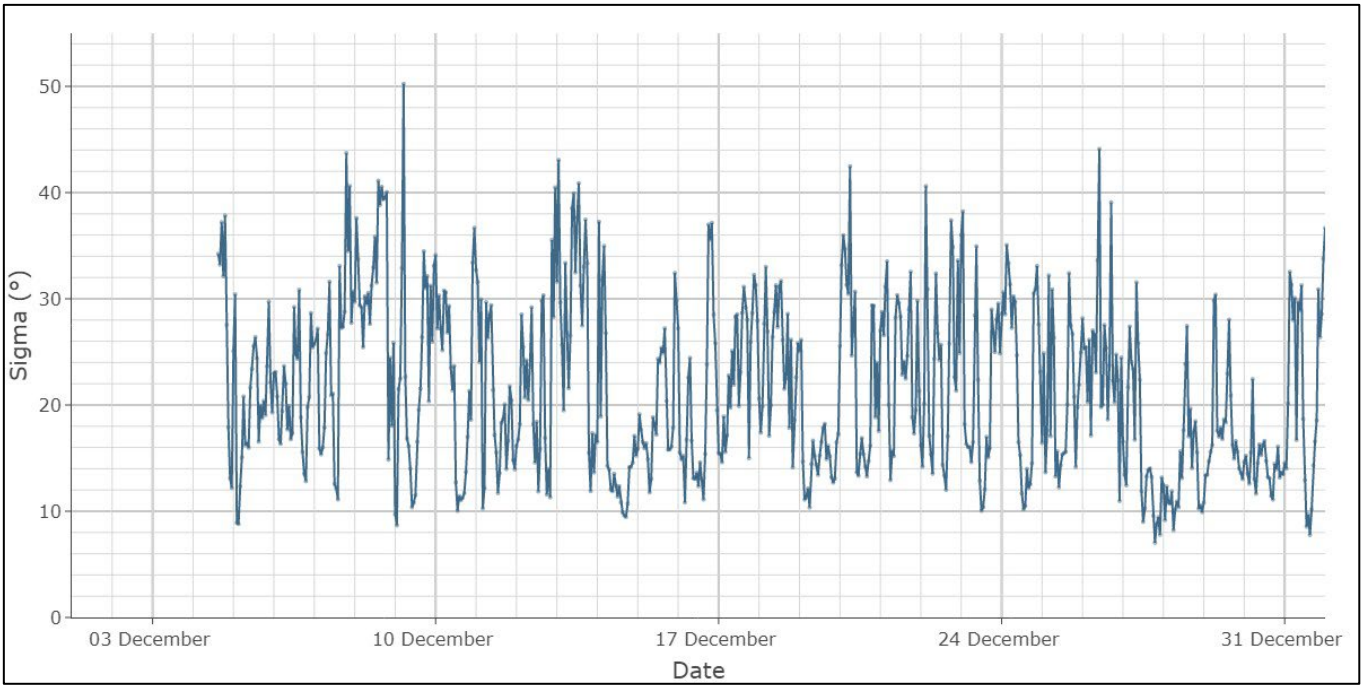

Figure 6.4 December 2023 sigma observations at Station Pier

6.3 PM_{10}

The 24-hour average PM_{10} concentrations observed at the Station Pier AQMS are presented in Figure 6.5 with hours during which a vessel was present in the port highlighted. The hourly average PM_{10} concentrations are also shown in Figure 6.6 by hourly average wind direction, with colouring indicating the presence of a vessel in the port, as well as in Figure 6.7 as pollution roses. As less than one month of data is available, annual average concentrations have not been presented.

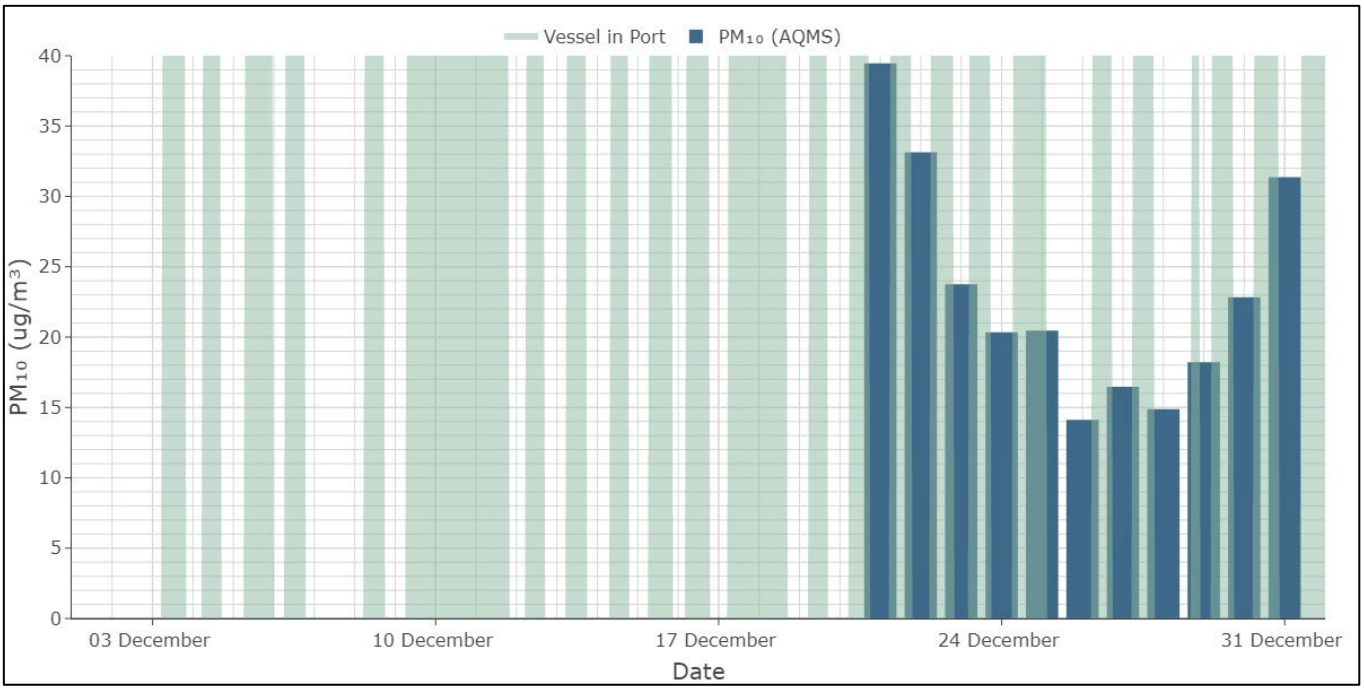

Figure 6.5 24-hour average PM_{10} concentrations (µg/m³) at Station Pier (December 2023) (criteria: 50 µg/m³)

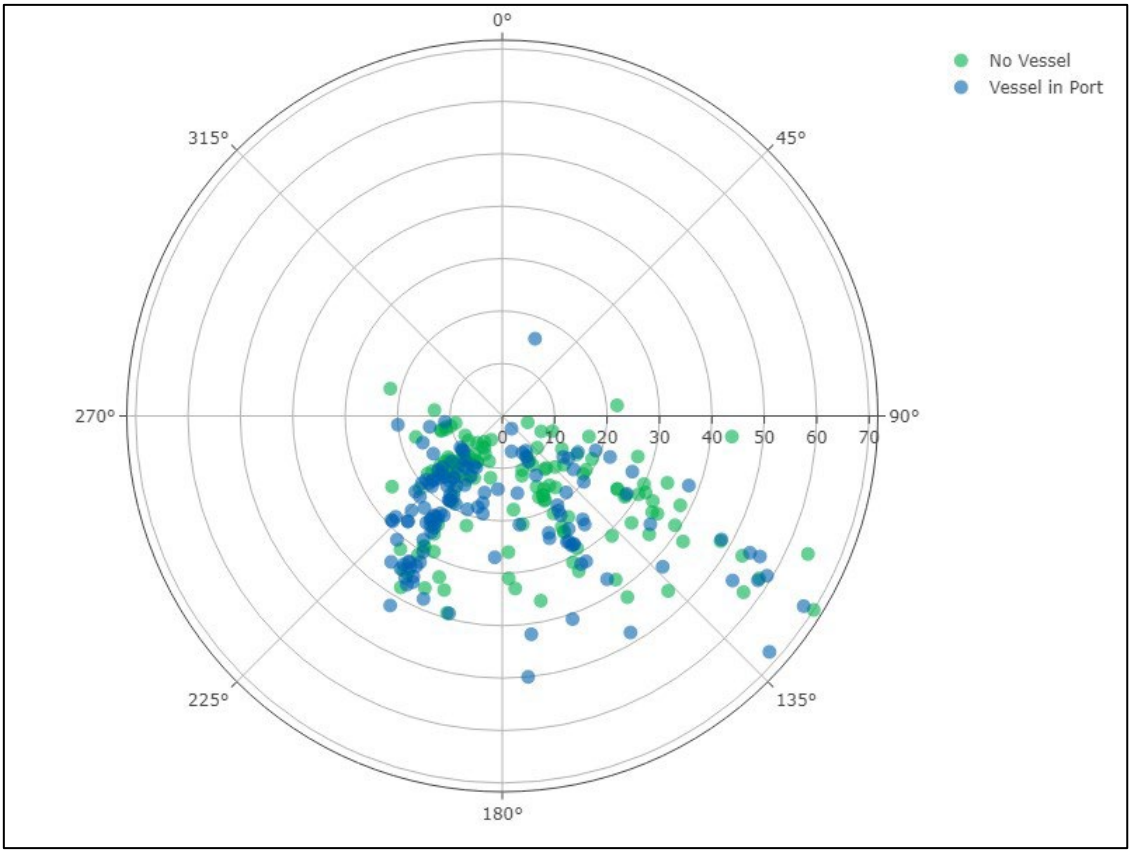

Figure 6.6 Hourly average PM_{10} concentration (µg/m³) by wind direction (December 2023)

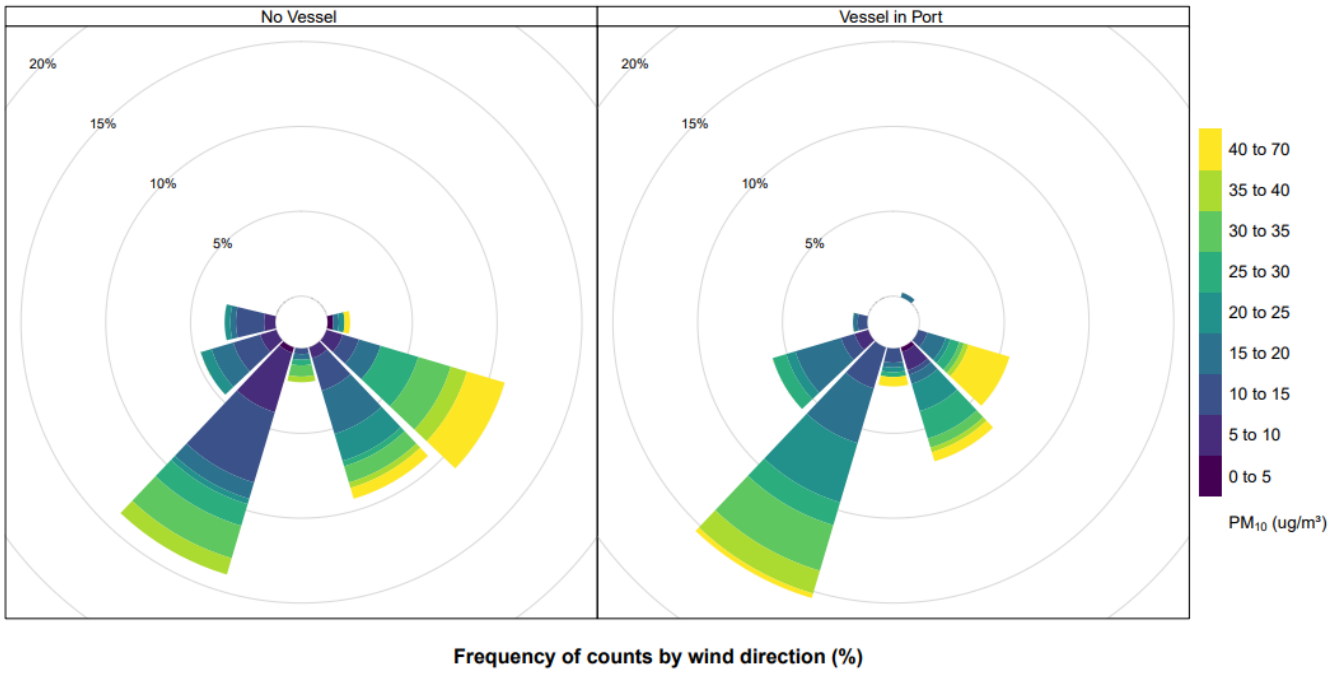

Figure 6.7 Hourly average PM_{10} concentration (µg/m³) pollution roses (December 2023)

6.4 $PM_{2.5}$

The 24-hour average $PM_{2.5}$ concentrations observed at the Station Pier AQMS are presented in Figure 6.8 with hours during which a vessel was present in the port highlighted. The hourly average $PM_{2.5}$ concentrations are also shown in Figure 6.9 by hourly average wind direction, with colouring indicating the presence of a vessel in the port, as well as in Figure 6.10 as pollution roses. As less than one month of data is available, annual average concentrations have not been presented.

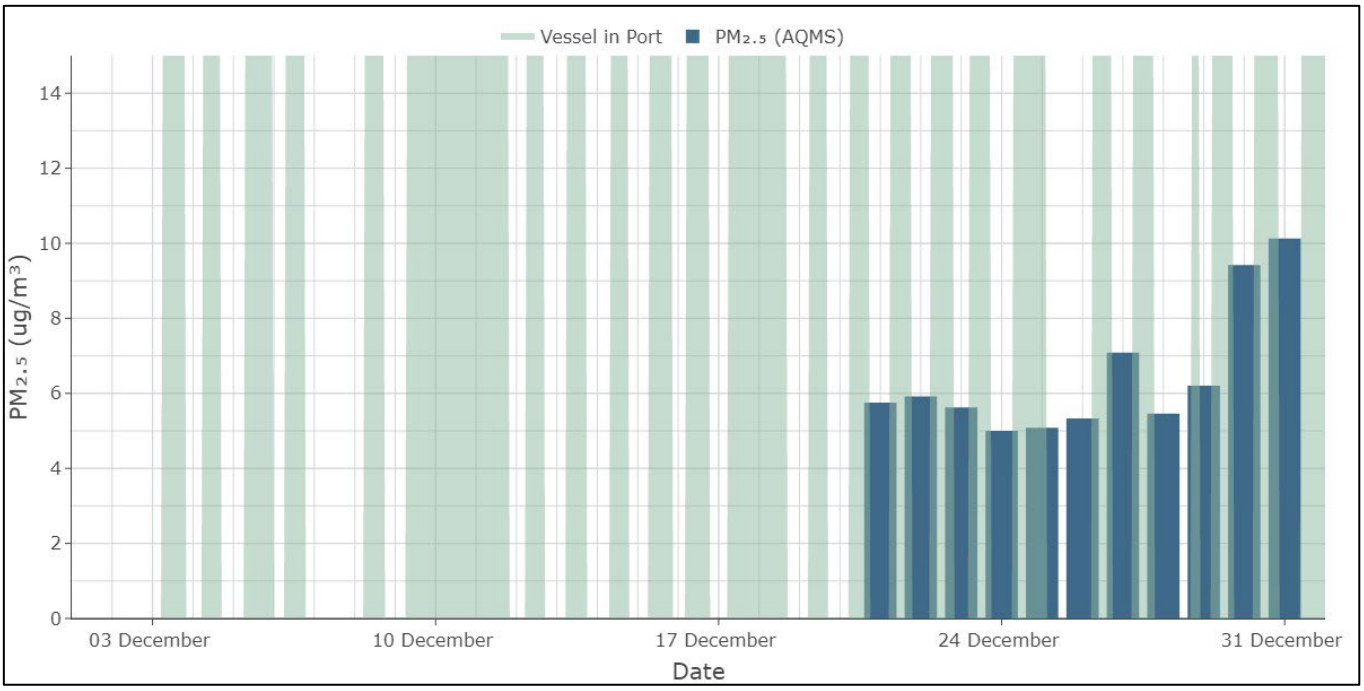

Figure 6.8 24-hour average $PM_{2.5}$ concentrations (µg/m³) at Station Pier (December 2023) (criteria: 25 µg/m³)

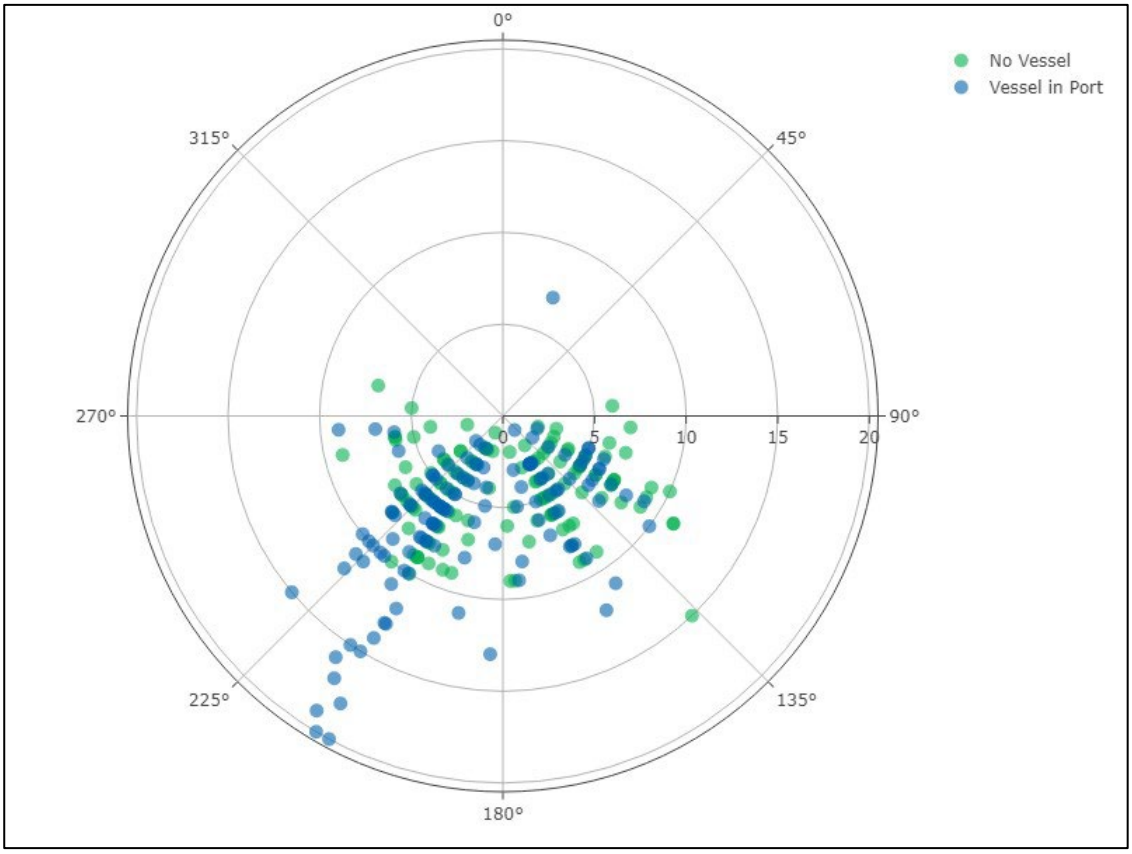

Figure 6.9 Hourly average $PM_{2.5}$ concentration (µg/m³) by wind direction (December 2023)

Figure 6.10 24-hour average $PM_{2.5}$ concentration (µg/m³) pollution roses (December 2023)

6.5 NO_2

The hourly average NO_2 concentrations observed at the Station Pier AQMS are presented in Figure 6.11 with hours during which a vessel was present in the port highlighted. The hourly average NO_2 concentrations are also shown in Figure 6.12 by hourly average wind direction, with colouring indicating the presence of a vessel in the port, as well as in Figure 6.13 as pollution roses. As less than one month of data is available, annual average concentrations have not been presented.

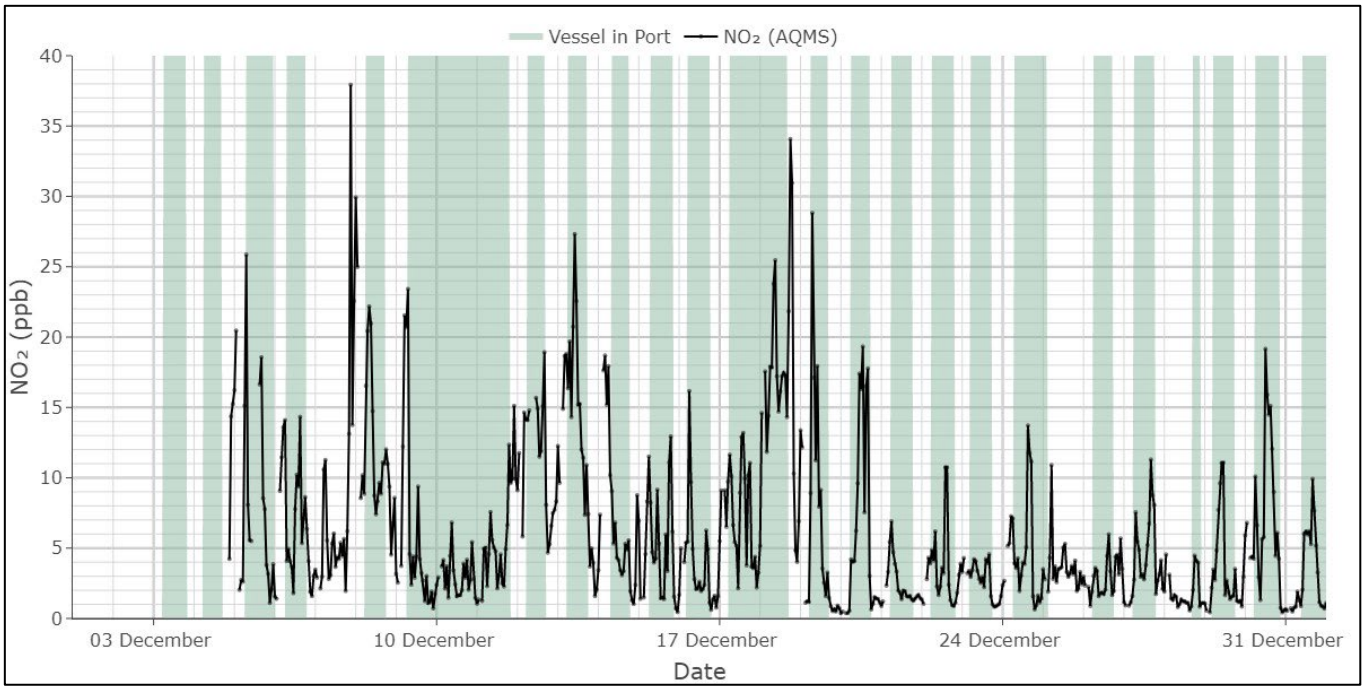

Figure 6.11 Hourly average NO_2 concentrations (ppb) at Station Pier (December 2023) (criteria: 80 ppb)

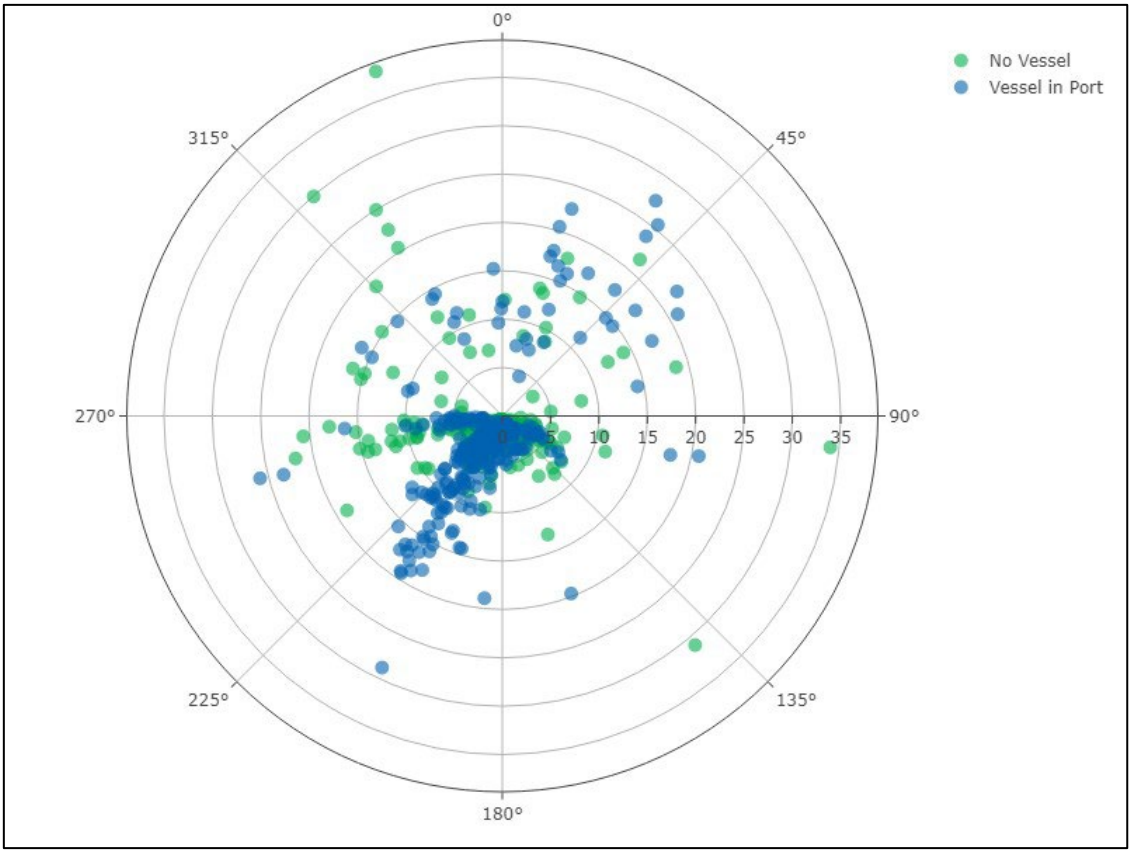

Figure 6.12 Hourly average NO_2 concentration (ppb) by wind direction (December 2023)

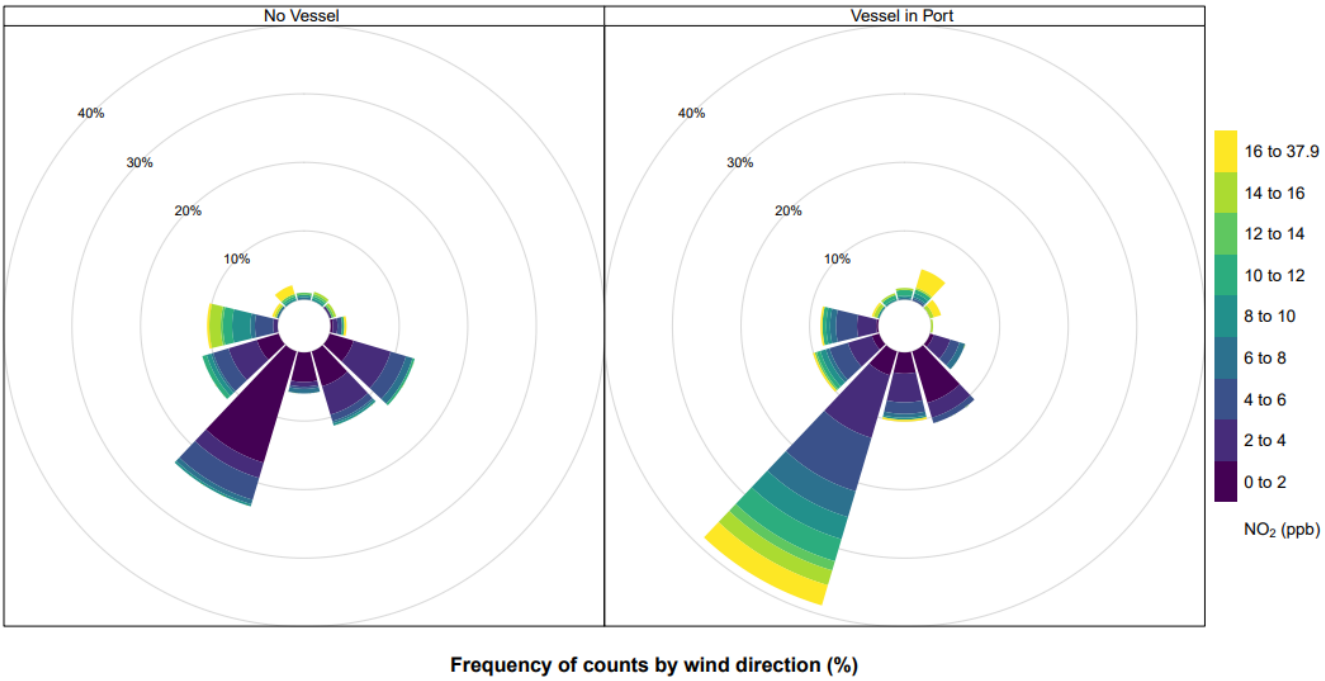

Figure 6.13 Hourly average NO_2 concentration (ppb) pollution roses (December 2023)

6.6 SO_2

The hourly average SO_2 concentrations observed at the Station Pier AQMS are presented in Figure 6.14 with hours during which a vessel was present in the port highlighted. The hourly average SO_2 concentrations are also shown in Figure 6.15 by hourly average wind direction, with colouring indicating the presence of a vessel in the port, as well as in Figure 6.16 as pollution roses.

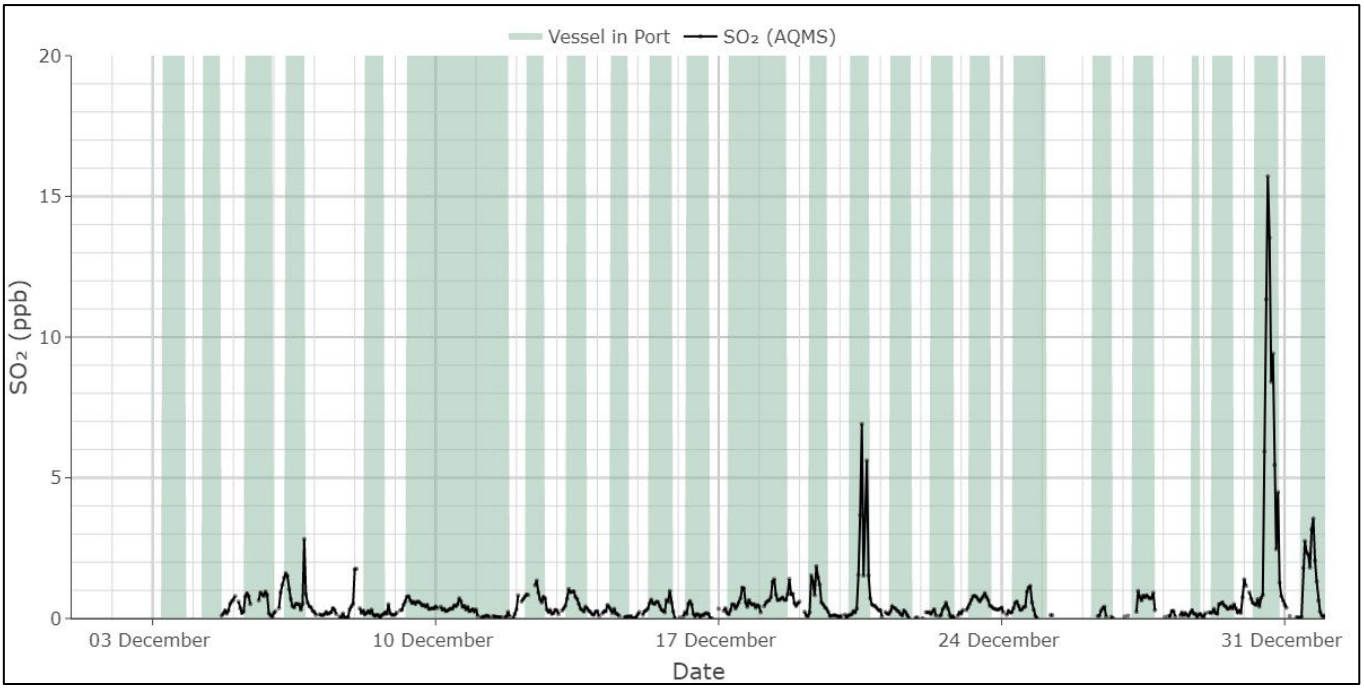

Figure 6.14 Hourly average SO_2 concentrations (ppb) at Station Pier (December 2023) (criteria: 75 ppb)

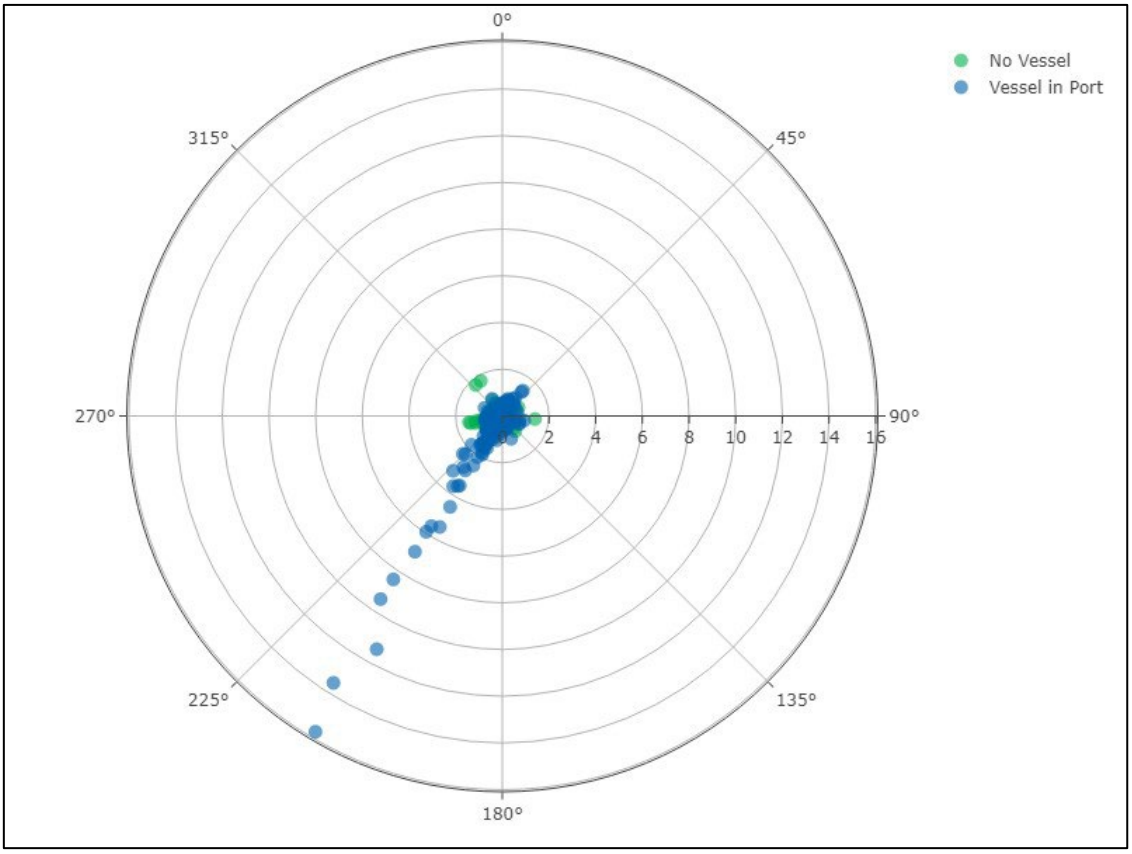

Figure 6.15 Hourly average SO_2 concentration (ppb) by wind direction (December 2023)

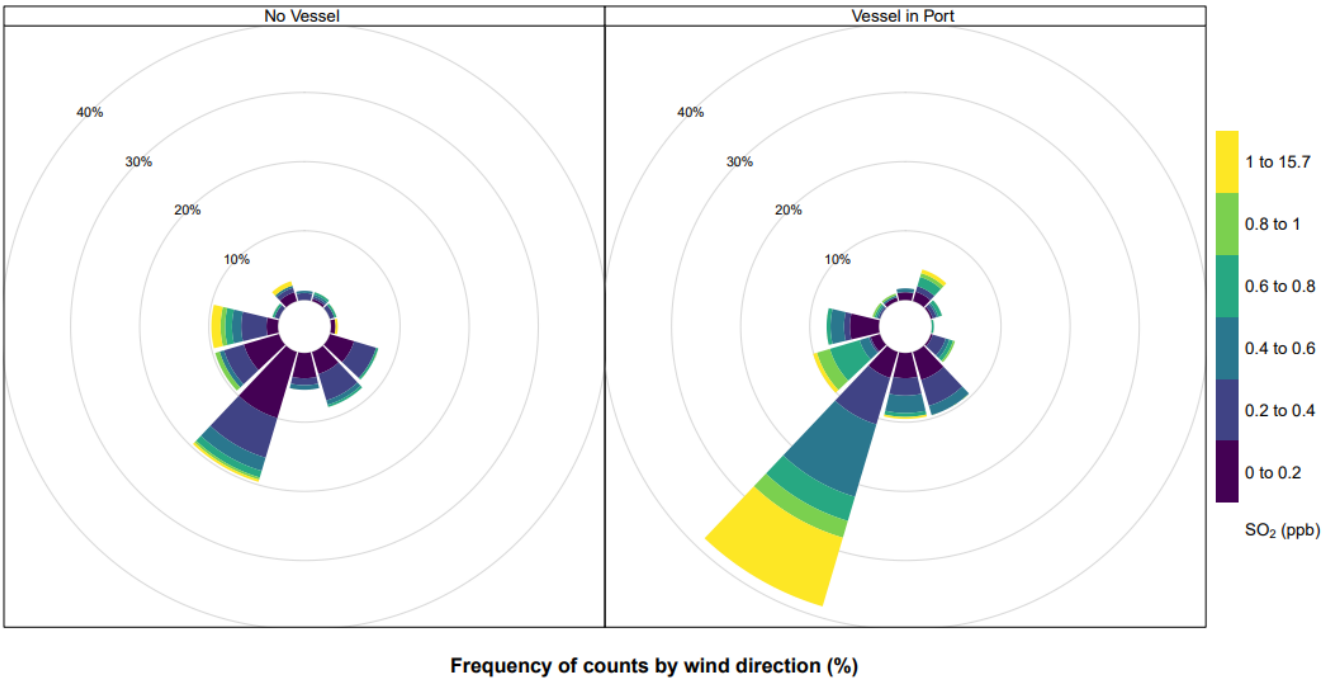

Figure 6.16 Hourly average SO_2 concentration (ppb) pollution roses (December 2023)

The 24-hour average SO_2 concentrations observed at the Station Pier AQMS are presented in Figure 6.17 with hours during which a vessel was present in the port highlighted.

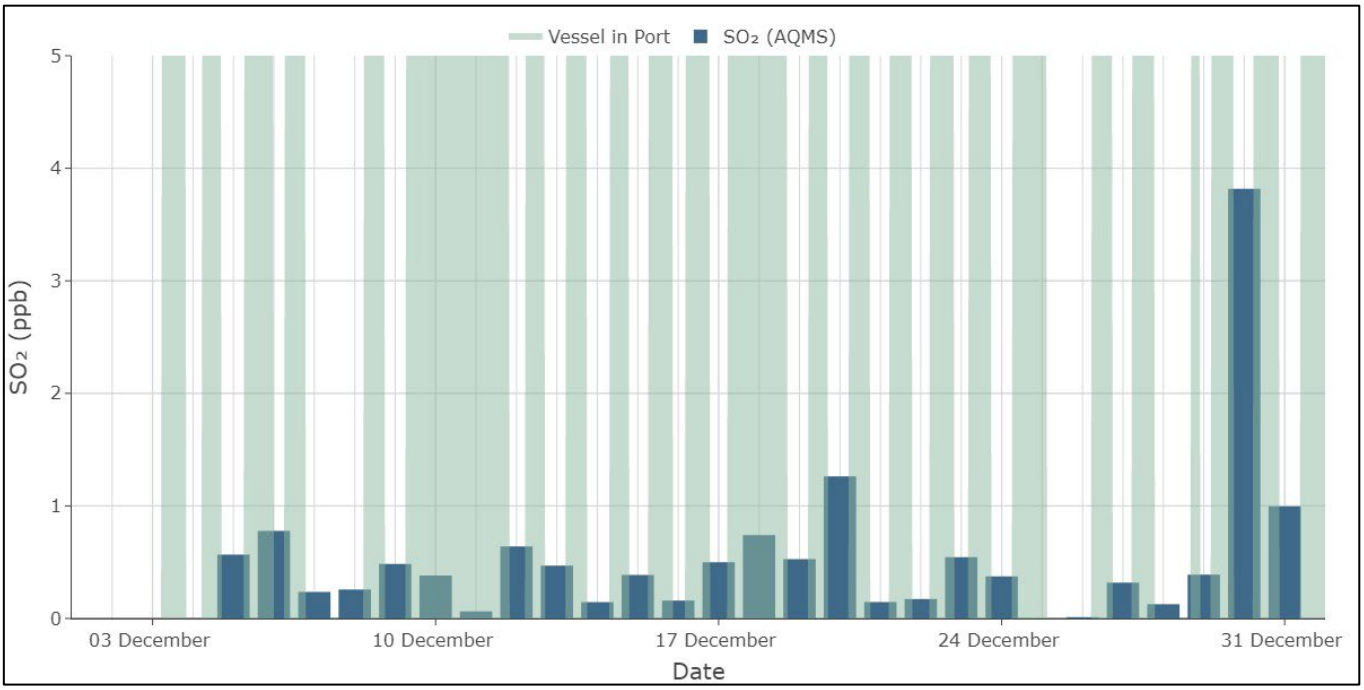

Figure 6.17 24-hour average SO_2 concentrations (ppb) at Station Pier (December 2023) (criteria: 20 ppb)

7. 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 AQMS (Altona North, Spotswood, Kingsville, Footscray, Brooklyn, Melbourne CBD)
- the adopted criteria (as per Table 3.1)
- port activity (presence or absence of ships)

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 AQMS has been undertaken, all AQMS 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 data used in this report has been collected from the EPA website and has not been through a quality assurance / quality control procedure.

7.1 PM_{10}

The 24-hour average PM_{10} concentrations observed at the Station Pier AQMS are presented in Figure 7.1 alongside observations from the local EPA stations and the adopted criterion.

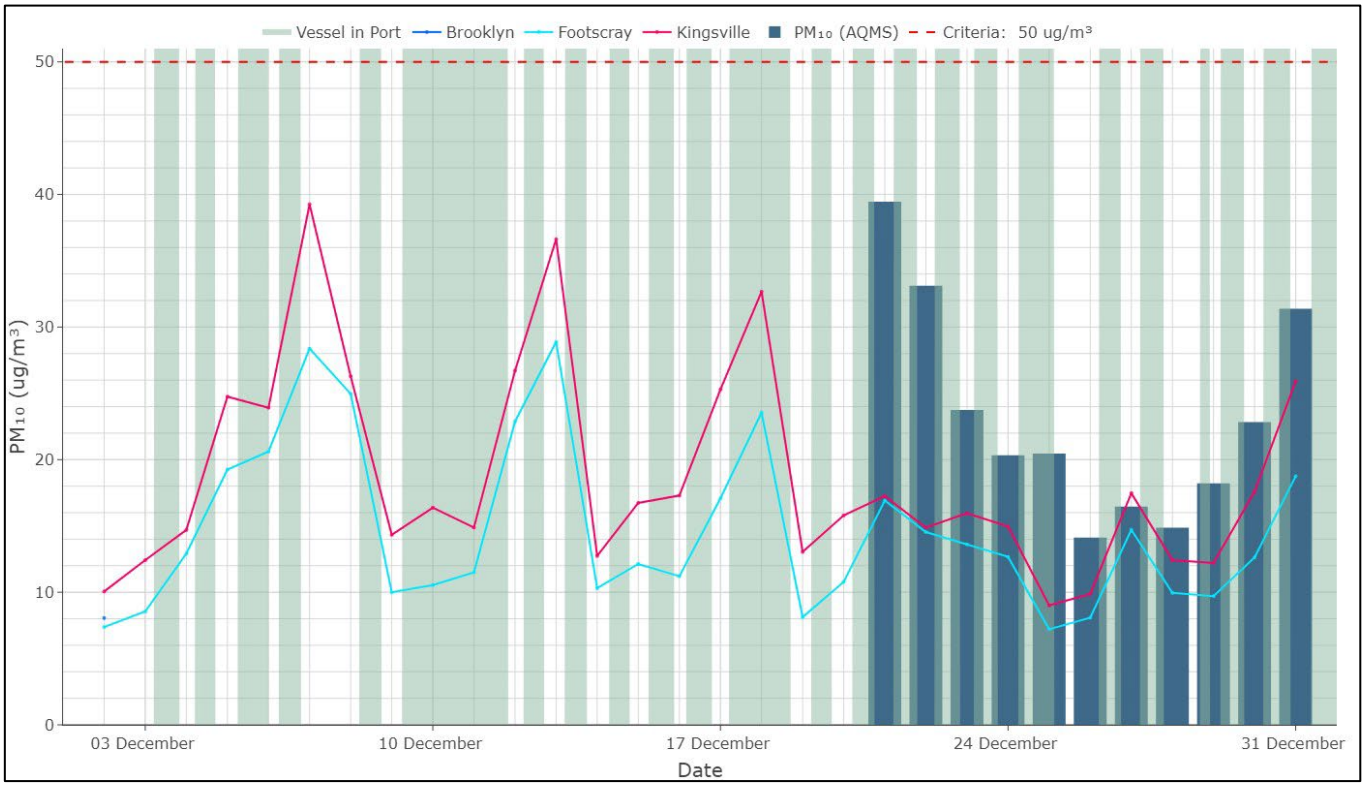

Figure 7.1 24-hour average PM_{10} concentrations (µg/m³) at Station Pier and local EPA stations (December 2023) (criteria: 50 µg/m³)

Correlation between the 24-hour average Station Pier observations and local EPA station observations is presented in Table 7.1. Some positive correlation (between 0.5 and 0.8) was observed between the Station Pier observations and the EPA station observations for both EPA stations.

All concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 39.5 µg/m³, which is 21% below the criterion.

Table 7.1 Comparison between 24-hour average PM_{10} Station Pier observations and local EPA station observations

EPA Station	Correlation coefficient (r)
Kingsville	0.54
Footscray	0.74

7.2 $PM_{2.5}$

The 24-hour average $PM_{2.5}$ concentrations observed at the Station Pier AQMS are presented in Figure 7.2 alongside observations from the local EPA stations and the adopted criterion.

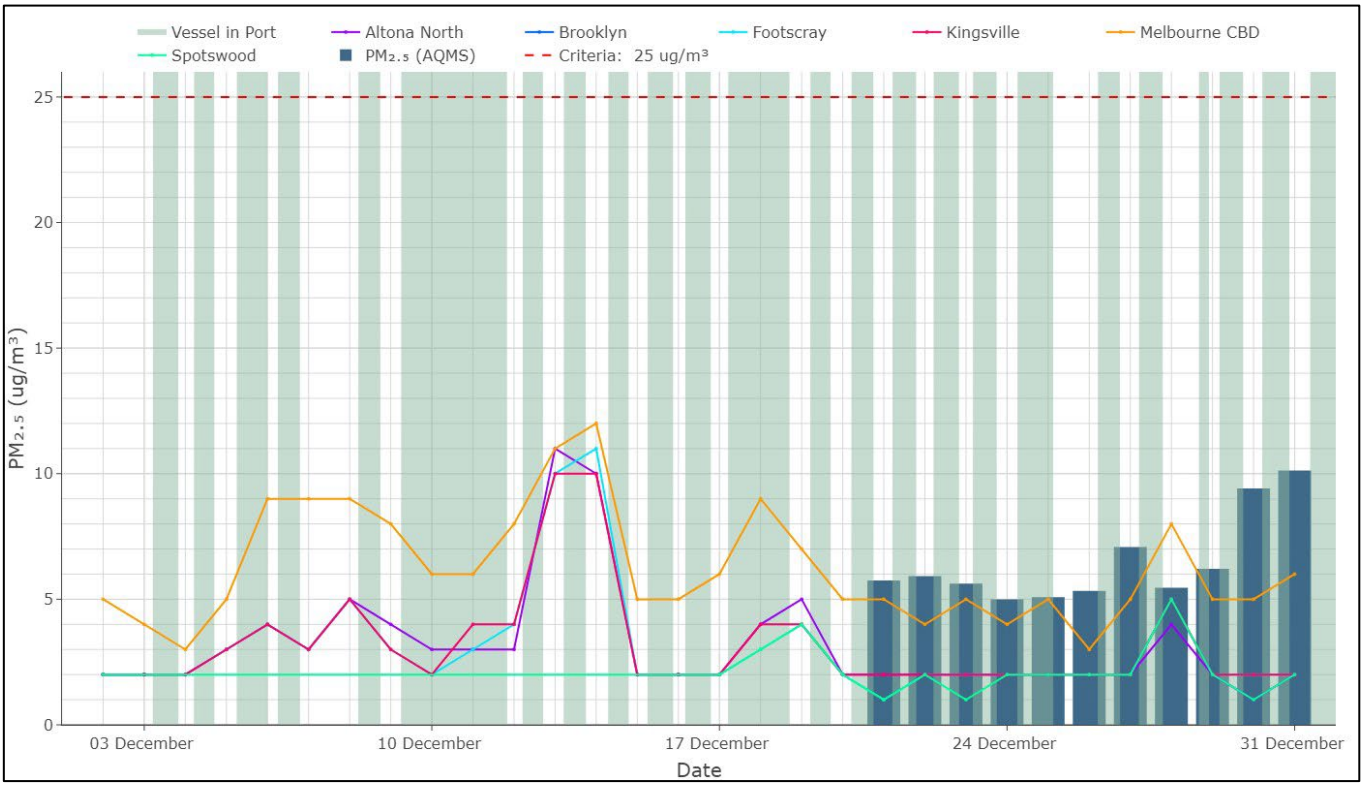

Figure 7.2 24-hour average $PM_{2.5}$ concentrations (µg/m³) at Station Pier and local EPA stations (December 2023) (criteria: 25 µg/m³)

Correlation between the 24-hour average Station Pier observations and local EPA station observations is presented in Table 7.2. Minimal correlation (between -0.5 and 0.5) was observed between the Station Pier observations and the EPA station observations for all local EPA stations.

All concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 10.1 µg/m³, which is 59% below the criterion.

Table 7.2 Comparison between 24-hour average $PM_{2.5}$ Station Pier observations and local EPA station observations

EPA Station	Correlation coefficient (r)
Altona North	-0.41
Spotswood	-0.23
Kingsville	-0.19
Footscray	-0.13
Melbourne CBD	0.22

7.3 NO_2

The hourly average NO_2 concentrations observed at the Station Pier AQMS are presented in Figure 7.3 alongside observations from the local EPA stations and the adopted criterion.

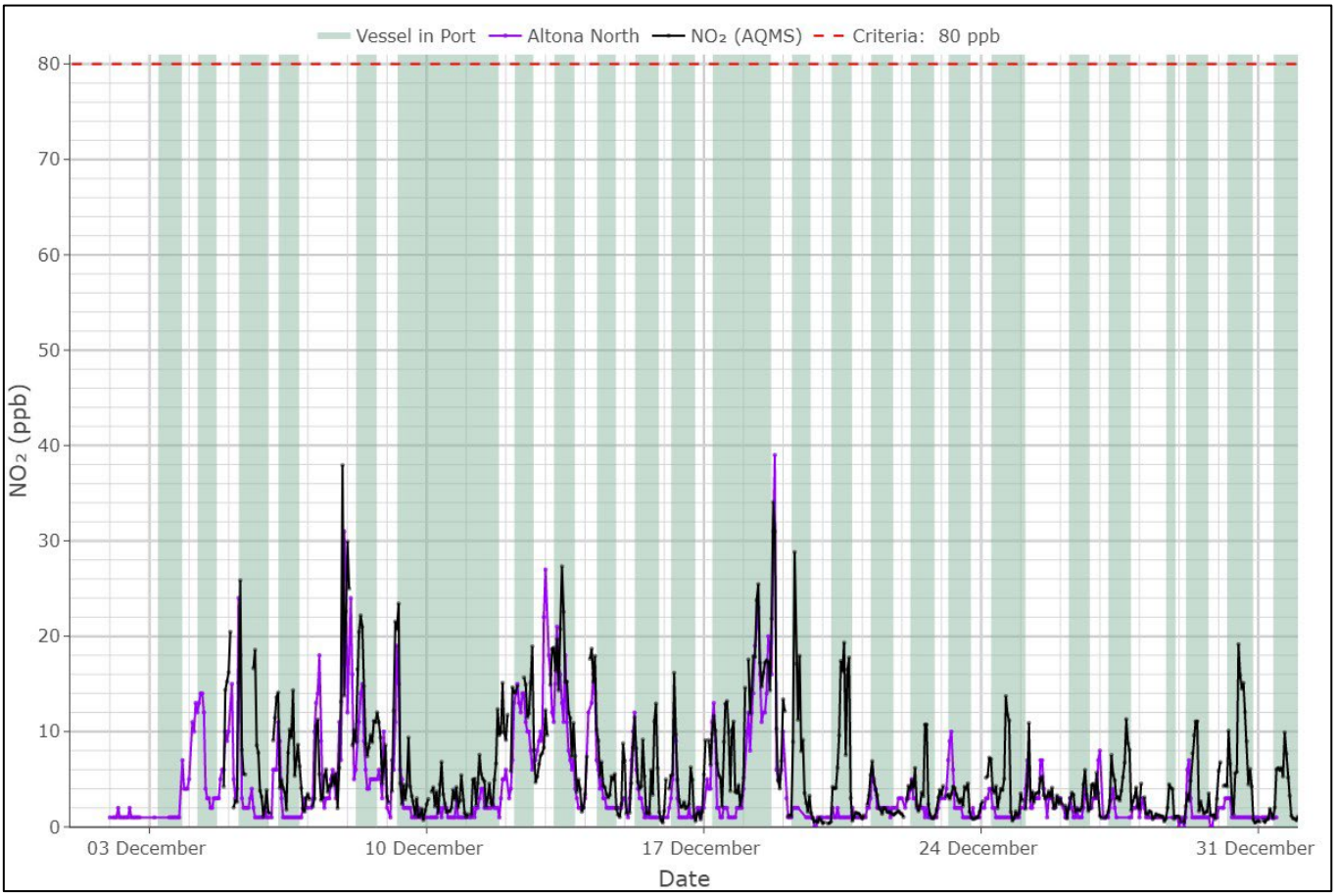

Figure 7.3 Hourly average NO_2 concentrations (ppb) at Station Pier and local EPA stations (December 2023) (criteria: 80 ppb)

Some positive correlation (0.71) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 37.9 ppb, which is 53% below the criterion.

7.4 SO_2

The hourly average SO_2 concentrations observed at the Station Pier AQMS are presented in Figure 7.4 alongside observations from the local EPA stations and the adopted criterion.

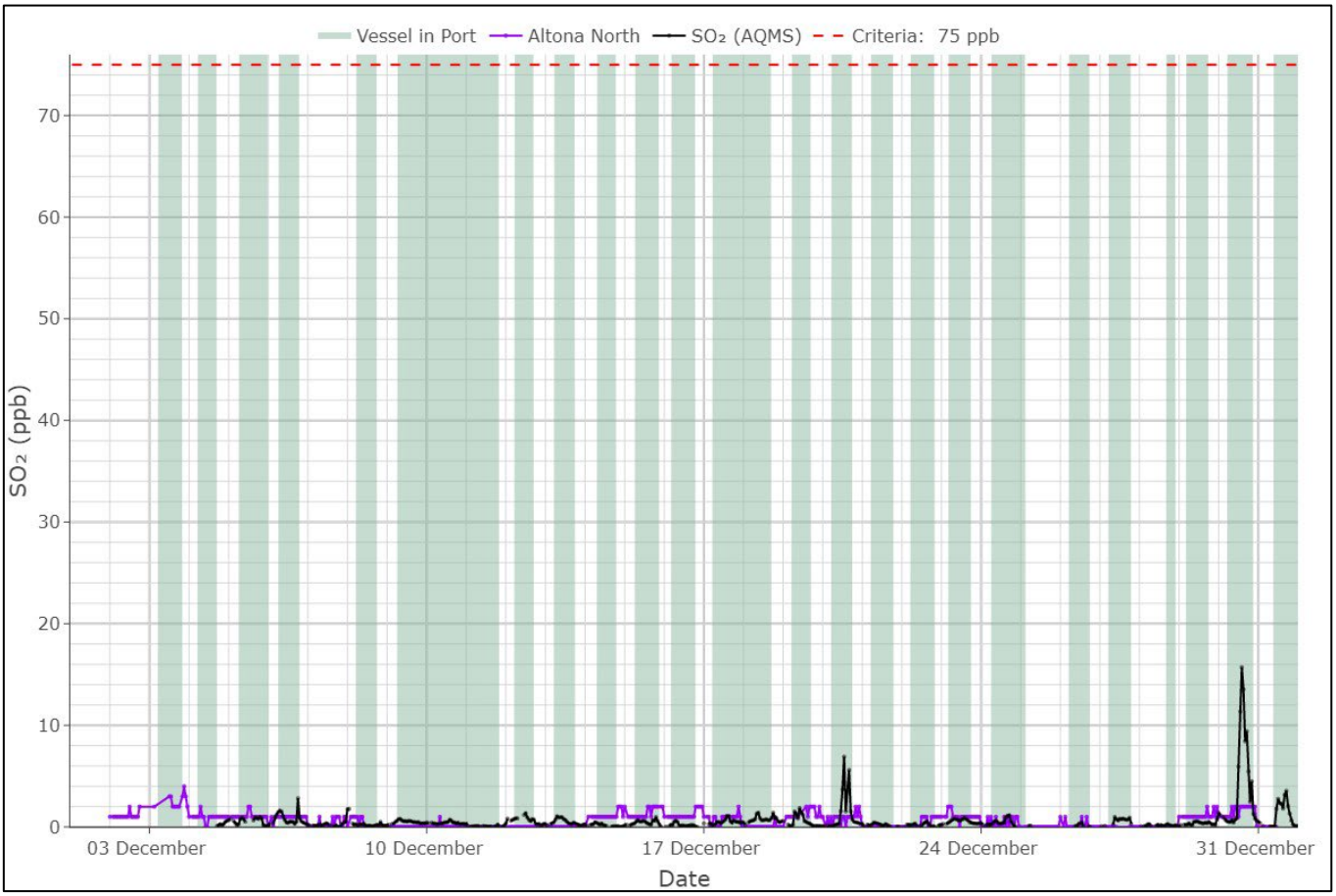

Figure 7.4 Hourly average SO_2 concentrations (ppb) at Station Pier and local EPA stations (December 2023) (criteria: 75 ppb)

Minimal correlation (0.27) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted criterion. The maximum hourly average concentration recorded was 15.7 ppb, which is 79% below the criterion.

The 24-hour average SO_2 concentrations observed at the Station Pier AQMS are presented in Figure 7.5 alongside observations from the local EPA stations and the adopted criterion.

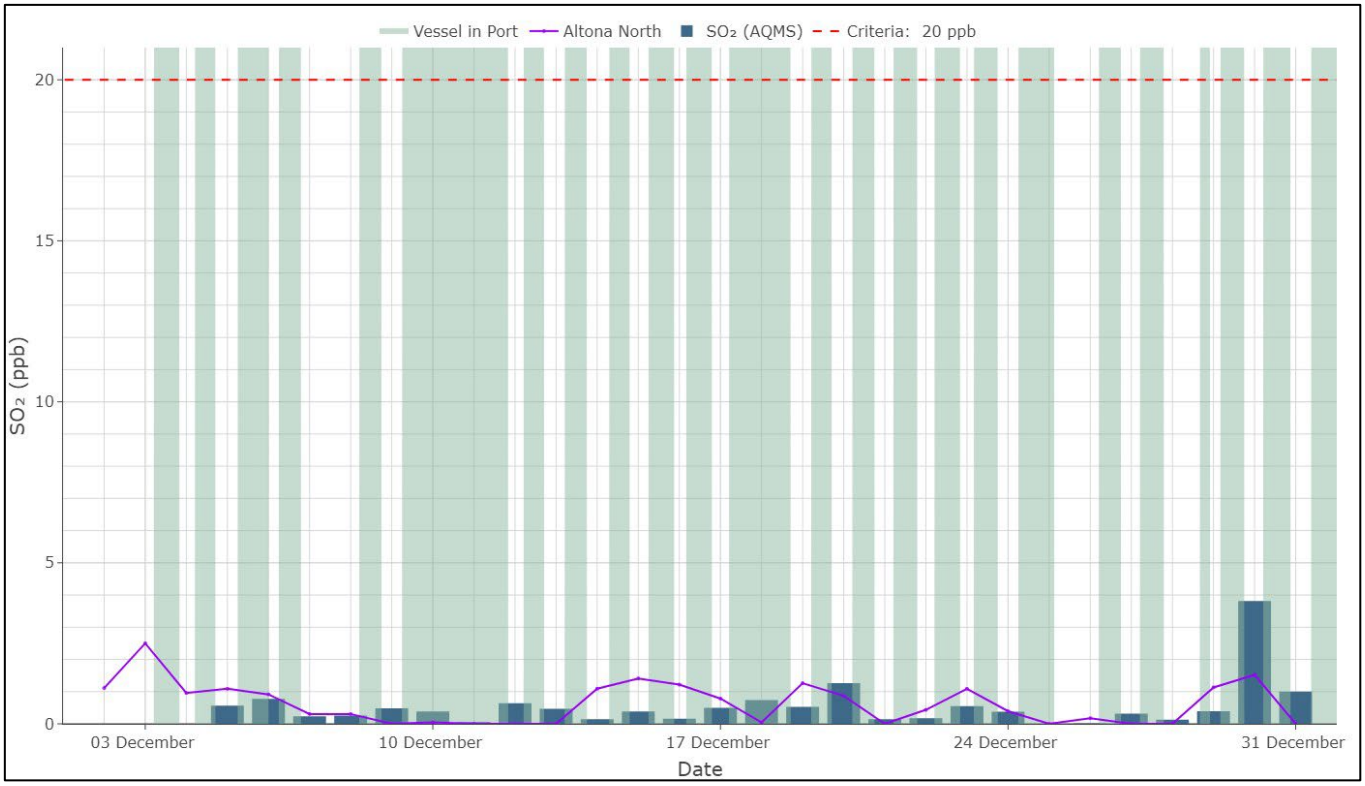

Figure 7.5 24-hour average SO_2 concentrations (ppb) at Station Pier and local EPA stations (December 2023) (criteria: 20 ppb)

Minimal correlation (0.39) was observed between the Station Pier observations and the Altona North EPA station observations.

All concentrations were below the adopted criterion. The maximum 24-hour average concentration recorded was 3.8 ppb, which is 81% below the criterion.

7.5 Port activity

The number of ships present at the port at the time of the maximum hourly concentrations of each pollutant are shown in Figure 7.6. All maximum concentrations occur when there are no ships present at the port, except for PM_{10} which occurred while two ships were present.

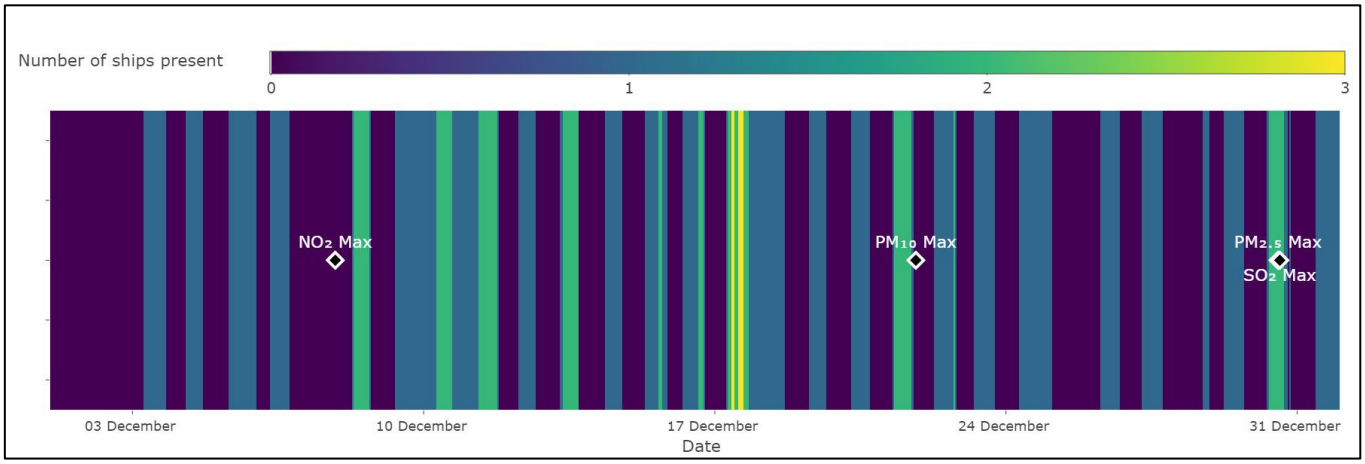

Figure 7.6 Number of ships present compared against maximum concentration observations

The average concentrations for each pollutant have been compared against hourly vessel presence in Table 7.3.

Table 7.3 Comparison of average concentration against vessel presence

Pollutant	Proportion of vessel presence during monitoring	Average concentration	
		No vessel	Vessel in port
PM_{10}	49%	21.9 µg/m^3	24.8 µg/m^3
$PM_{2.5}$	49%	5.9 µg/m^3	7.2 µg/m^3
NO_2	56%	5.3 ppb	6.7 ppb
SO_2	60%	0.3 ppb	0.8 ppb

7.6 Long term review

Annual average criteria are specified for PM_{10}, $PM_{2.5}$ and NO_2. As less than one month of data is available, averages have not been compared against the annual average criteria. As more data becomes available, assessment against the long term criteria may be undertaken as well as analysis of other impacts on concentrations such as seasonal effects.

8. Summary

The Station Pier AQMS commenced operation on 4 December 2023 and collects both meteorological and air quality parameters including wind speed, wind direction, temperature, relative humidity, sigma, PM_{10}, $PM_{2.5}$, NO_2, and SO_2 concentrations. Data from December 2023 has been reviewed by ACOEM and the NATA accredited results are presented in this report.

Comparison against the EPA AQMS observations showed some positive correlation (0.5 to 0.8) for 24-hour average PM_{10} concentrations and 1-hour average NO_2 concentrations. Minimal correlation was observed for $PM_{2.5}$ and SO_2 concentrations. Average observed concentrations were higher when a vessel was in port compared with when no vessels were in port across all pollutants.

All observations during the month of December 2023 were lower than the adopted short term criteria (1-hour and 24-hour), ranging from 21% (for maximum 24-hour average PM_{10}) to 81% (for maximum 24-hour average SO_2) below the relevant criteria.

Attachment 1

December 2023 NATA Accredited data

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

GHD for Ports Victoria

GHD for Ports Victoria Ambient GHD Station Pier

Ambient Air Quality Monitoring

1st December to 31st December 2023

Report No: DAT20788

Issue Date: 31st January 2024

Maintenance Contract: MC2306

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

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Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/12/23 00:05									
01/12/23 00:10									
01/12/23 00:15									
01/12/23 00:20									
01/12/23 00:25									
01/12/23 00:30									
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01/12/23 08:45									
01/12/23 08:50									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/12/23 08:55									
01/12/23 09:00									
01/12/23 09:05									
01/12/23 09:10									
01/12/23 09:15									
01/12/23 09:20									
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Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/12/23 17:45									
01/12/23 17:50									
01/12/23 17:55									
01/12/23 18:00									
01/12/23 18:05									
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02/12/23 02:25									
02/12/23 02:30									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/12/23 02:35									
02/12/23 02:40									
02/12/23 02:45									
02/12/23 02:50									
02/12/23 02:55									
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02/12/23 11:05									
02/12/23 11:10									
02/12/23 11:15									
02/12/23 11:20									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/12/23 11:25									
02/12/23 11:30									
02/12/23 11:35									
02/12/23 11:40									
02/12/23 11:45									
02/12/23 11:50									
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02/12/23 19:55									
02/12/23 20:00									
02/12/23 20:05									
02/12/23 20:10									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/12/23 20:15									
02/12/23 20:20									
02/12/23 20:25									
02/12/23 20:30									
02/12/23 20:35									
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03/12/23 05:00									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/12/23 05:05									
03/12/23 05:10									
03/12/23 05:15									
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03/12/23 13:45									
03/12/23 13:50									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/12/23 13:55									
03/12/23 14:00									
03/12/23 14:05									
03/12/23 14:10									
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03/12/23 22:35									
03/12/23 22:40									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
03/12/23 22:45									
03/12/23 22:50									
03/12/23 22:55									
03/12/23 23:00									
03/12/23 23:05									
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04/12/23 07:05									
04/12/23 07:10									
04/12/23 07:15									
04/12/23 07:20									
04/12/23 07:25									
04/12/23 07:30									

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/12/23 07:35									
04/12/23 07:40									
04/12/23 07:45									
04/12/23 07:50									
04/12/23 07:55									
04/12/23 08:00									
04/12/23 08:05									
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04/12/23 09:00									
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04/12/23 10:00									
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04/12/23 13:15									
04/12/23 13:20									
04/12/23 13:25									
04/12/23 13:30									
04/12/23 13:35									
04/12/23 13:40									
04/12/23 13:45							1.8	337	38
04/12/23 13:50							1.4	301	54
04/12/23 13:55							1.8	300	25
04/12/23 14:00							1.5	284	42
04/12/23 14:05							1.6	299	26
04/12/23 14:10							2.1	320	29
04/12/23 14:15							2.2	9	32
04/12/23 14:20							1.5	327	43
04/12/23 14:25							1.5	310	44
04/12/23 14:30							1.5	304	36
04/12/23 14:35							2.0	296	28
04/12/23 14:40							2.7	303	19
04/12/23 14:45							2.3	308	22
04/12/23 14:50							1.1	8	38
04/12/23 14:55							2.3	3	40
04/12/23 15:00							1.2	352	54
04/12/23 15:05							1.7	51	33
04/12/23 15:10							1.2	335	55
04/12/23 15:15							2.9	308	22
04/12/23 15:20							2.8	304	24
04/12/23 15:25							2.4	299	26
04/12/23 15:30							1.9	322	40
04/12/23 15:35							1.4	335	42
04/12/23 15:40							1.8	299	27
04/12/23 15:45							1.6	303	26
04/12/23 15:50							1.5	345	43
04/12/23 15:55							1.3	331	40
04/12/23 16:00							2.3	318	20
04/12/23 16:05							1.9	276	21
04/12/23 16:10							1.6	295	45
04/12/23 16:15							1.6	311	22
04/12/23 16:20				0.220			1.3	320	28

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/12/23 16:25				0.171			0.9	346	45
04/12/23 16:30				0.160			1.0	339	50
04/12/23 16:35				0.109			0.5	10	61
04/12/23 16:40				0.113			1.4	360	46
04/12/23 16:45				0.111			2.0	299	23
04/12/23 16:50				0.041			1.2	300	33
04/12/23 16:55				-0.022			1.6	321	36
04/12/23 17:00				-0.050			1.2	330	37
04/12/23 17:05				0.031			2.4	307	21
04/12/23 17:10				0.082			2.6	311	26
04/12/23 17:15				0.107			1.5	306	39
04/12/23 17:20				0.085			2.3	308	24
04/12/23 17:25				0.117			3.0	312	19
04/12/23 17:30				0.068			2.1	310	16
04/12/23 17:35				0.227			1.0	313	49
04/12/23 17:40				0.348			2.6	304	29
04/12/23 17:45				0.335			1.6	344	41
04/12/23 17:50				0.299			1.5	352	46
04/12/23 17:55				0.270			1.9	325	30
04/12/23 18:00				0.219			1.5	358	46
04/12/23 18:05				0.296			1.9	314	27
04/12/23 18:10				0.339			1.6	345	42
04/12/23 18:15				0.358			1.0	342	53
04/12/23 18:20				0.385			1.4	346	49
04/12/23 18:25				0.350			1.2	11	41
04/12/23 18:30				0.293			1.4	333	32
04/12/23 18:35				0.300			1.4	29	35
04/12/23 18:40				0.235			1.2	14	40
04/12/23 18:45				0.205			1.5	30	35
04/12/23 18:50				0.189			1.2	17	39
04/12/23 18:55				0.232			1.7	23	29
04/12/23 19:00				0.172			1.3	26	33
04/12/23 19:05				0.181			1.5	16	30
04/12/23 19:10				0.145			1.1	26	38
04/12/23 19:15				0.111			1.2	11	35
04/12/23 19:20				0.126			1.0	31	32
04/12/23 19:25				0.066			0.5	33	36
04/12/23 19:30				0.177			0.8	301	55
04/12/23 19:35				0.215			2.5	252	20
04/12/23 19:40				0.107			1.5	240	22
04/12/23 19:45				0.154			2.1	242	19
04/12/23 19:50				0.220			2.1	256	13
04/12/23 19:55				0.259			2.2	253	17
04/12/23 20:00				0.246			2.1	253	14
04/12/23 20:05				0.262			1.6	254	18
04/12/23 20:10				0.267			1.6	256	14
04/12/23 20:15	0.541	4.698	5.239	0.238			1.5	262	14
04/12/23 20:20	0.541	4.627	5.168	0.227			1.0	261	20
04/12/23 20:25	0.408	4.526	4.934	0.272			1.3	234	21
04/12/23 20:30	0.183	4.597	4.780	0.313			1.5	234	14
04/12/23 20:35	0.144	4.381	4.525	0.358			0.8	244	25
04/12/23 20:40	0.076	4.005	4.081	0.337			1.2	235	21
04/12/23 20:45	0.036	3.620	3.656	0.279			1.1	250	25
04/12/23 20:50	0.134	3.241	3.375	0.249			1.2	254	17
04/12/23 20:55	0.126	3.543	3.669	0.276			2.2	256	14
04/12/23 21:00	0.147	5.011	5.157	0.238			2.6	257	12
04/12/23 21:05	0.092	6.884	6.976	0.228			3.0	261	12
04/12/23 21:10	-0.022	13.064	13.043	0.285			2.9	260	12
04/12/23 21:15	0.149	14.792	14.941	0.402			2.6	255	12
04/12/23 21:20	0.251	16.424	16.675	0.476			2.6	253	14
04/12/23 21:25	0.320	17.380	17.699	0.447			2.6	255	12
04/12/23 21:30	0.259	16.622	16.881	0.490			2.7	260	12
04/12/23 21:35	0.215	16.546	16.762	0.641			1.8	248	18
04/12/23 21:40	0.222	16.860	17.083	0.636			1.8	249	17
04/12/23 21:45	0.258	14.621	14.879	0.685			2.4	252	13
04/12/23 21:50	0.285	14.439	14.723	0.685			2.5	253	11
04/12/23 21:55	0.374	12.566	12.940	0.621			2.5	255	14
04/12/23 22:00	0.407	12.140	12.547	0.603			2.4	253	11
04/12/23 22:05	0.303	14.258	14.560	0.631			2.3	257	12
04/12/23 22:10	0.336	16.560	16.896	0.681			2.4	261	12
04/12/23 22:15	0.178	14.491	14.669	0.711			2.6	265	10
04/12/23 22:20	0.150	14.608	14.758	0.661			2.8	264	10
04/12/23 22:25	0.132	13.496	13.628	0.679			2.4	264	11
04/12/23 22:30	0.081	13.385	13.466	0.655			2.7	263	12
04/12/23 22:35	-0.133	13.384	13.252	0.587			2.3	259	14
04/12/23 22:40	-0.073	14.455	14.381	0.507			2.6	261	12
04/12/23 22:45	0.017	15.842	15.859	0.529			3.2	266	08
04/12/23 22:50	0.079	16.340	16.418	0.491			2.8	268	11
04/12/23 22:55	0.257	18.568	18.825	0.552			2.1	270	16
04/12/23 23:00	0.318	17.591	17.909	0.574			1.6	264	19
04/12/23 23:05	0.326	17.102	17.428	0.563			1.9	266	11
04/12/23 23:10	0.403	17.119	17.522	0.605			1.5	267	14
04/12/23 23:15	0.394	17.258	17.652	0.636			0.8	287	28
04/12/23 23:20	0.361	17.194	17.555	0.644			0.9	274	23
04/12/23 23:25	0.305	16.941	17.246	0.719			0.7	296	34
04/12/23 23:30	0.117	16.627	16.744	0.766			0.7	308	21
04/12/23 23:35	0.006	15.990	15.996	0.722			0.5	269	34
04/12/23 23:40	-0.008	15.316	15.308	0.686			0.8	271	21
04/12/23 23:45	0.094	14.960	15.054	0.663			0.4	311	48
04/12/23 23:50	0.017	15.128	15.144				0.6	356	22
04/12/23 23:55	-0.030	15.355	15.325				0.4	338	29
05/12/23 00:00	0.026	15.567	15.593	0.643			0.7	333	16
05/12/23 00:05	0.028	16.061	16.089	0.726			0.5	350	18
05/12/23 00:10	0.173	16.483	16.656	0.785			0.5	32	11
05/12/23 00:15	0.272	16.666	16.938	0.817			0.4	5	28
05/12/23 00:20	0.325	16.617	16.942	0.773			0.4	296	29
05/12/23 00:25	0.369	16.797	17.165	0.826			0.5	276	14
05/12/23 00:30	0.324	17.450	17.774	0.823			0.3	30	37
05/12/23 00:35	0.484	18.213	18.697	0.805			0.4	46	21
05/12/23 00:40	0.689	19.694	20.383	0.858			0.4	279	20
05/12/23 00:45	0.685	21.251	21.936	0.861			0.3	236	35
05/12/23 00:50	0.554	22.198	22.751	0.813			0.3	277	39
05/12/23 00:55	1.048	26.301	27.349	0.737			0.3	302	39
05/12/23 01:00	4.702	37.840	42.541	0.711			0.1	296	73
05/12/23 01:05							0.6	236	15
05/12/23 01:10							1.4	225	09

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/12/23 01:15							1.4	235	05
05/12/23 01:20							0.8	231	13
05/12/23 01:25							1.1	233	07
05/12/23 01:30							1.5	228	08
05/12/23 01:35							1.5	219	10
05/12/23 01:40							1.9	226	08
05/12/23 01:45							1.8	235	05
05/12/23 01:50							1.7	235	08
05/12/23 01:55							1.5	236	12
05/12/23 02:00							1.6	236	08
05/12/23 02:05	-0.075	1.921	1.846	0.721			2.3	234	06
05/12/23 02:10	-0.070	2.123	2.053	0.715			1.6	233	10
05/12/23 02:15	-0.121	2.157	2.036	0.737			1.7	236	09
05/12/23 02:20	-0.179	2.084	1.904	0.709			2.2	233	09
05/12/23 02:25	0.008	1.978	1.987	0.693			2.3	235	05
05/12/23 02:30	0.095	2.029	2.124	0.596			1.8	232	08
05/12/23 02:35	0.145	2.097	2.243	0.520			1.5	237	09
05/12/23 02:40	0.109	2.133	2.242	0.489			1.6	231	10
05/12/23 02:45	0.140	2.024	2.165	0.535			2.0	229	06
05/12/23 02:50	0.070	1.965	2.035	0.489			1.8	225	11
05/12/23 02:55	0.092	1.909	2.000	0.485			2.1	223	12
05/12/23 03:00	0.057	1.969	2.026	0.494			1.9	225	10
05/12/23 03:05	-0.008	1.951	1.943	0.503			1.6	233	08
05/12/23 03:10	-0.009	1.850	1.841	0.505			1.8	227	09
05/12/23 03:15	-0.032	1.983	1.952	0.396			2.0	229	10
05/12/23 03:20	0.118	2.218	2.336	0.339			1.5	230	11
05/12/23 03:25	0.232	2.455	2.687	0.366			1.5	227	12
05/12/23 03:30	0.262	2.845	3.107	0.360			1.9	230	08
05/12/23 03:35	0.226	3.149	3.375	0.331			1.9	230	08
05/12/23 03:40	0.178	3.321	3.499	0.335			0.7	227	25
05/12/23 03:45	0.094	3.465	3.558	0.329			0.7	237	22
05/12/23 03:50	0.049	3.375	3.424	0.276			1.3	236	10
05/12/23 03:55	-0.012	3.250	3.238	0.289			1.2	236	12
05/12/23 04:00	-0.025	3.011	2.986	0.276			1.1	238	14
05/12/23 04:05	0.053	2.765	2.817	0.240			1.1	235	13
05/12/23 04:10	0.159	2.649	2.808	0.250			2.3	232	09
05/12/23 04:15	0.126	2.473	2.600	0.298			2.3	231	09
05/12/23 04:20	0.247	3.103	3.350	0.254			2.2	223	11
05/12/23 04:25	0.239	2.471	2.709	0.240			2.0	225	10
05/12/23 04:30	0.224	2.198	2.422	0.206			1.6	228	10
05/12/23 04:35	0.085	2.163	2.247	0.132			1.5	232	10
05/12/23 04:40	0.017	2.142	2.159	0.155			0.9	227	16
05/12/23 04:45	-0.086	2.363	2.276	0.189			0.7	230	21
05/12/23 04:50	-0.038	2.719	2.681	0.118			1.1	226	16
05/12/23 04:55	-0.037	2.981	2.944	0.089			0.8	246	21
05/12/23 05:00	-0.064	3.253	3.190	0.161			0.4	243	34
05/12/23 05:05	0.034	3.432	3.466	0.295			0.4	239	32
05/12/23 05:10	0.098	4.381	4.479	0.273			0.3	242	44
05/12/23 05:15	0.056	6.024	6.080	0.217			0.4	239	37
05/12/23 05:20	-0.041	5.178	5.136	0.154			0.5	240	26
05/12/23 05:25	0.009	3.713	3.722	0.205			0.9	229	19
05/12/23 05:30	-0.042	3.341	3.299	0.196			1.0	243	22
05/12/23 05:35	0.485	17.258	17.743	0.192			1.5	267	11
05/12/23 05:40	1.632	25.859	27.491	0.186			2.0	265	08
05/12/23 05:45	4.360	29.954	34.314	0.177			1.4	262	13
05/12/23 05:50	10.131	28.201	38.332	0.250			1.1	263	12
05/12/23 05:55	13.462	26.570	40.032	0.345			1.1	262	14
05/12/23 06:00	14.080	27.622	41.702	0.467			1.2	270	11
05/12/23 06:05	13.428	27.308	40.736	0.476			1.0	266	14
05/12/23 06:10	14.403	27.686	42.088	0.567			1.2	269	14
05/12/23 06:15	14.431	26.814	41.245	0.641			1.5	264	14
05/12/23 06:20	13.558	24.133	37.690	0.712			1.1	253	19
05/12/23 06:25	13.333	25.116	38.449	0.737			1.5	268	09
05/12/23 06:30	14.141	26.854	40.995	0.774			1.3	271	11
05/12/23 06:35	14.106	25.365	39.471	0.810			1.0	263	17
05/12/23 06:40	14.561	25.804	40.365	0.830			0.8	250	22
05/12/23 06:45	25.446	37.578	63.024	0.945			0.7	242	26
05/12/23 06:50	25.849	26.526	52.376	1.021			1.7	232	07
05/12/23 06:55	15.550	23.319	38.870	0.914			0.7	239	28
05/12/23 07:00	12.696	13.958	26.655	0.938			0.9	235	16
05/12/23 07:05	5.102	10.898	15.999	0.978			0.9	234	16
05/12/23 07:10	4.163	9.648	13.811	0.942			0.9	235	16
05/12/23 07:15	3.131	4.273	7.404	0.928			1.1	228	13
05/12/23 07:20	2.464	3.418	5.882	0.878			1.1	228	10
05/12/23 07:25	2.126	3.754	5.880	0.849			1.3	228	08
05/12/23 07:30	1.974	4.123	6.098	0.861			0.7	228	17
05/12/23 07:35	2.008	4.284	6.292	0.845			1.2	229	14
05/12/23 07:40	2.111	5.144	7.256	0.794			0.9	230	18
05/12/23 07:45	2.069	5.550	7.619	0.813			1.2	226	15
05/12/23 07:50	2.352	6.537	8.889	0.911			1.7	227	12
05/12/23 07:55	6.755	24.755	31.509	0.938			1.3	217	17
05/12/23 08:00	14.682	14.664	29.346	0.926			0.5	219	40
05/12/23 08:05	22.497	17.434	39.932	0.914			0.6	236	30
05/12/23 08:10	5.769	12.022	17.790	0.965			1.4	220	11
05/12/23 08:15	1.538	2.801	4.339	0.924			1.2	228	15
05/12/23 08:20	1.258	2.871	4.130	0.881			1.1	231	12
05/12/23 08:25	2.334	6.848	9.182	0.802			1.5	224	12
05/12/23 08:30	1.558	3.189	4.747	0.808			1.5	221	11
05/12/23 08:35	1.167	3.179	4.346	0.748			1.2	216	17
05/12/23 08:40	0.933	3.110	4.043	0.755			1.6	219	18
05/12/23 08:45	0.639	2.817	3.455	0.746			2.2	227	08
05/12/23 08:50	0.686	3.451	4.136	0.726			1.9	227	10
05/12/23 08:55	1.003	4.353	5.357	0.681			1.1	218	21
05/12/23 09:00	1.294	4.765	6.059	0.596			1.0	204	26
05/12/23 09:05	1.705	9.694	11.399	0.538			1.0	195	28
05/12/23 09:10	2.430	4.738	7.169	0.526			1.0	216	27
05/12/23 09:15	9.816	11.871	21.687	0.587			1.0	207	28
05/12/23 09:20	2.885	3.880	6.766	0.556			1.3	217	20
05/12/23 09:25	0.412	2.420	2.832	0.502			1.7	222	13
05/12/23 09:30	0.254	2.463	2.717	0.499			0.9	183	25
05/12/23 09:35	1.125	4.389	5.514	0.548			0.9	204	26
05/12/23 09:40	1.627	4.406	6.033	0.472			0.9	217	26
05/12/23 09:45	2.573	8.408	10.981	0.441			1.2	196	24
05/12/23 09:50	2.993	9.067	12.060	0.434			2.3	225	10
05/12/23 09:55	1.831	2.073	3.904	0.452			1.9	224	13
05/12/23 10:00	1.312	2.564	3.877	0.552			1.6	214	21

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/12/23 10:05	1.209	2.831	4.040	0.550			2.1	220	15
05/12/23 10:10	1.381	3.192	4.573	0.500			2.0	220	11
05/12/23 10:15	1.462	3.215	4.677	0.494			1.1	209	28
05/12/23 10:20	1.933	4.718	6.651	0.572			2.2	224	14
05/12/23 10:25	1.550	1.649	3.200	0.543			1.9	212	21
05/12/23 10:30	1.189	1.483	2.671	0.488			1.6	209	18
05/12/23 10:35	1.702	3.460	5.162	0.498			1.2	204	24
05/12/23 10:40							1.0	198	30
05/12/23 10:45							0.9	194	39
05/12/23 10:50							1.0	195	26
05/12/23 10:55							1.1	189	24
05/12/23 11:00							1.0	178	31
05/12/23 11:05							1.4	153	22
05/12/23 11:10							1.3	202	28
05/12/23 11:15							1.2	199	23
05/12/23 11:20							1.2	200	22
05/12/23 11:25							1.1	196	21
05/12/23 11:30							1.2	191	21
05/12/23 11:35							0.8	176	37
05/12/23 11:40							1.0	187	31
05/12/23 11:45							1.1	198	29
05/12/23 11:50							1.4	191	22
05/12/23 11:55							1.3	190	23
05/12/23 12:00							1.0	200	28
05/12/23 12:05							1.7	219	17
05/12/23 12:10							1.3	209	20
05/12/23 12:15							1.3	212	22
05/12/23 12:20							1.3	214	20
05/12/23 12:25							1.3	195	26
05/12/23 12:30							1.1	211	28
05/12/23 12:35							1.0	192	29
05/12/23 12:40							1.1	185	29
05/12/23 12:45							1.3	194	24
05/12/23 12:50							1.2	180	29
05/12/23 12:55							1.0	172	36
05/12/23 13:00							0.8	160	37
05/12/23 13:05							1.5	144	23
05/12/23 13:10							1.2	138	23
05/12/23 13:15							1.1	133	22
05/12/23 13:20							1.0	144	33
05/12/23 13:25							0.7	165	35
05/12/23 13:30							1.3	198	24
05/12/23 13:35							1.6	213	20
05/12/23 13:40							1.6	195	25
05/12/23 13:45							1.5	206	23
05/12/23 13:50							1.7	204	21
05/12/23 13:55	7.752	13.865	21.617	0.663			1.8	210	21
05/12/23 14:00	10.267	11.055	21.322	0.617			1.8	206	22
05/12/23 14:05	15.624	15.575	31.199	0.550			1.6	214	23
05/12/23 14:10	29.334	19.635	48.968	0.552			1.8	213	20
05/12/23 14:15	13.745	14.748	28.493	0.576			2.0	207	21
05/12/23 14:20	19.583	11.546	31.129	0.564			2.4	213	18
05/12/23 14:25	39.293	23.808	63.101	0.645			3.3	214	12
05/12/23 14:30	45.069	9.746	54.815	0.645			2.8	222	13
05/12/23 14:35	26.868	16.030	42.898	0.676			2.2	215	17
05/12/23 14:40	20.955	10.398	31.354	0.597			2.5	214	17
05/12/23 14:45	31.322	19.979	51.300	0.620			2.4	222	13
05/12/23 14:50	32.492	15.856	48.348	0.681			2.5	220	13
05/12/23 14:55	46.015	19.315	65.330	0.758			2.3	226	12
05/12/23 15:00	40.753	22.974	63.727	0.838			1.9	222	17
05/12/23 15:05	30.274	24.474	54.748	0.879			1.9	214	19
05/12/23 15:10	23.104	13.520	36.625	0.903			1.7	212	18
05/12/23 15:15	33.022	17.402	50.424	0.926			1.2	211	24
05/12/23 15:20	27.501	17.975	45.476	0.940			1.2	194	27
05/12/23 15:25	47.816	21.020	68.836	1.028			1.6	214	19
05/12/23 15:30	38.348	23.461	61.809	1.054			1.5	205	22
05/12/23 15:35	26.018	13.332	39.351	0.989			1.8	209	19
05/12/23 15:40	21.429	17.023	38.452	0.961			2.0	207	22
05/12/23 15:45	33.903	17.136	51.038	0.896			2.1	217	18
05/12/23 15:50	36.263	21.962	58.225	0.900			2.1	210	20
05/12/23 15:55	19.385	15.917	35.302	0.843			2.7	212	15
05/12/23 16:00	26.989	19.572	46.561	0.773			3.0	213	16
05/12/23 16:05	18.695	9.879	28.574	0.793			3.0	217	16
05/12/23 16:10	12.539	7.282	19.821	0.882			3.0	211	16
05/12/23 16:15	18.913	9.906	28.820	0.964			3.2	212	16
05/12/23 16:20	7.815	6.582	14.398	0.961			3.1	209	15
05/12/23 16:25	11.969	7.270	19.239	0.864			2.9	208	16
05/12/23 16:30	14.145	8.791	22.936	0.871			1.9	202	24
05/12/23 16:35	13.433	6.952	20.384	0.885			2.6	205	23
05/12/23 16:40	23.437	18.554	41.991	0.835			2.3	206	21
05/12/23 16:45	27.597	9.450	37.047	0.881			3.1	208	19
05/12/23 16:50	22.171	11.247	33.418	0.864			3.2	213	16
05/12/23 16:55	4.219	3.750	7.969	0.774			2.0	199	22
05/12/23 17:00	2.288	2.872	5.160	0.773			2.2	200	21
05/12/23 17:05	2.934	3.942	6.875	0.693			1.8	204	23
05/12/23 17:10	8.906	4.853	13.758	0.688			1.9	207	24
05/12/23 17:15	21.655	15.719	37.374	0.709			1.7	207	22
05/12/23 17:20	11.747	7.065	18.813	0.712			1.7	206	17
05/12/23 17:25	17.315	14.190	31.505	0.694			1.9	211	20
05/12/23 17:30	15.269	8.600	23.869	0.710			2.6	210	18
05/12/23 17:35	26.277	15.266	41.543	0.757			2.5	211	17
05/12/23 17:40	9.867	10.719	20.586	0.821			2.7	206	19
05/12/23 17:45	7.795	3.646	11.441	0.850			3.5	210	16
05/12/23 17:50	4.818	2.817	7.634	0.909			2.5	204	24
05/12/23 17:55	4.731	4.767	9.499	0.965			2.2	200	24
05/12/23 18:00	1.507	1.719	3.225	0.986			2.3	200	23
05/12/23 18:05	10.641	7.249	17.890	0.982			2.9	208	20
05/12/23 18:10	4.564	3.526	8.090	0.994			2.6	210	21
05/12/23 18:15	3.111	2.880	5.991	0.969			2.0	198	25
05/12/23 18:20	3.278	2.284	5.563	0.891			2.4	206	18
05/12/23 18:25	1.387	1.768	3.154	0.868			2.1	205	22
05/12/23 18:30	5.511	2.828	8.339	0.824			2.8	214	16
05/12/23 18:35	5.354	2.421	7.775	0.879			2.2	208	24
05/12/23 18:40	2.290	2.732	5.022	0.838			3.1	215	14
05/12/23 18:45	8.556	5.828	14.384	0.935			2.7	212	19
05/12/23 18:50	3.037	3.540	6.577	1.063			2.4	208	18

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
05/12/23 18:55	7.048	8.409	15.457	1.126			3.1	212	14
05/12/23 19:00	3.744	2.040	5.785	1.127			3.2	212	16
05/12/23 19:05	7.983	3.335	11.318	1.063			3.2	210	16
05/12/23 19:10	9.735	7.139	16.874	1.050			2.5	208	16
05/12/23 19:15	3.801	7.191	10.992	1.095			2.9	209	17
05/12/23 19:20	4.723	5.577	10.301	1.144			2.6	210	16
05/12/23 19:25	3.305	5.255	8.560	1.098			2.1	212	16
05/12/23 19:30	1.741	3.145	4.886	1.063			1.5	203	30
05/12/23 19:35	1.190	1.610	2.800	0.942			1.5	200	27
05/12/23 19:40	1.000	1.034	2.034	0.738			1.2	201	31
05/12/23 19:45	0.863	0.934	1.796	0.615			1.3	194	31
05/12/23 19:50	0.557	1.021	1.578	0.544			1.4	196	32
05/12/23 19:55	0.554	0.943	1.497	0.418			1.3	202	22
05/12/23 20:00	0.496	0.816	1.312	0.330			1.3	190	30
05/12/23 20:05	0.669	0.964	1.633	0.259			1.8	208	22
05/12/23 20:10	0.854	1.243	2.097	0.251			1.8	208	18
05/12/23 20:15	0.799	1.343	2.141	0.287			1.4	197	27
05/12/23 20:20	0.677	1.240	1.916	0.279			1.3	199	26
05/12/23 20:25	0.580	1.145	1.725	0.229			1.5	193	22
05/12/23 20:30	0.356	1.083	1.440	0.211			0.9	185	43
05/12/23 20:35	0.273	1.081	1.353	0.231			1.3	192	23
05/12/23 20:40	0.339	0.980	1.319	0.135			1.0	167	38
05/12/23 20:45	0.391	1.021	1.412	0.113			1.3	206	28
05/12/23 20:50	0.372	1.034	1.406	0.082			1.2	187	31
05/12/23 20:55	0.205	0.999	1.204	0.017			1.1	179	37
05/12/23 21:00	0.206	1.074	1.280	0.066			1.3	165	42
05/12/23 21:05	0.176	1.178	1.353	0.084			1.3	185	29
05/12/23 21:10	0.130	1.224	1.354	0.086			1.7	204	27
05/12/23 21:15	0.599	1.484	2.083	0.093			1.8	203	21
05/12/23 21:20	0.901	1.650	2.550	0.045			1.6	203	21
05/12/23 21:25	0.664	1.060	1.725	0.079			1.3	192	29
05/12/23 21:30	0.459	0.901	1.360	0.126			1.5	207	24
05/12/23 21:35	0.517	1.026	1.542	0.189			2.5	209	17
05/12/23 21:40	0.860	1.314	2.174	0.179			2.5	213	16
05/12/23 21:45	1.527	3.683	5.210	0.118			2.2	209	14
05/12/23 21:50	2.294	4.434	6.728	0.116			1.8	211	19
05/12/23 21:55	1.982	3.299	5.280	0.062			1.4	210	24
05/12/23 22:00	1.397	3.338	4.735	0.094			1.9	204	25
05/12/23 22:05	1.619	2.843	4.462	0.077			2.2	210	18
05/12/23 22:10	1.747	2.491	4.238	-0.002			2.0	213	21
05/12/23 22:15	2.626	2.380	5.006	-0.005			1.9	204	21
05/12/23 22:20	3.840	3.859	7.699	-0.015			1.8	204	18
05/12/23 22:25	9.397	6.948	16.345	0.016			1.9	203	20
05/12/23 22:30	3.409	2.629	6.038	0.102			2.1	206	17
05/12/23 22:35	7.595	5.994	13.590	0.106			2.4	208	15
05/12/23 22:40	2.179	3.254	5.433	0.054			1.7	202	22
05/12/23 22:45	3.743	1.969	5.712	0.065			1.7	206	22
05/12/23 22:50	3.943	2.779	6.722	0.089			1.7	206	21
05/12/23 22:55	3.845	4.585	8.430	0.119			2.1	208	17
05/12/23 23:00	7.247	6.557	13.804	0.148			2.1	207	20
05/12/23 23:05	2.159	2.508	4.667	0.193			2.2	209	17
05/12/23 23:10	0.123	1.040	1.163	0.206			2.2	208	16
05/12/23 23:15	1.441	1.731	3.171	0.178			1.9	201	18
05/12/23 23:20	0.719	1.261	1.980	0.193			1.9	206	21
05/12/23 23:25	0.295	1.055	1.350	0.158			1.7	204	21
05/12/23 23:30	0.453	0.951	1.404	0.161			1.9	206	21
05/12/23 23:35	3.682	4.622	8.304	0.211			2.1	206	16
05/12/23 23:40	2.264	3.030	5.295	0.201			1.7	206	21
05/12/23 23:45	0.928	0.677	1.604	0.258			1.3	206	24
05/12/23 23:50	0.663	0.534	1.197				1.0	191	36
05/12/23 23:55	0.446	0.579	1.025				1.0	194	35
06/12/23 00:00	0.178	0.688	0.866	0.148			1.2	197	31
06/12/23 00:05	0.166	1.185	1.351	0.200			1.4	187	31
06/12/23 00:10	0.142	1.350	1.492	0.247			1.2	176	39
06/12/23 00:15	0.099	1.543	1.641	0.266			1.9	204	16
06/12/23 00:20	0.073	1.597	1.669	0.268			1.4	203	23
06/12/23 00:25	0.040	1.662	1.702	0.313			1.5	208	19
06/12/23 00:30	-0.045	1.725	1.679	0.312			2.1	208	16
06/12/23 00:35	-0.023	1.477	1.455	0.310			1.1	207	25
06/12/23 00:40	0.038	1.220	1.259	0.268			1.7	205	18
06/12/23 00:45	0.077	1.071	1.148	0.191			1.7	210	16
06/12/23 00:50	0.052	1.205	1.257	0.215			2.0	209	16
06/12/23 00:55	0.048	1.387	1.434	0.263			1.5	206	24
06/12/23 01:00	0.099	1.422	1.521	0.248			1.0	188	35
06/12/23 01:05							1.8	209	15
06/12/23 01:10							1.5	206	25
06/12/23 01:15							0.9	197	37
06/12/23 01:20							1.6	205	19
06/12/23 01:25							1.0	195	28
06/12/23 01:30							1.2	200	25
06/12/23 01:35							1.1	203	21
06/12/23 01:40							1.7	216	14
06/12/23 01:45							1.5	215	17
06/12/23 01:50							2.0	242	15
06/12/23 01:55							2.2	249	14
06/12/23 02:00							1.9	251	19
06/12/23 02:05	0.252	2.399	2.651	0.220			1.9	254	22
06/12/23 02:10	0.223	2.421	2.644	0.177			1.7	251	18
06/12/23 02:15	0.214	2.501	2.715	0.255			2.0	251	13
06/12/23 02:20	0.804	3.385	4.189	0.301			2.0	256	15
06/12/23 02:25	3.961	15.324	19.285	0.312			2.0	254	21
06/12/23 02:30	6.243	13.723	19.965	0.307			2.7	260	12
06/12/23 02:35	4.409	8.981	13.390	0.363			2.2	260	11
06/12/23 02:40	2.536	9.401	11.937	0.417			1.6	256	16
06/12/23 02:45	3.098	10.526	13.625	0.428			2.0	259	18
06/12/23 02:50	4.341	11.828	16.169	0.450			1.8	254	20
06/12/23 02:55	6.091	13.703	19.794	0.532			1.7	258	16
06/12/23 03:00	7.713	14.616	22.329	0.587			1.6	257	18
06/12/23 03:05	6.810	12.636	19.446	0.650			1.5	256	21
06/12/23 03:10	6.141	12.177	18.319	0.660			1.6	257	18
06/12/23 03:15	5.723	11.698	17.421	0.699			1.7	252	15
06/12/23 03:20	9.178	17.232	26.410	0.767			1.7	254	17
06/12/23 03:25	13.796	13.498	27.294	0.875			2.0	254	20
06/12/23 03:30	9.617	12.787	22.404	0.970			2.1	254	16
06/12/23 03:35	11.176	12.621	23.798	1.018			2.0	249	16
06/12/23 03:40	6.297	9.443	15.740	1.049			2.4	257	11

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/12/23 03:45	4.315	10.536	14.851	1.065			1.9	257	14
06/12/23 03:50	4.927	11.217	16.144	1.091			1.7	251	16
06/12/23 03:55	3.602	7.344	10.946	1.111			1.6	251	17
06/12/23 04:00	1.950	6.180	8.130	1.110			1.9	255	15
06/12/23 04:05	3.333	10.451	13.784	1.117			1.9	254	15
06/12/23 04:10	10.453	13.072	23.525	1.130			1.8	250	20
06/12/23 04:15	2.998	10.823	13.821	1.095			1.6	250	17
06/12/23 04:20	5.234	11.795	17.029	1.125			1.6	251	20
06/12/23 04:25	4.987	11.217	16.204	1.115			1.8	255	18
06/12/23 04:30	8.103	18.121	26.225	1.199			1.9	259	15
06/12/23 04:35	8.926	14.204	23.130	1.252			1.7	257	15
06/12/23 04:40	5.942	13.941	19.882	1.225			1.8	262	20
06/12/23 04:45	5.348	12.062	17.410	1.218			1.4	258	27
06/12/23 04:50	28.035	16.517	44.552	1.247			1.4	259	20
06/12/23 04:55	28.999	17.386	46.386	1.312			1.1	250	26
06/12/23 05:00	13.034	13.426	26.460	1.301			1.4	256	20
06/12/23 05:05	15.722	15.217	30.939	1.318			1.5	260	17
06/12/23 05:10	13.876	13.716	27.592	1.347			1.5	261	20
06/12/23 05:15	12.916	13.808	26.723	1.344			1.7	265	13
06/12/23 05:20	8.869	15.679	24.548	1.366			1.3	267	24
06/12/23 05:25	23.500	14.513	38.013	1.356			1.5	265	19
06/12/23 05:30	23.953	15.819	39.773	1.405			1.2	303	31
06/12/23 05:35	29.233	18.066	47.299	1.446			1.7	315	13
06/12/23 05:40	30.364	13.821	44.185	1.483			0.8	252	37
06/12/23 05:45	25.099	17.908	43.006	1.535			1.0	234	23
06/12/23 05:50	20.768	15.362	36.130	1.576			0.7	225	45
06/12/23 05:55	2.810	8.531	11.341	1.597			1.1	201	21
06/12/23 06:00	0.917	6.772	7.688	1.635			1.2	208	20
06/12/23 06:05	0.528	3.928	4.456	1.682			1.3	208	19
06/12/23 06:10	0.400	2.623	3.022	1.696			0.9	198	33
06/12/23 06:15	0.484	2.564	3.049	1.684			1.1	192	37
06/12/23 06:20	0.849	3.034	3.883	1.581			0.9	200	26
06/12/23 06:25	0.749	2.611	3.360	1.510			1.2	197	22
06/12/23 06:30	1.007	2.851	3.858	1.435			1.1	199	26
06/12/23 06:35	1.277	3.312	4.589	1.400			1.6	213	14
06/12/23 06:40	47.597	14.915	62.512	1.589			1.1	206	25
06/12/23 06:45	6.916	4.248	11.163	1.708			1.4	219	19
06/12/23 06:50	4.512	3.161	7.673	1.725			1.6	216	16
06/12/23 06:55	3.500	2.335	5.835	1.650			1.6	222	15
06/12/23 07:00	3.825	3.439	7.264	1.650			2.1	217	13
06/12/23 07:05	2.732	3.474	6.206	1.663			2.0	218	16
06/12/23 07:10	8.842	8.220	17.062	1.685			1.0	204	25
06/12/23 07:15	7.183	3.461	10.644	1.745			1.5	221	19
06/12/23 07:20	5.644	4.547	10.191	1.742			1.7	224	16
06/12/23 07:25	4.141	4.608	8.749	1.643			2.0	225	12
06/12/23 07:30	6.114	6.711	12.825	1.555			1.6	218	15
06/12/23 07:35	2.715	3.554	6.269	1.479			2.0	220	16
06/12/23 07:40	4.279	5.096	9.375	1.403			1.6	216	18
06/12/23 07:45	8.309	10.152	18.461	1.373			1.7	217	18
06/12/23 07:50	2.951	3.330	6.281	1.321			1.5	213	15
06/12/23 07:55	1.750	3.335	5.086	1.275			1.4	214	19
06/12/23 08:00	1.787	2.910	4.697	1.247			1.1	208	23
06/12/23 08:05	1.913	2.413	4.327	1.280			1.1	210	28
06/12/23 08:10	9.168	2.546	11.714	1.299			1.2	204	22
06/12/23 08:15	29.639	14.917	44.556	1.300			0.9	190	36
06/12/23 08:20	3.897	2.732	6.629	1.211			1.5	223	15
06/12/23 08:25	2.458	1.407	3.865	1.097			2.0	230	09
06/12/23 08:30	1.685	3.356	5.041	1.008			1.8	217	17
06/12/23 08:35	2.129	2.347	4.476	0.941			1.7	212	17
06/12/23 08:40	2.868	2.344	5.212	0.923			1.4	214	19
06/12/23 08:45	5.996	4.879	10.875	0.911			1.1	206	22
06/12/23 08:50	5.369	5.006	10.375	0.859			1.4	210	22
06/12/23 08:55	3.613	3.310	6.924	0.816			1.5	213	19
06/12/23 09:00	3.738	3.584	7.322	0.779			1.8	220	14
06/12/23 09:05	3.901	3.437	7.338	0.785			1.7	216	18
06/12/23 09:10	3.398	3.575	6.973	0.812			1.6	219	16
06/12/23 09:15	3.329	3.716	7.045	0.781			1.9	214	14
06/12/23 09:20	3.153	3.820	6.973	0.783			1.9	222	14
06/12/23 09:25	3.407	4.960	8.368	0.699			1.6	215	18
06/12/23 09:30	3.750	4.951	8.701	0.697			2.1	213	12
06/12/23 09:35	4.038	3.812	7.850	0.672			1.4	212	20
06/12/23 09:40	4.192	3.978	8.169	0.635			1.4	209	22
06/12/23 09:45	2.698	2.051	4.749	0.618			1.6	211	19
06/12/23 09:50	10.101	6.276	16.377	0.577			1.6	218	20
06/12/23 09:55	2.613	1.254	3.868	0.628			1.8	218	16
06/12/23 10:00	2.469	2.251	4.720	0.604			2.0	224	14
06/12/23 10:05	2.718	2.111	4.829	0.608			1.7	218	16
06/12/23 10:10	3.218	2.675	5.893	0.530			1.5	208	24
06/12/23 10:15	3.680	4.154	7.834	0.557			1.8	219	16
06/12/23 10:20	2.846	0.713	3.559	0.518			2.2	218	16
06/12/23 10:25	1.793	0.699	2.491	0.453			2.4	217	16
06/12/23 10:30	1.273	0.741	2.013	0.417			2.3	217	16
06/12/23 10:35	1.038	1.107	2.145	0.381			2.0	215	18
06/12/23 10:40	1.492	1.524	3.016	0.389			2.0	214	19
06/12/23 10:45	1.904	2.492	4.395	0.348			1.8	212	18
06/12/23 10:50	1.321	1.911	3.231	0.356			1.6	213	20
06/12/23 10:55	1.183	1.834	3.016	0.337			2.0	220	16
06/12/23 11:00	1.181	1.579	2.760	0.337			2.2	225	12
06/12/23 11:05	1.407	1.392	2.800	0.324			2.5	218	12
06/12/23 11:10	0.964	2.033	2.998	0.243			2.0	215	17
06/12/23 11:15	10.583		10.311	0.314			1.2	205	32
06/12/23 11:20	25.135	14.324	39.459	0.442			1.0	173	41
06/12/23 11:25	34.695	13.141	47.836	0.433			0.9	176	43
06/12/23 11:30	17.642	9.477	27.119	0.406			1.1	195	29
06/12/23 11:35	9.929	7.200	17.129	0.407			0.9	202	33
06/12/23 11:40	5.234	7.604	12.838	0.386			0.9	192	33
06/12/23 11:45	21.858	13.426	35.284	0.447			1.0	196	32
06/12/23 11:50	15.383	6.961	22.344	0.447			1.3	191	28
06/12/23 11:55	4.619	4.042	8.661	0.453			1.3	207	26
06/12/23 12:00	5.021	5.959	10.981	0.408			1.4	197	25
06/12/23 12:05	6.151	4.964	11.115	0.337			1.6	204	21
06/12/23 12:10	36.581	19.105	55.685	0.275			1.1	190	33
06/12/23 12:15	31.225	19.114	50.339	0.334			1.2	185	27
06/12/23 12:20	20.943	9.573	30.516	0.400			1.2	196	25
06/12/23 12:25	45.968	16.713	62.681	0.469			1.2	191	25
06/12/23 12:30	33.346	14.547	47.893	0.543			1.0	203	31

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/12/23 12:35	6.781	8.764	15.545	0.578			1.2	209	26
06/12/23 12:40	8.672	9.139	17.811	0.603			1.0	203	29
06/12/23 12:45	8.395	9.457	17.851	0.635			1.6	219	16
06/12/23 12:50	6.117	3.667	9.784	0.719			1.3	218	21
06/12/23 12:55	3.464	4.124	7.588	0.718			1.3	211	25
06/12/23 13:00	2.072	3.512	5.584	0.652			1.5	214	17
06/12/23 13:05	2.922	2.174	5.097	0.590			1.5	214	25
06/12/23 13:10	1.256	2.660	3.915	0.542			1.4	214	19
06/12/23 13:15	1.249	2.750	3.999	0.529			1.0	208	29
06/12/23 13:20	1.509	2.490	3.999	0.469			1.7	211	17
06/12/23 13:25	8.681	7.020	15.701	0.460			1.3	192	26
06/12/23 13:30	35.575	14.732	50.307	0.483			1.3	194	28
06/12/23 13:35	36.788	15.776	52.564	0.553			1.5	188	23
06/12/23 13:40	39.712	17.412	57.123	0.549			1.2	192	25
06/12/23 13:45	15.671	10.569	26.239	0.492			1.5	190	20
06/12/23 13:50	17.221	12.204	29.425	0.501			1.3	207	29
06/12/23 13:55	24.032	9.963	33.995	0.490			1.1	192	28
06/12/23 14:00	23.788	14.667	38.455	0.578			1.4	200	23
06/12/23 14:05	28.196	16.152	44.348	0.586			1.3	204	28
06/12/23 14:10	19.713	10.717	30.430	0.558			1.1	203	32
06/12/23 14:15	15.310	10.503	25.813	0.542			1.3	193	31
06/12/23 14:20	36.485	17.895	54.380	0.508			1.2	193	36
06/12/23 14:25	35.833	19.089	54.921	0.562			1.3	197	33
06/12/23 14:30	25.458	14.476	39.934	0.563			1.4	192	28
06/12/23 14:35	11.324	9.999	21.323	0.526			1.1	194	30
06/12/23 14:40	19.389	10.862	30.251	0.537			1.3	198	27
06/12/23 14:45	33.843	15.599	49.442	0.514			1.4	193	27
06/12/23 14:50	21.909	15.626	37.535	0.377			1.2	196	33
06/12/23 14:55	26.503	16.691	43.194	0.364			1.2	198	36
06/12/23 15:00	23.601	14.426	38.027	0.322			1.3	205	29
06/12/23 15:05	12.381	8.812	21.193	0.331			1.5	201	24
06/12/23 15:10	9.400	8.079	17.478	0.354			1.6	203	26
06/12/23 15:15	4.943	3.897	8.840	0.356			1.7	207	26
06/12/23 15:20	11.302	7.213	18.515	0.311			1.8	210	22
06/12/23 15:25	6.051	4.359	10.410	0.256			1.8	213	21
06/12/23 15:30	3.782	2.685	6.467	0.261			2.4	217	16
06/12/23 15:35	2.075	1.512	3.587	0.292			2.4	217	14
06/12/23 15:40	1.823	2.535	4.357	0.273			2.3	212	18
06/12/23 15:45	2.766	8.346	11.112	0.280			2.6	218	15
06/12/23 15:50	3.034	4.626	7.660	0.282			2.5	218	13
06/12/23 15:55	3.325	6.192	9.517	0.313			3.4	216	17
06/12/23 16:00	3.506	5.968	9.474	0.333			3.1	212	15
06/12/23 16:05	3.343	5.503	8.846	0.333			3.0	216	13
06/12/23 16:10	3.163	4.651	7.814	0.335			3.2	213	14
06/12/23 16:15	3.112	4.561	7.674	0.375			2.6	210	17
06/12/23 16:20	3.337	5.953	9.290	0.361			2.6	212	14
06/12/23 16:25	4.283	8.003	12.287	0.321			2.6	211	17
06/12/23 16:30	4.055	3.411	7.466	0.328			3.0	214	15
06/12/23 16:35	4.911	7.494	12.405	0.386			3.4	210	13
06/12/23 16:40	4.287	3.921	8.208	0.421			2.9	212	16
06/12/23 16:45	3.461	3.069	6.530	0.423			2.4	207	18
06/12/23 16:50	31.031	19.984	51.015	0.588			2.7	208	15
06/12/23 16:55	4.697	4.752	9.448	1.016			1.9	207	22
06/12/23 17:00	13.320	13.482	26.802	1.258			2.6	216	14
06/12/23 17:05	60.098	11.107	71.204	2.193			2.2	215	14
06/12/23 17:10	33.137	10.572	43.709	3.806			3.3	209	13
06/12/23 17:15	73.241	12.313	85.554	3.734			3.1	206	15
06/12/23 17:20	27.028	6.260	33.288	3.536			3.4	211	15
06/12/23 17:25	28.066	5.229	33.294	2.490			4.0	218	10
06/12/23 17:30	139.771	22.008	161.780	4.132			3.2	211	14
06/12/23 17:35	35.731	8.660	44.391	4.966			3.8	216	14
06/12/23 17:40	1.917	2.070	3.987	2.969			3.4	216	13
06/12/23 17:45	1.235	2.167	3.402	1.847			4.2	215	15
06/12/23 17:50	1.241	2.231	3.472	1.578			3.8	220	12
06/12/23 17:55	3.598	12.668	16.267	1.388			4.3	216	12
06/12/23 18:00	3.938	8.210	12.148	1.260			3.7	216	14
06/12/23 18:05	1.869	1.823	3.692	1.079			3.7	216	12
06/12/23 18:10	0.277	1.163	1.440	1.034			4.2	215	11
06/12/23 18:15	0.288	1.115	1.403	0.899			3.8	217	13
06/12/23 18:20	0.204	1.069	1.274	0.801			4.5	216	09
06/12/23 18:25	3.821	6.410	10.232	0.856			3.5	213	13
06/12/23 18:30	12.787	16.407	29.194	0.791			3.8	215	13
06/12/23 18:35	12.521	13.484	26.005	0.842			3.5	211	12
06/12/23 18:40	3.482	8.825	12.307	0.878			3.4	207	13
06/12/23 18:45	1.019	6.075	7.094	0.775			3.9	210	14
06/12/23 18:50	0.800	5.632	6.432	0.758			3.6	212	13
06/12/23 18:55	1.010	6.269	7.278	0.749			3.4	207	16
06/12/23 19:00	1.386	8.068	9.455	0.862			3.2	210	15
06/12/23 19:05	1.231	7.182	8.413	0.804			3.4	214	13
06/12/23 19:10	7.397	21.983	29.380	0.636			2.9	212	19
06/12/23 19:15	6.261	11.187	17.448	0.600			3.3	210	17
06/12/23 19:20	1.369	1.919	3.287	0.531			2.6	214	17
06/12/23 19:25	0.669	0.818	1.488	0.570			2.0	208	24
06/12/23 19:30	0.385	0.712	1.097	0.597			2.2	212	22
06/12/23 19:35	0.363	0.836	1.199	0.556			2.2	205	22
06/12/23 19:40	0.268	0.876	1.143	0.566			2.4	208	24
06/12/23 19:45	0.132	0.809	0.941	0.442			2.1	204	23
06/12/23 19:50	0.054	0.836	0.890	0.418			2.1	206	22
06/12/23 19:55	-0.006	0.877	0.871	0.445			1.9	207	18
06/12/23 20:00	-0.025	0.880	0.855	0.583			2.1	212	19
06/12/23 20:05	0.044	1.024	1.068	0.597			1.6	202	23
06/12/23 20:10	0.125	1.255	1.379	0.364			2.8	213	13
06/12/23 20:15	0.631	3.169	3.800	0.351			2.3	212	17
06/12/23 20:20	0.387	1.836	2.223	0.388			1.7	214	16
06/12/23 20:25	0.170	1.967	2.137	0.432			2.2	206	13
06/12/23 20:30	0.172	2.015	2.186	0.442			1.9	204	16
06/12/23 20:35	0.139	2.156	2.296	0.466			1.7	206	17
06/12/23 20:40	0.138	2.053	2.191	0.385			1.2	195	26
06/12/23 20:45	0.067	1.934	2.002	0.391			1.4	166	38
06/12/23 20:50	0.026	1.869	1.895	0.419			1.9	145	19
06/12/23 20:55	0.044	1.685	1.729	0.472			2.2	151	20
06/12/23 21:00	0.048	1.573	1.621	0.454			1.4	152	30
06/12/23 21:05	0.124	1.512	1.637	0.359			1.4	152	30
06/12/23 21:10	0.157	1.442	1.599	0.372			1.3	150	23
06/12/23 21:15	0.100	1.488	1.589	0.435			1.1	142	30
06/12/23 21:20	0.073	1.515	1.588	0.485			1.0	147	31

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/12/23 21:25	0.034	1.571	1.605	0.482			1.2	153	21
06/12/23 21:30	0.141	1.574	1.715	0.428			0.9	150	30
06/12/23 21:35	0.173	1.550	1.723	0.408			1.2	151	23
06/12/23 21:40	0.194	1.550	1.744	0.353			1.0	157	27
06/12/23 21:45	0.064	1.608	1.672	0.414			0.9	148	23
06/12/23 21:50	-0.025	1.692	1.667	0.284			0.9	160	30
06/12/23 21:55	-0.087	1.751	1.663	0.364			0.8	138	36
06/12/23 22:00	-0.054	1.752	1.699	0.397			0.8	186	41
06/12/23 22:05	-0.067	1.761	1.693	0.269			1.1	158	28
06/12/23 22:10	0.042	1.700	1.742	0.283			1.3	150	21
06/12/23 22:15	0.007	1.727	1.734	0.323			0.9	152	36
06/12/23 22:20	-0.025	1.758	1.733	0.282			1.3	155	26
06/12/23 22:25	-0.059	1.827	1.767	0.279			1.6	152	17
06/12/23 22:30	-0.090	2.308	2.218	0.321			1.4	124	21
06/12/23 22:35	-0.068	3.098	3.031	0.314			1.0	150	37
06/12/23 22:40	-0.046	4.152	4.105	0.306			1.2	151	28
06/12/23 22:45	-0.066	4.536	4.470	0.218			1.6	156	24
06/12/23 22:50	-0.007	4.499	4.492	0.165			1.5	155	25
06/12/23 22:55	0.061	4.550	4.611	0.179			1.6	155	20
06/12/23 23:00	0.094	4.456	4.550	0.291			1.7	148	21
06/12/23 23:05	0.099	4.427	4.526	0.343			0.6	186	47
06/12/23 23:10	0.102	4.120	4.222	0.278			1.0	203	27
06/12/23 23:15	0.130	3.803	3.933	0.234			1.4	205	18
06/12/23 23:20	0.132	3.532	3.664	0.190			1.3	215	17
06/12/23 23:25	0.068	3.359	3.427	0.239			1.2	196	23
06/12/23 23:30	0.011	3.212	3.223	0.229			1.5	216	14
06/12/23 23:35	0.073	3.083	3.156	0.210			1.1	212	20
06/12/23 23:40	0.084	3.077	3.161	0.186			0.9	183	37
06/12/23 23:45	0.059	3.150	3.209	0.224			1.0	159	31
06/12/23 23:50	-0.036	3.258	3.223				1.5	151	24
06/12/23 23:55	0.042	3.252	3.294				1.4	148	29
07/12/23 00:00	0.131	3.330	3.461	0.197			1.5	153	22
07/12/23 00:05	0.175	3.597	3.772	0.215			1.5	153	24
07/12/23 00:10	0.139	3.546	3.685	0.144			1.6	154	23
07/12/23 00:15	0.035	3.404	3.439	0.101			1.3	159	26
07/12/23 00:20	0.007	3.140	3.147	0.132			1.3	153	27
07/12/23 00:25	-0.022	3.007	2.986	0.134			0.9	126	35
07/12/23 00:30	-0.005	3.026	3.021	0.051			0.9	140	39
07/12/23 00:35	-0.003	2.974	2.972	0.062			1.7	127	11
07/12/23 00:40	0.025	2.796	2.821	0.107			1.7	124	15
07/12/23 00:45	0.085	2.594	2.679	0.110			1.1	133	29
07/12/23 00:50	-0.028	2.395	2.367	0.141			0.9	136	38
07/12/23 00:55	-0.008	2.224	2.217	0.167			1.2	136	21
07/12/23 01:00	0.025	2.067	2.092	0.169			1.3	139	25
07/12/23 01:05							1.2	125	21
07/12/23 01:10							1.2	129	25
07/12/23 01:15							1.1	125	17
07/12/23 01:20							1.0	126	20
07/12/23 01:25							0.6	138	44
07/12/23 01:30							0.7	153	34
07/12/23 01:35							1.3	130	14
07/12/23 01:40							1.3	149	20
07/12/23 01:45							0.7	157	40
07/12/23 01:50							0.9	160	37
07/12/23 01:55							1.1	146	22
07/12/23 02:00							0.8	147	32
07/12/23 02:05	-0.032	1.862	1.830	0.100			1.1	123	22
07/12/23 02:10	-0.045	1.786	1.742	0.086			1.0	117	21
07/12/23 02:15	-0.133	1.796	1.663	0.153			1.1	104	17
07/12/23 02:20	-0.061	1.886	1.825	0.183			1.5	91	13
07/12/23 02:25	-0.033	2.034	2.001	0.236			1.2	102	18
07/12/23 02:30	0.041	2.048	2.089	0.187			1.5	106	18
07/12/23 02:35	-0.087	2.086	1.999	0.162			1.3	105	16
07/12/23 02:40	-0.066	2.180	2.114	0.176			1.4	107	16
07/12/23 02:45	-0.043	2.274	2.231	0.149			1.5	107	13
07/12/23 02:50	-0.028	2.481	2.453	0.104			1.5	115	12
07/12/23 02:55	-0.003	2.551	2.548	0.100			1.7	114	12
07/12/23 03:00	-0.001	2.558	2.557	0.112			1.6	105	13
07/12/23 03:05	0.026	2.630	2.656	0.132			1.5	91	13
07/12/23 03:10	-0.067	2.621	2.554	0.150			1.6	114	12
07/12/23 03:15	-0.050	2.650	2.600	0.131			1.7	111	13
07/12/23 03:20	-0.006	2.640	2.633	0.161			1.5	108	17
07/12/23 03:25	-0.010	2.656	2.646	0.179			1.3	98	15
07/12/23 03:30	0.104	2.675	2.780	0.116			1.3	98	17
07/12/23 03:35	0.058	2.624	2.681	0.101			1.3	88	17
07/12/23 03:40	0.094	2.689	2.784	0.148			1.0	68	18
07/12/23 03:45	0.101	3.251	3.351	0.085			1.1	62	14
07/12/23 03:50	0.051	3.601	3.652	0.089			1.0	90	17
07/12/23 03:55	0.131	3.728	3.859	0.097			1.3	118	13
07/12/23 04:00	0.174	3.881	4.055	0.049			1.2	106	18
07/12/23 04:05	0.257	4.362	4.618	0.019			1.0	96	15
07/12/23 04:10	0.274	4.931	5.205	0.034			1.1	95	15
07/12/23 04:15	0.120	5.621	5.741	0.090			0.9	106	14
07/12/23 04:20	0.030	6.538	6.568	0.074			0.9	104	18
07/12/23 04:25	-0.067	7.840	7.773	0.053			0.9	90	18
07/12/23 04:30	0.014	8.809	8.823	0.015			0.8	100	15
07/12/23 04:35	0.052	9.669	9.721	0.102			1.0	108	18
07/12/23 04:40	0.130	10.714	10.844	0.132			1.2	107	15
07/12/23 04:45	0.530	13.031	13.560	0.197			1.1	108	11
07/12/23 04:50	1.478	20.028	21.505	0.236			1.2	106	14
07/12/23 04:55	1.967	19.167	21.134	0.219			1.2	97	16
07/12/23 05:00	1.851	16.234	18.085	0.193			1.0	92	23
07/12/23 05:05	1.590	14.043	15.632	0.190			1.0	109	14
07/12/23 05:10	1.315	13.158	14.473	0.205			1.2	99	16
07/12/23 05:15	1.249	12.509	13.758	0.133			1.1	80	17
07/12/23 05:20	1.108	12.119	13.227	0.117			1.2	79	18
07/12/23 05:25	1.011	12.071	13.081	0.105			1.1	90	16
07/12/23 05:30	1.262	12.398	13.660	0.128			1.2	102	15
07/12/23 05:35	1.761	12.993	14.755	0.125			1.5	115	13
07/12/23 05:40	1.906	13.064	14.971	0.148			0.6	120	46
07/12/23 05:45	1.694	12.369	14.063	0.173			1.5	128	14
07/12/23 05:50	1.507	10.452	11.959	0.123			1.5	127	16
07/12/23 05:55	1.245	5.048	6.293	0.144			1.2	123	14
07/12/23 06:00	1.146	5.017	6.163	0.149			1.6	120	17
07/12/23 06:05	1.124	5.412	6.535	0.099			1.4	122	12
07/12/23 06:10	1.100	6.039	7.139	0.099			1.4	113	13

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
07/12/23 06:15	1.354	7.168	8.522	0.111			1.3	120	14
07/12/23 06:20	1.727	7.729	9.456	0.146			1.4	128	13
07/12/23 06:25	1.909	6.628	8.537	0.190			1.2	132	24
07/12/23 06:30	22.253	11.160	33.413	0.316			0.8	155	39
07/12/23 06:35	2.477	6.458	8.935	0.387			0.7	156	45
07/12/23 06:40	0.914	3.374	4.288	0.365			1.0	134	33
07/12/23 06:45	1.070	3.261	4.331	0.236			1.1	127	21
07/12/23 06:50	0.898	3.142	4.040	0.224			1.1	134	26
07/12/23 06:55	0.846	3.334	4.180	0.284			0.8	144	32
07/12/23 07:00	0.750	2.852	3.603	0.305			1.2	153	28
07/12/23 07:05	0.525	2.838	3.363	0.250			1.0	158	35
07/12/23 07:10	0.470	2.778	3.248	0.262			1.5	154	24
07/12/23 07:15	0.391	2.680	3.070	0.234			1.1	151	28
07/12/23 07:20	0.214	2.540	2.754	0.198			1.4	156	25
07/12/23 07:25	0.228	2.252	2.481	0.177			1.3	149	27
07/12/23 07:30	0.654	2.487	3.141	0.177			1.2	158	23
07/12/23 07:35	0.629	2.566	3.195	0.085			1.7	152	21
07/12/23 07:40	0.366	2.590	2.955	0.085			1.0	153	32
07/12/23 07:45	0.439	2.821	3.260	0.077			1.5	156	19
07/12/23 07:50	0.661	3.169	3.830	0.080			0.9	142	31
07/12/23 07:55	0.941	3.527	4.468	0.145			1.2	149	32
07/12/23 08:00	1.028	3.418	4.446	0.136			1.4	153	22
07/12/23 08:05	0.782	3.075	3.857	0.145			1.0	140	33
07/12/23 08:10	0.804	2.967	3.771	0.172			1.0	129	33
07/12/23 08:15	0.931	3.045	3.976	0.189			0.9	122	24
07/12/23 08:20	1.069	3.145	4.214	0.214			1.3	125	23
07/12/23 08:25	1.042	3.049	4.090	0.223			1.1	126	18
07/12/23 08:30	0.975	2.966	3.941	0.249			1.1	140	25
07/12/23 08:35	1.013	3.012	4.025	0.215			0.5	166	41
07/12/23 08:40	1.099	3.046	4.145	0.164			0.7	176	28
07/12/23 08:45	1.162	3.073	4.235	0.208			0.5	160	42
07/12/23 08:50	1.301	3.076	4.377	0.129			0.5	198	43
07/12/23 08:55	1.493	3.155	4.648	0.170			0.5	179	47
07/12/23 09:00	1.679	3.242	4.922	0.211			0.8	194	24
07/12/23 09:05	1.734	3.254	4.988	0.212			0.8	195	24
07/12/23 09:10	1.654	3.295	4.948	0.204			0.7	185	35
07/12/23 09:15	4.460	6.488	10.947	0.220			0.7	189	30
07/12/23 09:20	5.601	5.650	11.251	0.188			0.8	211	32
07/12/23 09:25	3.193	3.514	6.707	0.151			1.3	216	17
07/12/23 09:30	3.561	5.613	9.175	0.172			1.1	198	25
07/12/23 09:35	4.294	6.924	11.218	0.243			0.8	202	30
07/12/23 09:40	4.386	6.395	10.781	0.262			1.3	214	19
07/12/23 09:45	4.094	5.141	9.235	0.258			1.5	222	18
07/12/23 09:50	3.699	4.741	8.440	0.231			2.1	227	07
07/12/23 09:55	3.884	5.137	9.021	0.258			2.6	228	08
07/12/23 10:00	4.784	7.834	12.618	0.278			2.4	227	06
07/12/23 10:05	5.235	8.902	14.136	0.322			2.5	225	08
07/12/23 10:10	5.675	8.982	14.657	0.305			2.5	223	08
07/12/23 10:15	5.639	8.150	13.789	0.314			1.8	225	14
07/12/23 10:20	5.115	6.720	11.835	0.383			1.1	199	25
07/12/23 10:25	4.669	5.723	10.391	0.396			1.2	207	25
07/12/23 10:30	4.343	5.499	9.842	0.444			0.8	197	33
07/12/23 10:35	4.564	7.466	12.030	0.450			0.9	210	30
07/12/23 10:40	3.122	4.161	7.284	0.401			1.5	222	18
07/12/23 10:45	3.271	3.936	7.207	0.364			0.9	194	31
07/12/23 10:50	3.371	4.062	7.432	0.362			1.0	199	20
07/12/23 10:55	3.115	4.605	7.720	0.327			1.0	207	30
07/12/23 11:00	2.887	4.309	7.197	0.320			1.8	224	11
07/12/23 11:05	2.545	3.459	6.004	0.316			1.5	220	15
07/12/23 11:10	2.442	3.569	6.011	0.356			2.3	227	06
07/12/23 11:15	2.295	3.589	5.884	0.336			2.2	223	08
07/12/23 11:20	2.238	3.771	6.009	0.317			2.0	221	14
07/12/23 11:25	2.085	3.845	5.931	0.266			2.3	224	10
07/12/23 11:30	1.882	3.795	5.677	0.266			2.5	221	07
07/12/23 11:35	1.963	3.783	5.745	0.317			2.3	222	07
07/12/23 11:40	1.939	3.807	5.746	0.346			1.2	209	21
07/12/23 11:45	1.860	3.767	5.627	0.375			1.5	223	16
07/12/23 11:50	1.791	3.612	5.403	0.332			2.4	225	12
07/12/23 11:55	1.832	3.557	5.389	0.246			1.8	219	16
07/12/23 12:00	1.794	3.383	5.177	0.246			1.6	219	19
07/12/23 12:05	1.691	3.372	5.063	0.203			1.6	216	18
07/12/23 12:10	1.589	3.307	4.896	0.222			2.1	220	10
07/12/23 12:15	1.621	3.275	4.896	0.271			2.4	224	11
07/12/23 12:20	1.849	3.791	5.640	0.187			2.1	222	14
07/12/23 12:25	4.016	15.098	19.114	0.169			1.5	218	17
07/12/23 12:30	2.858	3.910	6.768	0.114			1.5	223	15
07/12/23 12:35	2.157	3.729	5.886	0.132			2.3	223	11
07/12/23 12:40	1.730	3.280	5.010	0.139			2.0	218	15
07/12/23 12:45	1.489	3.197	4.686	0.150			2.1	227	08
07/12/23 12:50	1.324	3.170	4.494	0.121			2.2	224	09
07/12/23 12:55	1.473	3.224	4.697	0.080			1.8	226	12
07/12/23 13:00	1.558	3.301	4.859	0.067			2.4	224	06
07/12/23 13:05	1.634	3.475	5.109	0.005			2.0	229	09
07/12/23 13:10	1.643	3.706	5.349	0.011			2.0	223	09
07/12/23 13:15	1.629	3.838	5.467	-0.017			1.8	225	09
07/12/23 13:20	1.625	3.958	5.582	-0.019			2.1	226	08
07/12/23 13:25	1.945	4.734	6.678	-0.068			2.2	223	07
07/12/23 13:30	1.777	4.652	6.428	-0.076			2.3	227	06
07/12/23 13:35	1.657	4.380	6.037	0.006			1.9	227	10
07/12/23 13:40	1.643	4.310	5.953	0.059			1.9	221	09
07/12/23 13:45	1.481	4.320	5.801	0.051			1.8	227	07
07/12/23 13:50	1.413	4.296	5.709	0.049			1.4	225	13
07/12/23 13:55	1.436	4.382	5.818	-0.012			1.0	216	23
07/12/23 14:00	1.544	4.580	6.124	-0.027			1.1	216	21
07/12/23 14:05	2.203	5.881	8.084	-0.041			0.9	197	30
07/12/23 14:10	2.330	5.591	7.920	-0.063			1.2	194	26
07/12/23 14:15	2.226	5.189	7.415	-0.043			1.1	190	31
07/12/23 14:20	2.339	6.434	8.773	0.055			1.1	183	33
07/12/23 14:25	2.305	5.966	8.271	0.065			1.1	185	32
07/12/23 14:30	2.840	6.875	9.715	0.139			0.8	169	43
07/12/23 14:35	3.539	8.287	11.826	0.112			0.8	163	46
07/12/23 14:40	3.144	3.847	6.991	0.109			1.3	143	28
07/12/23 14:45	2.693	4.003	6.696	0.147			1.3	142	24
07/12/23 14:50	2.439	3.701	6.141	0.181			1.4	141	25
07/12/23 14:55	2.162	4.343	6.505	0.122			0.6	179	49
07/12/23 15:00	1.843	4.391	6.234	0.045			1.0	191	30

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
07/12/23 15:05	1.358	4.110	5.468	0.013			1.3	198	24
07/12/23 15:10	1.141	3.935	5.075	-0.015			1.1	201	26
07/12/23 15:15	1.340	5.469	6.808	0.007			1.0	190	27
07/12/23 15:20	1.452	5.443	6.895	0.046			1.2	189	25
07/12/23 15:25	1.294	4.323	5.617	0.033			1.0	196	32
07/12/23 15:30	1.032	3.621	4.654	0.047			1.0	204	29
07/12/23 15:35	0.895	3.306	4.201	0.085			1.6	214	23
07/12/23 15:40	0.835	3.135	3.970	0.007			1.3	207	28
07/12/23 15:45	0.957	3.405	4.362	0.025			1.4	210	25
07/12/23 15:50	0.952	3.517	4.469	0.013			1.0	195	37
07/12/23 15:55	1.389	4.437	5.826	0.003			1.5	198	21
07/12/23 16:00	2.188	8.503	10.691	0.120			1.3	199	30
07/12/23 16:05	2.413	8.402	10.815	0.218			1.4	203	26
07/12/23 16:10	2.327	6.858	9.185	0.278			1.2	204	26
07/12/23 16:15	2.603	6.580	9.183	0.346			1.1	204	25
07/12/23 16:20	2.282	4.533	6.815	0.245			1.3	196	30
07/12/23 16:25	1.906	3.955	5.861	0.141			1.5	207	25
07/12/23 16:30	1.806	4.319	6.124	0.085			1.3	206	29
07/12/23 16:35	1.956	4.845	6.802	0.123			1.3	202	27
07/12/23 16:40	1.783	4.596	6.379	0.129			1.4	211	23
07/12/23 16:45	1.536	4.120	5.656	0.096			1.4	204	27
07/12/23 16:50	1.903	6.969	8.872	0.132			1.2	198	26
07/12/23 16:55	2.253	10.776	13.029	0.204			1.2	190	33
07/12/23 17:00	1.730	1.953	3.683	0.170			1.2	186	32
07/12/23 17:05	1.101	0.942	2.044	0.170			1.8	148	29
07/12/23 17:10	0.694	0.806	1.500	0.092			2.8	142	16
07/12/23 17:15	0.576	1.130	1.707	0.052			2.3	143	23
07/12/23 17:20	0.588	1.760	2.348	-0.032			1.9	146	23
07/12/23 17:25	0.585	2.103	2.689	-0.068			1.9	145	22
07/12/23 17:30	0.475	2.213	2.688	-0.073			1.9	144	19
07/12/23 17:35	0.420	2.226	2.646	-0.056			2.4	146	19
07/12/23 17:40	0.394	2.205	2.599	-0.052			1.8	143	26
07/12/23 17:45	0.375	2.062	2.437	-0.006			1.5	143	28
07/12/23 17:50	0.498	2.135	2.632	0.026			1.2	142	35
07/12/23 17:55	0.631	2.623	3.254	0.040			0.8	194	47
07/12/23 18:00	0.692	3.261	3.953	0.028			0.6	167	57
07/12/23 18:05	0.727	3.441	4.168	0.045			0.7	185	48
07/12/23 18:10	0.670	3.324	3.994	0.008			0.5	166	58
07/12/23 18:15	0.610	3.277	3.887	0.018			0.5	165	55
07/12/23 18:20	0.741	3.578	4.319	0.071			1.2	194	26
07/12/23 18:25	0.997	5.125	6.122	0.076			0.8	207	38
07/12/23 18:30	1.232	7.833	9.065	0.040			0.9	210	35
07/12/23 18:35	1.396	8.054	9.451	0.034			0.9	194	25
07/12/23 18:40	1.311	7.824	9.135	0.022			1.0	206	37
07/12/23 18:45	1.186	7.715	8.901	0.054			0.4	224	66
07/12/23 18:50	1.120	7.705	8.825	0.032			0.2	258	72
07/12/23 18:55	1.072	8.077	9.149	0.051			0.6	147	37
07/12/23 19:00	1.004	8.463	9.467	0.022			0.9	161	27
07/12/23 19:05	0.941	8.979	9.920	0.027			0.3	170	49
07/12/23 19:10	0.944	9.697	10.642	0.043			0.3	170	49
07/12/23 19:15	0.837	10.461	11.298	0.058			0.4	179	44
07/12/23 19:20	0.601	10.977	11.578	0.059			0.6	194	23
07/12/23 19:25	0.567	11.435	12.002	0.057			0.4	198	33
07/12/23 19:30	0.492	11.856	12.349	0.085			0.4	153	37
07/12/23 19:35	0.420	12.378	12.798	0.122			0.6	151	22
07/12/23 19:40	0.408	12.876	13.284	0.094			0.2	101	54
07/12/23 19:45	0.503	13.371	13.874	0.064			0.3	59	31
07/12/23 19:50	0.650	14.333	14.982	-0.029			0.4	22	14
07/12/23 19:55	1.026	18.984	20.011	-0.064			0.4	353	21
07/12/23 20:00	0.934	22.225	23.159	-0.041			0.3	323	36
07/12/23 20:05	1.475	26.723	28.197	-0.103			0.2	337	42
07/12/23 20:10	3.114	39.643	42.757	-0.039			0.4	323	24
07/12/23 20:15	15.213	36.193	51.406	-0.015			0.9	327	10
07/12/23 20:20	31.597	37.983	69.580	0.040			0.5	316	30
07/12/23 20:25	36.592	39.855	76.447	0.103			0.1	48	88
07/12/23 20:30	52.540	39.795	92.335	0.128			0.2	10	68
07/12/23 20:35	59.267	39.002	98.269	0.268			0.5	327	31
07/12/23 20:40	67.080	37.363	104.444	0.462			0.7	326	27
07/12/23 20:45	73.490	39.175	112.665	0.625			0.5	35	36
07/12/23 20:50	70.559	37.412	107.971	0.769			0.4	350	53
07/12/23 20:55	57.443	46.021	103.464	0.837			0.6	344	40
07/12/23 21:00	26.444	36.098	62.542	0.828			0.8	348	39
07/12/23 21:05	8.285	29.189	37.474	0.792			0.8	18	38
07/12/23 21:10	2.750	17.342	20.092	0.746			1.1	12	21
07/12/23 21:15	0.217	14.310	14.527	0.613			1.6	43	22
07/12/23 21:20	0.804	13.334	14.138	0.585			1.6	29	26
07/12/23 21:25	0.489	12.471	12.960	0.496			1.4	18	24
07/12/23 21:30	0.394	12.199	12.593	0.432			1.6	5	35
07/12/23 21:35	0.410	11.686	12.096	0.403			1.4	8	25
07/12/23 21:40	0.321	11.064	11.385	0.353			1.4	16	26
07/12/23 21:45	0.218	10.584	10.802	0.296			1.7	11	25
07/12/23 21:50	0.123	10.353	10.476	0.208			1.4	8	32
07/12/23 21:55	0.218	10.490	10.708	0.154			1.1	17	29
07/12/23 22:00	0.361	12.002	12.363	0.092			0.9	8	31
07/12/23 22:05	0.452	17.123	17.575	0.100			1.1	5	25
07/12/23 22:10	0.468	20.765	21.233	0.152			1.1	353	39
07/12/23 22:15	0.486	20.600	21.085	0.163			0.9	345	45
07/12/23 22:20	0.412	19.092	19.504	0.126			1.3	349	38
07/12/23 22:25	0.391	15.938	16.329	0.090			1.1	332	45
07/12/23 22:30	0.439	13.050	13.489	0.131			0.7	329	37
07/12/23 22:35	0.486	14.083	14.569	0.290			0.9	328	29
07/12/23 22:40	0.776	21.608	22.384	0.535			0.9	321	26
07/12/23 22:45	1.769	31.131	32.900	0.869			0.9	308	21
07/12/23 22:50	3.953	34.386	38.339	1.076			1.2	308	22
07/12/23 22:55	5.436	33.954	39.391	1.339			1.3	315	23
07/12/23 23:00	4.035	29.107	33.141	1.400			1.9	307	17
07/12/23 23:05	1.739	25.238	26.977	1.273			2.0	304	18
07/12/23 23:10	1.518	25.369	26.887	1.193			1.7	312	28
07/12/23 23:15	1.442	25.713	27.155	1.173			1.2	320	25
07/12/23 23:20	1.515	26.240	27.755	1.462			1.0	315	24
07/12/23 23:25	1.807	27.005	28.813	1.657			0.9	327	37
07/12/23 23:30	2.326	27.923	30.249	1.861			0.7	323	27
07/12/23 23:35	3.247	29.241	32.489	2.098			0.5	296	27
07/12/23 23:40	4.678	31.697	36.375	2.120			0.8	345	36
07/12/23 23:45	9.598	38.426	48.024	2.265			0.7	313	26
07/12/23 23:50	16.057	34.046	50.103				0.6	316	21

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
07/12/23 23:55	18.782	32.537	51.319				0.5	351	42
08/12/23 00:00	14.993	35.727	50.720	2.375			0.4	6	44
08/12/23 00:05	6.737	32.787	39.525	2.265			0.2	292	67
08/12/23 00:10	3.277	26.171	29.447	2.066			0.9	317	26
08/12/23 00:15	1.883	21.765	23.647	1.802			0.9	321	28
08/12/23 00:20	1.561	21.782	23.343	1.766			0.5	312	32
08/12/23 00:25	2.209	31.137	33.346	1.748			0.9	293	19
08/12/23 00:30	3.544	36.534	40.079	1.714			0.7	314	25
08/12/23 00:35	4.042	35.400	39.442	1.717			0.8	313	38
08/12/23 00:40	4.562	35.055	39.617	1.843			0.5	353	58
08/12/23 00:45	4.104	27.089	31.193	1.895			1.0	9	34
08/12/23 00:50	2.964	12.593	15.557	1.757			0.7	345	49
08/12/23 00:55	1.773	11.578	13.352	1.462			1.6	325	31
08/12/23 01:00	0.854	7.919	8.773	1.159			1.0	1	45
08/12/23 01:05							1.2	354	35
08/12/23 01:10							1.0	11	30
08/12/23 01:15							0.7	318	41
08/12/23 01:20							0.8	335	33
08/12/23 01:25							0.9	335	34
08/12/23 01:30							0.7	319	33
08/12/23 01:35							0.7	15	41
08/12/23 01:40							1.0	357	42
08/12/23 01:45							1.7	17	29
08/12/23 01:50							1.7	20	26
08/12/23 01:55							2.0	15	29
08/12/23 02:00							1.7	17	32
08/12/23 02:05	0.286	7.570	7.856	0.658			1.9	11	28
08/12/23 02:10	0.254	7.263	7.518	0.553			1.8	14	28
08/12/23 02:15	0.152	7.226	7.377	0.412			1.8	3	27
08/12/23 02:20	0.189	7.475	7.664	0.367			1.4	6	35
08/12/23 02:25	0.191	8.163	8.354	0.468			1.2	24	30
08/12/23 02:30	0.174	8.678	8.851	0.530			1.6	27	27
08/12/23 02:35	0.215	8.648	8.862	0.441			1.5	24	31
08/12/23 02:40	0.185	8.420	8.605	0.309			2.0	14	24
08/12/23 02:45	0.155	8.478	8.633	0.298			1.5	6	38
08/12/23 02:50	0.134	9.205	9.339	0.168			1.6	10	28
08/12/23 02:55	0.133	10.355	10.487	0.056			1.3	26	31
08/12/23 03:00	0.167	11.163	11.330	0.098			1.4	20	26
08/12/23 03:05	0.149	11.188	11.337	0.098			1.2	14	38
08/12/23 03:10	0.202	11.129	11.331	0.043			1.5	6	32
08/12/23 03:15	0.305	11.805	12.110	0.089			1.0	22	27
08/12/23 03:20	0.301	12.310	12.611	0.080			1.1	42	25
08/12/23 03:25	0.242	11.735	11.978	0.056			1.5	22	24
08/12/23 03:30	0.272	10.568	10.841	0.210			1.5	15	28
08/12/23 03:35	0.451	9.877	10.328	0.133			1.2	36	31
08/12/23 03:40	0.493	9.490	9.984	0.178			1.8	31	31
08/12/23 03:45	0.370	8.674	9.044	0.267			1.5	15	31
08/12/23 03:50	0.320	8.506	8.827	0.276			1.8	35	21
08/12/23 03:55	0.181	8.481	8.662	0.372			1.3	40	34
08/12/23 04:00	0.226	8.393	8.620	0.461			2.1	34	28
08/12/23 04:05	0.172	8.062	8.234	0.457			2.4	38	25
08/12/23 04:10	0.118	8.074	8.192	0.424			2.3	24	22
08/12/23 04:15	0.071	7.986	8.057	0.304			1.8	25	27
08/12/23 04:20	0.045	8.144	8.188	0.209			2.0	26	21
08/12/23 04:25	0.101	8.405	8.506	0.187			2.1	36	23
08/12/23 04:30	0.346	8.499	8.845	0.199			1.8	35	27
08/12/23 04:35	0.798	8.694	9.492	0.180			2.3	44	24
08/12/23 04:40	0.375	8.810	9.184	0.270			2.0	19	26
08/12/23 04:45	0.304	8.894	9.198	0.290			2.0	24	27
08/12/23 04:50	0.204	9.369	9.573	0.267			1.3	10	32
08/12/23 04:55	0.568	10.488	11.056	0.262			1.6	37	27
08/12/23 05:00	0.438	10.820	11.258	0.210			2.1	32	24
08/12/23 05:05	0.343	11.004	11.347	0.269			2.2	27	33
08/12/23 05:10	0.251	11.422	11.673	0.175			1.7	20	22
08/12/23 05:15	0.238	12.085	12.323	0.099			1.4	26	31
08/12/23 05:20	0.273	13.156	13.429	0.020			1.2	27	36
08/12/23 05:25	0.444	14.187	14.632	-0.033			1.6	4	28
08/12/23 05:30	0.561	14.785	15.347	-0.024			1.6	17	34
08/12/23 05:35	0.603	15.308	15.911	-0.014			2.4	25	20
08/12/23 05:40	0.767	15.824	16.592	0.107			1.7	20	30
08/12/23 05:45	1.044	19.322	20.366	0.196			1.3	7	42
08/12/23 05:50	1.783	24.984	26.767	0.252			2.2	26	27
08/12/23 05:55	2.037	23.504	25.541	0.327			1.8	23	27
08/12/23 06:00	2.422	22.850	25.272	0.349			2.1	16	32
08/12/23 06:05	2.105	15.085	17.191	0.326			1.7	12	37
08/12/23 06:10	1.797	13.489	15.286	0.295			2.3	28	22
08/12/23 06:15	1.476	13.460	14.937	0.266			2.2	2	32
08/12/23 06:20	1.206	13.188	14.395	0.196			2.3	11	27
08/12/23 06:25	1.091	13.443	14.534	0.084			1.9	16	30
08/12/23 06:30	2.201	14.187	16.388	0.011			1.7	36	28
08/12/23 06:35	3.192	18.241	21.434	0.039			1.9	19	26
08/12/23 06:40	3.570	22.868	26.438	0.089			1.5	3	30
08/12/23 06:45	3.478	23.444	26.921	0.195			1.8	323	31
08/12/23 06:50	6.056	34.341	40.397	0.250			1.8	13	35
08/12/23 06:55	17.140	34.008	51.148	0.256			1.8	47	26
08/12/23 07:00	14.472	29.409	43.881	0.303			1.9	44	29
08/12/23 07:05	6.011	24.692	30.703	0.257			2.0	17	29
08/12/23 07:10	6.330	24.182	30.512	0.251			1.8	27	34
08/12/23 07:15	7.403	18.527	25.931	0.282			1.4	50	40
08/12/23 07:20	7.253	21.490	28.742	0.314			2.4	64	31
08/12/23 07:25	3.748	21.482	25.230	0.344			2.8	62	22
08/12/23 07:30	7.061	28.520	35.581	0.252			2.2	72	29
08/12/23 07:35	6.800	21.758	28.558	0.208			2.0	51	35
08/12/23 07:40	9.002	20.149	29.152	0.215			2.3	64	26
08/12/23 07:45	11.534	24.123	35.657	0.235			2.2	59	30
08/12/23 07:50	12.833	22.518	35.352	0.247			2.4	62	27
08/12/23 07:55	14.625	23.106	37.732	0.299			2.2	49	33
08/12/23 08:00	8.652	15.635	24.286	0.251			2.9	58	30
08/12/23 08:05	10.649	19.201	29.851	0.203			2.3	56	23
08/12/23 08:10	10.763	25.792	36.555	0.237			2.3	69	25
08/12/23 08:15	12.897	22.933	35.831	0.237			2.9	51	29
08/12/23 08:20	12.001	22.053	34.054	0.122			2.8	65	29
08/12/23 08:25	9.322	21.794	31.116	0.149			2.1	39	36
08/12/23 08:30	18.134	19.867	38.001	0.207			1.6	67	35
08/12/23 08:35	15.797	23.158	38.955	0.173			2.2	69	24
08/12/23 08:40	7.359	21.226	28.585	0.172			2.8	72	20

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/12/23 08:45	17.236	19.072	36.308	0.208			1.8	67	27
08/12/23 08:50	16.862	12.697	29.559	0.179			2.1	72	23
08/12/23 08:55	15.284	25.033	40.317	0.240			2.1	51	24
08/12/23 09:00	8.351	18.860	27.212	0.176			1.7	34	37
08/12/23 09:05	6.454	16.351	22.805	0.209			2.2	17	36
08/12/23 09:10	6.648	20.240	26.888	0.215			2.3	36	34
08/12/23 09:15	13.175	21.082	34.257	0.438			2.0	64	29
08/12/23 09:20	9.411	17.540	26.951	0.353			2.6	52	29
08/12/23 09:25	4.751	13.917	18.668	0.466			3.5	56	27
08/12/23 09:30	5.380	13.403	18.783	0.522			3.2	60	30
08/12/23 09:35	6.181	14.359	20.540	0.406			3.7	53	28
08/12/23 09:40	8.576	14.071	22.647	0.366			3.1	54	29
08/12/23 09:45	7.465	13.377	20.842	0.141			2.5	35	35
08/12/23 09:50	4.705	11.189	15.894	0.067			3.0	43	32
08/12/23 09:55	6.947	11.829	18.777	0.234			2.9	34	34
08/12/23 10:00	5.282	9.590	14.873	0.335			3.7	45	32
08/12/23 10:05	5.722	8.841	14.564	0.379			3.5	51	30
08/12/23 10:10	3.610	8.807	12.417	0.227			3.6	21	34
08/12/23 10:15	2.926	9.121	12.048	0.081			2.9	30	31
08/12/23 10:20	2.540	9.114	11.654	0.123			4.0	36	28
08/12/23 10:25	2.912	8.885	11.797	0.143			3.6	34	37
08/12/23 10:30	3.220	8.508	11.728	0.102			4.4	38	27
08/12/23 10:35	3.711	8.468	12.179	0.048			3.6	30	31
08/12/23 10:40	3.348	7.786	11.134	0.025			3.1	26	34
08/12/23 10:45	3.419	8.044	11.463	0.032			3.5	27	32
08/12/23 10:50	2.707	9.873	12.580	0.102			4.6	29	29
08/12/23 10:55	2.856	8.283	11.139	0.116			2.8	18	40
08/12/23 11:00	3.182	9.163	12.345	0.144			3.3	3	43
08/12/23 11:05	3.442	10.344	13.785	0.204			2.0	3	49
08/12/23 11:10	3.609	10.417	14.026	0.133			2.6	21	46
08/12/23 11:15	3.292	8.061	11.353	0.107			4.2	352	40
08/12/23 11:20	2.887	6.378	9.265	0.071			4.7	1	34
08/12/23 11:25	2.690	6.347	9.037	0.131			5.3	15	28
08/12/23 11:30	2.488	6.521	9.009	0.089			5.5	18	28
08/12/23 11:35	2.457	6.499	8.956	0.121			4.7	14	32
08/12/23 11:40	2.591	6.457	9.048	0.124			5.4	27	27
08/12/23 11:45	2.396	6.429	8.825	0.087			4.4	5	31
08/12/23 11:50	2.416	6.826	9.243	0.046			4.3	10	41
08/12/23 11:55	2.295	7.089	9.384	-0.043			3.3	18	38
08/12/23 12:00	2.252	7.473	9.725	-0.047			4.0	5	37
08/12/23 12:05	2.255	7.692	9.948	0.002			4.1	10	30
08/12/23 12:10	2.682	7.544	10.226	0.167			4.0	27	28
08/12/23 12:15	2.638	7.632	10.270	0.204			3.4	22	31
08/12/23 12:20	2.689	7.914	10.603	0.205			5.0	30	25
08/12/23 12:25	2.583	8.001	10.584	0.179			3.4	16	36
08/12/23 12:30	2.831	9.619	12.450	0.137			4.3	21	29
08/12/23 12:35	2.958	8.552	11.510	0.104			3.9	14	40
08/12/23 12:40	3.005	8.689	11.695	0.067			3.9	10	32
08/12/23 12:45	2.861	8.525	11.386	-0.004			3.9	31	27
08/12/23 12:50	3.037	8.993	12.030	0.081			4.5	6	32
08/12/23 12:55	2.412	6.590	9.002	0.181			4.9	18	30
08/12/23 13:00	2.753	10.223	12.976	0.226			3.2	359	37
08/12/23 13:05	2.695	10.106	12.800	0.246			2.9	342	46
08/12/23 13:10	2.696	12.325	15.021	0.307			2.5	355	42
08/12/23 13:15	2.516	8.574	11.090	0.147			4.5	16	34
08/12/23 13:20	2.885	11.634	14.519	0.043			3.1	12	39
08/12/23 13:25	3.003	11.234	14.237	0.042			4.1	23	33
08/12/23 13:30	2.926	9.545	12.471	0.131			4.4	18	34
08/12/23 13:35	2.827	8.091	10.917	0.168			2.2	353	45
08/12/23 13:40	2.635	8.717	11.352	0.063			2.6	359	47
08/12/23 13:45	2.342	8.776	11.118	0.109			2.6	338	47
08/12/23 13:50	2.269	8.952	11.222	0.034			3.5	334	40
08/12/23 13:55	2.063	8.774	10.837	0.055			2.8	342	44
08/12/23 14:00	1.953	8.967	10.919	0.097			3.3	331	43
08/12/23 14:05	1.906	8.874	10.780	-0.015			2.9	336	44
08/12/23 14:10	1.823	8.918	10.742	-0.031			2.9	326	38
08/12/23 14:15	1.819	9.197	11.016	0.055			3.9	340	36
08/12/23 14:20	1.605	8.506	10.111	0.048			4.7	340	34
08/12/23 14:25	1.512	8.202	9.715	0.079			4.1	327	35
08/12/23 14:30	1.449	8.153	9.602	0.059			3.9	325	38
08/12/23 14:35	1.377	8.210	9.587	-0.032			3.9	334	42
08/12/23 14:40	1.383	8.816	10.199	-0.005			3.2	339	36
08/12/23 14:45	1.308	9.237	10.545	-0.015			3.6	341	41
08/12/23 14:50	1.209	9.286	10.495	0.006			3.4	333	38
08/12/23 14:55	1.114	9.461	10.575	0.042			2.8	326	45
08/12/23 15:00	0.994	9.511	10.505	0.053			3.6	334	38
08/12/23 15:05	0.883	9.960	10.843	0.114			3.5	327	34
08/12/23 15:10	0.836	10.205	11.041	0.175			3.5	341	36
08/12/23 15:15	0.839	10.412	11.252	0.184			3.0	349	46
08/12/23 15:20	0.856	10.756	11.612	0.143			2.4	9	45
08/12/23 15:25	0.842	11.017	11.859	0.076			2.2	349	50
08/12/23 15:30	0.931	11.378	12.308	0.068			3.3	23	36
08/12/23 15:35	1.171	11.588	12.758	0.078			3.7	10	34
08/12/23 15:40	1.322	11.458	12.780	0.093			3.8	21	29
08/12/23 15:45	1.363	11.289	12.652	0.114			3.1	9	36
08/12/23 15:50	1.434	11.424	12.858	0.150			1.6	353	49
08/12/23 15:55	1.613	12.079	13.692	0.155			2.8	356	40
08/12/23 16:00	1.513	11.554	13.067	0.083			2.5	1	50
08/12/23 16:05	1.529	11.405	12.934	0.137			2.4	340	45
08/12/23 16:10	1.550	11.274	12.824	0.161			2.3	3	45
08/12/23 16:15	1.716	11.603	13.319	0.133			2.5	14	40
08/12/23 16:20	1.818	11.581	13.398	0.155			3.3	21	32
08/12/23 16:25	1.779	11.238	13.017	0.170			2.3	20	36
08/12/23 16:30	1.669	10.751	12.420	0.144			2.7	5	36
08/12/23 16:35	1.609	10.620	12.229	0.179			2.4	25	41
08/12/23 16:40	1.554	10.727	12.281	0.100			3.7	26	27
08/12/23 16:45	1.319	10.020	11.339	0.130			2.3	14	41
08/12/23 16:50	1.057	10.206	11.263	0.164			2.0	7	44
08/12/23 16:55	1.030	10.997	12.027	0.129			1.8	9	46
08/12/23 17:00	0.985	11.448	12.433	0.194			2.5	8	40
08/12/23 17:05	1.012	12.089	13.101	0.180			2.8	17	35
08/12/23 17:10	1.151	12.423	13.574	0.185			2.7	16	35
08/12/23 17:15	1.106	12.650	13.755	0.232			2.8	18	30
08/12/23 17:20	1.188	12.329	13.517	0.178			2.3	0	34
08/12/23 17:25	1.234	12.118	13.351	0.237			2.3	342	36
08/12/23 17:30	1.327	12.093	13.420	0.262			1.6	345	51

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/12/23 17:35	1.402	12.190	13.591	0.221			2.5	322	38
08/12/23 17:40	1.118	12.347	13.466	0.226			2.3	23	36
08/12/23 17:45	0.964	12.033	12.998	0.263			2.5	354	46
08/12/23 17:50	1.023	11.937	12.960	0.275			2.8	1	33
08/12/23 17:55	0.891	11.514	12.405	0.214			2.2	12	49
08/12/23 18:00	0.651	10.608	11.259	0.142			1.9	350	50
08/12/23 18:05	0.613	10.245	10.857	0.072			1.8	18	42
08/12/23 18:10	0.650	10.482	11.132	0.092			2.4	353	42
08/12/23 18:15	0.606	10.418	11.024	0.103			1.7	8	45
08/12/23 18:20	0.640	10.600	11.240	0.109			2.3	337	43
08/12/23 18:25	0.666	10.522	11.188	0.126			2.0	5	44
08/12/23 18:30	0.580	10.695	11.275	0.091			2.0	315	35
08/12/23 18:35	0.618	10.733	11.351	0.043			2.1	329	37
08/12/23 18:40	0.556	10.971	11.528	0.151			1.9	343	39
08/12/23 18:45	0.483	11.409	11.893	0.126			1.6	326	37
08/12/23 18:50	0.407	11.678	12.085	0.209			1.8	319	35
08/12/23 18:55	0.434	11.748	12.182	0.305			1.3	341	52
08/12/23 19:00	0.330	12.363	12.693	0.421			1.2	321	30
08/12/23 19:05	0.260	13.399	13.658	0.556			1.9	304	20
08/12/23 19:10	0.252	14.415	14.667	0.586			1.5	280	26
08/12/23 19:15	0.396	14.255	14.651	0.698			3.3	241	12
08/12/23 19:20	0.305	2.463	2.768	0.676			2.4	228	17
08/12/23 19:25	0.245	2.638	2.883	0.617			3.6	214	14
08/12/23 19:30	0.309	3.453	3.762	0.601			3.1	213	18
08/12/23 19:35	0.327	3.753	4.079	0.499			2.9	227	12
08/12/23 19:40	0.504	17.646	18.151	0.461			1.9	232	10
08/12/23 19:45	1.278	19.621	20.899	0.404			1.4	229	12
08/12/23 19:50	1.325	7.833	9.158	0.373			2.0	236	14
08/12/23 19:55	1.078	9.251	10.329	0.299			2.5	237	17
08/12/23 20:00	0.728	3.733	4.461	0.263			4.0	232	08
08/12/23 20:05	0.577	3.777	4.354	0.250			3.5	229	08
08/12/23 20:10	0.462	4.708	5.170	0.212			2.9	228	09
08/12/23 20:15	0.369	4.834	5.202	0.252			2.0	196	15
08/12/23 20:20	0.350	4.429	4.779	0.168			1.3	193	21
08/12/23 20:25	0.299	3.763	4.062	0.138			0.6	191	38
08/12/23 20:30	0.155	3.601	3.757	0.098			0.9	141	35
08/12/23 20:35	0.131	3.845	3.976	0.169			0.4	159	56
08/12/23 20:40	0.057	4.287	4.344	0.198			0.8	235	22
08/12/23 20:45	0.010	5.202	5.212	0.217			1.5	249	17
08/12/23 20:50	0.048	5.290	5.338	0.237			2.0	253	17
08/12/23 20:55	0.088	5.561	5.649	0.219			1.0	243	26
08/12/23 21:00	0.065	5.062	5.126	0.093			0.9	227	29
08/12/23 21:05	0.025	4.720	4.745	0.093			0.4	121	60
08/12/23 21:10	0.089	4.769	4.858	0.133			1.7	99	16
08/12/23 21:15	0.159	5.225	5.385	0.150			2.3	106	12
08/12/23 21:20	0.257	5.262	5.519	0.155			2.4	114	08
08/12/23 21:25	0.256	5.434	5.690	0.127			1.8	99	16
08/12/23 21:30	0.172	5.648	5.820	0.066			1.8	97	14
08/12/23 21:35	0.217	6.616	6.833	0.101			1.9	112	12
08/12/23 21:40	0.457	8.178	8.635	0.122			2.2	96	14
08/12/23 21:45	0.294	8.420	8.714	0.093			2.0	111	16
08/12/23 21:50	0.103	8.492	8.595	0.103			1.9	118	11
08/12/23 21:55	0.028	9.277	9.305	0.124			1.6	123	10
08/12/23 22:00	0.012	9.371	9.383	0.209			1.0	136	28
08/12/23 22:05	0.078	8.884	8.961	0.197			0.6	171	53
08/12/23 22:10	0.067	7.780	7.847	0.150			1.1	194	26
08/12/23 22:15	0.080	6.714	6.794	0.116			1.1	192	31
08/12/23 22:20	0.133	5.494	5.627	0.128			0.8	181	46
08/12/23 22:25	0.184	4.755	4.939	0.167			1.7	145	33
08/12/23 22:30	0.218	4.324	4.542	0.132			1.6	200	38
08/12/23 22:35	0.172	4.640	4.811	0.162			2.0	213	16
08/12/23 22:40	0.141	5.543	5.684	0.103			2.3	210	14
08/12/23 22:45	0.129	10.712	10.841	0.071			2.5	214	12
08/12/23 22:50	0.825	25.692	26.517	0.067			2.5	217	14
08/12/23 22:55	2.021	13.555	15.576	0.129			3.3	219	14
08/12/23 23:00	1.036	4.814	5.850	0.132			2.7	213	14
08/12/23 23:05	0.665	4.920	5.585	0.135			1.9	205	16
08/12/23 23:10	0.521	4.887	5.408	0.146			2.2	220	12
08/12/23 23:15	0.394	4.453	4.847	0.153			2.2	217	20
08/12/23 23:20	0.312	3.820	4.132	0.169			3.2	226	07
08/12/23 23:25	0.318	3.183	3.501	0.163			3.0	231	08
08/12/23 23:30	0.260	2.755	3.015	0.191			3.1	231	08
08/12/23 23:35	0.197	2.462	2.658	0.154			3.1	225	08
08/12/23 23:40	0.205	2.286	2.490	0.136			2.9	227	09
08/12/23 23:45	0.280	2.346	2.626	0.110			2.5	228	07
08/12/23 23:50	0.220	2.416	2.636				2.7	234	06
08/12/23 23:55	0.183	2.258	2.441				2.5	235	08
09/12/23 00:00	0.071	2.197	2.268	0.035			3.2	236	09
09/12/23 00:05	0.135	2.141	2.276	0.105			2.9	234	07
09/12/23 00:10	0.072	2.182	2.254	0.222			3.3	235	06
09/12/23 00:15	0.009	2.527	2.537	0.212			2.4	236	09
09/12/23 00:20	0.012	2.598	2.610	0.208			2.9	236	07
09/12/23 00:25	-0.019	2.664	2.645	0.166			2.7	236	06
09/12/23 00:30	0.126	2.620	2.746	0.098			2.6	233	07
09/12/23 00:35	0.142	2.670	2.812	0.163			2.6	226	11
09/12/23 00:40	0.163	2.746	2.910	0.176			2.4	220	12
09/12/23 00:45	0.092	2.529	2.621	0.162			2.5	224	08
09/12/23 00:50	-0.065	2.406	2.341	0.247			2.4	224	11
09/12/23 00:55	-0.216	2.828	2.612	0.374			2.6	227	09
09/12/23 01:00	-0.199	2.642	2.443	0.367			2.0	222	11
09/12/23 01:05							2.4	227	07
09/12/23 01:10							2.6	229	06
09/12/23 01:15							2.1	229	09
09/12/23 01:20							1.0	218	18
09/12/23 01:25							0.7	159	42
09/12/23 01:30							0.8	139	40
09/12/23 01:35							0.9	127	35
09/12/23 01:40							1.1	115	18
09/12/23 01:45							1.1	84	22
09/12/23 01:50							1.3	62	15
09/12/23 01:55							0.8	65	25
09/12/23 02:00							0.6	84	20
09/12/23 02:05	-0.099	3.325	3.226	0.316			1.1	78	15
09/12/23 02:10	-0.077	3.253	3.175	0.317			1.6	78	12
09/12/23 02:15	-0.099	3.287	3.188	0.348			1.9	77	12
09/12/23 02:20	-0.057	3.497	3.440	0.282			1.3	62	23

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/12/23 02:25	0.067	3.829	3.896	0.239			1.7	66	18
09/12/23 02:30	0.059	4.139	4.198	0.306			1.6	58	26
09/12/23 02:35	0.037	4.231	4.268	0.319			1.5	53	26
09/12/23 02:40	0.067	4.097	4.164	0.311			2.3	72	19
09/12/23 02:45	0.091	3.845	3.936	0.278			2.1	46	24
09/12/23 02:50	0.053	3.710	3.763	0.245			1.4	42	32
09/12/23 02:55	0.118	3.763	3.881	0.288			1.5	28	28
09/12/23 03:00	0.148	3.805	3.953	0.246			1.5	24	34
09/12/23 03:05	0.163	3.788	3.951	0.251			0.9	29	47
09/12/23 03:10	0.139	3.772	3.911	0.215			1.1	360	27
09/12/23 03:15	0.096	3.574	3.670	0.242			1.0	337	35
09/12/23 03:20	0.219	3.520	3.739	0.325			1.1	284	33
09/12/23 03:25	0.219	5.355	5.574	0.342			1.4	320	22
09/12/23 03:30	0.127	11.100	11.227	0.327			1.6	318	25
09/12/23 03:35	0.006	13.626	13.632	0.250			0.8	333	32
09/12/23 03:40	0.197	15.616	15.813	0.321			0.7	341	53
09/12/23 03:45	0.265	18.993	19.258	0.332			0.5	20	25
09/12/23 03:50	0.587	22.236	22.823	0.321			0.7	279	29
09/12/23 03:55	0.506	22.549	23.055	0.369			0.8	297	23
09/12/23 04:00	0.447	22.415	22.863	0.355			0.6	308	44
09/12/23 04:05	0.429	23.039	23.468	0.342			0.5	283	49
09/12/23 04:10	0.334	20.546	20.881	0.355			1.0	250	62
09/12/23 04:15	0.362	17.754	18.116	0.393			0.6	301	62
09/12/23 04:20	0.984	21.909	22.894	0.454			0.2	279	89
09/12/23 04:25	1.113	22.449	23.562	0.549			0.5	107	49
09/12/23 04:30	1.036	22.670	23.706	0.536			0.7	3	77
09/12/23 04:35	0.874	21.589	22.463	0.559			0.6	0	67
09/12/23 04:40	0.905	21.127	22.031	0.563			0.6	82	20
09/12/23 04:45	0.836	21.540	22.375	0.585			0.5	42	59
09/12/23 04:50	0.757	21.916	22.673	0.524			0.7	61	38
09/12/23 04:55	0.770	22.238	23.008	0.476			0.9	105	16
09/12/23 05:00	0.567	21.746	22.313	0.480			0.7	97	14
09/12/23 05:05	0.447	20.480	20.928	0.503			1.1	96	24
09/12/23 05:10	0.346	16.508	16.854	0.505			1.4	74	20
09/12/23 05:15	0.345	7.910	8.255	0.555			1.1	81	19
09/12/23 05:20	0.234	7.226	7.460	0.546			0.2	143	52
09/12/23 05:25	0.088	7.218	7.307	0.577			0.5	96	24
09/12/23 05:30	0.053	7.302	7.354	0.553			1.0	320	18
09/12/23 05:35	0.154	11.368	11.521	0.568			0.8	278	35
09/12/23 05:40	5.218	38.900	44.118	0.565			1.2	256	19
09/12/23 05:45	41.067	31.473	72.540	0.614			1.6	268	14
09/12/23 05:50	30.588	33.432	64.020	0.669			1.6	267	13
09/12/23 05:55	28.876	35.348	64.224	0.725			1.7	253	14
09/12/23 06:00	25.571	31.123	56.694	0.806			1.6	249	18
09/12/23 06:05	8.658	28.254	36.912	0.740			1.5	240	20
09/12/23 06:10	4.537	28.964	33.501	0.676			1.7	237	18
09/12/23 06:15	4.388	27.154	31.542	0.659			1.4	249	23
09/12/23 06:20	4.856	26.260	31.116	0.726			1.2	248	29
09/12/23 06:25	4.621	24.622	29.243	0.748			1.9	260	11
09/12/23 06:30	4.352	22.911	27.263	0.835			1.6	263	18
09/12/23 06:35	4.768	23.088	27.857	0.850			1.8	262	14
09/12/23 06:40	4.503	19.051	23.553	0.818			1.4	258	13
09/12/23 06:45	4.317	19.088	23.404	0.809			2.2	259	13
09/12/23 06:50	4.201	19.020	23.220	0.773			3.1	265	10
09/12/23 06:55	6.675	22.841	29.516	0.821			2.3	257	12
09/12/23 07:00	5.026	19.788	24.814	0.853			1.4	246	20
09/12/23 07:05	3.987	11.999	15.985	0.897			1.3	240	24
09/12/23 07:10	1.728	6.551	8.279	0.926			1.3	243	25
09/12/23 07:15	1.061	5.988	7.049	0.863			1.8	232	13
09/12/23 07:20	0.850	5.335	6.186	0.802			1.2	236	19
09/12/23 07:25	0.853	5.059	5.912	0.726			2.4	229	09
09/12/23 07:30	0.975	4.948	5.922	0.774			2.0	222	15
09/12/23 07:35	0.917	4.377	5.293	0.745			2.6	228	10
09/12/23 07:40	0.917	3.267	4.184	0.742			1.7	218	16
09/12/23 07:45	0.860	2.290	3.150	0.785			1.6	227	11
09/12/23 07:50	0.842	1.714	2.555	0.741			1.1	231	19
09/12/23 07:55	0.796	1.704	2.500	0.755			1.2	229	16
09/12/23 08:00	0.634	1.691	2.325	0.694			1.1	232	17
09/12/23 08:05	0.503	1.685	2.188	0.701			1.4	233	11
09/12/23 08:10	0.388	1.802	2.190	0.734			1.1	235	19
09/12/23 08:15	0.395	2.065	2.460	0.680			1.5	231	12
09/12/23 08:20	0.375	2.340	2.715	0.721			1.3	237	14
09/12/23 08:25	0.240	2.408	2.648	0.629			1.0	249	23
09/12/23 08:30	0.164	2.602	2.766	0.628			1.2	231	19
09/12/23 08:35	0.440	3.441	3.882	0.643			2.1	235	16
09/12/23 08:40	0.930	4.051	4.981	0.665			2.6	233	15
09/12/23 08:45	0.878	1.732	2.611	0.622			3.0	229	10
09/12/23 08:50	1.100	2.446	3.546	0.558			2.2	223	11
09/12/23 08:55	1.005	2.003	3.009	0.501			2.4	228	10
09/12/23 09:00	0.807	2.204	3.011	0.536			2.8	229	08
09/12/23 09:05	0.723	2.649	3.372	0.546			2.9	233	07
09/12/23 09:10	1.193	3.276	4.470	0.524			2.9	225	10
09/12/23 09:15	1.026	2.782	3.808	0.524			2.8	226	08
09/12/23 09:20	0.985	2.752	3.737	0.512			2.8	221	13
09/12/23 09:25	0.940	2.939	3.880	0.518			2.7	227	10
09/12/23 09:30	0.875	2.689	3.564	0.516			3.0	224	12
09/12/23 09:35	0.681	2.539	3.220	0.590			3.2	225	08
09/12/23 09:40	0.755	2.584	3.339	0.571			2.6	221	13
09/12/23 09:45	0.847	2.613	3.460	0.489			3.1	222	08
09/12/23 09:50	1.340	2.989	4.329	0.522			3.1	219	12
09/12/23 09:55	22.573	13.152	35.724	0.570			3.1	219	13
09/12/23 10:00	21.845	11.935	33.780	0.668			2.9	218	11
09/12/23 10:05	7.773	8.871	16.644	0.646			2.8	219	11
09/12/23 10:10	3.298	3.363	6.660	0.625			3.1	220	09
09/12/23 10:15	5.165	2.551	7.716	0.629			2.9	225	09
09/12/23 10:20	2.526	2.069	4.595	0.583			3.0	226	10
09/12/23 10:25	2.281	1.966	4.248	0.569			2.9	222	12
09/12/23 10:30	1.621	1.321	2.942	0.589			2.7	222	12
09/12/23 10:35	1.380	1.594	2.974	0.586			3.1	223	09
09/12/23 10:40	1.610	2.194	3.803	0.597			3.0	226	10
09/12/23 10:45	1.987	2.688	4.675	0.623			2.9	217	14
09/12/23 10:50	1.821	2.655	4.477	0.563			2.9	220	10
09/12/23 10:55	1.689	2.592	4.281	0.555			2.7	223	12
09/12/23 11:00	1.497	2.831	4.328	0.553			3.0	223	11
09/12/23 11:05	1.235	2.352	3.587	0.505			2.9	218	12
09/12/23 11:10	1.865	3.907	5.772	0.518			2.9	223	09

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/12/23 11:15	2.396	3.829	6.225	0.570			2.9	225	10
09/12/23 11:20	3.182	10.049	13.231	0.564			3.1	223	11
09/12/23 11:25	3.442	2.576	6.018	0.551			2.9	221	11
09/12/23 11:30	0.810	2.529	3.338	0.525			3.1	221	10
09/12/23 11:35	1.170	3.073	4.243	0.488			3.1	222	10
09/12/23 11:40	1.204	3.170	4.374	0.464			2.8	219	14
09/12/23 11:45	1.758	4.628	6.386	0.487			2.7	218	13
09/12/23 11:50	2.456	6.219	8.675	0.526			2.9	219	11
09/12/23 11:55	2.298	0.482	2.779	0.503			2.6	213	16
09/12/23 12:00	7.273	10.005	17.278	0.475			3.4	216	11
09/12/23 12:05	34.267	18.579	52.846	0.519			2.9	215	14
09/12/23 12:10	5.638	6.046	11.684	0.546			2.4	209	23
09/12/23 12:15	24.388	13.678	38.065	0.638			2.6	204	19
09/12/23 12:20	29.486	9.536	39.023	0.601			3.0	209	19
09/12/23 12:25	24.254	12.598	36.852	0.548			3.1	214	19
09/12/23 12:30	8.785	5.006	13.791	0.542			3.0	219	12
09/12/23 12:35	23.206	4.978	28.184	0.546			3.3	219	13
09/12/23 12:40	7.851	5.839	13.690	0.564			3.0	221	14
09/12/23 12:45	13.055	3.955	17.010	0.609			2.8	217	17
09/12/23 12:50	2.914	2.689	5.603	0.627			2.2	203	24
09/12/23 12:55	20.877	23.304	44.180	0.680			4.0	221	10
09/12/23 13:00	16.566	6.291	22.857	0.727			3.3	212	14
09/12/23 13:05	25.202	11.390	36.592	0.704			3.4	225	08
09/12/23 13:10	2.150	0.991	3.141	0.649			2.6	222	10
09/12/23 13:15	5.539	6.075	11.615	0.615			2.9	223	11
09/12/23 13:20	3.023	2.004	5.027	0.603			3.0	222	12
09/12/23 13:25	5.539	10.026	15.565	0.639			2.6	208	15
09/12/23 13:30	5.447	2.799	8.246	0.580			2.0	212	24
09/12/23 13:35	2.421	1.950	4.371	0.553			2.0	213	25
09/12/23 13:40	1.164	0.922	2.086	0.496			1.3	185	36
09/12/23 13:45	0.794	0.401	1.195	0.508			1.3	178	40
09/12/23 13:50	9.707	4.170	13.876	0.523			2.7	215	19
09/12/23 13:55	11.883	7.419	19.302	0.604			3.0	219	16
09/12/23 14:00	8.778	2.476	11.254	0.637			2.1	214	20
09/12/23 14:05	4.525	3.709	8.234	0.631			2.4	217	15
09/12/23 14:10	4.879	5.227	10.106	0.640			2.1	208	24
09/12/23 14:15	2.901	3.196	6.097	0.618			1.7	198	25
09/12/23 14:20	3.789	1.923	5.712	0.575			2.0	207	28
09/12/23 14:25	7.877	4.388	12.265	0.539			2.5	215	16
09/12/23 14:30	5.047	3.900	8.948	0.518			2.0	205	21
09/12/23 14:35	3.463	3.595	7.058	0.485			2.1	207	21
09/12/23 14:40	2.774	2.250	5.025	0.484			2.5	213	15
09/12/23 14:45	2.355	2.252	4.607	0.521			1.2	194	36
09/12/23 14:50	4.299	5.182	9.480	0.505			2.0	218	21
09/12/23 14:55	4.024	2.005	6.030	0.500			2.2	215	19
09/12/23 15:00	2.857	1.014	3.871	0.480			2.4	210	18
09/12/23 15:05	4.591	3.798	8.388	0.463			2.4	213	21
09/12/23 15:10	4.118	2.605	6.722	0.476			2.0	210	18
09/12/23 15:15	4.119	4.826	8.945	0.526			2.2	208	17
09/12/23 15:20	3.473	3.079	6.553	0.534			1.5	208	30
09/12/23 15:25	2.878	2.241	5.118	0.516			2.1	207	22
09/12/23 15:30	1.278	2.434	3.712	0.533			1.5	191	25
09/12/23 15:35	1.015	1.858	2.873	0.437			1.3	177	34
09/12/23 15:40	0.657	0.863	1.520	0.378			1.7	149	32
09/12/23 15:45	0.286	0.638	0.923	0.355			1.5	174	37
09/12/23 15:50	2.084	7.839	9.922	0.346			1.7	212	24
09/12/23 15:55	2.287	0.832	3.119	0.418			1.9	209	25
09/12/23 16:00	1.083	1.412	2.495	0.517			1.8	194	31
09/12/23 16:05	3.060	3.548	6.608	0.592			1.7	198	29
09/12/23 16:10	1.634	1.047	2.681	0.561			2.4	154	29
09/12/23 16:15	0.098	0.210	0.308	0.462			1.3	170	42
09/12/23 16:20	0.233	0.791	1.024	0.450			1.5	170	41
09/12/23 16:25	0.616	0.721	1.337	0.530			1.0	182	51
09/12/23 16:30	0.661	0.688	1.349	0.536			2.4	155	27
09/12/23 16:35	0.525	0.718	1.243	0.472			1.8	149	30
09/12/23 16:40	0.341	0.872	1.213	0.425			1.7	151	26
09/12/23 16:45	0.347	1.010	1.357	0.456			1.5	156	33
09/12/23 16:50	0.546	1.324	1.870	0.447			1.1	189	41
09/12/23 16:55	1.526	2.139	3.665	0.450			1.0	193	39
09/12/23 17:00	1.281	1.748	3.029	0.392			1.6	152	27
09/12/23 17:05	0.436	1.338	1.774	0.376			2.3	148	22
09/12/23 17:10	0.122	1.437	1.559	0.447			2.0	160	24
09/12/23 17:15	0.147	1.379	1.525	0.466			0.8	144	42
09/12/23 17:20	0.252	1.379	1.631	0.400			1.4	138	25
09/12/23 17:25	0.283	1.383	1.667	0.363			0.7	147	53
09/12/23 17:30	0.246	1.519	1.765	0.349			1.3	158	23
09/12/23 17:35	0.221	1.685	1.906	0.339			1.1	175	39
09/12/23 17:40	1.501	2.318	3.819	0.352			1.6	211	27
09/12/23 17:45	8.809	9.894	18.704	0.349			2.9	213	16
09/12/23 17:50	4.553	4.226	8.779	0.457			2.3	205	29
09/12/23 17:55	13.699	7.431	21.129	0.553			2.1	203	28
09/12/23 18:00	4.366	2.231	6.597	0.568			1.2	193	44
09/12/23 18:05	0.568	0.584	1.152	0.551			1.6	162	41
09/12/23 18:10	0.171	0.818	0.989	0.566			1.6	171	36
09/12/23 18:15	0.117	0.924	1.041	0.522			2.0	162	37
09/12/23 18:20	0.125	1.066	1.191	0.464			2.1	173	35
09/12/23 18:25	0.182	1.051	1.233	0.419			1.6	159	38
09/12/23 18:30	0.301	1.017	1.318	0.391			1.8	170	40
09/12/23 18:35	0.378	1.070	1.447	0.462			1.3	171	45
09/12/23 18:40	0.770	1.267	2.037	0.462			1.5	169	40
09/12/23 18:45	0.860	1.446	2.306	0.444			3.1	150	24
09/12/23 18:50	0.515	1.378	1.893	0.496			3.4	158	18
09/12/23 18:55	0.441	1.323	1.764	0.494			4.2	151	13
09/12/23 19:00	0.296	1.157	1.453	0.478			4.0	156	18
09/12/23 19:05	0.337	1.153	1.490	0.427			3.6	154	19
09/12/23 19:10	0.252	1.223	1.475	0.402			3.3	150	18
09/12/23 19:15	0.137	1.165	1.303	0.409			3.6	150	19
09/12/23 19:20	0.154	1.176	1.331	0.430			3.3	155	23
09/12/23 19:25	0.139	1.221	1.360	0.372			3.2	155	16
09/12/23 19:30	0.170	1.246	1.416	0.353			3.2	151	21
09/12/23 19:35	0.212	1.193	1.404	0.313			3.9	146	20
09/12/23 19:40	0.198	1.137	1.335	0.285			3.1	148	20
09/12/23 19:45	0.223	1.147	1.370	0.233			2.9	144	22
09/12/23 19:50	0.200	1.142	1.342	0.259			3.0	154	20
09/12/23 19:55	0.176	1.094	1.270	0.265			3.2	150	18
09/12/23 20:00	0.136	1.075	1.211	0.264			2.4	151	29

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
09/12/23 20:05	0.155	1.093	1.248	0.294			3.3	153	18
09/12/23 20:10	0.082	1.221	1.304	0.370			3.0	147	25
09/12/23 20:15	-0.048	1.249	1.201	0.400			2.6	146	26
09/12/23 20:20	-0.045	1.214	1.170	0.409			1.7	156	40
09/12/23 20:25	0.149	1.273	1.422	0.381			1.5	175	37
09/12/23 20:30	0.376	1.379	1.755	0.416			1.8	184	37
09/12/23 20:35	1.040	1.444	2.484	0.316			2.2	182	29
09/12/23 20:40	2.151	1.991	4.143	0.299			1.8	186	36
09/12/23 20:45	7.594	4.482	12.077	0.318			2.8	209	22
09/12/23 20:50	5.234	4.051	9.285	0.337			2.1	195	30
09/12/23 20:55	1.504	1.331	2.835	0.335			1.9	184	38
09/12/23 21:00	2.794	2.306	5.100	0.301			1.9	196	36
09/12/23 21:05	3.849	1.899	5.748	0.294			1.6	185	34
09/12/23 21:10	3.111	0.976	4.087	0.280			1.8	177	34
09/12/23 21:15	2.146	0.102	2.248	0.319			1.8	185	33
09/12/23 21:20	1.760	0.939	2.699	0.257			1.9	166	36
09/12/23 21:25	0.462	0.427	0.889	0.370			2.1	165	37
09/12/23 21:30	0.275	0.538	0.814	0.400			3.1	151	24
09/12/23 21:35	0.036	0.609	0.644	0.401			4.3	154	16
09/12/23 21:40	0.016	0.540	0.556	0.388			4.6	151	13
09/12/23 21:45	-0.072	0.591	0.519	0.463			4.1	150	18
09/12/23 21:50	-0.166	0.599	0.433	0.424			3.2	148	20
09/12/23 21:55	-0.199	0.669	0.471	0.388			3.3	145	21
09/12/23 22:00	-0.164	0.659	0.494	0.390			3.1	152	26
09/12/23 22:05	-0.120	0.649	0.529	0.343			3.1	146	26
09/12/23 22:10	0.004	0.618	0.622	0.325			2.7	151	23
09/12/23 22:15	0.105	0.661	0.765	0.347			1.3	171	37
09/12/23 22:20	0.208	0.649	0.858	0.342			1.9	149	35
09/12/23 22:25	0.162	0.642	0.804	0.311			1.3	158	38
09/12/23 22:30	0.509	0.914	1.423	0.325			1.4	184	39
09/12/23 22:35	0.624	0.705	1.329	0.342			1.6	156	36
09/12/23 22:40	11.321	3.765	15.086	0.392			1.7	196	36
09/12/23 22:45	3.630	2.711	6.341	0.351			1.7	187	25
09/12/23 22:50	6.709	2.590	9.299	0.319			2.1	204	29
09/12/23 22:55	1.018	1.120	2.137	0.402			1.5	172	43
09/12/23 23:00	7.151	5.792	12.943	0.441			1.7	194	30
09/12/23 23:05	2.623	1.039	3.662	0.462			1.3	182	39
09/12/23 23:10	2.329	0.788	3.117	0.467			2.0	165	34
09/12/23 23:15	0.843	2.518	3.362	0.430			1.6	183	30
09/12/23 23:20	4.317	3.336	7.653	0.425			2.0	200	27
09/12/23 23:25	2.460	1.114	3.574	0.428			1.4	181	42
09/12/23 23:30	1.906	0.943	2.849	0.426			1.3	184	38
09/12/23 23:35	1.954	3.160	5.114	0.415			1.1	165	47
09/12/23 23:40	9.504	7.942	17.446	0.386			1.8	198	29
09/12/23 23:45	6.813	2.422	9.236	0.404			1.4	195	34
09/12/23 23:50	6.879	0.563	7.442				1.9	208	26
09/12/23 23:55	3.029	3.671	6.700				1.5	179	39
10/12/23 00:00	0.947	1.150	2.097				1.7	205	24
10/12/23 00:05	2.944	2.601	5.545	0.413			2.5	204	18
10/12/23 00:10	6.218	5.267	11.484	0.380			2.2	204	21
10/12/23 00:15	5.514	2.420	7.934	0.358			2.0	206	22
10/12/23 00:20	6.906	3.514	10.420	0.389			2.1	200	26
10/12/23 00:25	12.144	3.460	15.604	0.368			1.8	189	33
10/12/23 00:30	12.197	6.866	19.064	0.321			2.9	209	22
10/12/23 00:35	8.199	1.154	9.353	0.310			2.3	207	22
10/12/23 00:40	25.904		23.593	0.394			2.5	208	23
10/12/23 00:45	3.524	2.419	5.942	0.433			1.7	199	26
10/12/23 00:50	2.034	1.235	3.269	0.373			1.3	174	39
10/12/23 00:55	1.094	1.104	2.198	0.311			1.3	189	36
10/12/23 01:00	2.121	2.135	4.255	0.323			1.1	191	38
10/12/23 01:05							1.0	183	45
10/12/23 01:10							2.3	215	20
10/12/23 01:15							1.4	214	28
10/12/23 01:20							1.3	153	33
10/12/23 01:25							2.0	150	23
10/12/23 01:30							1.0	160	45
10/12/23 01:35							1.3	154	27
10/12/23 01:40							3.9	145	19
10/12/23 01:45							2.2	173	36
10/12/23 01:50							1.7	172	42
10/12/23 01:55							2.4	210	19
10/12/23 02:00							1.6	189	27
10/12/23 02:05	4.644	0.775	5.419	0.411			1.5	203	25
10/12/23 02:10	3.153	3.089	6.242	0.403			1.9	201	28
10/12/23 02:15	18.329	6.179	24.508	0.463			2.6	190	38
10/12/23 02:20	0.915	0.542	1.457	0.419			2.7	176	29
10/12/23 02:25	8.408	5.241	13.648	0.428			1.8	197	33
10/12/23 02:30	5.879	3.396	9.275	0.421			1.5	202	30
10/12/23 02:35	5.507	5.269	10.776	0.408			2.3	208	23
10/12/23 02:40	37.329	5.857	43.186	0.398			3.2	211	15
10/12/23 02:45	5.181	2.753	7.934	0.429			2.6	205	15
10/12/23 02:50	2.811	0.412	3.222	0.444			2.8	155	30
10/12/23 02:55	0.492	0.854	1.346	0.441			3.0	157	27
10/12/23 03:00	5.248	10.088	15.336	0.353			1.6	188	33
10/12/23 03:05	1.386	0.477	1.863	0.274			2.0	153	29
10/12/23 03:10	0.612	0.783	1.395	0.265			2.2	150	34
10/12/23 03:15	3.657		2.575	0.274			1.5	164	41
10/12/23 03:20	4.723	3.113	7.837	0.277			2.1	208	19
10/12/23 03:25	2.016	1.899	3.915	0.295			1.5	181	42
10/12/23 03:30	28.260	8.026	36.286	0.328			2.7	208	15
10/12/23 03:35	13.353	10.536	23.890	0.287			2.8	210	22
10/12/23 03:40	11.496	4.823	16.319	0.242			2.5	214	22
10/12/23 03:45	11.729	2.749	14.477	0.274			2.7	213	18
10/12/23 03:50	13.249	6.580	19.829	0.350			2.9	213	17
10/12/23 03:55	35.078		30.179	0.422			3.5	212	13
10/12/23 04:00	4.455	2.543	6.998	0.429			1.8	193	29
10/12/23 04:05	13.365	9.228	22.593	0.393			3.1	215	18
10/12/23 04:10	3.828	2.664	6.492	0.392			2.2	185	36
10/12/23 04:15	1.210	0.301	1.511	0.363			2.0	171	35
10/12/23 04:20	0.860	0.696	1.556	0.433			2.2	154	32
10/12/23 04:25	1.151	3.237	4.387	0.379			1.6	174	38
10/12/23 04:30	1.192	0.351	1.543	0.354			2.0	153	28
10/12/23 04:35	0.533	0.582	1.115	0.338			4.6	149	15
10/12/23 04:40	1.763	5.112	6.875	0.310			1.5	191	44
10/12/23 04:45	2.432	0.458	2.891	0.316			3.1	150	23
10/12/23 04:50	2.066	0.618	2.684	0.261			1.4	182	34

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/12/23 04:55	1.152	1.173	2.324	0.298			1.5	167	35
10/12/23 05:00	1.000	1.127	2.127	0.287			1.6	173	32
10/12/23 05:05	0.657	0.887	1.544	0.237			1.9	158	35
10/12/23 05:10	0.520	0.931	1.451	0.177			1.6	172	35
10/12/23 05:15	0.511	1.012	1.523	0.257			1.3	176	42
10/12/23 05:20	0.534	1.008	1.543	0.222			1.8	166	36
10/12/23 05:25	0.400	0.957	1.357	0.201			1.7	161	33
10/12/23 05:30	0.330	0.853	1.182	0.256			2.1	150	29
10/12/23 05:35	8.709	19.715	28.424	0.295			2.0	170	30
10/12/23 05:40	18.788	13.950	32.738	0.305			1.6	163	35
10/12/23 05:45	0.522	0.817	1.339	0.331			2.3	154	23
10/12/23 05:50	-0.026	1.418	1.392	0.296			2.7	147	22
10/12/23 05:55	0.040	1.506	1.546	0.281			2.5	149	20
10/12/23 06:00	0.149	1.461	1.610	0.234			2.2	153	26
10/12/23 06:05	0.247	1.470	1.717	0.173			2.4	150	23
10/12/23 06:10	0.303	1.478	1.781	0.215			2.1	151	29
10/12/23 06:15	0.305	1.537	1.842	0.281			1.9	150	30
10/12/23 06:20	0.280	1.503	1.783	0.288			1.7	168	34
10/12/23 06:25	0.411	1.481	1.892	0.289			1.9	151	27
10/12/23 06:30	0.491	1.393	1.884	0.310			3.1	148	21
10/12/23 06:35	0.484	1.400	1.884	0.333			2.6	149	20
10/12/23 06:40	0.647	1.571	2.218	0.289			1.8	163	33
10/12/23 06:45	0.970	1.820	2.790	0.255			2.1	154	24
10/12/23 06:50	1.002	1.648	2.650	0.288			1.9	152	25
10/12/23 06:55	1.021	0.952	1.973	0.277			2.1	151	26
10/12/23 07:00	0.943	1.397	2.340	0.286			1.3	158	31
10/12/23 07:05	0.781	1.090	1.871	0.255			1.5	159	31
10/12/23 07:10	0.693	1.435	2.127	0.187			1.5	158	33
10/12/23 07:15	0.765	1.722	2.487	0.240			1.1	164	33
10/12/23 07:20	0.835	1.839	2.674	0.254			1.5	186	25
10/12/23 07:25	1.374	3.345	4.719	0.274			1.0	189	32
10/12/23 07:30	4.245	4.945	9.190	0.341			1.5	181	36
10/12/23 07:35	8.654	3.141	11.795	0.375			1.5	185	32
10/12/23 07:40	17.072	8.530	25.602	0.361			1.5	196	27
10/12/23 07:45	17.004	8.352	25.356	0.372			1.4	209	25
10/12/23 07:50	12.261	7.963	20.224	0.368			2.0	197	24
10/12/23 07:55	8.961	6.545	15.505	0.388			1.8	206	21
10/12/23 08:00	5.468	4.594	10.061	0.413			1.1	184	33
10/12/23 08:05	25.748	11.043	36.791	0.339			1.3	190	37
10/12/23 08:10	5.167	4.197	9.363	0.331			1.8	202	22
10/12/23 08:15	14.315	8.821	23.136	0.342			1.7	201	22
10/12/23 08:20	8.019	6.105	14.124	0.413			1.6	204	21
10/12/23 08:25	7.718	8.274	15.992	0.471			1.5	192	21
10/12/23 08:30	4.531	5.651	10.182	0.433			1.6	199	22
10/12/23 08:35	5.963	8.613	14.576	0.367			1.5	205	25
10/12/23 08:40	8.746	8.736	17.482	0.307			1.6	204	22
10/12/23 08:45	5.188	7.070	12.258	0.293			1.3	202	22
10/12/23 08:50	4.667	4.901	9.567	0.326			1.4	207	22
10/12/23 08:55	5.688	5.465	11.152	0.330			1.5	201	22
10/12/23 09:00	3.764	2.967	6.732	0.317			1.4	194	24
10/12/23 09:05	4.471	5.240	9.711	0.361			1.8	200	17
10/12/23 09:10	4.241	5.055	9.296	0.320			1.7	213	17
10/12/23 09:15	3.894	4.083	7.977	0.315			1.6	213	15
10/12/23 09:20	4.686	3.950	8.636	0.371			1.6	221	15
10/12/23 09:25	4.103	4.886	8.988	0.395			1.5	211	20
10/12/23 09:30	2.842	3.689	6.532	0.368			1.5	206	20
10/12/23 09:35	2.114	3.062	5.176	0.323			1.3	193	19
10/12/23 09:40	1.434	2.394	3.828	0.329			1.3	202	22
10/12/23 09:45	1.332	2.358	3.690	0.295			1.2	199	21
10/12/23 09:50	1.312	2.385	3.697	0.305			1.2	164	37
10/12/23 09:55	1.005	1.825	2.831	0.362			1.4	195	27
10/12/23 10:00	1.228	2.202	3.430	0.373			1.2	206	26
10/12/23 10:05	1.251	2.359	3.610	0.419			1.0	194	33
10/12/23 10:10	1.329	2.387	3.717	0.438			0.9	210	28
10/12/23 10:15	1.295	2.180	3.475	0.445			0.9	201	30
10/12/23 10:20	1.546	2.487	4.033	0.444			1.2	209	21
10/12/23 10:25	1.342	2.524	3.866	0.404			1.1	203	25
10/12/23 10:30	1.416	2.700	4.117	0.383			1.4	216	23
10/12/23 10:35	1.598	2.799	4.397	0.477			1.0	211	25
10/12/23 10:40	1.356	2.524	3.880	0.553			1.9	228	14
10/12/23 10:45	1.245	2.406	3.651	0.529			1.3	205	18
10/12/23 10:50	1.263	2.373	3.637	0.535			1.2	206	22
10/12/23 10:55	1.212	2.277	3.488	0.504			1.1	211	19
10/12/23 11:00	1.008	2.110	3.118	0.459			1.0	218	26
10/12/23 11:05	0.848	1.993	2.841	0.467			1.6	223	14
10/12/23 11:10	0.638	1.776	2.414	0.475			1.9	222	12
10/12/23 11:15	0.529	1.600	2.129	0.379			1.8	227	11
10/12/23 11:20	0.506	1.528	2.034	0.300			1.9	223	11
10/12/23 11:25	0.491	1.435	1.926	0.336			1.8	222	14
10/12/23 11:30	0.628	1.367	1.995	0.401			2.1	224	12
10/12/23 11:35	0.682	1.320	2.002	0.425			1.7	220	15
10/12/23 11:40	0.590	1.432	2.023	0.425			2.1	225	09
10/12/23 11:45	0.770	1.523	2.293	0.452			1.4	214	19
10/12/23 11:50	0.793	1.533	2.326	0.489			1.7	217	17
10/12/23 11:55	0.634	1.665	2.299	0.526			2.3	225	08
10/12/23 12:00	0.635	1.750	2.386	0.528			1.9	228	12
10/12/23 12:05	0.559	1.607	2.166	0.492			2.1	226	18
10/12/23 12:10	0.496	1.461	1.957	0.440			1.8	233	08
10/12/23 12:15	0.569	1.361	1.930	0.390			2.0	230	09
10/12/23 12:20	0.591	1.410	2.002	0.414			1.7	234	11
10/12/23 12:25	0.566	1.538	2.105	0.486			2.0	234	09
10/12/23 12:30	0.643	1.781	2.424	0.570			2.3	230	09
10/12/23 12:35	0.538	1.867	2.405	0.522			2.0	235	10
10/12/23 12:40	0.488	1.868	2.356	0.509			2.7	231	07
10/12/23 12:45	0.484	1.806	2.289	0.523			2.3	229	13
10/12/23 12:50	0.481	1.696	2.177	0.499			2.6	229	08
10/12/23 12:55	0.618	1.775	2.393	0.541			2.5	230	09
10/12/23 13:00	0.605	1.716	2.321	0.547			2.5	230	09
10/12/23 13:05	0.690	1.881	2.572	0.520			2.3	226	10
10/12/23 13:10	0.695	1.749	2.443	0.487			2.3	227	10
10/12/23 13:15	0.471	1.744	2.215	0.461			1.8	221	14
10/12/23 13:20	0.464	1.820	2.285	0.528			2.1	228	11
10/12/23 13:25	0.426	1.902	2.328	0.737			2.3	228	10
10/12/23 13:30	0.368	1.773	2.141	0.899			2.0	226	15
10/12/23 13:35	0.383	1.658	2.041	0.953			1.8	225	13
10/12/23 13:40	0.389	1.504	1.893	0.890			2.0	228	09

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/12/23 13:45	0.325	1.418	1.743	0.812			2.1	228	09
10/12/23 13:50	0.267	1.466	1.733	0.828			1.8	227	12
10/12/23 13:55	0.316	1.449	1.765	0.795			2.0	227	12
10/12/23 14:00	0.238	1.459	1.697	0.725			2.1	228	10
10/12/23 14:05	0.250	1.568	1.817	0.685			2.3	226	12
10/12/23 14:10	0.398	1.714	2.113	0.645			1.6	222	17
10/12/23 14:15	0.533	1.842	2.375	0.634			1.8	228	11
10/12/23 14:20	0.511	1.726	2.237	0.660			1.7	232	09
10/12/23 14:25	0.502	1.653	2.155	0.681			1.7	233	11
10/12/23 14:30	0.470	1.628	2.098	0.642			1.7	234	15
10/12/23 14:35	0.500	1.906	2.406	0.609			1.7	233	12
10/12/23 14:40	0.937	1.817	2.754	0.496			2.3	231	11
10/12/23 14:45	1.013	2.499	3.511	0.540			2.5	230	13
10/12/23 14:50	0.416	1.258	1.674	0.590			2.9	231	08
10/12/23 14:55	0.612	2.863	3.474	0.612			3.1	229	07
10/12/23 15:00	1.037	3.548	4.584	0.593			3.7	230	07
10/12/23 15:05	1.543	7.032	8.575	0.559			3.6	228	08
10/12/23 15:10	3.791	4.719	8.510	0.496			3.8	226	07
10/12/23 15:15	5.723	2.934	8.656	0.443			3.3	223	11
10/12/23 15:20	4.433	6.514	10.947	0.382			3.2	226	09
10/12/23 15:25	2.774	2.664	5.438	0.366			2.8	223	13
10/12/23 15:30	2.803	3.817	6.620	0.370			3.3	225	10
10/12/23 15:35	4.876	3.498	8.374	0.338			3.2	222	10
10/12/23 15:40	3.845	6.006	9.851	0.331			3.3	220	11
10/12/23 15:45	4.200	3.193	7.394	0.365			2.7	220	14
10/12/23 15:50	5.096	5.708	10.804	0.407			2.4	225	11
10/12/23 15:55	1.579	0.219	1.798	0.443			2.5	225	14
10/12/23 16:00	0.475	0.557	1.032	0.438			2.5	220	16
10/12/23 16:05	0.401	1.017	1.417	0.414			2.7	226	11
10/12/23 16:10	5.558	13.752	19.310	0.435			2.3	220	15
10/12/23 16:15	1.897	5.288	7.185	0.464			2.2	221	13
10/12/23 16:20	0.484	2.075	2.559	0.426			2.5	224	11
10/12/23 16:25	0.203	1.459	1.662	0.443			2.7	227	09
10/12/23 16:30	0.214	1.265	1.479	0.514			2.8	229	09
10/12/23 16:35	0.544	1.715	2.259	0.477			2.8	220	14
10/12/23 16:40	1.081	1.961	3.042	0.455			2.5	224	11
10/12/23 16:45	0.847	1.042	1.889	0.458			2.5	224	12
10/12/23 16:50	0.691	1.246	1.937	0.433			2.2	222	13
10/12/23 16:55	0.543	1.465	2.008	0.436			2.3	220	13
10/12/23 17:00	0.839	2.375	3.214	0.413			2.2	223	11
10/12/23 17:05	0.918	3.467	4.386	0.366			1.9	225	14
10/12/23 17:10	0.959	4.315	5.274	0.312			1.9	225	12
10/12/23 17:15	1.059	5.211	6.270	0.262			1.9	224	14
10/12/23 17:20	1.014	5.332	6.346	0.208			1.6	223	17
10/12/23 17:25	1.998	19.492	21.490	0.251			2.0	223	12
10/12/23 17:30	2.623	5.778	8.400	0.265			1.7	225	11
10/12/23 17:35	1.033	0.843	1.876	0.344			1.4	221	18
10/12/23 17:40	0.753	1.075	1.829	0.357			2.0	229	09
10/12/23 17:45	0.581	0.982	1.563	0.336			2.1	220	12
10/12/23 17:50	0.552	1.123	1.675	0.356			1.7	223	13
10/12/23 17:55	0.550	1.202	1.752	0.355			2.0	213	16
10/12/23 18:00	0.539	1.258	1.797	0.344			2.2	217	17
10/12/23 18:05	0.689	1.372	2.062	0.377			1.5	215	26
10/12/23 18:10	0.850	1.547	2.397	0.399			1.9	218	15
10/12/23 18:15	0.950	1.655	2.605	0.429			2.0	219	12
10/12/23 18:20	1.223	1.648	2.871	0.448			2.6	211	15
10/12/23 18:25	1.823	1.798	3.621	0.495			2.6	219	14
10/12/23 18:30	3.659	1.514	5.173	0.445			1.9	227	14
10/12/23 18:35	0.792	1.202	1.993	0.451			1.9	215	13
10/12/23 18:40	0.939	0.726	1.665	0.472			2.2	217	19
10/12/23 18:45	1.574	0.767	2.341	0.435			2.6	216	13
10/12/23 18:50	1.476	1.298	2.774	0.442			1.8	209	23
10/12/23 18:55	1.721	3.539	5.260	0.350			2.9	215	15
10/12/23 19:00	5.314	7.354	12.668	0.288			1.7	207	24
10/12/23 19:05	4.171	2.540	6.711	0.263			1.5	201	31
10/12/23 19:10	5.050	3.200	8.250	0.256			1.3	200	28
10/12/23 19:15	4.233	2.232	6.465	0.250			1.7	209	28
10/12/23 19:20	7.370	1.615	8.984	0.269			2.4	219	16
10/12/23 19:25	4.482	2.311	6.793	0.316			2.6	214	16
10/12/23 19:30	3.006	1.727	4.733	0.297			2.5	216	18
10/12/23 19:35	3.106	1.786	4.892	0.209			2.1	215	19
10/12/23 19:40	3.864	2.565	6.429	0.228			2.1	216	21
10/12/23 19:45	8.074	2.503	10.577	0.263			2.0	212	24
10/12/23 19:50	4.047	3.957	8.003	0.261			1.8	210	26
10/12/23 19:55	6.586	4.929	11.516	0.226			2.8	216	16
10/12/23 20:00	4.708	3.431	8.139	0.256			3.3	216	13
10/12/23 20:05	7.219	7.812	15.030	0.247			3.0	214	17
10/12/23 20:10	13.079	6.443	19.522	0.264			3.1	214	14
10/12/23 20:15	9.735	4.586	14.321	0.279			2.5	213	14
10/12/23 20:20	6.539	8.628	15.167	0.287			2.7	220	12
10/12/23 20:25	8.645	5.265	13.911	0.208			2.6	215	13
10/12/23 20:30	3.514	4.915	8.429	0.165			2.4	215	16
10/12/23 20:35	35.208	11.890	47.098	0.209			3.5	218	15
10/12/23 20:40	12.311	5.224	17.535	0.299			2.9	216	14
10/12/23 20:45	6.119	1.645	7.764	0.361			2.3	218	22
10/12/23 20:50	1.798	2.028	3.826	0.359			1.5	194	30
10/12/23 20:55	1.340	1.297	2.637	0.336			1.5	196	33
10/12/23 21:00	13.278		8.359	0.331			2.3	212	22
10/12/23 21:05	5.014	2.261	7.275	0.332			1.6	191	30
10/12/23 21:10	2.178	1.463	3.641	0.295			1.7	184	36
10/12/23 21:15	0.985	1.115	2.101	0.350			1.6	175	38
10/12/23 21:20	0.377	1.001	1.378	0.363			1.5	171	41
10/12/23 21:25	0.573	6.212	6.786	0.305			2.2	214	26
10/12/23 21:30	2.644	5.690	8.334	0.336			2.0	205	26
10/12/23 21:35	0.586	2.044	2.630	0.388			1.5	190	34
10/12/23 21:40	0.967	1.723	2.690	0.390			1.5	193	29
10/12/23 21:45	1.387	1.813	3.199	0.376			1.2	178	45
10/12/23 21:50	0.895	0.662	1.557	0.297			1.4	186	38
10/12/23 21:55	2.035	5.348	7.383	0.258			1.7	198	29
10/12/23 22:00	2.926	4.358	7.283	0.260			1.6	202	29
10/12/23 22:05	2.321	0.870	3.191	0.271			1.4	186	32
10/12/23 22:10	0.687	1.027	1.713	0.275			1.4	183	35
10/12/23 22:15	6.280	3.577	9.857	0.320			1.8	199	28
10/12/23 22:20	1.066	1.901	2.967	0.297			1.6	153	34
10/12/23 22:25	0.949	1.142	2.091	0.249			2.2	146	35
10/12/23 22:30	0.672	1.030	1.702	0.227			2.2	147	29

Station Pier Ambient Air Quality Monitoring
December 2023
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/12/23 22:35	0.486	1.054	1.539	0.228			1.3	167	49
10/12/23 22:40	0.483	1.152	1.635	0.195			1.3	183	41
10/12/23 22:45	0.814	1.255	2.069	0.179			2.1	199	25
10/12/23 22:50	2.170	2.136	4.306	0.146			1.4	165	43
10/12/23 22:55	0.727	1.087	1.814	0.250			1.2	160	44
10/12/23 23:00	0.496	1.188	1.683	0.298			1.1	182	45
10/12/23 23:05	0.331	1.371	1.702	0.255			1.7	189	31
10/12/23 23:10	1.831	0.725	2.556	0.307			1.9	199	26
10/12/23 23:15	5.471	0.775	6.245	0.341			1.7	194	32
10/12/23 23:20	0.850	1.309	2.160	0.328			1.8	176	37
10/12/23 23:25	0.194	1.063	1.257	0.347			1.4	169	44
10/12/23 23:30	0.247	1.010	1.257	0.376			1.3	175	41
10/12/23 23:35	0.173	1.176	1.349	0.332			1.5	152	41
10/12/23 23:40	0.324	1.133	1.456	0.300			2.0	153	39
10/12/23 23:45	0.414	1.090	1.504	0.285			2.8	148	26
10/12/23 23:50	0.544	0.990	1.533				2.9	150	30
10/12/23 23:55	0.440	0.951	1.391				2.6	144	26
11/12/23 00:00	0.325	1.010	1.334				3.0	145	19
11/12/23 00:05	0.161	1.018	1.179	0.275			1.8	147	30
11/12/23 00:10	0.167	1.001	1.169	0.242			2.1	147	25
11/12/23 00:15	0.045	1.090	1.135	0.159			2.4	147	20
11/12/23 00:20	0.038	1.163	1.202	0.148			1.3	153	42
11/12/23 00:25	0.081	1.224	1.305	0.109			1.0	176	47
11/12/23 00:30	0.105	1.313	1.418	0.064			1.1	151	37
11/12/23 00:35	0.045	1.279	1.323	0.084			1.0	161	43
11/12/23 00:40	0.130	1.321	1.451	0.033			0.9	184	32
11/12/23 00:45	0.242	1.517	1.759	-0.011			1.0	213	31
11/12/23 00:50	0.228	1.682	1.910	0.058			1.4	212	20
11/12/23 00:55	0.258	1.726	1.984	-0.006			0.8	204	27
11/12/23 01:00	0.336	1.749	2.085	-0.056			0.8	214	24
11/12/23 01:05							0.7	192	28
11/12/23 01:10							0.8	162	38
11/12/23 01:15							1.1	181	33
11/12/23 01:20							1.6	210	22
11/12/23 01:25							2.5	213	15
11/12/23 01:30							3.0	217	14
11/12/23 01:35							2.9	214	15
11/12/23 01:40							2.2	210	21
11/12/23 01:45							2.3	208	19
11/12/23 01:50							1.8	204	21
11/12/23 01:55							1.4	192	24
11/12/23 02:00							1.5	164	39
11/12/23 02:05	0.584	1.599	2.183	-0.036			1.9	147	32
11/12/23 02:10	0.455	1.439	1.894	-0.010			2.8	143	18
11/12/23 02:15	0.281	1.332	1.613	0.019			3.5	150	15
11/12/23 02:20	0.100	1.189	1.289	-0.015			2.0	152	28
11/12/23 02:25	0.129	1.016	1.145	-0.046			0.7	130	59
11/12/23 02:30	0.128	1.055	1.183	-0.019			0.7	154	46
11/12/23 02:35	0.107	1.097	1.204	0.024			0.2	147	73
11/12/23 02:40	0.081	1.187	1.269	0.061			0.7	208	46
11/12/23 02:45	0.117	1.336	1.453	0.070			1.6	226	09
11/12/23 02:50	0.130	1.267	1.397	0.072			1.7	221	12
11/12/23 02:55	0.146	1.232	1.379	0.075			1.8	223	09
11/12/23 03:00	0.132	1.196	1.328	0.114			1.8	226	11
11/12/23 03:05	0.094	1.179	1.273	0.171			2.2	232	09
11/12/23 03:10	0.040	1.170	1.210	0.113			3.1	229	09
11/12/23 03:15	0.502	1.649	2.151	0.025			3.7	229	09
11/12/23 03:20	3.430	8.694	12.124	-0.008			3.7	222	11
11/12/23 03:25	12.348	6.450	18.797	-0.051			3.9	225	09
11/12/23 03:30	20.532	5.172	25.704	-0.028			3.8	224	08
11/12/23 03:35	9.437	4.002	13.438	0.004			3.2	216	14
11/12/23 03:40	2.632	3.739	6.371	0.070			3.9	227	09
11/12/23 03:45	4.300	9.503	13.803	0.066			3.4	225	09
11/12/23 03:50	4.000	6.200	10.200	0.144			3.4	222	14
11/12/23 03:55	7.371	7.346	14.717	0.166			3.3	221	11
11/12/23 04:00	6.187	4.413	10.599	0.098			2.9	224	11
11/12/23 04:05	2.113	2.442	4.554	0.014			3.5	226	09
11/12/23 04:10	6.483	2.520	9.003	-0.044			4.2	222	07
11/12/23 04:15	9.880	0.497	10.378	-0.042			3.2	224	11
11/12/23 04:20	12.834	4.731	17.565	-0.058			3.0	224	09
11/12/23 04:25	9.291	2.659	11.949	-0.022			3.5	224	09
11/12/23 04:30	11.181	5.284	16.465	-0.012			3.8	218	12
11/12/23 04:35	80.410	13.323	93.733	0.085			4.3	214	09
11/12/23 04:40	40.881	9.148	50.029	0.183			4.7	211	14
11/12/23 04:45	34.032	3.983	38.015	0.233			3.1	213	18
11/12/23 04:50	3.216	3.289	6.505	0.171			2.8	211	17
11/12/23 04:55	19.349	9.262	28.612	0.120			3.1	210	15
11/12/23 05:00	12.236	3.201	15.437	0.106			3.1	213	16
11/12/23 05:05	5.556	3.144	8.700	0.095			2.5	215	19
11/12/23 05:10	7.714	6.441	14.155	0.056			2.5	214	19
11/12/23 05:15	4.208	2.816	7.024	0.067			1.9	201	28
11/12/23 05:20	0.904	1.577	2.481	0.099			1.1	172	45
11/12/23 05:25	1.778	1.519	3.297	0.127			1.4	143	38
11/12/23 05:30	2.706	3.114	5.819	0.141			1.4	175	38
11/12/23 05:35	3.495	1.878	5.373	0.107			1.4	156	36
11/12/23 05:40	3.121	2.674	5.795	0.133			1.3	157	33
11/12/23 05:45	0.114	1.129	1.243	0.131			2.4	152	21
11/12/23 05:50	0.061	0.906	0.967	0.098			2.2	143	26
11/12/23 05:55	0.006	1.020	1.026	0.072			2.2	147	23
11/12/23 06:00	-0.009	1.300	1.290	0.050			1.9	146	31
11/12/23 06:05	0.045	1.683	1.728	0.009			1.4	169	37
11/12/23 06:10	0.295	2.119	2.414	0.025			1.3	161	35
11/12/23 06:15	2.359	1.060	3.418	0.023			1.4	144	27
11/12/23 06:20	9.374	1.842	11.216	0.082			1.3	153	25
11/12/23 06:25	-0.128	2.779	2.651	0.112			1.9	153	23
11/12/23 06:30	-0.226	3.295	3.069	0.095			1.3	154	22
11/12/23 06:35	0.181	3.282	3.463	0.101			0.8	184	34
11/12/23 06:40	1.530	4.064	5.594	0.110			1.1	191	25
11/12/23 06:45	3.512	6.012	9.523	0.123			1.7	201	19
11/12/23 06:50	8.857	10.448	19.305	0.148			1.5	196	21
11/12/23 06:55	7.665	8.617	16.282	0.156			1.1	202	26
11/12/23 07:00	7.539	9.799	17.338	0.157			1.3	199	22
11/12/23 07:05	14.745	10.753	25.499	0.116			1.1	186	30
11/12/23 07:10	5.755	8.231	13.986	0.170			1.1	213	24
11/12/23 07:15	10.670	11.856	22.526	0.226			0.7	214	28
11/12/23 07:20	2.969	6.826	9.795	0.162			0.6	144	35

Station Pier Ambient Air Quality Monitoring
December 2023
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
11/12/23 07:25	1.343	4.227	5.570	0.077			1.1	151	28
11/12/23 07:30	1.213	4.014	5.227	0.013			1.9	149	12
11/12/23 07:35	1.516	4.155	5.671	-0.047			0.7	198	42
11/12/23 07:40	5.869	16.644	22.513	-0.025			0.6	199	44
11/12/23 07:45	3.940	3.916	7.856	-0.087			0.8	209	37
11/12/23 07:50	2.995	7.301	10.297	-0.084			0.7	227	23
11/12/23 07:55	3.123	5.940	9.063	-0.037			1.2	204	20
11/12/23 08:00	3.885	6.962	10.847	-0.024			1.3	214	19
11/12/23 08:05	3.474	7.733	11.207	-0.026			0.9	197	24
11/12/23 08:10	3.275	7.252	10.527	-0.034			1.1	207	25
11/12/23 08:15	2.681	6.137	8.818	-0.003			0.8	193	26
11/12/23 08:20	2.180	5.144	7.324	-0.067			0.8	197	31
11/12/23 08:25	2.880	5.089	7.969	-0.120			0.7	204	31
11/12/23 08:30	2.609	5.422	8.031	-0.029			0.8	208	25
11/12/23 08:35	1.782	5.672	7.455	0.004			0.6	204	26
11/12/23 08:40	1.532	5.308	6.840	-0.030			0.4	188	38
11/12/23 08:45	1.390	5.060	6.450	-0.033			0.8	201	23
11/12/23 08:50	1.207	4.887	6.094	-0.053			0.7	177	34
11/12/23 08:55	1.087	4.612	5.698	-0.073			0.6	163	45
11/12/23 09:00	1.284	4.527	5.811	-0.049			0.9	186	24
11/12/23 09:05	1.362	4.526	5.888	-0.017			1.3	151	31
11/12/23 09:10	1.186	4.506	5.692	0.082			1.9	144	21
11/12/23 09:15	1.012	4.330	5.342	0.080			2.6	145	20
11/12/23 09:20	0.947	4.299	5.246	0.065			2.6	153	18
11/12/23 09:25	0.997	4.295	5.293	0.024			1.4	153	30
11/12/23 09:30	1.687	4.794	6.481	0.040			1.4	197	22
11/12/23 09:35	1.957	5.407	7.363	-0.020			1.2	198	21
11/12/23 09:40	2.165	5.872	8.037	0.060			1.5	199	21
11/12/23 09:45	2.192	5.575	7.767	0.175			1.6	203	20
11/12/23 09:50	2.430	5.635	8.065	0.198			1.2	208	21
11/12/23 09:55	2.681	5.594	8.275	0.158			1.7	200	16
11/12/23 10:00	3.049	5.551	8.600	0.119			1.9	201	17
11/12/23 10:05	3.875	5.553	9.428	0.135			1.6	192	18
11/12/23 10:10	4.513	5.617	10.130	0.154			1.6	192	24
11/12/23 10:15	3.819	3.663	7.482	0.094			1.5	187	26
11/12/23 10:20	3.868	6.541	10.409	0.047			1.2	197	32
11/12/23 10:25	6.283	11.653	17.936	0.066			1.5	203	22
11/12/23 10:30	15.875	12.350	28.225	0.012			1.5	218	17
11/12/23 10:35	1.870	2.484	4.354	0.018			2.2	232	09
11/12/23 10:40	1.133	1.841	2.974	0.044			1.9	225	13
11/12/23 10:45	0.831	1.847	2.677	0.063			2.0	228	12
11/12/23 10:50	0.767	1.681	2.448	0.070			2.3	224	13
11/12/23 10:55	1.313	2.063	3.376	0.097			2.0	221	12
11/12/23 11:00	1.409	2.129	3.538	0.086			2.2	227	09
11/12/23 11:05	1.164	1.936	3.100	0.036			1.7	232	11
11/12/23 11:10	1.103	2.037	3.140	0.018			1.9	235	09
11/12/23 11:15	1.453	3.205	4.658	-0.009			1.7	235	11
11/12/23 11:20	1.218	2.590	3.809	0.006			1.6	237	17
11/12/23 11:25	0.942	2.270	3.212	0.003			1.7	231	12
11/12/23 11:30	0.643	2.037	2.680	-0.039			1.5	234	17
11/12/23 11:35	0.571	1.942	2.512	0.051			1.4	249	20
11/12/23 11:40	0.519	1.835	2.354	0.066			1.1	242	24
11/12/23 11:45	0.494	1.750	2.243	0.108			2.1	253	14
11/12/23 11:50	0.446	1.776	2.222	0.135			2.1	251	20
11/12/23 11:55	0.683	2.085	2.768	0.105			2.1	249	13
11/12/23 12:00	0.672	2.195	2.867	0.100			1.8	246	18
11/12/23 12:05	0.566	2.169	2.734	0.099			2.1	248	17
11/12/23 12:10	0.471	1.822	2.293	0.074			1.6	237	20
11/12/23 12:15	0.403	1.505	1.908	0.062			1.6	238	22
11/12/23 12:20	0.388	1.362	1.750	0.077			2.4	232	08
11/12/23 12:25	0.796	1.234	2.030	0.051			3.8	228	08
11/12/23 12:30	3.651		3.433	-0.001			3.5	223	10
11/12/23 12:35	7.586	5.210	12.795	0.045			3.8	223	11
11/12/23 12:40	6.217	2.092	8.310	0.027			3.6	224	10
11/12/23 12:45	3.376	4.130	7.506	-0.016			3.8	228	07
11/12/23 12:50	1.442	3.301	4.743	0.031			3.7	226	08
11/12/23 12:55	2.235	3.729	5.963	0.020			3.7	225	08
11/12/23 13:00	5.144	7.011	12.156	0.042			3.3	222	11
11/12/23 13:05	10.457	8.465	18.922	-0.015			3.4	224	10
11/12/23 13:10	6.383	4.423	10.807	0.006			3.7	227	09
11/12/23 13:15	7.079	5.423	12.502	0.091			2.9	222	14
11/12/23 13:20	2.398	5.131	7.530	0.053			2.5	219	14
11/12/23 13:25	2.337	4.475	6.812	0.070			3.2	227	09
11/12/23 13:30	2.511	3.920	6.430	0.010			3.0	229	09
11/12/23 13:35	3.959	4.795	8.754	-0.025			3.1	222	11
11/12/23 13:40	2.857	2.447	5.304	0.033			1.9	218	18
11/12/23 13:45	7.440	6.921	14.361	0.049			1.7	222	15
11/12/23 13:50	2.061	2.437	4.498	0.049			1.6	213	18
11/12/23 13:55	1.684	3.044	4.728	0.050			1.6	214	16
11/12/23 14:00	1.592	3.151	4.743	0.022			1.5	209	19
11/12/23 14:05	2.502	4.712	7.214	0.038			1.8	210	18
11/12/23 14:10	3.289	4.224	7.513	0.037			1.5	220	19
11/12/23 14:15	2.197	0.873	3.069	0.053			1.8	218	16
11/12/23 14:20	1.431	2.576	4.007	0.125			1.6	218	21
11/12/23 14:25	1.159	1.744	2.903	0.111			2.1	220	13
11/12/23 14:30	1.127	1.258	2.385	0.053			1.4	209	17
11/12/23 14:35	1.416	2.207	3.623	0.030			1.4	216	22
11/12/23 14:40	1.480	2.777	4.257	0.033			1.7	219	17
11/12/23 14:45	1.363	2.573	3.936	0.039			1.1	211	22
11/12/23 14:50	1.320	2.558	3.877	0.080			1.6	221	15
11/12/23 14:55	1.302	2.260	3.562	0.020			1.2	218	20
11/12/23 15:00	1.131	2.061	3.192	-0.039			1.1	217	21
11/12/23 15:05	1.247	1.938	3.184	0.018			1.4	224	12
11/12/23 15:10	1.000	2.238	3.238	0.025			1.4	230	13
11/12/23 15:15	0.524	1.895	2.419	0.018			1.4	226	11
11/12/23 15:20	0.484	1.484	1.967	-0.010			1.7	232	11
11/12/23 15:25	0.598	2.266	2.864	-0.008			1.6	234	15
11/12/23 15:30	0.888	4.253	5.142	-0.045			1.7	227	19
11/12/23 15:35	0.901	3.418	4.319	-0.052			1.8	205	19
11/12/23 15:40	0.851	3.110	3.961	-0.072			1.3	184	35
11/12/23 15:45	0.734	2.362	3.096	-0.102			1.6	149	32
11/12/23 15:50	0.517	1.204	1.720	-0.096			3.1	146	18
11/12/23 15:55	0.513	1.141	1.655	-0.056			2.1	118	23
11/12/23 16:00	1.280	1.900	3.180	-0.007			1.9	126	16
11/12/23 16:05	-0.116	2.020	1.904	0.043			0.8	169	35
11/12/23 16:10	24.353	0.501	24.855	0.066			1.3	259	24

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
11/12/23 16:15	17.310	12.979	30.289	0.123			3.0	267	11
11/12/23 16:20	1.329	2.926	4.255	0.120			2.8	257	11
11/12/23 16:25	3.022	9.480	12.503	0.085			1.6	251	19
11/12/23 16:30	4.880	10.935	15.815	0.019			1.3	250	24
11/12/23 16:35	1.590	1.671	3.261	-0.058			1.2	245	19
11/12/23 16:40	0.533	1.918	2.451	-0.041			1.4	243	24
11/12/23 16:45	0.422	2.129	2.551	-0.021			1.8	231	15
11/12/23 16:50	0.568	2.106	2.673	0.059			2.2	234	15
11/12/23 16:55	1.484	3.399	4.883	0.013			1.6	215	20
11/12/23 17:00	4.672	9.109	13.781	0.037			1.2	199	24
11/12/23 17:05	4.783	5.434	10.218	-0.066			2.2	232	13
11/12/23 17:10	2.293	2.522	4.815	-0.098			1.7	232	16
11/12/23 17:15	33.450	13.101	46.552	0.024			1.9	233	13
11/12/23 17:20	3.140	7.345	10.485	0.086			2.1	232	12
11/12/23 17:25	4.098	8.378	12.476	0.088			2.5	228	09
11/12/23 17:30	4.276	9.313	13.588	0.079			2.2	221	13
11/12/23 17:35	4.133	4.115	8.247	0.079			2.4	221	12
11/12/23 17:40	2.563	2.034	4.597	0.103			2.6	223	11
11/12/23 17:45	2.959	4.563	7.522	0.109			2.4	223	12
11/12/23 17:50	2.502	1.566	4.068	0.108			2.5	216	17
11/12/23 17:55	4.828	7.500	12.328	0.096			2.7	218	18
11/12/23 18:00	11.327	14.070	25.397	0.138			2.1	205	21
11/12/23 18:05	5.834	0.706	6.540	0.190			3.2	218	15
11/12/23 18:10	23.560	5.692	29.253	0.214			3.0	216	12
11/12/23 18:15	18.757	13.608	32.365	0.208			1.7	229	16
11/12/23 18:20	2.501	5.555	8.055	0.175			1.4	233	18
11/12/23 18:25	13.126	17.078	30.204	0.163			1.1	250	26
11/12/23 18:30	30.261	18.234	48.495	0.164			2.1	222	14
11/12/23 18:35	11.422	16.717	28.139	0.219			1.9	233	14
11/12/23 18:40	6.497	13.147	19.644	0.218			1.4	231	16
11/12/23 18:45	3.673	10.509	14.182	0.152			1.3	250	24
11/12/23 18:50	3.868	1.185	5.053	0.100			1.3	246	23
11/12/23 18:55	197.169	21.038	218.207	0.264			2.1	226	12
11/12/23 19:00	181.474	24.692	206.166	0.723			2.1	229	09
11/12/23 19:05	1.510	7.056	8.566	0.612			1.2	231	17
11/12/23 19:10	1.514	3.729	5.244	0.350			1.1	229	21
11/12/23 19:15	3.102	8.641	11.743	0.248			1.2	230	20
11/12/23 19:20	4.110	12.304	16.414	0.136			1.2	231	16
11/12/23 19:25	3.792	13.126	16.918	0.079			1.0	234	21
11/12/23 19:30	3.314	11.893	15.207	0.056			1.3	232	20
11/12/23 19:35	3.321	14.041	17.362	-0.026			1.2	242	26
11/12/23 19:40	2.666	8.002	10.668	-0.077			1.3	246	22
11/12/23 19:45	1.835	6.352	8.187	-0.152			1.3	237	23
11/12/23 19:50	3.215	15.408	18.623	-0.248			1.0	237	28
11/12/23 19:55	1.298	7.343	8.641	-0.047			1.1	238	25
11/12/23 20:00	0.403	7.574	7.977	0.043			1.4	243	22
11/12/23 20:05	0.118	7.091	7.209	-0.074			1.4	247	22
11/12/23 20:10	0.053	6.426	6.479	-0.102			1.3	243	21
11/12/23 20:15	0.020	5.704	5.724	-0.029			1.1	234	22
11/12/23 20:20	0.073	5.087	5.160	-0.062			1.7	235	13
11/12/23 20:25	0.632	6.384	7.015	-0.160			0.8	233	28
11/12/23 20:30	0.959	7.233	8.191	-0.090			1.3	254	22
11/12/23 20:35	0.759	5.159	5.918	-0.186			1.8	269	13
11/12/23 20:40	0.677	5.585	6.262	-0.237			1.3	267	18
11/12/23 20:45	2.168	16.922	19.090	-0.091			0.9	312	22
11/12/23 20:50	6.257	20.330	26.588	-0.107			0.9	331	27
11/12/23 20:55	9.455	16.629	26.084	-0.162			0.6	332	26
11/12/23 21:00	9.998	16.615	26.613	-0.082			0.9	325	12
11/12/23 21:05	10.387	16.525	26.912	-0.080			1.0	321	11
11/12/23 21:10	9.785	16.348	26.133	-0.044			1.6	312	12
11/12/23 21:15	9.365	15.962	25.327	0.043			1.4	306	19
11/12/23 21:20	9.310	15.832	25.142	0.030			2.1	312	08
11/12/23 21:25	8.468	15.701	24.169	-0.024			1.1	309	26
11/12/23 21:30	7.436	15.482	22.918	0.089			1.1	311	16
11/12/23 21:35	6.374	15.324	21.697	0.052			1.1	300	26
11/12/23 21:40	5.719	15.090	20.809	0.013			1.8	269	12
11/12/23 21:45	4.618	14.588	19.206	-0.027			2.3	266	11
11/12/23 21:50	7.282	13.822	21.104	-0.091			2.2	260	14
11/12/23 21:55	11.992	13.179	25.171	0.015			2.5	264	10
11/12/23 22:00	11.504	13.534	25.038	0.151			2.2	257	13
11/12/23 22:05	6.619	11.267	17.886	0.035			2.1	256	16
11/12/23 22:10	4.204	11.290	15.494	0.041			2.4	260	14
11/12/23 22:15	4.083	9.313	13.396	0.130			2.5	257	13
11/12/23 22:20	5.388	11.339	16.727	0.125			2.8	259	10
11/12/23 22:25	5.748	10.028	15.776	0.135			2.6	257	14
11/12/23 22:30	5.794	10.347	16.141	0.111			2.5	260	13
11/12/23 22:35	5.746	10.838	16.583	0.197			2.5	259	13
11/12/23 22:40	5.949	11.515	17.464	0.181			2.4	257	10
11/12/23 22:45	6.260	11.847	18.108	0.224			2.3	252	15
11/12/23 22:50	5.191	9.327	14.518	0.228			2.0	254	15
11/12/23 22:55	4.271	6.517	10.788	0.292			2.0	252	17
11/12/23 23:00	2.599	5.293	7.892	0.240			2.0	250	18
11/12/23 23:05	1.789	4.959	6.748	0.193			2.5	255	13
11/12/23 23:10	2.260	8.681	10.941	0.206			2.2	259	16
11/12/23 23:15	4.747	15.366	20.113	0.257			2.0	261	16
11/12/23 23:20	7.754	13.808	21.561	0.370			2.2	257	12
11/12/23 23:25	9.847	13.046	22.893	0.393			2.1	257	14
11/12/23 23:30	11.703	13.697	25.401	0.363			2.2	260	14
11/12/23 23:35	8.735	11.567	20.302	0.363			1.6	250	18
11/12/23 23:40	0.876	4.789	5.666	0.392			1.2	247	20
11/12/23 23:45	0.511	4.207	4.718	0.369			1.2	245	26
11/12/23 23:50	0.473	3.955	4.428				2.0	258	17
11/12/23 23:55	12.772	2.254	15.026				2.0	257	14
12/12/23 00:00	9.944	13.077	23.022				1.9	255	15
12/12/23 00:05	2.075	5.962	8.038	0.428			1.5	248	16
12/12/23 00:10	0.109	6.325	6.434	0.582			1.5	249	19
12/12/23 00:15	0.475	6.664	7.139	0.753			2.7	259	10
12/12/23 00:20	2.015	11.356	13.371	0.860			2.5	263	14
12/12/23 00:25	3.216	13.692	16.908	0.793			1.9	259	16
12/12/23 00:30	3.418	13.420	16.838	0.791			1.6	256	21
12/12/23 00:35	6.224	12.691	18.915	1.013			2.0	264	13
12/12/23 00:40	10.217	17.417	27.634	1.095			2.1	267	15
12/12/23 00:45	6.269	14.280	20.549	1.019			1.9	264	17
12/12/23 00:50	6.802	14.938	21.740	0.881			1.4	257	21
12/12/23 00:55	8.563	15.631	24.194	0.888			1.3	257	18
12/12/23 01:00	5.885	8.705	14.589	0.750			1.3	220	21

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/12/23 01:05							1.5	210	18
12/12/23 01:10							1.4	218	16
12/12/23 01:15							1.9	224	08
12/12/23 01:20							1.4	213	17
12/12/23 01:25							1.9	220	11
12/12/23 01:30							1.9	212	14
12/12/23 01:35							1.7	210	16
12/12/23 01:40							1.8	217	16
12/12/23 01:45							1.5	218	14
12/12/23 01:50							1.4	215	18
12/12/23 01:55							0.8	202	33
12/12/23 02:00							0.8	193	39
12/12/23 02:05	0.453	2.123	2.576	0.621			0.8	185	37
12/12/23 02:10	0.174	2.168	2.342	0.722			1.0	133	33
12/12/23 02:15	0.041	2.235	2.277	0.730			1.1	142	32
12/12/23 02:20	0.007	2.181	2.187	0.734			1.0	139	30
12/12/23 02:25	0.001	2.246	2.247	0.566			0.9	141	28
12/12/23 02:30	0.003	2.448	2.451	0.602			0.4	153	49
12/12/23 02:35	0.041	2.820	2.861	0.458			1.0	155	16
12/12/23 02:40	0.095	3.213	3.308	0.429			0.6	130	23
12/12/23 02:45	0.640	4.031	4.671	0.458			1.0	62	29
12/12/23 02:50	5.461	18.024	23.485	0.600			0.6	26	24
12/12/23 02:55	14.017	13.963	27.980	0.668			0.8	35	20
12/12/23 03:00	15.008	14.436	29.444	0.635			0.8	59	22
12/12/23 03:05	15.408	15.074	30.482	0.633			0.8	19	26
12/12/23 03:10	14.998	15.212	30.210	0.649			0.8	20	21
12/12/23 03:15	14.162	15.264	29.425	0.641			1.0	348	18
12/12/23 03:20	13.945	15.235	29.180	0.613			0.9	17	28
12/12/23 03:25	15.430	15.011	30.442	0.679			0.6	17	32
12/12/23 03:30	21.970	11.251	33.221	0.689			0.6	9	35
12/12/23 03:35	26.372	12.592	38.964	0.713			0.3	16	49
12/12/23 03:40	26.508	15.239	41.746	0.784			0.4	75	22
12/12/23 03:45	25.942	15.344	41.285	0.731			0.6	62	25
12/12/23 03:50	24.954	15.353	40.308	0.716			0.7	69	20
12/12/23 03:55	23.880	15.136	39.017	0.731			0.5	77	14
12/12/23 04:00	21.009	15.071	36.079	0.742			0.7	79	15
12/12/23 04:05	15.942	14.366	30.308	0.753			1.0	79	14
12/12/23 04:10	13.396	14.200	27.596	0.697			0.8	69	18
12/12/23 04:15	12.638	14.550	27.188	0.643			0.9	79	14
12/12/23 04:20	12.818	14.322	27.140	0.683			0.9	90	17
12/12/23 04:25	13.523	14.313	27.836	0.748			0.7	78	19
12/12/23 04:30	14.384	14.153	28.537	0.772			0.7	63	20
12/12/23 04:35	15.524	14.174	29.698	0.752			0.8	64	20
12/12/23 04:40	17.876	14.021	31.896	0.831			0.7	69	19
12/12/23 04:45	21.002	13.894	34.896	0.865			0.6	48	30
12/12/23 04:50	20.508	13.955	34.463	0.924			0.6	1	25
12/12/23 04:55	21.003	13.968	34.972	0.887			0.7	28	25
12/12/23 05:00	22.161	13.696	35.857	0.849			0.5	21	29
12/12/23 05:05	23.058	13.855	36.913	0.797			0.4	60	19
12/12/23 05:10	28.740	18.342	47.082	0.725			0.6	44	24
12/12/23 05:15	31.847	14.081	45.928	0.751			0.7	33	20
12/12/23 05:20	37.297	10.464	47.761	0.762			0.7	360	22
12/12/23 05:25	38.252	12.945	51.197	0.788			0.7	326	31
12/12/23 05:30	40.027	15.931	55.958	0.796			0.5	317	31
12/12/23 05:35	42.655	15.664	58.318	0.904			0.6	283	28
12/12/23 05:40	41.079	15.047	56.126	0.943			0.9	308	25
12/12/23 05:45	24.281	12.716	36.997	0.950			0.7	299	30
12/12/23 05:50	17.720	13.636	31.356	0.983			0.8	310	18
12/12/23 05:55	18.122	13.325	31.447	0.961			0.7	302	23
12/12/23 06:00	19.049	13.189	32.238	0.885			0.9	320	18
12/12/23 06:05	18.515	13.010	31.525	0.778			1.3	304	16
12/12/23 06:10	17.571	12.616	30.187	0.785			0.9	309	18
12/12/23 06:15	17.318	12.670	29.988	0.709			0.7	307	25
12/12/23 06:20	18.388	14.689	33.077	0.729			0.5	307	20
12/12/23 06:25	22.828	19.863	42.691	0.719			0.6	295	20
12/12/23 06:30	39.142	14.405	53.547	0.785			0.7	305	28
12/12/23 06:35	20.062	12.359	32.421	0.898			0.9	307	17
12/12/23 06:40	18.297	13.427	31.724	0.925			1.1	299	23
12/12/23 06:45	28.454	16.961	45.415	0.954			1.0	274	15
12/12/23 06:50	43.641	15.453	59.094	0.924			0.6	267	21
12/12/23 06:55	35.922	17.633	53.555	0.903			0.5	263	20
12/12/23 07:00	23.957	14.386	38.343	0.918			0.7	270	22
12/12/23 07:05	33.013	14.214	47.227	0.886			0.8	275	19
12/12/23 07:10							0.8	262	17
12/12/23 07:15							0.3	242	30
12/12/23 07:20							0.3	233	24
12/12/23 07:25							0.4	223	11
12/12/23 07:30							0.4	248	26
12/12/23 07:35							0.4	259	22
12/12/23 07:40							0.3	219	23
12/12/23 07:45							0.4	216	20
12/12/23 07:50							0.3	258	33
12/12/23 07:55							0.4	247	30
12/12/23 08:00							0.7	256	28
12/12/23 08:05							0.5	239	24
12/12/23 08:10							0.5	222	24
12/12/23 08:15							0.3	118	49
12/12/23 08:20							0.2	201	83
12/12/23 08:25							0.7	213	28
12/12/23 08:30							0.6	226	19
12/12/23 08:35							0.7	230	15
12/12/23 08:40							0.8	224	16
12/12/23 08:45							0.5	216	26
12/12/23 08:50							0.6	215	20
12/12/23 08:55							0.5	198	27
12/12/23 09:00							0.6	228	20
12/12/23 09:05							1.2	224	12
12/12/23 09:10							0.9	197	19
12/12/23 09:15							0.9	184	22
12/12/23 09:20							0.6	199	36
12/12/23 09:25							0.9	217	19
12/12/23 09:30							1.1	222	17
12/12/23 09:35							1.1	190	17
12/12/23 09:40							1.1	203	24
12/12/23 09:45	40.057	13.978	54.034	1.025			1.1	223	18
12/12/23 09:50	37.599	14.746	52.345	1.066			1.1	231	13

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/12/23 09:55	30.712	17.078	47.790	1.065			1.0	232	10
12/12/23 10:00	28.720	14.202	42.922	1.155			1.4	223	12
12/12/23 10:05	27.358	13.841	41.199	1.187			1.5	230	13
12/12/23 10:10	33.297	15.121	48.417	1.146			1.4	226	13
12/12/23 10:15	41.323	14.367	55.689	1.181			1.4	224	20
12/12/23 10:20	36.772	16.554	53.325	1.226			1.4	237	07
12/12/23 10:25	34.152	16.761	50.913	1.192			1.6	233	09
12/12/23 10:30	29.772	17.063	46.835	1.118			1.6	221	12
12/12/23 10:35	28.945	15.587	44.532	1.079			1.3	196	19
12/12/23 10:40	32.050	15.559	47.609	1.161			1.0	201	24
12/12/23 10:45	42.799	17.577	60.376	1.194			1.1	221	22
12/12/23 10:50	24.253	14.977	39.229	1.232			1.5	232	11
12/12/23 10:55	22.329	14.035	36.364	1.249			1.9	231	06
12/12/23 11:00	30.950	16.797	47.747	1.163			1.4	213	18
12/12/23 11:05	29.753	16.916	46.669	1.208			1.2	199	20
12/12/23 11:10	25.752	15.531	41.282	1.242			1.2	198	23
12/12/23 11:15	21.857	12.540	34.397	1.298			1.0	191	24
12/12/23 11:20	21.129	14.293	35.423	1.305			1.2	192	25
12/12/23 11:25	20.419	12.689	33.108	1.361			1.1	213	22
12/12/23 11:30	40.377	18.894	59.271	1.433			1.2	218	21
12/12/23 11:35	52.750	25.070	77.820	1.459			1.4	218	17
12/12/23 11:40	16.802	13.838	30.641	1.479			1.2	217	19
12/12/23 11:45	12.884	11.595	24.479	1.376			1.3	221	18
12/12/23 11:50	10.789	12.302	23.090	1.389			2.0	224	11
12/12/23 11:55	8.544	13.036	21.580	1.313			2.0	221	10
12/12/23 12:00	9.182	12.470	21.652	1.277			2.1	223	12
12/12/23 12:05	9.261	12.234	21.494	1.237			1.8	223	08
12/12/23 12:10	9.248	11.840	21.088	1.175			2.0	225	12
12/12/23 12:15	9.010	11.817	20.828	1.079			2.1	227	11
12/12/23 12:20	8.936	11.583	20.519	0.975			1.8	226	13
12/12/23 12:25	8.886	11.454	20.340	0.970			1.6	229	09
12/12/23 12:30	8.658	11.162	19.820	0.845			1.4	226	15
12/12/23 12:35	8.439	11.056	19.494	0.809			1.6	228	12
12/12/23 12:40	8.751	11.461	20.212	0.803			1.5	221	16
12/12/23 12:45	8.810	11.414	20.223	0.833			1.4	229	14
12/12/23 12:50	8.386	11.093	19.478	0.832			1.7	225	13
12/12/23 12:55	8.230	11.375	19.605	0.742			1.9	228	10
12/12/23 13:00	7.962	11.440	19.402	0.710			1.9	230	09
12/12/23 13:05	7.513	11.350	18.863	0.657			1.7	230	12
12/12/23 13:10	6.981	10.834	17.815	0.696			1.3	233	13
12/12/23 13:15	6.598	10.391	16.989	0.753			1.3	233	15
12/12/23 13:20	6.323	10.076	16.399	0.768			0.9	230	18
12/12/23 13:25	6.200	9.959	16.160	0.672			0.9	236	25
12/12/23 13:30	6.006	9.907	15.912	0.710			1.1	233	14
12/12/23 13:35	5.838	10.189	16.026	0.703			1.3	232	15
12/12/23 13:40	5.744	10.917	16.660	0.663			1.5	230	13
12/12/23 13:45	5.605	10.843	16.448	0.612			1.1	233	17
12/12/23 13:50	4.805	8.885	13.690	0.600			1.1	233	12
12/12/23 13:55	17.448	18.406	35.853	0.655			1.0	226	17
12/12/23 14:00	16.359	20.957	37.316	0.665			0.9	233	20
12/12/23 14:05	6.982	14.047	21.028	0.613			0.7	243	30
12/12/23 14:10	5.893	14.314	20.207	0.518			0.6	230	39
12/12/23 14:15	4.324	10.334	14.659	0.444			1.1	232	27
12/12/23 14:20	3.428	6.758	10.185	0.440			0.6	245	32
12/12/23 14:25	3.178	7.311	10.488	0.470			0.5	263	38
12/12/23 14:30	6.158	27.683	33.840	0.455			0.7	146	49
12/12/23 14:35	14.108	16.481	30.589	0.506			0.9	157	38
12/12/23 14:40	6.316	9.636	15.952	0.512			1.0	199	30
12/12/23 14:45	67.493	31.731	99.224	0.634			1.2	223	25
12/12/23 14:50	31.998	16.511	48.509	0.719			1.6	225	15
12/12/23 14:55	7.494	8.757	16.252	0.782			1.5	192	19
12/12/23 15:00	10.833	17.583	28.416	0.730			2.0	190	15
12/12/23 15:05	13.685	14.084	27.769	0.691			1.2	183	30
12/12/23 15:10	12.855	18.437	31.292	0.727			1.1	174	40
12/12/23 15:15	4.621	8.673	13.294	0.681			0.7	210	42
12/12/23 15:20	3.716	10.097	13.813	0.704			0.9	199	33
12/12/23 15:25	3.182	11.151	14.333	0.636			1.0	210	27
12/12/23 15:30	22.461	28.989	51.450	0.677			1.3	214	27
12/12/23 15:35	5.216	16.871	22.087	0.772			1.3	189	24
12/12/23 15:40	14.147	19.211	33.358	0.839			1.8	192	18
12/12/23 15:45	20.518	25.449	45.968	0.829			1.5	196	23
12/12/23 15:50	28.731	30.114	58.844	0.876			1.0	186	37
12/12/23 15:55	19.438	23.973	43.411	0.901			1.5	151	32
12/12/23 16:00	13.649	20.055	33.704	0.871			1.7	151	31
12/12/23 16:05	11.718	18.019	29.736	0.870			1.8	151	29
12/12/23 16:10	4.778	13.455	18.233	0.869			2.5	154	18
12/12/23 16:15	2.912	7.673	10.585	0.849			2.5	160	18
12/12/23 16:20	2.159	7.496	9.656	0.852			1.5	154	31
12/12/23 16:25	1.900	7.088	8.987	0.820			2.6	158	18
12/12/23 16:30	2.332	8.510	10.842	0.765			2.1	156	23
12/12/23 16:35	2.326	11.304	13.630	0.724			2.3	121	16
12/12/23 16:40	2.280	4.667	6.946	0.717			2.8	123	10
12/12/23 16:45	1.836	4.066	5.902	0.624			3.0	125	07
12/12/23 16:50	1.493	4.214	5.706	0.564			3.0	127	08
12/12/23 16:55	1.472	5.862	7.334	0.434			2.9	123	10
12/12/23 17:00	1.472	4.598	6.070	0.443			3.0	127	16
12/12/23 17:05	1.386	4.108	5.495	0.460			2.8	123	12
12/12/23 17:10	1.400	4.922	6.322	0.415			3.4	121	12
12/12/23 17:15	1.327	4.700	6.027	0.456			3.3	119	08
12/12/23 17:20	1.093	4.496	5.589	0.462			3.2	124	10
12/12/23 17:25	0.894	4.351	5.245	0.435			2.9	125	12
12/12/23 17:30	0.876	4.465	5.341	0.388			3.0	123	11
12/12/23 17:35	0.889	4.562	5.451	0.327			2.3	121	11
12/12/23 17:40	0.909	4.849	5.758	0.213			2.5	125	08
12/12/23 17:45	0.882	5.084	5.965	0.134			2.7	127	12
12/12/23 17:50	0.751	4.933	5.684	0.125			2.5	122	20
12/12/23 17:55	0.768	4.881	5.649	0.120			2.3	123	13
12/12/23 18:00	0.654	4.719	5.373	0.207			2.7	128	10
12/12/23 18:05	0.518	4.543	5.060	0.215			2.9	126	09
12/12/23 18:10	0.263	4.486	4.749	0.223			3.1	123	10
12/12/23 18:15	0.309	4.561	4.870	0.244			3.2	121	11
12/12/23 18:20	0.354	4.713	5.067	0.288			2.8	126	10
12/12/23 18:25	0.353	4.981	5.334	0.263			3.3	116	13
12/12/23 18:30	0.366	5.151	5.517	0.174			3.5	115	10
12/12/23 18:35	0.463	5.374	5.838	0.133			2.7	115	11
12/12/23 18:40	0.454	5.514	5.968	0.183			2.3	123	11

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/12/23 18:45	0.458	5.545	6.003	0.220			2.1	121	14
12/12/23 18:50	0.447	5.730	6.177	0.249			1.6	120	14
12/12/23 18:55	0.517	6.136	6.654	0.278			1.0	122	34
12/12/23 19:00	0.452	6.512	6.964	0.259			1.2	123	22
12/12/23 19:05	0.365	6.523	6.888	0.250			2.2	122	11
12/12/23 19:10	0.334	6.463	6.797	0.237			2.4	123	13
12/12/23 19:15	0.346	6.451	6.796	0.237			2.0	123	13
12/12/23 19:20	0.341	6.324	6.665	0.295			2.1	124	09
12/12/23 19:25	0.378	6.256	6.634	0.365			2.1	125	10
12/12/23 19:30	0.427	6.384	6.810	0.358			2.0	123	09
12/12/23 19:35	0.346	6.546	6.893	0.354			2.1	122	08
12/12/23 19:40	0.247	6.614	6.861	0.339			2.2	120	09
12/12/23 19:45	0.230	6.744	6.974	0.344			2.2	115	12
12/12/23 19:50	0.185	6.725	6.910	0.315			1.8	119	12
12/12/23 19:55	0.173	6.876	7.049	0.313			1.6	115	15
12/12/23 20:00	0.176	7.083	7.259	0.270			1.9	110	14
12/12/23 20:05	0.208	7.243	7.451	0.211			1.4	113	14
12/12/23 20:10	0.177	7.302	7.479	0.202			1.3	120	11
12/12/23 20:15	0.178	7.338	7.517	0.186			1.5	106	17
12/12/23 20:20	0.172	8.032	8.204	0.193			0.4	45	64
12/12/23 20:25	0.117	8.301	8.418	0.167			0.8	308	16
12/12/23 20:30	0.142	7.993	8.135	0.184			0.9	256	29
12/12/23 20:35	0.167	7.652	7.819	0.195			0.8	245	29
12/12/23 20:40	0.105	7.306	7.411	0.116			0.2	352	69
12/12/23 20:45	0.180	7.195	7.375	0.126			0.6	161	31
12/12/23 20:50	0.223	7.265	7.488	0.157			0.4	164	30
12/12/23 20:55	0.204	7.221	7.425	0.079			0.2	131	48
12/12/23 21:00	0.047	7.095	7.142	0.154			0.1	150	68
12/12/23 21:05	-0.023	7.305	7.282	0.202			0.4	137	28
12/12/23 21:10	1.136	8.373	9.508	0.211			0.5	141	26
12/12/23 21:15	0.591	8.409	9.000	0.198			0.7	168	26
12/12/23 21:20	0.287	8.494	8.781	0.204			0.3	153	48
12/12/23 21:25	0.208	8.090	8.298	0.170			0.8	147	20
12/12/23 21:30	0.215	7.845	8.059	0.201			0.9	137	21
12/12/23 21:35	0.286	7.462	7.748	0.237			0.9	127	14
12/12/23 21:40	0.256	7.332	7.588	0.209			0.5	139	29
12/12/23 21:45	0.272	7.237	7.510	0.211			0.5	130	23
12/12/23 21:50	0.252	7.322	7.574	0.142			0.2	120	53
12/12/23 21:55	0.168	7.387	7.555	0.112			0.8	103	15
12/12/23 22:00	0.204	7.402	7.606	0.152			1.0	55	35
12/12/23 22:05	0.334	8.145	8.479	0.183			1.0	53	40
12/12/23 22:10	0.969	10.756	11.724	0.224			2.7	29	28
12/12/23 22:15	1.125	6.644	7.769	0.210			1.8	293	76
12/12/23 22:20	0.882	1.488	2.369	0.224			1.8	187	57
12/12/23 22:25	0.724	1.357	2.081	0.296			0.3	304	84
12/12/23 22:30	0.573	1.847	2.421	0.298			0.8	18	39
12/12/23 22:35	0.456	3.508	3.964	0.283			1.6	113	09
12/12/23 22:40	0.311	11.180	11.491	0.336			0.4	266	51
12/12/23 22:45	0.322	14.003	14.324	0.352			0.6	155	52
12/12/23 22:50	0.299	14.278	14.576	0.401			1.4	117	09
12/12/23 22:55	0.275	14.465	14.740	0.447			1.6	100	21
12/12/23 23:00	0.186	12.116	12.301	0.430			1.2	75	19
12/12/23 23:05	0.218	10.204	10.422	0.416			1.4	46	11
12/12/23 23:10	0.267	10.589	10.856	0.364			1.6	68	20
12/12/23 23:15	0.156	10.753	10.909	0.271			1.5	61	17
12/12/23 23:20	0.077	11.310	11.387	0.267			2.2	57	11
12/12/23 23:25	0.114	12.615	12.728	0.222			2.3	61	14
12/12/23 23:30	0.139	13.427	13.566	0.239			2.1	72	15
12/12/23 23:35	0.066	13.139	13.205	0.259			2.1	66	17
12/12/23 23:40	0.013	13.180	13.192	0.278			1.0	18	43
12/12/23 23:45	0.149	13.150	13.299	0.263			0.4	250	53
12/12/23 23:50	0.232	13.039	13.272				0.8	154	25
12/12/23 23:55	0.173	12.925	13.098				0.1	14	90
13/12/23 00:00	0.232	12.826	13.059				0.3	206	64
13/12/23 00:05	0.267	12.552	12.820	0.232			1.1	140	13
13/12/23 00:10	0.260	11.926	12.186	0.199			0.2	356	84
13/12/23 00:15	0.168	11.504	11.672	0.178			0.3	270	26
13/12/23 00:20	0.070	11.364	11.434	0.159			0.7	180	23
13/12/23 00:25	0.104	10.645	10.749	0.130			0.1	319	95
13/12/23 00:30	0.095	9.749	9.844	0.102			0.5	76	32
13/12/23 00:35	0.083	8.999	9.082	0.138			0.4	126	20
13/12/23 00:40	0.050	8.462	8.512	0.077			0.1	208	85
13/12/23 00:45	0.059	8.071	8.130	0.118			0.5	251	21
13/12/23 00:50	0.175	7.742	7.917	0.165			0.3	268	34
13/12/23 00:55	0.171	7.411	7.582	0.185			0.4	290	12
13/12/23 01:00	0.110	7.225	7.334	0.191			0.2	254	72
13/12/23 01:05							0.3	38	35
13/12/23 01:10							0.5	39	07
13/12/23 01:15							0.3	23	28
13/12/23 01:20							0.5	40	15
13/12/23 01:25							0.6	354	12
13/12/23 01:30							0.4	310	26
13/12/23 01:35							0.4	278	16
13/12/23 01:40							0.2	354	41
13/12/23 01:45							0.3	238	20
13/12/23 01:50							0.3	258	13
13/12/23 01:55							0.1	289	64
13/12/23 02:00							0.1	182	80
13/12/23 02:05	0.380	8.714	9.094	0.219			0.4	77	12
13/12/23 02:10	0.314	9.671	9.985	0.196			0.5	48	11
13/12/23 02:15	0.432	11.155	11.587	0.252			0.4	44	18
13/12/23 02:20	0.557	12.032	12.589	0.258			0.4	225	16
13/12/23 02:25	0.486	10.920	11.406	0.273			0.3	240	13
13/12/23 02:30	0.492	13.285	13.777	0.266			0.5	233	20
13/12/23 02:35	0.577	15.872	16.449	0.261			0.2	252	40
13/12/23 02:40	0.947	19.024	19.971	0.309			0.1	314	80
13/12/23 02:45	0.999	18.888	19.887	0.312			0.2	304	40
13/12/23 02:50	1.206	19.113	20.319	0.313			0.3	292	17
13/12/23 02:55	1.318	19.755	21.073	0.356			0.3	284	20
13/12/23 03:00	1.238	20.271	21.509	0.301			0.4	286	20
13/12/23 03:05	1.066	20.577	21.643	0.290			0.4	262	13
13/12/23 03:10	0.919	20.647	21.566	0.296			0.5	288	24
13/12/23 03:15	0.987	20.607	21.594	0.387			0.4	273	13
13/12/23 03:20	1.454	20.478	21.933	0.365			0.2	276	32
13/12/23 03:25	2.347	20.500	22.847	0.312			0.2	314	25
13/12/23 03:30	3.766	20.622	24.387	0.283			0.2	331	40

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
13/12/23 03:35	5.215	19.666	24.882	0.269			0.3	69	12
13/12/23 03:40	22.679	10.383	33.063	0.331			0.2	85	28
13/12/23 03:45	23.772	16.583	40.355	0.365			0.4	87	11
13/12/23 03:50	25.476	19.015	44.491	0.456			0.4	108	13
13/12/23 03:55	22.293	17.877	40.170	0.418			0.5	110	14
13/12/23 04:00	12.489	17.077	29.566	0.407			0.5	113	10
13/12/23 04:05	4.724	16.974	21.698	0.374			0.5	136	18
13/12/23 04:10	3.148	18.675	21.823	0.386			0.5	124	14
13/12/23 04:15	2.900	19.277	22.177	0.378			0.5	127	11
13/12/23 04:20	3.190	19.103	22.293	0.420			0.2	123	40
13/12/23 04:25	3.588	18.920	22.508	0.414			0.1	339	72
13/12/23 04:30	3.954	18.661	22.615	0.386			0.7	277	15
13/12/23 04:35	3.943	18.555	22.498	0.460			0.6	273	13
13/12/23 04:40	4.878	18.576	23.454	0.559			0.4	267	23
13/12/23 04:45	6.847	19.038	25.885	0.535			0.2	289	60
13/12/23 04:50	9.451	19.983	29.433	0.504			0.7	272	12
13/12/23 04:55	11.698	19.248	30.946	0.506			0.4	244	27
13/12/23 05:00	11.009	18.585	29.594	0.506			0.1	238	94
13/12/23 05:05	9.906	18.305	28.211	0.499			0.5	276	20
13/12/23 05:10	9.612	17.865	27.477	0.559			0.3	252	28
13/12/23 05:15	10.044	17.310	27.354	0.591			0.5	279	11
13/12/23 05:20	10.629	16.692	27.322	0.611			0.4	272	17
13/12/23 05:25	12.056	16.252	28.308	0.695			0.3	282	39
13/12/23 05:30	12.906	15.662	28.568	0.748			0.3	283	45
13/12/23 05:35	13.164	14.856	28.020	0.822			0.4	286	32
13/12/23 05:40	12.444	14.571	27.015	0.796			0.4	275	30
13/12/23 05:45	13.162	15.457	28.620	0.775			0.6	271	19
13/12/23 05:50	14.850	16.038	30.887	0.791			0.8	258	16
13/12/23 05:55	16.265	14.461	30.726	0.723			0.7	250	28
13/12/23 06:00	45.667	18.827	64.494	0.767			0.6	234	36
13/12/23 06:05	75.301	20.614	95.915	0.791			0.9	262	18
13/12/23 06:10	75.886	23.511	99.396	0.841			1.2	261	09
13/12/23 06:15	88.140	19.115	107.255	0.901			0.4	242	23
13/12/23 06:20	88.211	22.859	111.070	0.971			0.5	265	31
13/12/23 06:25	83.921	23.942	107.863	1.058			0.2	230	51
13/12/23 06:30	88.635	20.120	108.755	1.170			0.7	136	12
13/12/23 06:35	72.757		62.897	1.189			1.2	150	18
13/12/23 06:40	17.993	14.311	32.304	1.116			1.0	125	18
13/12/23 06:45	44.649	23.515	68.164	1.104			0.6	141	33
13/12/23 06:50	15.512	28.662	44.174	1.164			1.1	114	11
13/12/23 06:55	12.903	8.686	21.590	1.169			0.8	120	24
13/12/23 07:00	11.131	11.260	22.390	1.110			1.1	124	11
13/12/23 07:05	12.539	11.525	24.064	1.015			0.9	135	22
13/12/23 07:10	10.384	11.237	21.621	0.944			0.2	183	61
13/12/23 07:15	16.325	13.879	30.204	0.940			0.7	250	26
13/12/23 07:20	11.774	8.556	20.329	0.913			0.8	251	31
13/12/23 07:25	53.934	17.127	71.061	0.876			1.2	225	21
13/12/23 07:30	63.605	22.941	86.546	0.946			1.1	203	28
13/12/23 07:35	41.223	14.949	56.172	0.968			1.0	137	16
13/12/23 07:40	32.613	15.882	48.496	0.979			0.7	150	28
13/12/23 07:45	43.350	13.997	57.347	0.889			0.7	231	22
13/12/23 07:50	13.917	10.819	24.736	0.940			0.8	232	12
13/12/23 07:55	33.328	17.320	50.648	0.871			0.4	226	32
13/12/23 08:00	47.120	13.520	60.640	0.854			0.6	120	18
13/12/23 08:05	19.786	16.667	36.453	0.865			1.1	119	12
13/12/23 08:10	22.955	7.682	30.637	0.917			0.5	138	44
13/12/23 08:15	17.981	10.540	28.521	0.892			0.5	226	51
13/12/23 08:20	90.942	20.674	111.616	0.876			1.3	115	12
13/12/23 08:25	10.171	10.139	20.310	0.861			1.0	113	19
13/12/23 08:30	21.918	14.511	36.429	0.832			0.8	76	29
13/12/23 08:35	57.420	23.182	80.602	0.879			0.7	6	18
13/12/23 08:40	74.274	25.174	99.448	0.896			0.4	33	34
13/12/23 08:45	100.845	27.008	127.853	0.950			0.1	67	89
13/12/23 08:50	96.644	26.975	123.619	1.092			0.3	75	66
13/12/23 08:55	136.751	36.401	173.151	1.231			0.5	125	31
13/12/23 09:00	95.663	29.995	125.658	1.186			0.6	86	59
13/12/23 09:05	65.544	33.989	99.533	1.142			0.4	21	67
13/12/23 09:10	52.815	37.121	89.936	1.131			0.7	15	47
13/12/23 09:15	22.857	32.708	55.564	1.096			1.0	359	48
13/12/23 09:20	21.201	32.549	53.750	1.084			1.0	8	49
13/12/23 09:25	12.565	28.880	41.445	1.010			0.9	355	56
13/12/23 09:30	7.068	24.784	31.852	0.936			1.3	6	37
13/12/23 09:35	29.864	29.025	58.889	0.926			1.2	49	44
13/12/23 09:40	17.461	24.481	41.943	0.854			1.3	72	24
13/12/23 09:45	28.424	27.708	56.132	0.854			1.4	58	27
13/12/23 09:50	13.290	16.789	30.078	0.864			1.5	48	26
13/12/23 09:55	6.676	15.939	22.615	0.828			1.9	46	25
13/12/23 10:00	37.555	23.930	61.484	0.852			1.5	50	29
13/12/23 10:05	12.249	21.549	33.798	0.795			2.1	60	23
13/12/23 10:10	8.465	21.745	30.210	0.829			1.3	41	29
13/12/23 10:15	7.569	18.623	26.192	0.826			1.9	45	24
13/12/23 10:20	7.817	21.488	29.306	0.825			1.6	53	28
13/12/23 10:25	8.900	23.930	32.830	0.753			1.3	49	17
13/12/23 10:30	26.239	34.136	60.375	0.671			1.2	44	27
13/12/23 10:35	15.145	26.062	41.207	0.740			0.8	49	49
13/12/23 10:40	8.354	20.850	29.204	0.735			0.7	345	58
13/12/23 10:45	6.505	21.405	27.910	0.699			1.2	314	43
13/12/23 10:50	5.927	21.588	27.515	0.737			1.1	327	40
13/12/23 10:55	4.816	19.219	24.035	0.793			1.9	308	18
13/12/23 11:00	4.050	20.157	24.207	0.798			2.0	346	33
13/12/23 11:05	3.435	18.279	21.714	0.747			1.4	321	47
13/12/23 11:10	2.875	14.865	17.740	0.704			0.8	25	64
13/12/23 11:15	2.576	17.854	20.430	0.746			1.8	60	28
13/12/23 11:20	3.018	14.745	17.764	0.785			3.0	74	15
13/12/23 11:25	2.477	13.272	15.749	0.768			1.3	47	33
13/12/23 11:30	2.596	16.913	19.510	0.736			1.4	51	31
13/12/23 11:35	3.336	14.214	17.550	0.719			1.8	40	29
13/12/23 11:40	2.796	10.302	13.098	0.665			1.8	333	46
13/12/23 11:45	2.423	10.951	13.374	0.674			1.8	11	46
13/12/23 11:50	2.200	13.505	15.705	0.598			1.6	351	34
13/12/23 11:55	2.294	18.929	21.223	0.590			1.8	17	40
13/12/23 12:00	2.097	18.537	20.634	0.556			1.7	345	40
13/12/23 12:05	1.829	18.222	20.051	0.551			2.2	316	25
13/12/23 12:10	1.965	18.043	20.008	0.542			1.9	332	37
13/12/23 12:15	2.183	17.918	20.101	0.574			1.2	355	43
13/12/23 12:20	2.686	18.224	20.910	0.573			1.4	9	40

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
13/12/23 12:25	2.998	17.913	20.911	0.584			1.3	332	46
13/12/23 12:30	3.477	18.023	21.501	0.484			1.1	3	55
13/12/23 12:35	4.160	16.760	20.919	0.499			2.1	351	42
13/12/23 12:40	3.724	12.929	16.654	0.495			2.5	13	37
13/12/23 12:45	3.340	9.084	12.424	0.501			1.2	348	47
13/12/23 12:50	3.276	10.686	13.961	0.484			1.8	39	38
13/12/23 12:55	3.207	12.421	15.627	0.437			2.2	352	44
13/12/23 13:00	2.939	12.674	15.613	0.418			2.4	20	37
13/12/23 13:05	2.990	13.237	16.227	0.398			2.7	15	31
13/12/23 13:10	2.911	12.113	15.023	0.359			3.0	32	29
13/12/23 13:15	2.476	12.185	14.661	0.311			2.0	36	39
13/12/23 13:20	2.683	10.489	13.172	0.277			3.8	35	24
13/12/23 13:25	2.650	9.273	11.923	0.327			3.8	43	25
13/12/23 13:30	2.422	9.243	11.666	0.291			2.4	19	34
13/12/23 13:35	2.513	11.574	14.087	0.311			2.1	16	30
13/12/23 13:40	2.445	12.806	15.251	0.296			2.9	15	28
13/12/23 13:45	2.177	13.450	15.627	0.331			2.1	15	39
13/12/23 13:50	2.248	13.862	16.110	0.373			1.8	21	35
13/12/23 13:55	1.884	12.668	14.552	0.446			2.3	12	31
13/12/23 14:00	1.704	13.075	14.779	0.444			2.5	9	30
13/12/23 14:05	1.960	13.397	15.357	0.373			3.3	17	29
13/12/23 14:10	2.110	12.619	14.730	0.299			2.5	358	39
13/12/23 14:15	2.501	14.646	17.147	0.375			2.1	33	33
13/12/23 14:20	2.653	15.254	17.906	0.347			2.4	41	30
13/12/23 14:25	2.406	12.759	15.165	0.347			3.5	61	26
13/12/23 14:30	2.546	15.411	17.958	0.334			3.5	67	24
13/12/23 14:35	2.100	6.825	8.925	0.327			3.0	60	22
13/12/23 14:40	1.451	8.643	10.094	0.362			3.7	52	23
13/12/23 14:45	1.560	9.319	10.879	0.289			3.3	63	24
13/12/23 14:50	1.523	9.103	10.626	0.165			2.8	55	28
13/12/23 14:55	1.618	9.442	11.060	0.185			2.8	44	27
13/12/23 15:00	1.742	9.609	11.350	0.221			3.6	29	26
13/12/23 15:05	1.731	6.639	8.370	0.269			3.5	19	30
13/12/23 15:10	1.651	6.855	8.506	0.250			3.4	26	28
13/12/23 15:15	1.742	7.384	9.127	0.272			3.5	29	35
13/12/23 15:20	1.692	7.146	8.838	0.320			3.0	25	36
13/12/23 15:25	1.637	7.341	8.978	0.244			2.5	20	35
13/12/23 15:30	1.567	7.365	8.932	0.229			2.9	26	31
13/12/23 15:35	1.400	7.092	8.492	0.220			3.2	17	35
13/12/23 15:40	1.233	6.978	8.212	0.198			3.0	36	30
13/12/23 15:45	1.187	6.898	8.084	0.188			2.9	4	34
13/12/23 15:50	1.268	7.163	8.431	0.273			2.7	6	33
13/12/23 15:55	1.431	8.427	9.858	0.276			2.1	24	34
13/12/23 16:00	1.512	9.000	10.513	0.260			1.8	33	34
13/12/23 16:05	1.322	8.596	9.918	0.246			1.5	26	34
13/12/23 16:10	1.119	9.502	10.621	0.345			1.7	344	45
13/12/23 16:15	1.007	10.782	11.790	0.422			2.2	1	44
13/12/23 16:20	0.950	11.306	12.256	0.478			2.5	8	40
13/12/23 16:25	0.976	11.049	12.026	0.544			3.0	316	34
13/12/23 16:30	0.983	10.778	11.761	0.538			2.2	309	28
13/12/23 16:35	1.013	11.098	12.111	0.522			2.6	305	28
13/12/23 16:40	0.968	10.136	11.103	0.408			2.2	308	35
13/12/23 16:45	1.167	11.025	12.191	0.378			2.5	313	26
13/12/23 16:50	1.373	12.371	13.744	0.405			2.0	315	37
13/12/23 16:55	1.539	12.410	13.948	0.425			2.4	358	46
13/12/23 17:00	1.599	11.768	13.367	0.410			1.2	348	53
13/12/23 17:05	1.659	11.322	12.981	0.471			1.5	330	48
13/12/23 17:10	1.699	11.058	12.757	0.497			2.1	342	48
13/12/23 17:15	1.464	9.765	11.229	0.469			2.1	332	38
13/12/23 17:20	1.386	9.227	10.613	0.429			2.4	323	33
13/12/23 17:25	1.498	9.681	11.179	0.363			1.7	300	47
13/12/23 17:30	1.584	9.779	11.363	0.349			3.0	305	29
13/12/23 17:35	1.450	7.558	9.008	0.355			3.6	285	26
13/12/23 17:40	1.179	4.751	5.930	0.314			3.4	292	25
13/12/23 17:45	1.119	3.978	5.098	0.278			3.3	302	23
13/12/23 17:50	0.896	4.180	5.077	0.231			3.4	294	26
13/12/23 17:55	0.764	4.095	4.859	0.211			3.7	283	27
13/12/23 18:00	0.722	3.812	4.534	0.280			3.3	293	30
13/12/23 18:05	0.557	3.702	4.258	0.256			4.1	284	25
13/12/23 18:10	0.450	3.585	4.035	0.277			3.1	292	24
13/12/23 18:15	0.373	3.609	3.982	0.257			3.9	269	18
13/12/23 18:20	0.271	3.869	4.139	0.252			3.0	246	15
13/12/23 18:25	0.333	3.835	4.168	0.183			3.3	240	13
13/12/23 18:30	0.358	5.088	5.447	0.192			2.7	237	15
13/12/23 18:35	0.404	5.084	5.489	0.226			2.9	233	10
13/12/23 18:40	0.395	3.595	3.989	0.270			3.5	235	11
13/12/23 18:45	0.287	3.037	3.324	0.253			1.7	231	16
13/12/23 18:50	0.273	2.920	3.193	0.298			2.5	232	13
13/12/23 18:55	0.136	3.057	3.193	0.316			1.8	238	19
13/12/23 19:00	0.020	2.900	2.920	0.356			2.2	232	09
13/12/23 19:05	0.123	5.278	5.402	0.380			2.3	231	11
13/12/23 19:10	0.111	5.450	5.561	0.369			2.6	224	12
13/12/23 19:15	0.041	6.437	6.478	0.336			2.8	229	07
13/12/23 19:20	-0.051	6.633	6.583	0.315			2.4	232	07
13/12/23 19:25	-0.026	6.658	6.632	0.282			2.8	226	09
13/12/23 19:30	-0.020	6.308	6.288	0.255			2.5	230	07
13/12/23 19:35	0.038	5.947	5.985	0.253			1.6	233	14
13/12/23 19:40	0.119	4.136	4.255	0.177			1.0	234	20
13/12/23 19:45	0.181	3.391	3.572	0.079			1.6	237	11
13/12/23 19:50	0.244	3.427	3.671	0.118			1.3	234	17
13/12/23 19:55	0.198	3.140	3.338	0.087			0.9	237	16
13/12/23 20:00	0.125	3.010	3.135	0.013			1.3	239	11
13/12/23 20:05	-0.004	3.106	3.102	0.052			0.6	237	31
13/12/23 20:10	0.089	6.059	6.148	0.040			1.1	239	23
13/12/23 20:15	0.182	6.492	6.674	0.088			1.4	235	11
13/12/23 20:20	0.138	8.486	8.624	0.095			1.7	236	05
13/12/23 20:25	-0.068	6.545	6.477	0.176			1.1	245	18
13/12/23 20:30	-0.095	3.742	3.648	0.222			2.0	247	16
13/12/23 20:35	-0.155	2.620	2.465	0.221			1.6	234	16
13/12/23 20:40	-0.220	2.128	1.908	0.190			1.2	240	33
13/12/23 20:45	-0.234	1.895	1.661	0.152			1.8	248	18
13/12/23 20:50	-0.181	1.825	1.644	0.169			2.9	253	12
13/12/23 20:55	-0.190	2.006	1.815	0.174			3.5	253	14
13/12/23 21:00	-0.029	2.461	2.431	0.135			3.4	253	11
13/12/23 21:05	0.010	2.598	2.608	0.154			3.8	252	11
13/12/23 21:10	-0.085	2.395	2.310	0.119			2.5	243	14

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
13/12/23 21:15	-0.149	2.117	1.967	0.041			2.1	233	15
13/12/23 21:20	-0.156	1.858	1.702	0.029			1.8	237	21
13/12/23 21:25	-0.090	1.665	1.576	0.063			2.8	235	10
13/12/23 21:30	-0.053	1.485	1.432	0.102			2.7	234	09
13/12/23 21:35	0.031	1.259	1.291	0.134			3.0	232	10
13/12/23 21:40	0.128	1.067	1.195	0.184			3.1	233	10
13/12/23 21:45	0.230	0.957	1.187	0.198			2.2	236	18
13/12/23 21:50	0.157	1.103	1.259	0.181			2.8	250	12
13/12/23 21:55	0.115	1.203	1.318	0.197			2.2	251	17
13/12/23 22:00	0.107	1.382	1.489	0.203			2.2	252	16
13/12/23 22:05	0.126	1.404	1.530	0.223			2.3	251	13
13/12/23 22:10	0.124	1.487	1.611	0.237			2.3	254	17
13/12/23 22:15	0.122	1.613	1.736	0.222			2.3	252	14
13/12/23 22:20	0.057	1.607	1.664	0.197			1.7	247	18
13/12/23 22:25	-0.007	1.585	1.578	0.170			1.9	248	23
13/12/23 22:30	0.025	1.494	1.519	0.241			1.7	248	16
13/12/23 22:35	0.080	2.085	2.165	0.262			1.2	243	24
13/12/23 22:40	0.738	3.148	3.886	0.279			1.3	248	17
13/12/23 22:45	0.624	0.789	1.413	0.246			1.4	245	20
13/12/23 22:50	0.488	1.151	1.639	0.248			2.6	254	14
13/12/23 22:55	0.503	2.977	3.481	0.299			2.8	259	14
13/12/23 23:00	0.592	5.163	5.755	0.370			1.8	257	17
13/12/23 23:05	0.405	4.644	5.049	0.365			2.1	257	15
13/12/23 23:10	0.332	4.893	5.225	0.379			2.3	264	14
13/12/23 23:15	0.411	5.807	6.219	0.284			3.0	266	10
13/12/23 23:20	0.329	2.142	2.471	0.239			2.8	262	13
13/12/23 23:25	0.354	4.597	4.951	0.225			2.2	262	13
13/12/23 23:30	0.281	3.509	3.790	0.230			2.4	270	19
13/12/23 23:35	0.167	2.536	2.703	0.180			1.8	271	16
13/12/23 23:40	0.071	2.391	2.462	0.219			1.1	265	26
13/12/23 23:45	0.054	2.606	2.660	0.181			1.7	266	19
13/12/23 23:50	-0.059	2.580	2.521				1.7	264	17
13/12/23 23:55	-0.053	2.722	2.669				1.3	256	21
14/12/23 00:00	-0.034	2.766	2.732				1.8	259	16
14/12/23 00:05	0.017	2.862	2.880	0.140			1.3	270	18
14/12/23 00:10	0.079	3.146	3.225	0.086			1.0	268	27
14/12/23 00:15	0.071	4.020	4.091	0.153			0.7	281	31
14/12/23 00:20	0.104	5.072	5.177	0.179			0.5	316	43
14/12/23 00:25	0.188	6.726	6.914	0.093			0.4	31	62
14/12/23 00:30	0.268	8.312	8.580	0.048			1.0	16	25
14/12/23 00:35	0.224	8.459	8.682	0.072			0.8	28	28
14/12/23 00:40	0.192	8.390	8.582	0.051			0.7	354	33
14/12/23 00:45	0.231	8.198	8.429	0.013			0.3	349	57
14/12/23 00:50	0.250	8.854	9.104	0.004			0.3	1	41
14/12/23 00:55	0.343	10.380	10.722	0.069			0.3	54	45
14/12/23 01:00	0.789	14.146	14.934	0.114			0.3	50	39
14/12/23 01:05							0.3	24	30
14/12/23 01:10							0.7	24	15
14/12/23 01:15							0.7	30	20
14/12/23 01:20							0.5	51	21
14/12/23 01:25							0.5	52	12
14/12/23 01:30							0.5	67	22
14/12/23 01:35							0.5	40	21
14/12/23 01:40							0.7	32	16
14/12/23 01:45							0.5	22	23
14/12/23 01:50							0.4	79	21
14/12/23 01:55							0.6	87	13
14/12/23 02:00							0.8	83	13
14/12/23 02:05	3.425	20.332	23.757	0.187			0.4	63	23
14/12/23 02:10	3.221	19.280	22.500	0.126			0.7	13	41
14/12/23 02:15	2.553	16.060	18.613	0.049			0.5	355	49
14/12/23 02:20	2.033	15.273	17.305	0.101			0.4	347	40
14/12/23 02:25	1.662	15.621	17.283	0.158			0.7	31	09
14/12/23 02:30	1.534	16.398	17.933	0.203			0.7	27	17
14/12/23 02:35	1.654	17.001	18.655	0.225			0.5	53	22
14/12/23 02:40	2.475	17.883	20.357	0.213			0.4	78	18
14/12/23 02:45	3.498	19.497	22.996	0.195			0.2	60	50
14/12/23 02:50	3.869	19.459	23.328	0.168			0.1	61	66
14/12/23 02:55	3.593	17.937	21.530	0.209			0.3	341	27
14/12/23 03:00	3.201	16.758	19.959	0.247			0.5	295	18
14/12/23 03:05	2.931	16.806	19.737	0.245			0.3	295	36
14/12/23 03:10	4.266	17.593	21.860	0.201			0.6	320	38
14/12/23 03:15	6.751	18.069	24.821	0.277			0.7	335	35
14/12/23 03:20	7.821	18.316	26.137	0.283			0.9	320	19
14/12/23 03:25	12.970	17.975	30.945	0.332			0.2	22	52
14/12/23 03:30	11.841	18.139	29.980	0.344			0.4	318	40
14/12/23 03:35	10.218	18.381	28.599	0.257			0.4	322	33
14/12/23 03:40	5.337	18.180	23.517	0.189			0.5	328	31
14/12/23 03:45	13.082	19.409	32.491	0.224			0.9	302	20
14/12/23 03:50	20.499	19.611	40.110	0.247			0.9	314	22
14/12/23 03:55	19.422	20.583	40.005	0.257			1.7	286	24
14/12/23 04:00	13.721	21.268	34.989	0.250			0.6	11	69
14/12/23 04:05	8.762	15.519	24.281	0.297			1.6	278	25
14/12/23 04:10	4.927	15.432	20.359	0.272			1.0	342	38
14/12/23 04:15	4.774	15.055	19.829	0.271			0.7	7	52
14/12/23 04:20	3.641	15.739	19.380	0.305			1.7	294	18
14/12/23 04:25	2.837	16.037	18.875	0.246			0.9	286	30
14/12/23 04:30	2.746	16.418	19.164	0.227			1.3	327	35
14/12/23 04:35	2.415	16.129	18.544	0.262			2.9	312	14
14/12/23 04:40	1.943	14.477	16.420	0.252			2.9	314	15
14/12/23 04:45	1.477	12.047	13.524	0.250			2.2	313	17
14/12/23 04:50	1.091	10.678	11.769	0.245			1.5	289	29
14/12/23 04:55	1.099	10.817	11.916	0.160			2.0	294	26
14/12/23 05:00	3.868	23.903	27.771	0.231			1.8	280	22
14/12/23 05:05	16.127	22.816	38.943	0.385			1.9	276	27
14/12/23 05:10	13.957	22.352	36.309	0.454			1.9	267	21
14/12/23 05:15	7.206	18.573	25.779	0.443			2.1	268	19
14/12/23 05:20	6.675	18.187	24.863	0.474			2.1	267	23
14/12/23 05:25	7.255	18.366	25.621	0.474			2.4	266	16
14/12/23 05:30	8.224	18.930	27.155	0.493			3.5	268	10
14/12/23 05:35	8.939	19.002	27.940	0.490			4.1	269	10
14/12/23 05:40	13.942	28.607	42.549	0.578			4.7	268	08
14/12/23 05:45	9.093	18.124	27.216	0.530			4.5	268	07
14/12/23 05:50	5.558	12.732	18.290	0.528			4.4	263	09
14/12/23 05:55	3.825	9.482	13.307	0.518			3.7	263	11
14/12/23 06:00	3.256	8.034	11.290	0.440			3.7	261	11

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/12/23 06:05	3.011	7.886	10.897	0.393			4.0	264	12
14/12/23 06:10	2.945	7.655	10.600	0.433			3.9	263	10
14/12/23 06:15	3.593	9.165	12.758	0.502			4.1	268	07
14/12/23 06:20	4.764	13.540	18.304	0.440			4.3	266	07
14/12/23 06:25	5.311	12.916	18.227	0.383			4.0	267	11
14/12/23 06:30	5.684	11.560	17.244	0.356			2.6	275	23
14/12/23 06:35	5.828	10.121	15.949	0.420			5.0	268	12
14/12/23 06:40	5.481	8.402	13.883	0.423			5.7	268	07
14/12/23 06:45	4.967	7.882	12.849	0.392			4.8	266	14
14/12/23 06:50	4.891	8.518	13.409	0.391			2.8	276	22
14/12/23 06:55	5.135	9.794	14.929	0.374			2.3	269	23
14/12/23 07:00	6.120	14.927	21.047	0.296			2.5	262	20
14/12/23 07:05	6.695	13.702	20.397	0.293			2.6	258	15
14/12/23 07:10	5.040	7.579	12.619	0.283			4.3	261	10
14/12/23 07:15	2.026	3.863	5.889	0.272			4.5	266	08
14/12/23 07:20	1.678	7.387	9.066	0.276			2.3	256	13
14/12/23 07:25	3.722	15.721	19.444	0.307			2.3	256	13
14/12/23 07:30	10.448	20.819	31.267	0.385			2.8	258	15
14/12/23 07:35	5.087	12.808	17.894	0.352			3.1	254	13
14/12/23 07:40	3.804	9.275	13.078	0.416			4.2	259	11
14/12/23 07:45	2.129	2.355	4.483	0.415			4.4	265	09
14/12/23 07:50	1.611	4.182	5.793	0.313			4.2	269	15
14/12/23 07:55	1.482	5.310	6.792	0.209			3.9	263	11
14/12/23 08:00	1.400	5.613	7.013	0.212			3.3	266	11
14/12/23 08:05	1.435	5.894	7.329	0.195			5.2	264	09
14/12/23 08:10	1.171	5.365	6.536	0.214			5.5	266	09
14/12/23 08:15	1.223	5.257	6.480	0.227			4.1	265	13
14/12/23 08:20	1.446	5.428	6.873	0.168			4.4	268	11
14/12/23 08:25	1.634	5.441	7.075	0.131			4.5	265	09
14/12/23 08:30	1.703	5.426	7.128	0.145			2.9	270	20
14/12/23 08:35	1.620	5.385	7.006	0.155			4.3	269	14
14/12/23 08:40	1.734	5.311	7.044	0.219			4.3	267	09
14/12/23 08:45	1.642	5.163	6.805	0.231			5.3	267	09
14/12/23 08:50	1.488	4.855	6.343	0.240			4.7	270	09
14/12/23 08:55	1.614	5.038	6.652	0.198			2.4	270	18
14/12/23 09:00	1.941	5.289	7.231	0.250			3.0	267	13
14/12/23 09:05	2.001	5.227	7.227	0.237			3.4	267	12
14/12/23 09:10	1.978	5.116	7.094	0.249			2.8	264	15
14/12/23 09:15	1.835	4.954	6.789	0.267			2.9	265	13
14/12/23 09:20	1.801	5.129	6.930	0.270			3.7	268	10
14/12/23 09:25	2.068	5.715	7.783	0.289			4.0	267	10
14/12/23 09:30	3.241	9.244	12.484	0.276			2.8	267	15
14/12/23 09:35	4.923	14.468	19.391	0.335			3.0	268	20
14/12/23 09:40	5.198	8.256	13.454	0.385			3.0	296	25
14/12/23 09:45	4.570	7.879	12.449	0.512			4.0	267	12
14/12/23 09:50	3.296	5.626	8.922	0.507			3.7	265	13
14/12/23 09:55	3.238	5.298	8.536	0.438			4.5	267	10
14/12/23 10:00	2.988	4.925	7.913	0.369			4.0	262	07
14/12/23 10:05	2.426	4.532	6.958	0.299			4.3	262	11
14/12/23 10:10	1.833	3.545	5.377	0.256			3.8	263	09
14/12/23 10:15	1.681	3.518	5.199	0.299			2.8	261	10
14/12/23 10:20	2.350	4.902	7.252	0.323			1.9	256	15
14/12/23 10:25	2.692	6.836	9.528	0.212			1.8	256	15
14/12/23 10:30	3.277	7.260	10.537	0.151			2.5	258	16
14/12/23 10:35	2.894	2.914	5.809	0.132			2.3	266	17
14/12/23 10:40	2.755	2.928	5.683	0.117			3.2	264	10
14/12/23 10:45	2.197	3.628	5.825	0.069			3.7	267	08
14/12/23 10:50	1.688	3.621	5.309	0.113			2.5	262	12
14/12/23 10:55	1.711	4.287	5.998	0.110			2.9	265	11
14/12/23 11:00	1.485	3.849	5.334	0.081			2.0	260	14
14/12/23 11:05	1.588	5.394	6.982	0.100			1.6	263	21
14/12/23 11:10	1.915	7.491	9.407	0.182			2.6	262	15
14/12/23 11:15	1.884	5.826	7.710	0.230			4.4	266	06
14/12/23 11:20	1.735	3.827	5.562	0.279			4.3	265	11
14/12/23 11:25	1.465	3.198	4.662	0.177			3.6	260	10
14/12/23 11:30	1.319	3.273	4.592	0.038			5.3	268	06
14/12/23 11:35	1.392	3.484	4.876	0.061			4.6	267	09
14/12/23 11:40	1.410	3.481	4.890	0.125			4.3	268	10
14/12/23 11:45	1.468	3.491	4.959	0.145			4.7	265	12
14/12/23 11:50	1.577	3.345	4.922	0.133			4.9	263	09
14/12/23 11:55	1.734	3.414	5.148	0.156			4.5	264	08
14/12/23 12:00	1.982	3.547	5.530	0.139			3.6	270	20
14/12/23 12:05	1.961	3.282	5.243	0.094			5.7	268	07
14/12/23 12:10	1.855	3.044	4.899	0.106			3.8	262	12
14/12/23 12:15	2.002	3.118	5.119	0.199			2.8	267	25
14/12/23 12:20	1.914	3.125	5.040	0.230			3.7	267	13
14/12/23 12:25	1.902	3.140	5.042	0.114			3.8	260	10
14/12/23 12:30	1.911	3.257	5.168	0.124			4.4	268	14
14/12/23 12:35	2.137	3.740	5.877	0.143			4.1	267	10
14/12/23 12:40	2.086	3.759	5.846	0.106			3.7	262	08
14/12/23 12:45	2.049	4.227	6.276	0.075			3.5	266	13
14/12/23 12:50	2.103	4.135	6.238	0.034			5.2	265	09
14/12/23 12:55	1.879	3.293	5.172	-0.050			5.2	268	09
14/12/23 13:00	1.760	3.003	4.763	-0.083			3.0	274	19
14/12/23 13:05	1.619	3.129	4.748	-0.083			4.8	263	12
14/12/23 13:10	1.311	2.836	4.147	-0.134			4.4	267	11
14/12/23 13:15	1.131	2.615	3.746	-0.090			4.9	264	11
14/12/23 13:20	1.091	2.727	3.818	-0.120			4.2	267	13
14/12/23 13:25	1.084	3.019	4.102	-0.069			5.3	263	10
14/12/23 13:30	1.065	2.785	3.850	-0.039			3.8	261	08
14/12/23 13:35	1.332	3.024	4.356	-0.020			4.2	259	11
14/12/23 13:40	1.515	3.326	4.840	0.039			5.2	265	09
14/12/23 13:45	1.519	3.458	4.976	0.018			3.6	256	09
14/12/23 13:50	1.809	3.766	5.575	-0.047			5.1	263	10
14/12/23 13:55	1.554	3.442	4.996	-0.062			3.8	262	15
14/12/23 14:00	1.406	2.761	4.167	-0.126			4.1	258	11
14/12/23 14:05	1.974	3.831	5.804	-0.148			4.0	261	09
14/12/23 14:10	1.835	2.362	4.197	-0.100			5.6	266	08
14/12/23 14:15	1.670	1.890	3.561	-0.079			5.4	268	08
14/12/23 14:20	1.598	1.937	3.536	-0.056			5.2	265	08
14/12/23 14:25	1.443	2.033	3.476	-0.051			3.6	258	12
14/12/23 14:30	2.460	3.187	5.647	-0.059			3.8	255	14
14/12/23 14:35	2.211	4.047	6.257	-0.061			3.7	262	12
14/12/23 14:40	2.353	4.696	7.049	-0.010			3.7	257	11
14/12/23 14:45	1.857	4.391	6.248	0.033			3.6	254	12
14/12/23 14:50	1.654	4.278	5.932	-0.012			5.1	258	07

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/12/23 14:55	0.887	3.886	4.773	-0.038			5.4	264	09
14/12/23 15:00	0.798	3.763	4.561	-0.015			4.5	264	09
14/12/23 15:05	1.059	4.849	5.909	-0.012			4.6	256	09
14/12/23 15:10	1.169	4.845	6.014	-0.051			3.6	260	10
14/12/23 15:15	1.395	5.323	6.718	0.003			4.2	260	10
14/12/23 15:20	1.611	5.977	7.588	0.002			5.3	262	07
14/12/23 15:25	1.399	3.548	4.947	0.023			4.1	258	11
14/12/23 15:30	1.362	3.696	5.057	0.074			3.3	258	12
14/12/23 15:35	1.501	4.827	6.328	0.058			4.1	260	10
14/12/23 15:40	1.561	6.014	7.575	0.055			3.3	256	11
14/12/23 15:45	1.991	7.513	9.503	0.074			4.6	263	10
14/12/23 15:50	2.033	5.337	7.371	0.072			4.0	261	09
14/12/23 15:55	2.266	6.162	8.428	0.065			4.9	264	07
14/12/23 16:00	2.228	5.614	7.842	0.038			4.8	259	12
14/12/23 16:05	2.315	6.490	8.804	0.076			4.4	258	11
14/12/23 16:10	2.451	6.910	9.361	0.113			5.6	264	11
14/12/23 16:15	2.447	5.840	8.287	0.076			5.7	265	08
14/12/23 16:20	2.205	4.818	7.023	0.026			4.3	259	10
14/12/23 16:25	2.085	4.780	6.865	0.045			3.4	256	13
14/12/23 16:30	2.110	5.679	7.790	-0.001			4.5	259	07
14/12/23 16:35	1.785	1.632	3.417	0.000			4.9	260	06
14/12/23 16:40	1.354	1.243	2.597	0.028			5.1	262	07
14/12/23 16:45	1.266	6.677	7.943	0.036			5.0	262	08
14/12/23 16:50	1.140	5.025	6.165	0.121			3.9	267	14
14/12/23 16:55	1.225	5.383	6.608	0.109			5.0	264	09
14/12/23 17:00	1.222	4.211	5.433	0.040			5.4	266	07
14/12/23 17:05	1.144	3.942	5.086	0.053			4.3	268	13
14/12/23 17:10	1.099	4.521	5.619	0.031			4.4	264	10
14/12/23 17:15	1.226	5.089	6.316	0.092			5.3	267	08
14/12/23 17:20	1.532	5.750	7.282	0.124			6.1	268	07
14/12/23 17:25	2.478	9.488	11.966	0.115			4.8	264	10
14/12/23 17:30	2.871	6.084	8.955	0.075			4.7	260	11
14/12/23 17:35	2.703	7.626	10.329	0.060			4.9	260	09
14/12/23 17:40	4.113	12.562	16.675	0.095			4.1	259	11
14/12/23 17:45	3.853	5.327	9.180	0.117			3.5	255	11
14/12/23 17:50	1.261	2.794	4.055	0.099			2.5	249	14
14/12/23 17:55	0.462	1.668	2.130	0.054			3.0	249	13
14/12/23 18:00	0.460	1.782	2.242	-0.012			3.2	254	11
14/12/23 18:05	0.491	2.019	2.510	0.060			3.2	251	09
14/12/23 18:10	0.735	2.603	3.338	0.071			2.1	253	17
14/12/23 18:15	0.815	2.896	3.711	0.069			2.1	248	17
14/12/23 18:20	0.896	3.265	4.161	0.096			2.7	255	16
14/12/23 18:25	0.891	2.873	3.764	0.090			1.7	247	18
14/12/23 18:30	0.717	1.675	2.391	0.052			2.0	232	15
14/12/23 18:35	0.534	1.371	1.905	0.055			2.5	234	10
14/12/23 18:40	0.477	1.312	1.789	0.015			2.4	234	09
14/12/23 18:45	0.391	1.339	1.730	0.059			2.0	233	14
14/12/23 18:50	0.412	1.249	1.661	0.022			2.3	234	13
14/12/23 18:55	0.322	1.229	1.551	0.032			2.2	234	12
14/12/23 19:00	0.224	1.341	1.564	0.079			2.1	234	19
14/12/23 19:05	0.304	1.552	1.856	0.037			1.9	232	16
14/12/23 19:10	0.297	1.402	1.699	0.022			2.3	232	15
14/12/23 19:15	0.261	1.308	1.569	0.008			3.0	236	09
14/12/23 19:20	0.119	1.253	1.371	0.043			2.0	234	16
14/12/23 19:25	0.048	1.399	1.448	0.026			3.3	228	13
14/12/23 19:30	0.121	1.528	1.649	0.078			3.8	210	15
14/12/23 19:35	0.098	1.346	1.444	0.096			3.2	208	15
14/12/23 19:40	0.111	1.215	1.326	0.112			3.1	210	15
14/12/23 19:45	0.051	1.201	1.252	0.095			2.2	214	14
14/12/23 19:50	-0.018	1.137	1.119	0.137			2.9	209	13
14/12/23 19:55	-0.039	1.048	1.010	0.155			3.2	208	15
14/12/23 20:00	0.040	0.980	1.020	0.182			2.9	208	17
14/12/23 20:05	0.011	1.000	1.012	0.113			2.9	212	14
14/12/23 20:10	-0.016	0.908	0.893	0.094			2.2	214	17
14/12/23 20:15	-0.007	0.797	0.789	0.095			2.5	204	22
14/12/23 20:20	-0.019	0.795	0.776	0.005			2.4	213	16
14/12/23 20:25	-0.121	0.822	0.701	-0.047			2.5	210	16
14/12/23 20:30	-0.246	0.906	0.660	-0.042			2.3	214	15
14/12/23 20:35	-0.171	0.912	0.741	-0.024			3.0	218	12
14/12/23 20:40	-0.186	0.934	0.748	0.013			2.4	216	14
14/12/23 20:45	-0.234	0.863	0.628	-0.016			2.8	222	12
14/12/23 20:50	-0.195	0.953	0.757	-0.024			3.2	223	10
14/12/23 20:55	-0.041	1.521	1.480	-0.010			2.9	222	11
14/12/23 21:00	0.085	1.929	2.014	-0.037			2.1	233	14
14/12/23 21:05	0.201	1.879	2.080	-0.009			2.3	233	10
14/12/23 21:10	0.202	1.735	1.937	0.021			1.8	245	25
14/12/23 21:15	0.165	1.545	1.710	0.090			1.5	244	24
14/12/23 21:20	0.218	1.387	1.605	0.009			1.8	236	21
14/12/23 21:25	0.176	1.440	1.616	-0.026			2.8	252	17
14/12/23 21:30	0.177	1.568	1.745	-0.004			1.7	241	22
14/12/23 21:35	0.110	1.415	1.525	-0.035			1.7	244	18
14/12/23 21:40	0.045	1.273	1.318	0.001			2.3	248	16
14/12/23 21:45	-0.120	1.198	1.078	0.008			3.5	256	13
14/12/23 21:50	0.019	1.902	1.921	0.021			2.4	252	13
14/12/23 21:55	0.447	6.492	6.939	0.032			2.9	254	15
14/12/23 22:00	0.541	6.765	7.306	0.021			3.0	255	10
14/12/23 22:05	1.003	10.622	11.625	-0.011			2.2	258	19
14/12/23 22:10	1.147	8.196	9.343	0.012			2.4	254	14
14/12/23 22:15	1.319	8.199	9.518	0.045			2.3	262	13
14/12/23 22:20	1.536	9.690	11.227	0.103			2.2	259	12
14/12/23 22:25	1.720	10.630	12.350	0.103			2.6	264	12
14/12/23 22:30	1.753	11.045	12.798	0.037			2.3	260	14
14/12/23 22:35	1.786	11.276	13.062	0.071			1.3	257	17
14/12/23 22:40	1.603	9.944	11.547	0.108			1.5	254	18
14/12/23 22:45	1.415	8.824	10.238	0.105			1.6	256	16
14/12/23 22:50	1.213	5.762	6.975	0.052			2.1	263	14
14/12/23 22:55	1.114	4.651	5.766	-0.012			1.9	259	17
14/12/23 23:00	1.201	6.335	7.536	0.021			1.9	255	16
14/12/23 23:05	1.086	6.870	7.956	0.095			1.3	253	20
14/12/23 23:10	0.931	7.321	8.252	0.173			1.3	252	21
14/12/23 23:15	0.853	7.518	8.371	0.223			1.6	255	16
14/12/23 23:20	0.803	6.023	6.826	0.191			1.9	260	18
14/12/23 23:25	0.932	7.548	8.479	0.159			1.4	257	17
14/12/23 23:30	1.713	11.721	13.434	0.114			1.8	260	11
14/12/23 23:35	2.155	14.484	16.639	0.096			2.5	262	11
14/12/23 23:40	2.703	12.436	15.139	0.137			2.7	262	12

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/12/23 23:45	2.387	7.008	9.396	0.147			1.9	252	16
14/12/23 23:50	1.787	0.748	2.536				1.9	246	18
14/12/23 23:55	1.494	0.654	2.148				1.7	237	14
15/12/23 00:00	1.196	0.958	2.154				1.7	241	17
15/12/23 00:05	0.909	1.216	2.125	0.112			2.2	252	14
15/12/23 00:10	0.659	1.372	2.031	0.164			2.0	253	17
15/12/23 00:15	0.424	1.446	1.870	0.172			1.4	242	22
15/12/23 00:20	0.307	1.457	1.764	0.221			1.7	235	21
15/12/23 00:25	0.233	1.508	1.741	0.219			1.4	239	22
15/12/23 00:30	0.176	1.553	1.728	0.281			1.5	240	20
15/12/23 00:35	0.042	1.470	1.513	0.247			1.8	245	20
15/12/23 00:40	-0.041	1.443	1.402	0.295			1.7	251	19
15/12/23 00:45	-0.149	1.388	1.238	0.309			2.5	252	15
15/12/23 00:50	-0.127	1.330	1.203	0.232			2.0	253	16
15/12/23 00:55	-0.151	1.302	1.151	0.244			1.6	249	19
15/12/23 01:00	-0.083	1.258	1.175	0.246			1.3	233	24
15/12/23 01:05							1.8	242	18
15/12/23 01:10							1.5	244	23
15/12/23 01:15							2.1	252	15
15/12/23 01:20							2.5	249	15
15/12/23 01:25							1.8	242	26
15/12/23 01:30							2.4	247	17
15/12/23 01:35							1.9	241	19
15/12/23 01:40							2.1	246	16
15/12/23 01:45							2.0	238	18
15/12/23 01:50							1.9	233	18
15/12/23 01:55							2.0	229	12
15/12/23 02:00							2.0	253	17
15/12/23 02:05	0.108	1.460	1.568	0.180			2.0	247	18
15/12/23 02:10	0.008	1.378	1.385	0.159			2.5	252	15
15/12/23 02:15	0.053	1.274	1.328	0.094			2.4	250	13
15/12/23 02:20	0.057	1.195	1.251	0.046			2.9	250	12
15/12/23 02:25	0.029	1.113	1.142	0.109			2.4	249	16
15/12/23 02:30	-0.020	1.037	1.016	0.142			2.1	246	14
15/12/23 02:35	0.079	0.929	1.008	0.156			2.1	249	17
15/12/23 02:40	0.177	0.866	1.043	0.113			2.1	249	15
15/12/23 02:45	0.154	0.922	1.076	0.150			1.6	249	20
15/12/23 02:50	0.265	1.333	1.598	0.136			1.6	260	20
15/12/23 02:55	0.388	2.504	2.892	0.112			1.6	258	20
15/12/23 03:00	0.598	3.899	4.497	0.148			1.8	254	17
15/12/23 03:05	0.947	7.323	8.271	0.125			2.1	259	19
15/12/23 03:10	1.805	10.061	11.866	0.175			2.3	263	14
15/12/23 03:15	1.534	2.556	4.090	0.160			3.0	269	10
15/12/23 03:20	1.050	2.408	3.458	0.130			2.2	258	13
15/12/23 03:25	0.909	2.688	3.597	0.086			2.4	263	12
15/12/23 03:30	1.185	4.884	6.069	0.055			2.6	267	11
15/12/23 03:35	1.048	4.478	5.526	0.205			2.4	266	13
15/12/23 03:40	0.729	2.274	3.004	0.379			2.4	266	14
15/12/23 03:45	0.596	2.925	3.521	0.418			1.4	276	26
15/12/23 03:50	0.471	4.529	5.000	0.485			1.5	276	25
15/12/23 03:55	0.415	5.138	5.553	0.455			2.0	271	15
15/12/23 04:00	0.343	5.455	5.799	0.413			1.8	270	19
15/12/23 04:05	0.217	5.455	5.672	0.364			1.8	270	18
15/12/23 04:10	0.304	5.770	6.074	0.291			2.1	265	22
15/12/23 04:15	0.445	6.459	6.904	0.262			1.7	273	17
15/12/23 04:20	0.764	7.305	8.069	0.225			1.9	269	19
15/12/23 04:25	1.470	8.748	10.217	0.218			2.1	266	16
15/12/23 04:30	1.881	10.503	12.384	0.198			2.6	265	15
15/12/23 04:35	2.259	11.292	13.551	0.270			2.6	263	18
15/12/23 04:40	2.193	10.091	12.284	0.221			2.5	259	13
15/12/23 04:45	1.773	7.039	8.812	0.268			2.5	262	14
15/12/23 04:50	1.621	7.856	9.478	0.352			2.4	259	13
15/12/23 04:55	1.638	8.691	10.329	0.393			2.5	261	18
15/12/23 05:00	2.165	10.593	12.758	0.324			2.6	263	14
15/12/23 05:05	8.618	22.074	30.692	0.310			2.5	262	11
15/12/23 05:10	5.061	11.103	16.163	0.347			2.3	263	18
15/12/23 05:15	1.908	8.848	10.756	0.263			2.6	262	13
15/12/23 05:20	2.148	9.008	11.156	0.326			2.3	261	14
15/12/23 05:25	14.031	9.140	23.170	0.313			1.8	268	19
15/12/23 05:30	10.347	14.759	25.106	0.266			1.8	261	17
15/12/23 05:35	10.451	14.206	24.657	0.233			2.3	266	13
15/12/23 05:40	10.327	10.678	21.006	0.309			2.8	266	11
15/12/23 05:45	13.792	8.941	22.733	0.393			2.5	262	15
15/12/23 05:50	11.354	11.294	22.648	0.496			2.0	264	16
15/12/23 05:55	7.201	9.310	16.511	0.542			1.8	257	15
15/12/23 06:00	5.491	8.752	14.244	0.451			1.7	261	18
15/12/23 06:05	5.644	8.653	14.297	0.348			2.0	264	14
15/12/23 06:10	5.859	8.458	14.318	0.384			2.8	266	13
15/12/23 06:15	5.805	8.203	14.008	0.459			2.6	262	17
15/12/23 06:20	6.108	8.239	14.347	0.486			2.8	263	09
15/12/23 06:25	13.131	16.086	29.216	0.465			2.8	270	13
15/12/23 06:30	4.941	5.415	10.356	0.485			3.2	267	11
15/12/23 06:35	13.249	7.949	21.198	0.498			2.8	260	14
15/12/23 06:40	14.245	8.802	23.048	0.576			3.1	262	09
15/12/23 06:45	8.517	6.294	14.811	0.638			3.2	262	12
15/12/23 06:50	5.366	3.547	8.913	0.657			3.4	260	10
15/12/23 06:55	14.934	9.377	24.311	0.707			3.2	263	10
15/12/23 07:00	12.866	7.724	20.590	0.801			3.3	264	09
15/12/23 07:05	6.029	5.371	11.400	0.873			3.4	267	08
15/12/23 07:10	5.268	4.536	9.804	0.864			3.9	268	07
15/12/23 07:15	5.198	4.919	10.117	0.837			3.1	264	12
15/12/23 07:20	5.601	5.171	10.772	0.784			3.0	264	12
15/12/23 07:25	5.650	5.244	10.894	0.672			2.9	266	11
15/12/23 07:30	5.495	5.090	10.586	0.604			3.3	268	09
15/12/23 07:35	5.378	4.884	10.262	0.548			2.4	262	15
15/12/23 07:40	4.987	4.567	9.554	0.542			2.7	267	15
15/12/23 07:45	4.613	4.460	9.072	0.568			1.4	291	26
15/12/23 07:50	4.242	4.159	8.401	0.609			2.2	263	15
15/12/23 07:55	4.177	4.234	8.411	0.625			2.2	268	18
15/12/23 08:00	3.905	4.041	7.947	0.575			2.5	268	08
15/12/23 08:05	4.318	4.190	8.508	0.543			1.4	261	20
15/12/23 08:10	5.379	4.645	10.024	0.606			2.7	268	08
15/12/23 08:15	4.776	4.307	9.083	0.526			1.8	270	12
15/12/23 08:20	4.168	3.435	7.603	0.460			1.2	256	23
15/12/23 08:25	3.823	3.379	7.202	0.537			2.0	265	19
15/12/23 08:30	3.657	3.653	7.310	0.587			1.7	262	17

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
15/12/23 08:35	3.476	3.814	7.289	0.610			1.8	263	13
15/12/23 08:40	3.390	3.861	7.251	0.541			1.5	282	28
15/12/23 08:45	3.447	3.954	7.401	0.480			1.1	282	29
15/12/23 08:50	3.809	4.248	8.057	0.533			1.6	253	22
15/12/23 08:55	3.775	4.167	7.941	0.538			2.5	258	11
15/12/23 09:00	3.394	4.016	7.410	0.541			1.6	267	24
15/12/23 09:05	3.472	4.030	7.502	0.516			1.4	272	23
15/12/23 09:10	3.813	4.094	7.907	0.605			2.1	257	17
15/12/23 09:15	3.788	4.055	7.843	0.601			2.6	259	15
15/12/23 09:20	3.565	3.961	7.526	0.502			2.5	268	11
15/12/23 09:25	3.638	3.931	7.569	0.414			1.2	263	26
15/12/23 09:30	3.818	4.099	7.917	0.467			1.1	243	18
15/12/23 09:35	3.803	4.306	8.109	0.464			1.4	249	17
15/12/23 09:40	3.933	4.607	8.540	0.471			1.9	259	17
15/12/23 09:45	4.423	4.796	9.219	0.522			1.5	257	21
15/12/23 09:50	4.364	4.812	9.176	0.569			1.9	256	17
15/12/23 09:55	3.851	4.452	8.304	0.509			1.5	257	20
15/12/23 10:00	4.070	3.831	7.901	0.492			1.2	235	16
15/12/23 10:05	1.525	1.747	3.272	0.452			1.5	237	19
15/12/23 10:10	2.703	3.569	6.272	0.465			2.8	227	09
15/12/23 10:15	13.820	9.765	23.585	0.491			2.7	227	10
15/12/23 10:20	23.270	11.501	34.771	0.549			2.1	221	15
15/12/23 10:25	19.512	11.160	30.672	0.561			1.8	215	19
15/12/23 10:30	23.226	7.652	30.878	0.590			1.8	219	16
15/12/23 10:35	34.956	14.171	49.126	0.596			1.7	216	18
15/12/23 10:40	21.012	12.038	33.050	0.699			1.6	219	17
15/12/23 10:45	19.473	10.365	29.838	0.717			1.5	214	17
15/12/23 10:50	26.570	11.566	38.136	0.678			1.4	214	21
15/12/23 10:55	19.932	10.551	30.483	0.647			1.4	213	22
15/12/23 11:00	6.033	5.758	11.791	0.664			1.3	202	24
15/12/23 11:05	15.639	8.586	24.225	0.729			1.3	202	24
15/12/23 11:10	3.736	6.127	9.863	0.668			1.5	204	21
15/12/23 11:15	5.953	5.756	11.709	0.596			1.3	212	23
15/12/23 11:20	7.592	7.331	14.923	0.532			1.0	205	27
15/12/23 11:25	8.118	7.438	15.556	0.563			1.5	213	20
15/12/23 11:30	6.486	5.086	11.572	0.582			1.3	216	23
15/12/23 11:35	4.039	3.078	7.117	0.569			1.1	205	29
15/12/23 11:40	3.715	4.048	7.763	0.578			1.2	197	30
15/12/23 11:45	3.777	4.239	8.015	0.578			1.1	192	26
15/12/23 11:50	4.563	5.734	10.297	0.576			1.4	202	22
15/12/23 11:55	5.141	4.489	9.630	0.551			1.4	210	25
15/12/23 12:00	3.065	1.908	4.973	0.509			1.5	193	24
15/12/23 12:05	1.881	1.873	3.754	0.523			1.3	193	22
15/12/23 12:10	1.461	2.092	3.553	0.537			1.4	181	32
15/12/23 12:15	1.229	1.775	3.004	0.516			1.1	151	37
15/12/23 12:20	1.412	1.775	3.187	0.513			1.8	147	23
15/12/23 12:25	1.295	0.650	1.946	0.488			1.9	154	19
15/12/23 12:30	1.147	1.109	2.255	0.432			1.9	148	18
15/12/23 12:35	1.160	0.785	1.946	0.407			2.3	146	17
15/12/23 12:40	1.001	0.745	1.746	0.406			2.1	150	16
15/12/23 12:45	0.868	0.792	1.660	0.412			1.9	150	20
15/12/23 12:50	0.992	1.005	1.997	0.405			2.2	151	17
15/12/23 12:55	1.675	1.975	3.650	0.374			1.3	152	33
15/12/23 13:00	2.420	2.736	5.155	0.327			1.4	149	33
15/12/23 13:05	3.048	4.120	7.168	0.284			2.0	147	17
15/12/23 13:10	2.469	0.651	3.120	0.300			1.7	144	21
15/12/23 13:15	0.947	1.505	2.451	0.270			1.5	147	28
15/12/23 13:20	1.269	1.623	2.893	0.240			1.9	148	17
15/12/23 13:25	1.047	1.018	2.065	0.250			0.8	157	28
15/12/23 13:30	0.758	0.830	1.588	0.289			1.1	159	32
15/12/23 13:35	0.911	1.520	2.430	0.296			1.0	147	34
15/12/23 13:40	0.813	0.976	1.789	0.284			1.1	140	34
15/12/23 13:45	0.762	1.279	2.041	0.315			1.5	146	20
15/12/23 13:50	1.094	2.558	3.652	0.351			1.7	149	19
15/12/23 13:55	1.206	0.703	1.908	0.420			1.4	123	21
15/12/23 14:00	1.463	1.241	2.704	0.440			0.9	139	33
15/12/23 14:05	1.136	1.163	2.299	0.398			1.7	152	20
15/12/23 14:10	1.611	3.145	4.756	0.424			1.5	148	26
15/12/23 14:15	2.303	4.057	6.359	0.344			1.9	144	20
15/12/23 14:20	2.212	0.858	3.071	0.361			2.3	146	13
15/12/23 14:25	1.307	0.499	1.805	0.322			2.1	150	15
15/12/23 14:30	0.776	0.669	1.445	0.239			0.9	141	33
15/12/23 14:35	0.421	1.016	1.436	0.188			1.4	123	16
15/12/23 14:40	0.488	0.999	1.487	0.163			1.1	128	25
15/12/23 14:45	0.700	1.005	1.705	0.154			0.8	143	36
15/12/23 14:50	0.626	1.038	1.665	0.196			1.3	155	24
15/12/23 14:55	0.544	1.007	1.551	0.227			1.3	140	30
15/12/23 15:00	0.475	1.029	1.504	0.187			0.9	183	39
15/12/23 15:05	0.408	1.210	1.618	0.058			1.0	199	30
15/12/23 15:10	0.400	1.270	1.670	0.073			1.1	185	39
15/12/23 15:15	0.444	1.113	1.557	0.076			1.3	194	30
15/12/23 15:20	0.972	1.640	2.612	0.119			0.7	171	44
15/12/23 15:25	1.178	1.882	3.061	0.129			0.9	152	42
15/12/23 15:30	1.007	1.780	2.787	0.040			1.1	193	29
15/12/23 15:35	1.073	1.854	2.927	0.036			1.3	211	25
15/12/23 15:40	1.728	2.584	4.312	0.080			1.8	224	19
15/12/23 15:45	6.109	17.724	23.833	0.158			2.3	224	16
15/12/23 15:50	28.938	15.433	44.371	0.403			2.1	223	21
15/12/23 15:55	22.074	12.920	34.994	0.531			2.4	221	13
15/12/23 16:00	36.373	12.273	48.646	0.879			2.6	214	17
15/12/23 16:05	34.677	10.199	44.876	1.720			2.7	213	16
15/12/23 16:10	8.619	7.885	16.503	1.603			2.7	212	17
15/12/23 16:15	1.929	3.284	5.213	1.043			2.0	215	26
15/12/23 16:20	0.984	2.050	3.034	0.614			1.9	203	24
15/12/23 16:25	0.657	1.655	2.312	0.608			2.4	206	21
15/12/23 16:30	0.586	1.997	2.584	0.372			2.2	210	25
15/12/23 16:35	0.588	1.926	2.514	0.337			2.5	209	18
15/12/23 16:40	0.629	1.936	2.565	0.286			2.8	214	16
15/12/23 16:45	0.827	2.034	2.861	0.305			2.3	204	21
15/12/23 16:50	0.957	2.072	3.029	0.316			2.7	209	23
15/12/23 16:55	1.619	2.770	4.389	0.354			3.0	210	20
15/12/23 17:00	1.507	2.568	4.074	0.405			2.6	211	18
15/12/23 17:05	2.554	7.146	9.700	0.545			2.9	211	17
15/12/23 17:10	5.367	14.582	19.949	0.496			3.6	209	13
15/12/23 17:15	10.606	13.264	23.870	0.430			2.3	211	15
15/12/23 17:20	12.472	11.382	23.854	0.444			2.5	209	17

Station Pier Ambient Air Quality Monitoring
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
15/12/23 17:25	10.186	8.060	18.246	0.520			2.6	209	16
15/12/23 17:30	15.282	10.784	26.066	0.617			2.9	213	15
15/12/23 17:35	13.848	11.709	25.556	0.568			3.2	211	14
15/12/23 17:40	10.660	11.667	22.326	0.610			2.7	213	17
15/12/23 17:45	10.715	10.880	21.595	0.767			3.6	213	13
15/12/23 17:50	9.518	9.999	19.518	0.708			2.6	214	18
15/12/23 17:55	12.798	12.176	24.973	0.711			2.7	209	16
15/12/23 18:00	12.368	11.338	23.706	0.725			2.4	209	19
15/12/23 18:05	18.402	18.625	37.026	0.825			2.9	215	13
15/12/23 18:10	22.297	17.828	40.125	0.925			2.8	213	18
15/12/23 18:15	15.267	16.075	31.342	1.028			2.7	216	14
15/12/23 18:20	11.874	11.025	22.899	1.105			2.8	213	13
15/12/23 18:25	10.809	12.155	22.964	1.006			2.4	209	16
15/12/23 18:30	8.093	8.541	16.634	0.890			2.8	210	14
15/12/23 18:35	13.594	12.801	26.394	0.804			2.5	208	21
15/12/23 18:40	15.742	12.188	27.930	0.824			2.7	207	15
15/12/23 18:45	12.566	10.179	22.745	1.128			2.9	211	15
15/12/23 18:50	10.138	11.312	21.450	1.253			3.2	210	16
15/12/23 18:55	12.301	13.363	25.664	1.047			2.9	212	14
15/12/23 19:00	8.494	11.159	19.653	0.920			2.4	204	21
15/12/23 19:05	7.332	4.944	12.276	0.640			2.9	210	19
15/12/23 19:10	14.677	9.845	24.522	0.709			2.7	215	16
15/12/23 19:15	42.421	19.161	61.582	0.721			2.9	209	15
15/12/23 19:20	17.870	13.323	31.192	0.724			3.4	212	17
15/12/23 19:25	0.950	5.469	6.419	0.624			3.1	212	21
15/12/23 19:30	0.685	4.816	5.500	0.692			4.0	212	14
15/12/23 19:35	0.670	3.446	4.116	0.566			3.3	211	15
15/12/23 19:40	0.579	3.138	3.718	0.363			2.9	210	15
15/12/23 19:45	0.460	2.856	3.315	0.423			3.0	213	18
15/12/23 19:50	0.294	2.552	2.846	0.325			3.3	210	17
15/12/23 19:55	0.191	2.346	2.537	0.474			3.5	209	13
15/12/23 20:00	0.171	2.139	2.309	0.434			3.6	211	13
15/12/23 20:05	0.110	2.073	2.183	0.394			2.7	208	19
15/12/23 20:10	0.090	2.081	2.171	0.311			3.7	208	14
15/12/23 20:15	0.185	1.863	2.048	0.259			4.0	209	14
15/12/23 20:20	0.254	1.683	1.937	0.276			3.7	210	12
15/12/23 20:25	0.163	1.693	1.856	0.319			3.1	211	14
15/12/23 20:30	0.097	1.672	1.769	0.417			2.7	209	19
15/12/23 20:35	0.047	1.584	1.630	0.294			1.8	209	20
15/12/23 20:40	0.023	1.385	1.408	0.303			2.0	212	22
15/12/23 20:45	0.013	1.285	1.298	0.097			2.5	209	16
15/12/23 20:50	0.008	1.158	1.166	0.098			1.6	201	27
15/12/23 20:55	0.048	1.015	1.064	0.120			2.3	205	21
15/12/23 21:00	0.111	0.979	1.089	0.068			2.5	210	17
15/12/23 21:05	0.112	0.939	1.051	0.027			1.8	196	22
15/12/23 21:10	0.017	0.984	1.002	0.055			1.6	196	28
15/12/23 21:15	0.003	0.942	0.945	-0.014			1.5	167	40
15/12/23 21:20	-0.013	0.915	0.901	-0.162			1.4	184	40
15/12/23 21:25	0.016	0.810	0.826	0.016			1.8	201	24
15/12/23 21:30	0.063	0.722	0.786	0.033			1.1	191	43
15/12/23 21:35	0.151	0.656	0.807	0.079			1.4	204	29
15/12/23 21:40	0.148	0.562	0.711	0.059			1.7	211	19
15/12/23 21:45	0.152	0.540	0.692	0.030			1.9	211	20
15/12/23 21:50	0.206	0.521	0.727	-0.003			1.1	162	43
15/12/23 21:55	0.260	0.468	0.729	0.066			1.4	161	38
15/12/23 22:00	0.257	0.426	0.683	0.002			1.1	178	45
15/12/23 22:05	0.331	0.347	0.678	0.034			1.4	184	38
15/12/23 22:10	0.258	0.378	0.636	0.029			1.3	199	31
15/12/23 22:15	0.215	0.373	0.588	-0.026			1.3	157	36
15/12/23 22:20	0.268	0.352	0.620	-0.162			2.0	205	26
15/12/23 22:25	0.306	0.403	0.709	-0.196			1.3	194	33
15/12/23 22:30	0.226	0.449	0.675	-0.107			1.3	209	24
15/12/23 22:35	0.180	0.438	0.618	-0.112			1.2	200	24
15/12/23 22:40	0.113	0.374	0.488	-0.139			1.0	189	36
15/12/23 22:45	0.031	0.440	0.471	-0.163			1.7	140	25
15/12/23 22:50	-0.055	0.549	0.494	-0.240			1.4	154	33
15/12/23 22:55	-0.150	0.601	0.451	-0.264			1.3	155	29
15/12/23 23:00	-0.080	0.641	0.561	-0.229			1.7	150	23
15/12/23 23:05	-0.022	0.683	0.660	-0.165			1.4	153	27
15/12/23 23:10	-0.016	0.727	0.711	-0.205			1.6	152	28
15/12/23 23:15	0.007	0.763	0.769	-0.101			1.1	153	33
15/12/23 23:20	-0.084	0.774	0.690	0.002			1.7	145	22
15/12/23 23:25	-0.103	0.756	0.653	-0.030			1.4	149	24
15/12/23 23:30	-0.131	0.805	0.674	-0.004			1.1	132	30
15/12/23 23:35	-0.126	1.212	1.086	-0.057			1.3	128	12
15/12/23 23:40	-0.081	1.839	1.758	-0.093			0.7	129	39
15/12/23 23:45	-0.083	2.515	2.431	-0.047			1.4	126	17
15/12/23 23:50	0.012	2.878	2.890				1.1	121	20
15/12/23 23:55	-0.018	3.292	3.274				0.7	132	42
16/12/23 00:00	-0.098	3.821	3.723				0.9	160	32
16/12/23 00:05	-0.115	4.036	3.921	-0.137			2.3	218	27
16/12/23 00:10	-0.183	3.571	3.388	-0.118			2.5	229	09
16/12/23 00:15	-0.063	3.339	3.276	-0.055			1.7	235	14
16/12/23 00:20	0.013	3.316	3.329	-0.064			1.3	234	18
16/12/23 00:25	0.031	3.421	3.451	-0.031			2.3	257	15
16/12/23 00:30	0.275	3.968	4.243	0.007			2.0	248	18
16/12/23 00:35	0.252	4.006	4.257	0.099			3.1	259	12
16/12/23 00:40	0.770	5.921	6.691	0.153			2.4	258	13
16/12/23 00:45	1.602	11.446	13.049	0.144			2.3	262	14
16/12/23 00:50	1.975	10.667	12.642	0.147			1.7	252	18
16/12/23 00:55	1.623	4.513	6.136	0.088			2.7	254	15
16/12/23 01:00	1.248	1.678	2.926	0.157			2.4	256	14
16/12/23 01:05							2.9	255	10
16/12/23 01:10							3.0	258	10
16/12/23 01:15							3.1	258	15
16/12/23 01:20							2.3	252	19
16/12/23 01:25							2.6	248	14
16/12/23 01:30							2.6	253	13
16/12/23 01:35							1.9	244	21
16/12/23 01:40							2.7	254	17
16/12/23 01:45							2.4	248	18
16/12/23 01:50							2.8	252	13
16/12/23 01:55							3.1	253	11
16/12/23 02:00							2.1	248	18
16/12/23 02:05	0.506	0.981	1.487	0.100			2.5	252	10
16/12/23 02:10	0.414	0.991	1.405	0.081			1.8	244	23

Station Pier Ambient Air Quality Monitoring
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/12/23 02:15	0.200	0.982	1.182	0.029			1.7	245	20
16/12/23 02:20	0.786	2.249	3.035	0.165			1.8	241	23
16/12/23 02:25	0.674	2.375	3.049	0.127			2.6	257	16
16/12/23 02:30	0.803	5.861	6.664	0.069			2.9	255	12
16/12/23 02:35	1.215	4.273	5.487	-0.011			3.0	257	12
16/12/23 02:40	0.965	3.621	4.586	-0.087			2.6	255	15
16/12/23 02:45	1.023	4.606	5.629	0.037			3.0	260	13
16/12/23 02:50	1.765	10.615	12.381	0.138			2.8	257	15
16/12/23 02:55	2.080	8.255	10.335	0.102			3.2	262	13
16/12/23 03:00	1.584	3.183	4.767	0.138			2.7	261	12
16/12/23 03:05	1.175	3.662	4.837	0.072			3.1	265	09
16/12/23 03:10	0.946	4.295	5.241	0.144			3.5	263	11
16/12/23 03:15	0.861	4.584	5.446	0.213			3.3	260	11
16/12/23 03:20	0.726	4.522	5.247	0.272			4.4	265	08
16/12/23 03:25	0.647	4.371	5.018	0.332			4.5	265	10
16/12/23 03:30	0.668	4.798	5.466	0.392			3.5	261	12
16/12/23 03:35	1.346	6.706	8.052	0.284			3.9	262	09
16/12/23 03:40	1.296	6.821	8.117	0.245			3.8	262	11
16/12/23 03:45	1.132	6.991	8.122	0.215			3.7	263	15
16/12/23 03:50	0.930	6.114	7.045	0.208			4.3	266	10
16/12/23 03:55	0.663	5.667	6.330	0.158			4.3	267	09
16/12/23 04:00	0.639	6.054	6.693	0.196			3.7	265	14
16/12/23 04:05	0.623	5.994	6.617	0.275			4.4	267	09
16/12/23 04:10	0.604	5.276	5.880	0.216			3.1	262	18
16/12/23 04:15	0.495	4.789	5.283	0.204			3.0	264	19
16/12/23 04:20	0.349	4.612	4.961	0.227			3.6	265	08
16/12/23 04:25	0.372	4.467	4.840	0.217			3.5	262	11
16/12/23 04:30	0.468	4.913	5.380	0.163			3.8	264	11
16/12/23 04:35	0.377	4.813	5.190	0.143			2.7	267	15
16/12/23 04:40	0.367	4.997	5.365	0.141			2.9	267	14
16/12/23 04:45	0.545	5.593	6.138	0.026			2.2	264	21
16/12/23 04:50	0.559	6.263	6.822	0.033			2.2	272	23
16/12/23 04:55	0.585	6.622	7.207	0.077			1.9	306	22
16/12/23 05:00	0.605	7.090	7.695	0.104			1.5	277	29
16/12/23 05:05	1.044	8.445	9.489	0.148			2.3	278	23
16/12/23 05:10	1.593	11.187	12.780	0.131			1.8	300	24
16/12/23 05:15	2.852	19.205	22.057	0.250			2.0	296	23
16/12/23 05:20	4.579	21.741	26.320	0.382			1.8	285	27
16/12/23 05:25	6.222	19.468	25.690	0.578			1.8	290	29
16/12/23 05:30	9.302	17.406	26.708	0.671			2.3	289	25
16/12/23 05:35	11.405	16.224	27.629	0.728			1.9	300	22
16/12/23 05:40	10.862	16.448	27.310	0.667			1.5	297	27
16/12/23 05:45	10.154	16.408	26.562	0.670			1.8	295	23
16/12/23 05:50	9.684	16.091	25.775	0.653			2.1	309	15
16/12/23 05:55	9.597	15.762	25.358	0.717			1.6	299	23
16/12/23 06:00	9.928	15.631	25.560	0.695			2.1	315	11
16/12/23 06:05	9.420	15.255	24.675	0.605			2.1	288	24
16/12/23 06:10	8.157	13.078	21.235	0.601			2.4	280	22
16/12/23 06:15	6.608	7.445	14.053	0.631			2.4	286	22
16/12/23 06:20	5.091	7.368	12.459	0.559			2.2	293	26
16/12/23 06:25	4.415	7.667	12.082	0.569			2.3	294	21
16/12/23 06:30	4.412	7.993	12.406	0.556			2.2	290	23
16/12/23 06:35	4.647	8.398	13.045	0.557			2.0	293	27
16/12/23 06:40	5.425	9.288	14.713	0.695			2.1	278	22
16/12/23 06:45	6.005	9.638	15.644	0.720			2.2	289	26
16/12/23 06:50	6.465	9.651	16.116	0.685			1.8	290	28
16/12/23 06:55	7.138	10.662	17.799	0.693			3.1	278	26
16/12/23 07:00	7.025	9.792	16.817	0.630			2.3	291	26
16/12/23 07:05	7.109	9.067	16.176	0.657			3.1	303	24
16/12/23 07:10	6.765	7.412	14.177	0.689			2.7	262	18
16/12/23 07:15	5.989	5.353	11.342	0.662			3.0	273	21
16/12/23 07:20	5.448	4.917	10.365	0.531			3.9	269	14
16/12/23 07:25	5.039	4.737	9.775	0.566			3.2	268	14
16/12/23 07:30	4.829	4.644	9.473	0.552			3.0	269	20
16/12/23 07:35	4.678	4.405	9.082	0.509			2.8	276	25
16/12/23 07:40	4.043	4.066	8.109	0.470			4.0	267	14
16/12/23 07:45	3.473	3.869	7.342	0.372			4.2	265	11
16/12/23 07:50	3.030	3.624	6.654	0.311			3.7	262	13
16/12/23 07:55	3.031	3.706	6.737	0.243			4.2	270	14
16/12/23 08:00	2.963	3.629	6.592	0.307			4.3	266	11
16/12/23 08:05	2.827	3.572	6.399	0.233			3.1	277	25
16/12/23 08:10	2.610	3.504	6.114	0.240			4.9	266	11
16/12/23 08:15	2.521	3.349	5.870	0.111			3.8	272	17
16/12/23 08:20	2.173	3.152	5.325	0.126			4.7	266	12
16/12/23 08:25	1.993	2.957	4.951	0.165			4.3	263	11
16/12/23 08:30	2.099	2.913	5.013	0.220			3.6	267	21
16/12/23 08:35	2.034	2.755	4.789	0.269			5.0	269	11
16/12/23 08:40	1.786	2.505	4.291	0.162			5.1	267	10
16/12/23 08:45	1.642	2.315	3.957	0.027			4.8	262	11
16/12/23 08:50	1.507	2.178	3.685	0.043			5.3	268	09
16/12/23 08:55	1.388	2.138	3.526	0.126			5.2	267	08
16/12/23 09:00	1.424	2.134	3.558	0.190			4.3	268	11
16/12/23 09:05	1.861	2.145	4.005	0.128			4.4	268	13
16/12/23 09:10	1.901	1.985	3.886	0.097			4.4	264	13
16/12/23 09:15	1.685	1.899	3.584	0.027			4.5	266	11
16/12/23 09:20	1.495	1.965	3.460	-0.014			3.9	263	11
16/12/23 09:25	1.329	2.060	3.389	0.054			3.9	262	11
16/12/23 09:30	1.245	2.061	3.305	0.007			3.8	260	16
16/12/23 09:35	1.147	1.962	3.108	-0.057			3.6	261	11
16/12/23 09:40	1.138	2.029	3.167	0.061			3.8	260	11
16/12/23 09:45	1.194	2.274	3.467	0.079			3.8	264	11
16/12/23 09:50	1.341	2.335	3.675	0.109			3.6	269	17
16/12/23 09:55	1.297	2.217	3.515	0.184			4.2	270	18
16/12/23 10:00	1.343	2.125	3.467	0.262			2.6	262	13
16/12/23 10:05	1.325	2.128	3.453	0.271			2.5	262	14
16/12/23 10:10	1.383	2.202	3.585	0.212			1.8	277	31
16/12/23 10:15	1.416	2.294	3.710	0.167			2.7	251	16
16/12/23 10:20	1.359	2.259	3.618	0.133			2.5	258	17
16/12/23 10:25	1.281	2.108	3.390	0.208			4.0	259	12
16/12/23 10:30	1.267	2.040	3.307	0.169			4.4	267	09
16/12/23 10:35	1.275	2.094	3.369	0.129			4.7	262	12
16/12/23 10:40	1.076	1.988	3.065	0.168			3.4	258	11
16/12/23 10:45	0.857	1.898	2.755	0.124			4.3	266	09
16/12/23 10:50	0.915	1.989	2.904	0.111			3.6	259	14
16/12/23 10:55	0.974	2.216	3.190	0.117			4.4	262	09
16/12/23 11:00	1.012	2.391	3.403	0.068			4.7	267	11

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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/12/23 11:05	0.974	2.535	3.509	0.092			4.3	261	08
16/12/23 11:10	1.145	2.769	3.913	0.114			5.4	264	09
16/12/23 11:15	1.373	3.229	4.602	0.104			3.6	256	12
16/12/23 11:20	1.138	3.047	4.185	0.134			2.3	240	19
16/12/23 11:25	0.858	2.617	3.476	0.184			2.4	245	19
16/12/23 11:30	1.006	2.533	3.539	0.239			2.9	256	13
16/12/23 11:35	1.131	2.580	3.711	0.167			3.9	264	11
16/12/23 11:40	1.131	2.464	3.594	0.089			4.5	263	11
16/12/23 11:45	1.096	2.418	3.514	0.023			3.8	260	08
16/12/23 11:50	1.240	2.518	3.757	0.155			3.0	259	12
16/12/23 11:55	1.100	2.349	3.449	0.171			3.1	256	13
16/12/23 12:00	1.082	2.371	3.453	0.179			2.3	253	14
16/12/23 12:05	1.182	2.408	3.590	0.202			4.2	264	14
16/12/23 12:10	1.350	2.415	3.764	0.165			4.1	260	11
16/12/23 12:15	1.370	2.240	3.610	0.234			3.0	261	10
16/12/23 12:20	1.277	2.045	3.322	0.162			2.2	281	26
16/12/23 12:25	1.198	1.878	3.075	-0.028			3.0	265	12
16/12/23 12:30	1.099	1.787	2.886	-0.008			2.6	262	18
16/12/23 12:35	1.000	1.854	2.854	0.013			5.2	265	08
16/12/23 12:40	0.747	1.786	2.533	-0.062			4.1	266	17
16/12/23 12:45	0.673	1.794	2.468	-0.020			3.6	269	18
16/12/23 12:50	0.590	1.671	2.262	0.024			2.9	266	15
16/12/23 12:55	0.492	1.670	2.162	-0.012			3.2	262	16
16/12/23 13:00	0.581	1.804	2.385	-0.026			2.9	253	11
16/12/23 13:05	0.665	1.761	2.426	0.083			3.2	256	11
16/12/23 13:10	0.960	2.081	3.042	0.151			4.0	263	10
16/12/23 13:15	1.195	2.324	3.519	0.232			3.5	262	15
16/12/23 13:20	1.165	2.345	3.510	0.242			2.8	257	17
16/12/23 13:25	1.557	3.107	4.664	0.182			5.1	263	08
16/12/23 13:30	1.985	4.256	6.241	0.156			3.1	255	13
16/12/23 13:35	1.816	2.885	4.701	0.155			4.1	267	18
16/12/23 13:40	1.578	1.885	3.464	0.159			4.3	260	10
16/12/23 13:45	1.271	1.449	2.720	0.086			4.9	267	09
16/12/23 13:50	0.950	1.094	2.045	0.039			5.0	269	10
16/12/23 13:55	0.819	0.924	1.743	0.033			3.1	269	22
16/12/23 14:00	0.652	0.992	1.643	-0.064			3.8	264	15
16/12/23 14:05	0.656	1.166	1.822	0.047			3.3	257	14
16/12/23 14:10	1.032	1.496	2.528	0.050			3.8	263	13
16/12/23 14:15	1.201	1.877	3.078	0.074			4.7	261	11
16/12/23 14:20	1.280	2.231	3.510	0.180			3.7	259	09
16/12/23 14:25	1.126	2.355	3.481	0.159			4.0	256	10
16/12/23 14:30	1.270	2.514	3.784	0.175			4.2	257	10
16/12/23 14:35	1.480	2.660	4.140	0.151			4.3	260	12
16/12/23 14:40	1.541	2.689	4.229	0.106			5.2	265	08
16/12/23 14:45	1.290	2.629	3.919	0.016			3.1	254	13
16/12/23 14:50	1.146	2.698	3.844	0.057			3.8	260	11
16/12/23 14:55	1.357	3.151	4.508	0.170			3.6	252	11
16/12/23 15:00	1.636	3.273	4.909	0.196			3.8	263	12
16/12/23 15:05	1.475	2.705	4.181	0.122			3.2	260	13
16/12/23 15:10	1.923	2.781	4.704	0.096			2.1	244	17
16/12/23 15:15	3.020	2.704	5.724	0.187			3.1	252	13
16/12/23 15:20	1.759	3.654	5.413	0.131			2.0	235	17
16/12/23 15:25	3.605	8.978	12.583	0.096			2.8	232	11
16/12/23 15:30	20.087	14.461	34.548	0.149			2.5	230	10
16/12/23 15:35	36.022	13.703	49.725	0.259			2.5	216	15
16/12/23 15:40	5.837	4.234	10.071	0.259			3.0	216	13
16/12/23 15:45	5.387	7.654	13.041	0.212			2.6	214	17
16/12/23 15:50	8.733	7.765	16.498	0.225			1.9	206	20
16/12/23 15:55	4.498	3.333	7.831	0.230			1.5	207	25
16/12/23 16:00	3.503	3.076	6.579	0.208			2.4	214	14
16/12/23 16:05	3.655	3.748	7.403	0.160			2.2	215	15
16/12/23 16:10	3.911	4.409	8.321	0.146			2.2	212	18
16/12/23 16:15	4.138	9.619	13.757	0.174			1.9	220	13
16/12/23 16:20	13.375	20.645	34.020	0.185			2.2	211	16
16/12/23 16:25	14.830	7.972	22.802	0.175			2.7	212	19
16/12/23 16:30	3.775	2.947	6.723	0.180			3.5	214	14
16/12/23 16:35	2.694	2.027	4.721	0.236			2.1	202	28
16/12/23 16:40	1.974	1.097	3.071	0.211			1.7	192	31
16/12/23 16:45	1.891	1.325	3.216	0.181			2.0	195	26
16/12/23 16:50	2.013	1.643	3.656	0.204			1.1	175	49
16/12/23 16:55	1.878	1.515	3.393	0.147			1.4	190	34
16/12/23 17:00	1.458	2.214	3.672	0.217			1.9	201	23
16/12/23 17:05	-0.274	1.548	1.274	0.170			1.1	177	48
16/12/23 17:10	-0.008	0.921	0.913	0.198			1.0	148	48
16/12/23 17:15	0.184	0.816	1.001	0.188			1.5	187	34
16/12/23 17:20	0.239	0.715	0.955	0.195			1.3	167	46
16/12/23 17:25	0.155	0.679	0.833	0.135			1.4	182	36
16/12/23 17:30	0.170	0.779	0.949	0.174			1.7	166	40
16/12/23 17:35	0.392	1.392	1.784	0.160			1.8	150	37
16/12/23 17:40	0.391	1.725	2.116	0.169			1.6	186	33
16/12/23 17:45	0.244	1.636	1.880	0.129			1.3	198	34
16/12/23 17:50	0.121	1.315	1.435	0.136			1.7	192	28
16/12/23 17:55	0.088	1.084	1.172	0.132			1.0	192	41
16/12/23 18:00	0.142	1.044	1.187	0.133			2.4	210	20
16/12/23 18:05	0.091	0.927	1.017	0.135			1.6	189	26
16/12/23 18:10	0.152	0.745	0.897	0.083			1.5	195	33
16/12/23 18:15	0.059	0.709	0.767	0.062			1.5	190	39
16/12/23 18:20	-0.075	0.604	0.528	0.079			1.4	190	37
16/12/23 18:25	-0.058	0.508	0.449	0.017			1.5	172	39
16/12/23 18:30	0.015	0.539	0.555	0.020			1.4	185	33
16/12/23 18:35	0.039	0.527	0.566	0.000			1.3	179	42
16/12/23 18:40	0.037	0.473	0.510	0.007			1.4	170	41
16/12/23 18:45	-0.007	0.439	0.432	-0.032			1.8	154	34
16/12/23 18:50	0.100	0.558	0.658	-0.116			1.5	155	38
16/12/23 18:55	0.155	0.658	0.813	-0.079			1.5	153	31
16/12/23 19:00	0.251	0.612	0.863	-0.022			2.1	154	33
16/12/23 19:05	0.292	0.554	0.846	0.004			1.6	172	38
16/12/23 19:10	0.278	0.529	0.807	0.053			1.3	198	29
16/12/23 19:15	0.180	0.557	0.737	0.103			1.2	158	44
16/12/23 19:20	0.164	0.702	0.866	0.096			1.1	198	40
16/12/23 19:25	0.146	1.284	1.431	0.093			1.1	161	45
16/12/23 19:30	0.163	1.589	1.752	0.039			1.4	182	31
16/12/23 19:35	0.135	1.504	1.639	-0.031			1.5	193	24
16/12/23 19:40	0.063	1.665	1.728	-0.039			1.2	146	41
16/12/23 19:45	0.029	1.905	1.934	-0.058			1.1	187	43
16/12/23 19:50	0.041	2.007	2.048	-0.054			1.2	158	43

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/12/23 19:55	0.007	2.086	2.094	-0.064			1.6	161	34
16/12/23 20:00	0.013	1.949	1.962	-0.119			1.3	194	32
16/12/23 20:05	0.063	2.372	2.435	-0.084			1.1	186	38
16/12/23 20:10	0.100	2.817	2.917	-0.047			1.3	201	28
16/12/23 20:15	0.063	2.535	2.598	0.027			1.0	183	32
16/12/23 20:20	0.048	2.294	2.342	-0.040			1.3	193	27
16/12/23 20:25	0.101	1.896	1.997	-0.074			1.3	163	37
16/12/23 20:30	0.141	1.508	1.649	-0.056			1.2	196	36
16/12/23 20:35	0.047	1.317	1.364	-0.022			1.1	185	36
16/12/23 20:40	0.049	1.211	1.260	0.014			1.2	185	35
16/12/23 20:45	0.107	1.061	1.167	-0.055			1.7	204	19
16/12/23 20:50	0.197	0.881	1.078	0.010			1.8	213	21
16/12/23 20:55	0.168	0.770	0.939	0.006			2.4	213	16
16/12/23 21:00	0.216	0.710	0.926	-0.041			2.0	214	17
16/12/23 21:05	0.176	0.694	0.870	-0.033			2.0	206	22
16/12/23 21:10	0.234	0.777	1.012	-0.039			2.2	207	18
16/12/23 21:15	0.219	0.789	1.008	-0.084			2.2	212	15
16/12/23 21:20	0.124	0.785	0.909	-0.042			1.8	209	21
16/12/23 21:25	0.168	0.709	0.877	-0.072			1.0	191	33
16/12/23 21:30	0.253	0.726	0.979	-0.051			0.9	196	34
16/12/23 21:35	0.216	0.799	1.015	-0.062			1.2	179	38
16/12/23 21:40	0.145	0.821	0.966	-0.098			1.0	193	40
16/12/23 21:45	0.114	0.813	0.927	-0.018			1.2	196	30
16/12/23 21:50	0.063	0.789	0.852	0.019			1.2	196	24
16/12/23 21:55	0.011	0.801	0.812	0.028			1.7	205	17
16/12/23 22:00	0.058	0.730	0.787	0.059			1.9	207	18
16/12/23 22:05	0.060	0.669	0.729	0.052			1.7	207	17
16/12/23 22:10	0.158	0.768	0.925	0.046			1.5	205	23
16/12/23 22:15	0.169	1.196	1.365	-0.006			1.3	209	20
16/12/23 22:20	0.147	1.682	1.829	-0.042			1.5	204	17
16/12/23 22:25	0.175	2.206	2.381	-0.016			1.3	210	18
16/12/23 22:30	0.093	2.311	2.404	-0.050			1.3	204	20
16/12/23 22:35	0.059	2.076	2.135	-0.107			1.1	216	21
16/12/23 22:40	0.128	1.838	1.966	-0.143			1.0	223	15
16/12/23 22:45	0.165	1.579	1.744	-0.176			0.9	245	19
16/12/23 22:50	0.095	1.527	1.621	-0.174			1.0	235	23
16/12/23 22:55	0.052	1.413	1.465	-0.147			0.7	248	27
16/12/23 23:00	0.062	1.810	1.872	-0.050			1.7	254	14
16/12/23 23:05	0.245	2.739	2.984	-0.018			2.0	256	14
16/12/23 23:10	0.229	2.808	3.037	0.020			2.2	256	13
16/12/23 23:15	0.146	2.860	3.006	0.108			2.1	252	17
16/12/23 23:20	0.381	3.704	4.085	0.197			2.1	257	14
16/12/23 23:25	0.792	5.061	5.853	0.332			1.8	252	21
16/12/23 23:30	1.019	6.125	7.144	0.442			2.4	258	11
16/12/23 23:35	1.058	6.911	7.969	0.587			2.2	259	14
16/12/23 23:40	1.104	7.846	8.950	0.706			1.9	256	19
16/12/23 23:45	1.142	8.284	9.427	0.746			1.8	256	18
16/12/23 23:50	1.160	7.982	9.142				2.3	254	19
16/12/23 23:55	0.936	6.445	7.381				2.3	253	13
17/12/23 00:00	0.685	5.183	5.868				2.2	251	14
17/12/23 00:05	0.701	5.820	6.521				2.6	258	14
17/12/23 00:10	0.640	6.061	6.700				3.1	262	10
17/12/23 00:15	0.708	6.202	6.909				2.1	256	18
17/12/23 00:20	1.345	10.726	12.070				2.0	259	21
17/12/23 00:25	2.135	12.197	14.332				2.4	264	14
17/12/23 00:30	2.635	12.042	14.677				3.0	264	14
17/12/23 00:35	2.515	10.119	12.634				2.3	258	13
17/12/23 00:40	2.516	10.686	13.202				2.0	258	17
17/12/23 00:45	2.696	9.831	12.527				2.4	258	13
17/12/23 00:50	2.225	6.960	9.184				1.7	257	17
17/12/23 00:55	1.967	7.214	9.181				1.8	255	22
17/12/23 01:00	2.570	11.272	13.842				2.6	267	11
17/12/23 01:05							2.2	258	13
17/12/23 01:10							2.7	260	17
17/12/23 01:15							2.9	260	15
17/12/23 01:20							2.6	257	16
17/12/23 01:25							2.5	252	18
17/12/23 01:30							2.5	251	16
17/12/23 01:35							2.9	255	13
17/12/23 01:40							2.8	258	14
17/12/23 01:45							3.1	258	16
17/12/23 01:50							3.0	264	15
17/12/23 01:55							3.4	264	11
17/12/23 02:00							3.3	261	11
17/12/23 02:05	2.641	9.948	12.588	0.250			3.0	267	12
17/12/23 02:10	2.674	10.492	13.166	0.290			2.7	261	14
17/12/23 02:15	2.540	10.244	12.784	0.271			2.8	264	13
17/12/23 02:20	2.018	8.996	11.014	0.264			2.7	264	11
17/12/23 02:25	1.836	9.052	10.888	0.293			2.2	262	14
17/12/23 02:30	2.027	10.062	12.088	0.250			2.0	261	21
17/12/23 02:35	1.962	10.342	12.304	0.242			1.8	264	18
17/12/23 02:40	1.687	9.633	11.321	0.230			2.2	270	16
17/12/23 02:45	1.531	9.043	10.574	0.298			1.5	267	26
17/12/23 02:50	1.213	8.379	9.592	0.282			1.4	264	23
17/12/23 02:55	0.968	6.965	7.933	0.288			1.2	265	29
17/12/23 03:00	0.852	6.265	7.116	0.264			1.2	295	30
17/12/23 03:05	0.796	7.139	7.935	0.260			1.6	268	19
17/12/23 03:10	0.678	7.400	8.078	0.294			2.4	264	13
17/12/23 03:15	0.625	7.391	8.016	0.288			2.6	261	14
17/12/23 03:20	1.081	8.194	9.274	0.416			2.9	263	10
17/12/23 03:25	1.938	9.905	11.843	0.481			2.1	260	16
17/12/23 03:30	2.682	12.748	15.431	0.476			1.9	270	23
17/12/23 03:35	2.489	7.259	9.748	0.418			1.1	295	29
17/12/23 03:40	1.866	3.196	5.062	0.375			1.5	315	14
17/12/23 03:45	1.569	3.421	4.990	0.379			1.5	319	13
17/12/23 03:50	1.268	3.408	4.676	0.367			1.4	327	12
17/12/23 03:55	1.030	3.759	4.789	0.301			1.2	324	13
17/12/23 04:00	0.850	4.235	5.085	0.317			1.4	328	11
17/12/23 04:05	0.732	4.815	5.547	0.290			1.4	314	17
17/12/23 04:10	0.639	5.423	6.062	0.319			1.2	314	15
17/12/23 04:15	0.566	6.225	6.791	0.254			1.4	322	13
17/12/23 04:20	0.511	7.236	7.746	0.223			1.0	332	29
17/12/23 04:25	0.468	8.548	9.017	0.217			1.1	7	16
17/12/23 04:30	0.509	10.688	11.198	0.198			1.2	352	19
17/12/23 04:35	0.631	12.550	13.180	0.214			1.1	323	25
17/12/23 04:40	0.596	12.064	12.660	0.157			1.8	320	13

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
17/12/23 04:45	0.600	11.671	12.271	0.113			1.9	317	14
17/12/23 04:50	1.347	12.766	14.114	0.087			1.8	322	15
17/12/23 04:55	1.430	12.723	14.153	0.085			1.2	330	18
17/12/23 05:00	1.293	12.078	13.371	0.063			1.7	318	13
17/12/23 05:05	1.038	11.398	12.436	0.089			1.8	317	15
17/12/23 05:10	1.034	11.084	12.117	0.023			1.3	324	18
17/12/23 05:15	1.118	11.169	12.287	0.097			1.2	329	19
17/12/23 05:20	1.376	11.291	12.666	0.130			1.0	349	25
17/12/23 05:25	1.698	11.601	13.299	0.118			0.9	0	17
17/12/23 05:30	1.963	11.504	13.468	0.133			1.0	342	25
17/12/23 05:35	2.113	11.071	13.184	0.140			0.9	3	23
17/12/23 05:40	2.287	10.820	13.107	0.145			0.8	343	19
17/12/23 05:45	2.808	10.693	13.501	0.167			1.0	321	27
17/12/23 05:50	3.506	10.706	14.212	0.222			1.0	328	26
17/12/23 05:55	5.257	11.223	16.480	0.267			0.6	343	34
17/12/23 06:00	13.420	17.138	30.559	0.277			0.9	343	25
17/12/23 06:05	17.710	15.263	32.973	0.365			1.3	308	10
17/12/23 06:10	16.728	14.856	31.585	0.330			1.2	313	14
17/12/23 06:15	14.617	15.213	29.831	0.266			1.2	296	18
17/12/23 06:20	12.010	8.714	20.724	0.252			1.2	309	27
17/12/23 06:25	5.191	7.933	13.123	0.178			1.1	293	28
17/12/23 06:30	3.235	6.383	9.618	0.197			1.1	295	29
17/12/23 06:35	6.834	7.864	14.698	0.207			1.1	275	22
17/12/23 06:40	8.961	12.640	21.601	0.297			1.1	292	27
17/12/23 06:45	8.544	9.683	18.227	0.333			1.9	268	14
17/12/23 06:50	7.123	7.858	14.981	0.357			1.4	270	21
17/12/23 06:55	5.087	6.965	12.053	0.340			1.5	267	17
17/12/23 07:00	5.416	7.955	13.372	0.348			2.4	267	09
17/12/23 07:05	5.873	8.633	14.507	0.328			1.7	265	17
17/12/23 07:10	6.379	9.019	15.399	0.362			1.5	268	24
17/12/23 07:15	6.328	8.681	15.009	0.396			1.0	270	34
17/12/23 07:20	6.584	8.395	14.979	0.377			1.4	265	15
17/12/23 07:25	5.960	7.130	13.091	0.406			1.1	267	15
17/12/23 07:30	5.408	5.989	11.397	0.465			0.8	242	26
17/12/23 07:35	5.074	5.486	10.560	0.555			1.0	252	28
17/12/23 07:40	4.531	4.808	9.339	0.624			0.6	219	31
17/12/23 07:45	4.313	4.950	9.263	0.581			0.9	245	28
17/12/23 07:50	4.554	5.484	10.038	0.619			0.7	252	31
17/12/23 07:55	4.683	5.703	10.386	0.683			0.6	247	28
17/12/23 08:00	4.362	5.361	9.723	0.590			0.7	247	24
17/12/23 08:05	3.955	5.087	9.041	0.649			0.7	228	19
17/12/23 08:10	3.623	4.721	8.344	0.689			1.3	227	11
17/12/23 08:15	3.207	4.254	7.461	0.616			1.3	230	10
17/12/23 08:20	3.009	3.963	6.972	0.589			1.3	224	12
17/12/23 08:25	3.111	4.528	7.639	0.508			1.0	234	15
17/12/23 08:30	3.568	3.797	7.365	0.434			0.7	232	24
17/12/23 08:35	8.826	8.971	17.797	0.458			0.6	203	45
17/12/23 08:40	5.488	5.221	10.709	0.435			1.2	226	15
17/12/23 08:45	9.874	8.508	18.383	0.433			1.2	206	26
17/12/23 08:50	11.429	6.997	18.427	0.404			0.8	204	33
17/12/23 08:55	6.766	4.773	11.539	0.404			0.8	206	28
17/12/23 09:00	4.624	4.245	8.869	0.366			1.2	191	25
17/12/23 09:05	3.783	6.052	9.835	0.366			0.7	188	40
17/12/23 09:10	16.199	8.603	24.802	0.415			1.0	201	32
17/12/23 09:15	6.643	4.589	11.231	0.369			1.0	191	40
17/12/23 09:20	4.156	4.383	8.539	0.319			1.2	209	23
17/12/23 09:25	6.927	9.370	16.297	0.414			0.9	199	31
17/12/23 09:30	8.077	6.976	15.053	0.404			1.1	198	27
17/12/23 09:35	6.124	6.511	12.635	0.345			1.2	198	27
17/12/23 09:40	3.170	4.028	7.197	0.350			1.0	201	27
17/12/23 09:45	3.869	4.418	8.287	0.341			1.1	200	26
17/12/23 09:50	3.485	2.418	5.903	0.311			1.2	188	20
17/12/23 09:55	2.215	2.257	4.472	0.266			1.1	196	24
17/12/23 10:00	2.129	2.514	4.644	0.258			1.2	194	23
17/12/23 10:05	2.207	2.516	4.724	0.296			1.3	189	29
17/12/23 10:10	1.933	2.149	4.082	0.334			1.1	188	33
17/12/23 10:15	1.619	2.204	3.823	0.361			1.0	186	35
17/12/23 10:20	1.442	2.056	3.498	0.439			1.5	192	20
17/12/23 10:25	1.245	2.005	3.250	0.471			0.9	191	33
17/12/23 10:30	1.203	1.999	3.201	0.506			1.4	189	23
17/12/23 10:35	1.152	1.889	3.041	0.511			1.1	177	38
17/12/23 10:40	1.224	1.987	3.211	0.510			1.4	197	21
17/12/23 10:45	1.063	2.027	3.090	0.484			1.3	189	22
17/12/23 10:50	1.180	2.378	3.558	0.509			1.3	193	25
17/12/23 10:55	1.353	2.362	3.715	0.503			1.2	172	32
17/12/23 11:00	1.285	2.078	3.363	0.517			1.1	161	33
17/12/23 11:05	1.145	2.294	3.439	0.549			1.1	190	26
17/12/23 11:10	1.116	2.392	3.509	0.558			1.1	191	28
17/12/23 11:15	5.102	5.601	10.703	0.663			1.3	196	28
17/12/23 11:20	8.633	7.455	16.089	0.690			1.0	196	26
17/12/23 11:25	8.229	7.711	15.939	0.659			1.3	204	22
17/12/23 11:30	9.305	5.778	15.083	0.571			1.0	214	23
17/12/23 11:35	10.760	10.245	21.005	0.515			1.1	209	22
17/12/23 11:40	9.803	6.780	16.583	0.469			1.5	224	16
17/12/23 11:45	18.674	16.318	34.992	0.502			2.0	228	08
17/12/23 11:50	12.843	6.896	19.739	0.456			2.0	227	13
17/12/23 11:55	33.800	16.644	50.444	0.505			1.5	228	12
17/12/23 12:00	41.689	19.071	60.760	0.634			1.9	222	15
17/12/23 12:05	19.211	13.709	32.920	0.652			1.7	214	23
17/12/23 12:10	35.440	18.277	53.717	0.658			1.7	197	17
17/12/23 12:15	38.559	23.279	61.838	0.704			1.9	194	19
17/12/23 12:20	9.655	6.066	15.721	0.692			1.8	187	21
17/12/23 12:25	7.345	6.683	14.028	0.667			1.2	180	42
17/12/23 12:30	6.639	11.799	18.438	0.612			1.4	196	31
17/12/23 12:35	8.323	7.787	16.110	0.569			1.8	200	20
17/12/23 12:40	10.253	9.923	20.175	0.603			1.6	206	29
17/12/23 12:45	7.811	6.882	14.693	0.661			2.8	212	17
17/12/23 12:50	35.401	22.408	57.808	0.781			2.4	211	17
17/12/23 12:55	26.537	18.684	45.222	0.995			1.8	217	24
17/12/23 13:00	9.771	9.366	19.137	1.066			2.3	209	17
17/12/23 13:05	12.345	8.327	20.672	1.094			2.3	209	17
17/12/23 13:10	19.227	15.250	34.477	1.111			1.4	207	31
17/12/23 13:15	12.048	8.432	20.480	1.057			1.4	192	33
17/12/23 13:20	12.681	12.594	25.275	1.060			1.1	181	46
17/12/23 13:25	10.768	5.658	16.426	1.105			1.6	194	30
17/12/23 13:30	14.776	12.148	26.924	0.980			1.5	202	27

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
17/12/23 13:35	19.793	15.404	35.197	0.929			1.5	209	30
17/12/23 13:40	25.511	20.352	45.863	0.930			1.8	212	23
17/12/23 13:45	37.546	19.722	57.268	1.115			1.7	209	26
17/12/23 13:50	31.871	18.475	50.346	1.252			1.5	208	26
17/12/23 13:55	13.337	12.249	25.586	1.288			1.6	199	30
17/12/23 14:00	9.415	9.689	19.104	1.212			1.5	206	27
17/12/23 14:05	20.653	11.877	32.530	1.182			1.5	211	26
17/12/23 14:10	20.796	16.062	36.858	1.180			1.3	218	31
17/12/23 14:15	19.081	14.965	34.046	1.214			1.7	199	24
17/12/23 14:20	8.442	10.854	19.296	1.246			1.5	197	30
17/12/23 14:25	9.077	11.481	20.558	1.328			1.6	195	27
17/12/23 14:30	8.276	11.336	19.612	1.268			1.7	192	25
17/12/23 14:35	9.168	11.489	20.657	1.170			1.6	197	27
17/12/23 14:40	4.719	6.406	11.125	1.064			1.3	184	32
17/12/23 14:45	3.744	6.781	10.525	0.960			1.5	190	32
17/12/23 14:50	3.389	5.936	9.324	0.876			1.0	172	39
17/12/23 14:55	3.421	6.062	9.483	0.704			1.2	168	48
17/12/23 15:00	3.505	6.148	9.653	0.653			1.3	183	33
17/12/23 15:05	2.780	5.590	8.370	0.662			1.1	181	37
17/12/23 15:10	3.025	6.251	9.277	0.698			1.6	181	26
17/12/23 15:15	3.364	6.671	10.036	0.658			1.2	155	40
17/12/23 15:20	2.787	4.642	7.428	0.659			1.1	158	47
17/12/23 15:25	2.416	3.889	6.305	0.597			1.2	181	38
17/12/23 15:30	2.299	4.234	6.532	0.549			1.3	154	36
17/12/23 15:35	1.979	3.891	5.870	0.504			2.9	149	18
17/12/23 15:40	1.575	3.086	4.661	0.499			2.9	151	13
17/12/23 15:45	1.274	2.365	3.638	0.481			2.9	150	22
17/12/23 15:50	1.020	1.612	2.633	0.462			2.5	144	21
17/12/23 15:55	0.903	1.429	2.332	0.527			2.3	141	22
17/12/23 16:00	0.779	1.548	2.327	0.555			1.6	144	30
17/12/23 16:05	0.658	1.589	2.247	0.441			1.0	174	49
17/12/23 16:10	0.745	1.847	2.592	0.403			1.6	194	28
17/12/23 16:15	0.984	2.018	3.003	0.300			2.0	192	26
17/12/23 16:20	1.245	2.459	3.704	0.312			1.9	192	32
17/12/23 16:25	1.791	6.369	8.161	0.357			1.7	193	31
17/12/23 16:30	6.036	24.975	31.011	0.372			1.9	203	22
17/12/23 16:35	15.138	15.560	30.698	0.416			1.7	205	26
17/12/23 16:40	14.919	14.780	29.699	0.435			1.7	208	30
17/12/23 16:45	33.193	22.230	55.423	0.472			1.6	209	21
17/12/23 16:50	18.044	15.028	33.072	0.490			1.6	204	22
17/12/23 16:55	7.124	7.388	14.511	0.434			1.8	207	22
17/12/23 17:00	9.132	7.913	17.046	0.472			1.5	202	25
17/12/23 17:05	9.142	9.074	18.215	0.524			1.6	199	22
17/12/23 17:10	12.190	9.695	21.884	0.538			1.5	209	20
17/12/23 17:15	16.310	14.151	30.461	0.626			1.7	209	20
17/12/23 17:20	9.120	11.928	21.048	0.625			2.3	215	16
17/12/23 17:25	19.855	11.548	31.403	0.685			3.4	216	12
17/12/23 17:30	20.672	15.647	36.319	0.730			2.8	213	11
17/12/23 17:35	20.062	14.208	34.270	0.749			3.2	215	12
17/12/23 17:40	12.870	8.649	21.518	0.770			2.8	213	16
17/12/23 17:45	14.133	10.525	24.657	0.738			3.8	216	12
17/12/23 17:50	25.104	0.229	25.334	0.636			3.2	216	13
17/12/23 17:55	30.483	14.154	44.637	0.622			2.9	218	13
17/12/23 18:00	15.102	12.908	28.010	0.655			2.3	213	14
17/12/23 18:05	10.029	8.543	18.573	0.690			1.5	197	26
17/12/23 18:10	1.887	2.692	4.579	0.607			1.7	165	35
17/12/23 18:15	0.346	2.228	2.575	0.564			2.5	160	20
17/12/23 18:20	0.339	2.512	2.851	0.499			2.0	162	28
17/12/23 18:25	0.594	2.757	3.352	0.444			2.5	159	20
17/12/23 18:30	0.730	3.122	3.852	0.432			2.7	157	16
17/12/23 18:35	0.713	3.526	4.240	0.477			3.2	150	18
17/12/23 18:40	0.572	3.510	4.083	0.489			2.5	156	21
17/12/23 18:45	0.550	3.636	4.186	0.528			2.1	164	31
17/12/23 18:50	0.519	3.779	4.298	0.583			1.7	157	29
17/12/23 18:55	0.556	3.801	4.357	0.570			1.2	152	41
17/12/23 19:00	0.584	3.965	4.549	0.540			1.7	158	28
17/12/23 19:05	0.521	4.071	4.592	0.550			3.0	150	19
17/12/23 19:10	0.502	3.869	4.371	0.557			1.6	150	33
17/12/23 19:15	0.419	3.564	3.983	0.488			2.8	155	16
17/12/23 19:20	0.255	3.565	3.820	0.499			1.6	157	33
17/12/23 19:25	0.138	3.348	3.486	0.513			1.3	156	38
17/12/23 19:30	0.123	3.070	3.193	0.574			1.3	156	37
17/12/23 19:35	0.134	2.843	2.977	0.527			1.4	183	34
17/12/23 19:40	0.095	2.831	2.926	0.454			1.4	192	31
17/12/23 19:45	0.121	2.769	2.889	0.409			1.5	195	29
17/12/23 19:50	0.463	2.901	3.364	0.405			1.6	201	23
17/12/23 19:55	2.033	4.556	6.589	0.412			1.6	204	27
17/12/23 20:00	2.338	5.502	7.840	0.443			1.9	208	24
17/12/23 20:05	10.452	12.584	23.036	0.430			1.7	209	26
17/12/23 20:10	10.336	8.945	19.281	0.462			1.9	203	21
17/12/23 20:15	5.614	6.537	12.151	0.477			1.5	207	22
17/12/23 20:20	6.863	6.048	12.911	0.475			1.6	198	30
17/12/23 20:25	2.583	3.504	6.087	0.535			1.8	192	21
17/12/23 20:30	1.151	3.385	4.536	0.579			2.0	189	27
17/12/23 20:35	0.901	2.681	3.582	0.528			1.3	165	44
17/12/23 20:40	0.634	2.268	2.903	0.522			1.3	176	39
17/12/23 20:45	0.791	1.853	2.644	0.581			1.6	176	38
17/12/23 20:50	0.765	1.705	2.470	0.553			1.1	171	43
17/12/23 20:55	0.386	1.645	2.031	0.503			0.9	156	45
17/12/23 21:00	0.220	1.467	1.687	0.490			2.0	148	30
17/12/23 21:05	0.146	1.573	1.719	0.462			1.3	157	38
17/12/23 21:10	0.050	1.591	1.641	0.457			1.9	145	24
17/12/23 21:15	0.115	1.653	1.768	0.440			1.1	178	40
17/12/23 21:20	0.171	1.790	1.962	0.395			1.1	198	30
17/12/23 21:25	0.178	2.154	2.331	0.322			1.2	194	24
17/12/23 21:30	0.175	2.313	2.488	0.286			1.2	193	21
17/12/23 21:35	0.111	2.429	2.540	0.340			0.7	180	33
17/12/23 21:40	0.192	2.458	2.650	0.344			0.7	180	33
17/12/23 21:45	0.178	2.521	2.698	0.365			0.7	154	45
17/12/23 21:50	0.157	2.560	2.717	0.340			1.4	149	21
17/12/23 21:55	0.097	2.614	2.711	0.365			0.7	158	42
17/12/23 22:00	0.116	2.667	2.783	0.415			1.1	159	24
17/12/23 22:05	0.034	2.843	2.877	0.398			0.9	156	35
17/12/23 22:10	-0.034	2.939	2.905	0.378			0.9	149	25
17/12/23 22:15	0.055	3.029	3.084	0.421			0.7	168	29
17/12/23 22:20	0.183	3.048	3.230	0.468			0.7	173	36

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
17/12/23 22:25	0.200	3.122	3.322	0.497			0.7	160	38
17/12/23 22:30	0.170	3.260	3.430	0.479			0.5	188	35
17/12/23 22:35	0.169	3.373	3.542	0.478			0.7	190	24
17/12/23 22:40	0.180	3.311	3.491	0.494			0.8	197	24
17/12/23 22:45	0.196	3.359	3.555	0.546			1.2	223	17
17/12/23 22:50	0.268	3.317	3.584	0.544			0.9	224	19
17/12/23 22:55	0.179	3.374	3.553	0.487			0.9	225	22
17/12/23 23:00	0.078	4.191	4.269	0.491			0.6	250	30
17/12/23 23:05	0.101	6.281	6.383	0.483			0.8	235	27
17/12/23 23:10	0.191	6.391	6.582	0.441			0.9	231	21
17/12/23 23:15	0.050	5.974	6.024	0.391			0.7	229	26
17/12/23 23:20	-0.080	5.818	5.737	0.461			0.8	230	20
17/12/23 23:25	-0.060	6.126	6.066	0.384			1.1	230	14
17/12/23 23:30	0.047	5.973	6.020	0.423			1.0	222	18
17/12/23 23:35	0.208	5.436	5.644	0.451			0.9	195	17
17/12/23 23:40	0.458	4.832	5.290	0.430			0.8	203	17
17/12/23 23:45	0.622	4.477	5.099	0.449			0.4	200	25
17/12/23 23:50	0.828	4.142	4.970				0.5	238	20
17/12/23 23:55	0.590	3.259	3.849				0.6	250	27
18/12/23 00:00	0.439	3.218	3.657				1.5	265	15
18/12/23 00:05	0.354	4.279	4.633	0.385			1.0	303	29
18/12/23 00:10	0.314	6.243	6.557	0.267			0.9	294	31
18/12/23 00:15	0.322	8.300	8.621	0.252			1.1	291	32
18/12/23 00:20	0.696	11.836	12.532	0.199			1.7	311	11
18/12/23 00:25	1.820	19.323	21.143	0.151			1.6	310	12
18/12/23 00:30	4.136	21.558	25.694	0.141			1.9	315	12
18/12/23 00:35	5.387	18.891	24.278	0.170			1.9	316	13
18/12/23 00:40	4.889	17.720	22.609	0.168			1.8	316	12
18/12/23 00:45	4.293	17.106	21.399	0.166			1.7	318	12
18/12/23 00:50	3.940	16.768	20.708	0.188			1.7	318	13
18/12/23 00:55	3.520	16.812	20.333	0.237			1.5	322	23
18/12/23 01:00	3.018	16.477	19.495	0.285			1.9	311	08
18/12/23 01:05							1.7	321	12
18/12/23 01:10							1.7	316	10
18/12/23 01:15							1.6	317	19
18/12/23 01:20							1.2	312	19
18/12/23 01:25							1.1	308	18
18/12/23 01:30							1.3	311	12
18/12/23 01:35							0.9	316	18
18/12/23 01:40							0.9	319	20
18/12/23 01:45							1.1	324	19
18/12/23 01:50							1.1	311	24
18/12/23 01:55							0.8	289	31
18/12/23 02:00							0.6	303	36
18/12/23 02:05	2.993	16.709	19.701	0.269			0.5	31	56
18/12/23 02:10	2.959	16.731	19.690	0.321			1.0	55	20
18/12/23 02:15	2.900	16.613	19.513	0.351			0.8	69	20
18/12/23 02:20	2.909	16.744	19.653	0.351			1.1	73	12
18/12/23 02:25	2.709	16.785	19.494	0.337			1.0	62	18
18/12/23 02:30	3.553	17.091	20.644	0.408			1.1	66	14
18/12/23 02:35	5.361	17.743	23.104	0.497			0.8	68	19
18/12/23 02:40	8.024	19.612	27.636	0.498			0.3	359	62
18/12/23 02:45	8.421	19.110	27.531	0.521			0.6	22	35
18/12/23 02:50	7.175	18.413	25.588	0.579			0.8	37	23
18/12/23 02:55	4.459	19.411	23.869	0.563			1.0	37	19
18/12/23 03:00	2.587	15.811	18.398	0.522			0.8	36	34
18/12/23 03:05	1.911	12.019	13.929	0.479			0.8	20	32
18/12/23 03:10	1.757	11.022	12.779	0.470			0.6	37	32
18/12/23 03:15	1.728	10.924	12.652	0.553			0.7	12	48
18/12/23 03:20	1.455	10.870	12.325	0.575			0.9	310	29
18/12/23 03:25	1.236	11.406	12.642	0.557			0.7	3	54
18/12/23 03:30	1.092	12.045	13.138	0.560			1.0	307	21
18/12/23 03:35	0.960	12.594	13.554	0.546			0.9	320	39
18/12/23 03:40	0.794	12.653	13.447	0.549			0.9	359	37
18/12/23 03:45	0.752	12.316	13.068	0.577			1.0	18	28
18/12/23 03:50	0.633	12.011	12.644	0.575			0.9	34	20
18/12/23 03:55	0.588	11.982	12.570	0.652			0.7	35	26
18/12/23 04:00	0.526	12.233	12.759	0.646			0.6	4	32
18/12/23 04:05	0.578	12.644	13.222	0.675			0.4	331	25
18/12/23 04:10	0.665	12.845	13.509	0.660			0.5	22	38
18/12/23 04:15	0.754	13.239	13.993	0.608			0.9	78	13
18/12/23 04:20	0.894	13.944	14.839	0.628			0.7	62	14
18/12/23 04:25	0.927	14.494	15.421	0.615			0.5	78	25
18/12/23 04:30	0.877	14.727	15.604	0.623			0.2	319	50
18/12/23 04:35	0.850	14.802	15.652	0.584			0.2	308	46
18/12/23 04:40	0.933	14.780	15.713	0.584			0.4	266	29
18/12/23 04:45	0.977	14.580	15.558	0.609			0.6	272	27
18/12/23 04:50	1.268	15.054	16.322	0.610			1.0	297	17
18/12/23 04:55	1.873	15.666	17.539	0.653			0.7	286	20
18/12/23 05:00	2.248	15.950	18.198	0.599			0.7	301	20
18/12/23 05:05	2.632	16.212	18.844	0.564			1.1	308	12
18/12/23 05:10	2.917	16.309	19.226	0.513			1.5	306	09
18/12/23 05:15	3.362	16.371	19.732	0.559			0.6	311	34
18/12/23 05:20	4.872	17.064	21.936	0.590			0.9	307	12
18/12/23 05:25	10.440	18.618	29.057	0.639			0.6	312	29
18/12/23 05:30	17.052	17.964	35.015	0.641			0.7	60	25
18/12/23 05:35	16.455	17.717	34.172	0.619			0.8	83	13
18/12/23 05:40	17.815	18.459	36.274	0.645			0.8	82	14
18/12/23 05:45	18.992	19.492	38.483	0.717			0.6	73	16
18/12/23 05:50	18.742	19.037	37.779	0.720			0.6	79	09
18/12/23 05:55	18.644	18.980	37.624	0.760			0.8	91	18
18/12/23 06:00	18.389	18.522	36.911	0.751			0.8	111	14
18/12/23 06:05	18.303	18.049	36.352	0.724			0.9	102	20
18/12/23 06:10	17.795	17.727	35.522	0.821			0.8	117	11
18/12/23 06:15	16.326	17.133	33.459	0.859			0.9	113	12
18/12/23 06:20	14.464	14.895	29.360	0.787			0.4	80	37
18/12/23 06:25	14.180	16.930	31.110	0.840			0.7	87	16
18/12/23 06:30	14.654	18.266	32.919	0.751			0.5	83	10
18/12/23 06:35	17.046	17.470	34.516	0.731			0.7	82	14
18/12/23 06:40	15.438	19.544	34.982	0.696			0.6	87	15
18/12/23 06:45	16.511	19.294	35.805	0.796			0.2	214	58
18/12/23 06:50	17.306	19.096	36.402	0.692			0.7	273	13
18/12/23 06:55	18.338	19.080	37.418	0.651			1.0	275	13
18/12/23 07:00	23.573	16.661	40.234	0.735			0.8	268	20
18/12/23 07:05	31.229	16.741	47.969	0.813			0.6	315	30
18/12/23 07:10	32.215	21.861	54.077	0.812			0.6	325	31

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/12/23 07:15	45.370	23.677	69.046	0.913			0.5	30	37
18/12/23 07:20	54.308	22.688	76.996	1.107			0.9	32	29
18/12/23 07:25	56.986	22.762	79.748	1.353			1.5	55	17
18/12/23 07:30	41.010	26.659	67.670	1.481			1.5	50	16
18/12/23 07:35	36.851	24.647	61.498	1.435			1.4	51	22
18/12/23 07:40	38.185	24.183	62.368	1.470			1.5	53	19
18/12/23 07:45	36.541	24.963	61.503	1.578			1.0	50	36
18/12/23 07:50	34.906	25.594	60.500	1.528			1.3	21	33
18/12/23 07:55	34.309	25.756	60.065	1.586			1.3	39	23
18/12/23 08:00	34.476	25.927	60.403	1.629			1.4	48	24
18/12/23 08:05	34.087	25.754	59.841	1.573			1.0	14	42
18/12/23 08:10	33.594	25.786	59.380	1.565			1.2	36	33
18/12/23 08:15	32.745	25.943	58.688	1.536			1.3	49	26
18/12/23 08:20	32.808	26.082	58.890	1.524			1.9	47	18
18/12/23 08:25	38.979	26.765	65.744	1.525			1.5	43	32
18/12/23 08:30	37.284	26.297	63.580	1.507			1.9	45	21
18/12/23 08:35	33.444	27.071	60.515	1.469			1.6	54	26
18/12/23 08:40	17.598	27.757	45.355	1.414			1.6	41	26
18/12/23 08:45	13.870	23.421	37.291	1.292			1.2	46	33
18/12/23 08:50	13.998	24.283	38.282	1.195			2.0	18	28
18/12/23 08:55	12.826	23.835	36.661	1.131			1.6	25	37
18/12/23 09:00	11.639	22.588	34.226	1.020			1.8	45	22
18/12/23 09:05	11.093	21.346	32.439	0.974			1.7	29	30
18/12/23 09:10	10.406	19.989	30.395	0.960			0.8	14	43
18/12/23 09:15	9.619	18.558	28.177	0.846			1.5	34	27
18/12/23 09:20	8.666	17.082	25.748	0.800			1.7	20	33
18/12/23 09:25	7.640	13.675	21.315	0.798			1.7	9	32
18/12/23 09:30	7.044	14.580	21.624	0.897			1.8	27	29
18/12/23 09:35	6.825	15.224	22.049	0.871			1.2	14	36
18/12/23 09:40	7.145	16.592	23.736	0.819			1.1	36	37
18/12/23 09:45	7.362	17.644	25.006	0.815			2.2	44	27
18/12/23 09:50	7.442	17.250	24.693	0.857			2.0	36	29
18/12/23 09:55	7.280	17.188	24.467	0.841			2.2	38	26
18/12/23 10:00	7.188	17.435	24.623	0.702			2.1	49	27
18/12/23 10:05	6.467	16.870	23.337	0.716			2.7	52	27
18/12/23 10:10	5.701	16.465	22.166	0.633			1.6	53	35
18/12/23 10:15	5.401	16.415	21.816	0.648			1.8	56	34
18/12/23 10:20	5.716	15.877	21.593	0.693			2.8	61	24
18/12/23 10:25	4.338	15.987	20.325	0.612			2.6	38	29
18/12/23 10:30	3.386	13.964	17.349	0.645			2.7	35	26
18/12/23 10:35	3.351	13.151	16.502	0.666			2.3	47	28
18/12/23 10:40	3.692	13.466	17.158	0.707			1.8	39	31
18/12/23 10:45	4.041	13.502	17.543	0.663			2.8	55	22
18/12/23 10:50	4.530	13.489	18.019	0.652			2.2	50	28
18/12/23 10:55	5.240	13.779	19.019	0.620			3.0	62	21
18/12/23 11:00	5.424	13.493	18.918	0.594			3.0	56	23
18/12/23 11:05	5.272	13.394	18.666	0.493			2.4	62	22
18/12/23 11:10	4.882	13.468	18.350	0.450			2.5	62	19
18/12/23 11:15	4.705	13.638	18.343	0.426			2.4	62	17
18/12/23 11:20	4.563	13.731	18.294	0.523			2.2	34	26
18/12/23 11:25	4.436	13.857	18.293	0.505			1.9	16	28
18/12/23 11:30	4.194	14.087	18.282	0.661			2.0	24	28
18/12/23 11:35	4.227	14.654	18.882	0.613			1.6	4	34
18/12/23 11:40	4.414	15.073	19.487	0.565			1.4	340	36
18/12/23 11:45	5.387	16.732	22.119	0.642			1.9	326	36
18/12/23 11:50	5.927	18.598	24.525	0.985			1.8	359	40
18/12/23 11:55	7.073	24.270	31.343	1.030			1.2	15	47
18/12/23 12:00	7.482	22.326	29.808	1.012			1.7	12	39
18/12/23 12:05	7.571	21.109	28.680	0.715			1.7	11	37
18/12/23 12:10	7.553	20.421	27.974	0.679			1.9	20	28
18/12/23 12:15	7.109	19.640	26.749	0.766			2.1	12	27
18/12/23 12:20	6.314	17.923	24.237	0.793			2.3	29	30
18/12/23 12:25	5.809	16.875	22.684	0.754			1.9	311	35
18/12/23 12:30	5.972	18.041	24.013	0.757			1.3	8	35
18/12/23 12:35	6.092	19.627	25.719	0.689			2.1	17	33
18/12/23 12:40	5.579	17.830	23.409	0.726			2.4	20	30
18/12/23 12:45	4.940	14.388	19.328	0.690			2.4	32	27
18/12/23 12:50	4.364	12.953	17.317	0.654			1.5	27	35
18/12/23 12:55	4.080	13.597	17.677	0.609			1.6	29	30
18/12/23 13:00	3.861	14.370	18.231	0.623			1.5	29	33
18/12/23 13:05	3.440	14.281	17.721	0.645			1.9	3	26
18/12/23 13:10	3.261	14.473	17.735	0.668			1.8	29	28
18/12/23 13:15	3.216	15.555	18.771	0.737			1.5	58	34
18/12/23 13:20	3.247	16.517	19.764	0.731			2.0	61	26
18/12/23 13:25	3.302	16.585	19.887	0.740			1.9	53	29
18/12/23 13:30	3.510	16.803	20.313	0.798			2.0	42	29
18/12/23 13:35	3.539	17.315	20.854	0.776			2.0	60	21
18/12/23 13:40	3.939	18.469	22.408	0.709			2.0	50	24
18/12/23 13:45	3.964	19.190	23.154	0.704			1.9	31	25
18/12/23 13:50	4.119	20.184	24.303	0.785			1.8	30	22
18/12/23 13:55	4.195	20.621	24.816	0.838			2.0	49	25
18/12/23 14:00	3.853	19.657	23.510	0.839			2.0	32	25
18/12/23 14:05	3.703	18.993	22.697	0.777			1.7	42	25
18/12/23 14:10	3.803	18.369	22.172	0.775			2.2	49	24
18/12/23 14:15	3.919	18.403	22.323	0.771			1.9	68	22
18/12/23 14:20	4.127	18.535	22.663	0.749			2.0	46	19
18/12/23 14:25	4.114	17.999	22.113	0.604			2.2	39	27
18/12/23 14:30	3.916	17.209	21.125	0.591			1.7	44	23
18/12/23 14:35	3.807	16.995	20.802	0.612			2.2	68	19
18/12/23 14:40	3.704	16.691	20.394	0.550			1.9	72	21
18/12/23 14:45	3.738	17.061	20.799	0.566			2.5	83	18
18/12/23 14:50	4.107	17.673	21.780	0.600			2.4	83	20
18/12/23 14:55	4.416	15.877	20.293	0.658			3.1	72	18
18/12/23 15:00	2.719	13.867	16.586	0.639			2.7	75	22
18/12/23 15:05	2.839	14.092	16.931	0.598			3.1	75	16
18/12/23 15:10	2.862	14.048	16.911	0.628			2.5	81	16
18/12/23 15:15	3.004	14.377	17.381	0.668			2.6	73	21
18/12/23 15:20	3.584	15.116	18.700	0.671			2.1	80	22
18/12/23 15:25	3.944	15.119	19.063	0.751			2.4	82	21
18/12/23 15:30	3.687	14.187	17.874	0.763			2.2	78	20
18/12/23 15:35	3.615	14.407	18.022	0.735			2.6	80	22
18/12/23 15:40	3.519	14.410	17.929	0.723			2.1	85	18
18/12/23 15:45	3.596	14.494	18.090	0.671			2.2	74	20
18/12/23 15:50	3.227	14.210	17.437	0.628			1.4	76	28
18/12/23 15:55	2.893	13.747	16.640	0.576			1.4	71	27
18/12/23 16:00	2.754	13.511	16.264	0.510			0.6	70	42

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/12/23 16:05	2.452	13.219	15.672	0.526			0.7	248	27
18/12/23 16:10	2.250	13.219	15.468	0.480			1.6	261	18
18/12/23 16:15	2.391	14.413	16.803	0.441			1.3	255	18
18/12/23 16:20	2.785	17.360	20.145	0.455			1.2	248	17
18/12/23 16:25	3.640	24.471	28.111	0.574			0.8	253	28
18/12/23 16:30	4.379	26.157	30.536	0.794			0.6	358	25
18/12/23 16:35	4.612	24.225	28.836	0.826			0.3	345	51
18/12/23 16:40	4.754	23.630	28.384	0.928			0.3	252	23
18/12/23 16:45	4.928	23.164	28.092	1.139			0.2	254	47
18/12/23 16:50	5.369	24.256	29.625	1.328			0.3	87	35
18/12/23 16:55	6.241	27.144	33.385	1.438			0.8	95	24
18/12/23 17:00	7.169	30.783	37.952	1.555			0.5	88	30
18/12/23 17:05	8.198	31.615	39.813	1.619			0.6	99	30
18/12/23 17:10	8.892	31.375	40.268	1.640			0.7	125	17
18/12/23 17:15	9.788	31.604	41.393	1.526			0.7	122	16
18/12/23 17:20	10.707	32.073	42.780	1.525			0.7	108	13
18/12/23 17:25	11.572	32.660	44.232	1.549			1.0	97	15
18/12/23 17:30	13.267	33.765	47.032	1.571			1.2	93	17
18/12/23 17:35	18.167	38.632	56.799	1.533			1.6	101	17
18/12/23 17:40	22.430	36.029	58.458	1.395			1.1	92	20
18/12/23 17:45	21.806	35.593	57.399	1.242			1.0	87	20
18/12/23 17:50	17.532	36.622	54.154	1.154			1.4	79	16
18/12/23 17:55	10.712	35.487	46.199	1.076			1.5	85	19
18/12/23 18:00	9.672	33.520	43.193	1.026			1.6	93	14
18/12/23 18:05	9.943	33.069	43.012	0.960			1.1	94	17
18/12/23 18:10	9.562	31.897	41.459	0.939			1.5	101	18
18/12/23 18:15	8.615	30.338	38.953	0.888			0.9	86	21
18/12/23 18:20	7.365	27.962	35.327	0.854			0.5	101	41
18/12/23 18:25	5.381	28.613	33.993	0.839			0.3	40	64
18/12/23 18:30	4.261	29.496	33.757	0.801			0.5	220	35
18/12/23 18:35	3.655	29.875	33.530	0.742			0.3	231	44
18/12/23 18:40	3.342	29.631	32.973	0.754			0.7	277	17
18/12/23 18:45	5.061	28.350	33.411	0.839			0.6	284	15
18/12/23 18:50	40.448	26.935	67.383	0.837			0.5	267	14
18/12/23 18:55	29.481	38.726	68.206	0.899			0.5	236	16
18/12/23 19:00	13.557	36.687	50.244	0.926			0.5	237	11
18/12/23 19:05	13.483	33.730	47.213	0.931			0.9	244	14
18/12/23 19:10	17.181	24.255	41.436	1.008			3.0	248	13
18/12/23 19:15	0.202	11.968	12.171	1.022			3.5	247	12
18/12/23 19:20	0.376	11.009	11.385	1.068			2.9	237	12
18/12/23 19:25	0.562	6.283	6.845	1.044			2.8	233	13
18/12/23 19:30	0.283	5.557	5.840	0.930			4.5	234	07
18/12/23 19:35	0.154	5.500	5.654	0.880			3.1	231	13
18/12/23 19:40	0.270	5.395	5.665	0.834			2.5	235	14
18/12/23 19:45	0.274	5.185	5.459	0.828			2.0	234	20
18/12/23 19:50	0.225	5.090	5.314	0.709			1.9	241	16
18/12/23 19:55	0.237	4.914	5.151	0.636			1.8	243	20
18/12/23 20:00	0.196	4.704	4.899	0.616			1.9	241	15
18/12/23 20:05	0.152	4.878	5.029	0.584			2.1	244	16
18/12/23 20:10	0.061	6.972	7.033	0.587			2.0	240	17
18/12/23 20:15	0.070	7.017	7.086	0.604			2.2	238	16
18/12/23 20:20	0.105	5.737	5.841	0.611			2.6	231	11
18/12/23 20:25	0.045	4.706	4.751	0.576			3.5	228	07
18/12/23 20:30	0.021	4.046	4.067	0.577			3.4	225	09
18/12/23 20:35	0.055	3.873	3.928	0.548			2.8	222	13
18/12/23 20:40	0.047	4.092	4.139	0.500			2.1	214	15
18/12/23 20:45	0.118	5.053	5.171	0.404			1.7	212	15
18/12/23 20:50	0.133	4.105	4.238	0.424			0.8	196	31
18/12/23 20:55	0.068	3.741	3.809	0.515			0.8	144	26
18/12/23 21:00	0.034	3.896	3.929	0.515			0.6	144	47
18/12/23 21:05	0.129	3.886	4.015	0.514			0.6	243	24
18/12/23 21:10	0.092	3.962	4.053	0.568			0.5	181	37
18/12/23 21:15	0.057	4.070	4.127	0.517			0.7	235	22
18/12/23 21:20	0.002	4.237	4.239	0.459			1.0	222	22
18/12/23 21:25	-0.031	4.410	4.379	0.451			1.2	227	16
18/12/23 21:30	-0.017	4.344	4.327	0.458			1.2	224	16
18/12/23 21:35	-0.011	4.191	4.180	0.454			1.2	223	15
18/12/23 21:40	0.015	4.102	4.117	0.423			0.5	224	28
18/12/23 21:45	0.194	3.853	4.048	0.417			0.4	126	41
18/12/23 21:50	0.150	3.638	3.788	0.361			0.7	106	19
18/12/23 21:55	0.103	3.596	3.699	0.371			0.8	100	21
18/12/23 22:00	0.231	3.906	4.137	0.356			1.0	107	09
18/12/23 22:05	0.276	4.260	4.536	0.384			0.9	105	17
18/12/23 22:10	0.237	4.560	4.797	0.401			0.9	65	15
18/12/23 22:15	0.294	4.883	5.177	0.426			0.6	94	27
18/12/23 22:20	0.276	5.200	5.476	0.431			0.3	302	51
18/12/23 22:25	0.264	5.548	5.811	0.472			0.6	42	35
18/12/23 22:30	0.308	6.166	6.474	0.570			1.3	330	28
18/12/23 22:35	0.286	7.146	7.432	0.631			0.9	298	29
18/12/23 22:40	0.212	8.381	8.593	0.608			1.7	317	13
18/12/23 22:45	0.212	8.887	9.099	0.705			1.4	311	11
18/12/23 22:50	0.231	9.026	9.257	0.654			1.1	2	30
18/12/23 22:55	0.323	9.326	9.649	0.617			0.8	44	27
18/12/23 23:00	0.361	9.657	10.017	0.547			1.3	318	27
18/12/23 23:05	0.299	9.770	10.069	0.489			1.5	315	18
18/12/23 23:10	0.240	10.120	10.360	0.494			1.6	317	15
18/12/23 23:15	0.305	10.677	10.981	0.559			1.4	309	21
18/12/23 23:20	0.293	11.267	11.559	0.619			0.3	15	70
18/12/23 23:25	0.316	12.749	13.065	0.645			0.6	85	13
18/12/23 23:30	0.399	15.020	15.419	0.624			0.9	59	17
18/12/23 23:35	0.499	17.594	18.094	0.651			0.8	78	21
18/12/23 23:40	0.564	16.573	17.138	0.613			0.6	81	20
18/12/23 23:45	0.552	15.647	16.199	0.687			0.4	101	34
18/12/23 23:50	0.470	14.242	14.712				0.4	54	28
18/12/23 23:55	0.469	13.679	14.148				0.5	99	24
19/12/23 00:00	0.411	13.192	13.603				0.7	102	19
19/12/23 00:05	0.343	12.606	12.948				0.6	66	15
19/12/23 00:10	0.223	11.831	12.054				0.3	259	47
19/12/23 00:15	0.176	11.653	11.829				0.5	326	38
19/12/23 00:20	0.100	11.796	11.896				0.5	309	19
19/12/23 00:25	0.008	12.316	12.324				0.4	19	33
19/12/23 00:30	0.084	12.510	12.594				0.7	343	25
19/12/23 00:35	0.076	12.128	12.203				1.3	320	20
19/12/23 00:40	0.045	12.073	12.118				0.7	281	36
19/12/23 00:45	0.038	11.685	11.722				1.0	264	13
19/12/23 00:50	0.125	11.638	11.763				0.9	262	15

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
19/12/23 00:55	0.157	12.534	12.691				0.4	243	35
19/12/23 01:00	0.207	13.066	13.274				1.2	243	19
19/12/23 01:05							1.6	233	15
19/12/23 01:10							1.3	251	20
19/12/23 01:15							1.1	240	20
19/12/23 01:20							1.2	232	22
19/12/23 01:25							2.6	227	11
19/12/23 01:30							2.3	214	13
19/12/23 01:35							2.7	220	14
19/12/23 01:40							2.5	206	17
19/12/23 01:45							3.8	212	11
19/12/23 01:50							3.2	208	14
19/12/23 01:55							3.8	222	11
19/12/23 02:00							4.5	224	09
19/12/23 02:05	-0.120	1.224	1.104	0.283			3.9	217	10
19/12/23 02:10	0.004	1.119	1.123	0.310			3.8	218	10
19/12/23 02:15	-0.014	1.150	1.136	0.291			4.3	224	07
19/12/23 02:20	0.043	1.123	1.166	0.322			4.2	225	10
19/12/23 02:25	0.100	1.146	1.246	0.304			4.0	221	10
19/12/23 02:30	0.050	1.015	1.065	0.277			3.5	225	11
19/12/23 02:35	-0.033	0.961	0.928	0.280			2.8	215	15
19/12/23 02:40	0.049	0.913	0.963	0.215			3.8	225	09
19/12/23 02:45	0.009	1.015	1.025	0.190			3.6	222	08
19/12/23 02:50	-0.005	1.147	1.141	0.171			2.9	212	14
19/12/23 02:55	0.009	1.295	1.304	0.102			2.5	211	15
19/12/23 03:00	-0.032	1.379	1.347	0.110			2.5	210	14
19/12/23 03:05	-0.005	1.434	1.428	0.121			2.7	216	13
19/12/23 03:10	0.123	1.308	1.431	0.125			3.4	219	17
19/12/23 03:15	0.114	1.254	1.368	0.113			3.1	229	13
19/12/23 03:20	0.061	1.260	1.321	0.117			3.0	209	13
19/12/23 03:25	-0.020	1.336	1.316	0.112			3.4	212	13
19/12/23 03:30	-0.108	1.461	1.353	0.080			3.8	214	12
19/12/23 03:35	-0.049	1.458	1.409	0.060			4.2	222	10
19/12/23 03:40	-0.066	1.329	1.263	0.123			4.0	231	07
19/12/23 03:45	-0.124	1.235	1.111	0.109			3.8	233	08
19/12/23 03:50	-0.049	1.080	1.030	0.047			3.8	218	12
19/12/23 03:55	0.078	0.924	1.002	0.063			4.2	225	08
19/12/23 04:00	0.141	0.764	0.906	0.122			3.9	217	10
19/12/23 04:05	0.136	0.780	0.916	0.079			3.8	216	12
19/12/23 04:10	0.149	0.734	0.883	0.078			3.9	211	12
19/12/23 04:15	0.050	0.759	0.810	0.091			3.7	209	13
19/12/23 04:20	0.017	1.143	1.160	0.151			3.8	216	12
19/12/23 04:25	0.034	1.466	1.499	0.075			3.8	213	10
19/12/23 04:30	0.047	1.442	1.489	0.044			3.9	212	12
19/12/23 04:35	0.553	2.986	3.538	0.058			3.6	214	12
19/12/23 04:40	0.605	1.686	2.292	0.075			3.2	209	13
19/12/23 04:45	0.435	1.211	1.646	0.073			3.7	223	15
19/12/23 04:50	0.319	0.780	1.099	0.072			5.2	227	12
19/12/23 04:55	0.186	0.856	1.042	0.073			4.1	215	10
19/12/23 05:00	1.358	0.359	1.718	0.131			3.1	212	13
19/12/23 05:05	2.187	4.339	6.526	0.142			3.2	213	12
19/12/23 05:10	6.651	4.012	10.663	0.154			3.1	213	11
19/12/23 05:15	1.482	1.992	3.474	0.196			3.7	224	11
19/12/23 05:20	7.055	9.428	16.483	0.148			3.1	212	11
19/12/23 05:25	3.563	2.045	5.608	0.086			3.7	220	10
19/12/23 05:30	1.247	0.319	1.567	0.066			3.5	225	09
19/12/23 05:35	0.589	0.220	0.808	-0.001			2.9	230	05
19/12/23 05:40	4.491	7.372	11.863	0.047			3.9	226	11
19/12/23 05:45	97.648	29.202	126.850	0.188			3.4	223	13
19/12/23 05:50	63.625	12.220	75.845	0.335			3.5	234	09
19/12/23 05:55	158.032	20.026	178.058	0.366			4.1	215	11
19/12/23 06:00	258.556	15.884	274.440	0.823			4.1	207	10
19/12/23 06:05	101.206	31.150	132.357	0.839			3.8	209	13
19/12/23 06:10	101.517	32.853	134.370	0.756			4.1	206	12
19/12/23 06:15	331.139	38.749	369.888	1.377			2.7	201	17
19/12/23 06:20	235.830	43.873	279.703	2.117			3.1	205	13
19/12/23 06:25	74.844	21.828	96.672	1.460			3.8	209	13
19/12/23 06:30	321.312	25.151	346.463	1.704			2.4	208	16
19/12/23 06:35	287.219	49.296	336.514	2.188			2.5	203	16
19/12/23 06:40	255.924	23.579	279.503	2.373			3.2	201	14
19/12/23 06:45	99.851	22.737	122.588	1.902			2.8	203	15
19/12/23 06:50	150.397	36.215	186.612	1.503			3.0	207	15
19/12/23 06:55	28.186	12.354	40.540	1.374			3.1	205	12
19/12/23 07:00	12.132	8.142	20.274	0.759			2.9	207	16
19/12/23 07:05	50.933	20.528	71.461	0.529			2.9	212	10
19/12/23 07:10	134.098	26.263	160.361	0.963			2.3	215	18
19/12/23 07:15	110.871	18.973	129.844	1.170			1.5	214	31
19/12/23 07:20	133.313	8.599	141.912	1.296			2.9	203	13
19/12/23 07:25	124.332	7.336	131.668	1.105			2.3	215	15
19/12/23 07:30	233.621	29.981	263.602	1.590			2.0	216	18
19/12/23 07:35	241.625	15.180	256.806	1.774			2.1	203	20
19/12/23 07:40	104.262	26.114	130.376	1.896			2.3	205	14
19/12/23 07:45	181.727	39.214	220.942	1.896			1.8	211	21
19/12/23 07:50	18.861	5.645	24.505	1.547			3.0	228	11
19/12/23 07:55	0.822	1.321	2.144	1.005			2.3	234	11
19/12/23 08:00	65.233	6.222	71.455	0.895			1.8	226	16
19/12/23 08:05	0.836	1.422	2.258	0.670			1.7	243	15
19/12/23 08:10	1.171	0.677	1.848	0.378			2.1	232	13
19/12/23 08:15	28.863	16.789	45.652	0.458			2.8	225	14
19/12/23 08:20	43.340	22.281	65.621	0.733			2.7	219	15
19/12/23 08:25	14.756	2.652	17.407	0.636			2.9	224	16
19/12/23 08:30	8.656	3.100	11.756	0.528			3.7	229	13
19/12/23 08:35	143.453	0.332	143.785	0.643			2.9	218	19
19/12/23 08:40	72.759	3.939	76.699	0.820			4.0	221	14
19/12/23 08:45	89.471	11.481	100.952	0.737			3.8	221	18
19/12/23 08:50	126.436	20.826	147.262	0.788			3.7	219	18
19/12/23 08:55	231.633	32.700	264.333	1.441			3.3	206	12
19/12/23 09:00	237.581	18.610	256.191	2.077			3.3	211	15
19/12/23 09:05	289.344	19.788	309.132	2.347			3.3	199	14
19/12/23 09:10	89.574	21.477	111.051	2.007			3.7	208	14
19/12/23 09:15	155.490	0.458	155.947	1.804			3.8	206	14
19/12/23 09:20	158.521	25.216	183.737	1.386			3.0	210	18
19/12/23 09:25	131.958	20.726	152.684	2.141			3.6	204	12
19/12/23 09:30	302.921	53.127	356.048	2.213			2.8	206	21
19/12/23 09:35	42.048	9.835	51.883	2.466			3.5	209	10
19/12/23 09:40	32.668	9.946	42.614	1.836			3.2	209	12

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
19/12/23 09:45	14.826	8.388	23.214	1.575			3.0	212	16
19/12/23 09:50	19.903	8.442	28.346	1.325			3.1	211	13
19/12/23 09:55	123.204		107.971	1.567			3.3	207	12
19/12/23 10:00	87.047	20.006	107.053	1.657			3.0	210	17
19/12/23 10:05	41.840	7.620	49.460	1.535			3.7	207	11
19/12/23 10:10	276.442	7.556	283.998	2.230			2.3	212	17
19/12/23 10:15	82.622	9.787	92.409	2.539			3.4	206	15
19/12/23 10:20	6.900	7.836	14.736	1.877			4.3	207	13
19/12/23 10:25	7.258	5.669	12.926	1.382			3.3	207	16
19/12/23 10:30	7.158	5.505	12.663	1.099			3.4	213	12
19/12/23 10:35	9.765	6.466	16.231	1.176			3.4	214	15
19/12/23 10:40	9.396	5.279	14.675	1.106			3.6	207	14
19/12/23 10:45	59.426	1.168	60.594	1.223			3.8	211	12
19/12/23 10:50	8.566	5.493	14.059	1.176			3.8	210	12
19/12/23 10:55	39.099	26.797	65.897	1.086			3.3	213	12
19/12/23 11:00	12.005	6.084	18.089	1.141			3.8	208	13
19/12/23 11:05	3.600	4.893	8.493	0.871			3.2	217	14
19/12/23 11:10	212.339	37.664	250.003	1.388			2.5	203	17
19/12/23 11:15	78.208	20.911	99.118	1.932			3.2	207	12
19/12/23 11:20	33.797	7.549	41.346	1.861			3.3	209	13
19/12/23 11:25	7.388	8.468	15.855	1.417			3.5	213	15
19/12/23 11:30	7.513	5.470	12.983	1.192			3.0	212	14
19/12/23 11:35	4.621	4.695	9.316	1.111			2.8	209	17
19/12/23 11:40	3.614	4.267	7.881	0.888			3.1	207	15
19/12/23 11:45	3.563	4.597	8.161	0.964			2.3	211	16
19/12/23 11:50	3.439	4.358	7.796	1.021			2.9	208	16
19/12/23 11:55	3.094	3.580	6.674	0.951			3.0	210	15
19/12/23 12:00	3.604	3.210	6.813	0.811			2.4	200	19
19/12/23 12:05	3.750	4.520	8.269	0.692			3.0	211	14
19/12/23 12:10	4.123	5.104	9.227	0.629			3.3	210	14
19/12/23 12:15	3.545	2.177	5.722	0.614			3.3	213	13
19/12/23 12:20	3.370	2.567	5.938	0.629			3.4	209	16
19/12/23 12:25	3.199	2.651	5.850	0.479			3.5	209	15
19/12/23 12:30	3.563	2.928	6.491	0.457			3.1	208	18
19/12/23 12:35	3.261	2.332	5.592	0.516			3.0	210	15
19/12/23 12:40	3.525	3.576	7.101	0.573			2.9	205	18
19/12/23 12:45	4.446	5.081	9.527	0.689			2.0	200	24
19/12/23 12:50	4.903	4.460	9.364	0.621			2.7	210	18
19/12/23 12:55	3.895	4.230	8.125	0.463			3.5	207	17
19/12/23 13:00	3.567	2.913	6.479	0.507			3.3	210	14
19/12/23 13:05	3.869	4.127	7.996	0.495			3.1	212	15
19/12/23 13:10	4.784	6.043	10.827	0.387			3.5	214	14
19/12/23 13:15	3.595	4.083	7.678	0.396			2.4	209	31
19/12/23 13:20	3.008	2.461	5.469	0.460			3.1	212	16
19/12/23 13:25	2.839	1.801	4.640	0.563			3.4	213	16
19/12/23 13:30	2.663	1.687	4.350	0.538			2.7	209	18
19/12/23 13:35	2.502	1.742	4.244	0.563			2.9	211	20
19/12/23 13:40	2.168	1.578	3.746	0.532			2.6	214	20
19/12/23 13:45	1.980	1.526	3.506	0.569			3.4	215	14
19/12/23 13:50	1.899	1.753	3.651	0.534			3.7	214	15
19/12/23 13:55	1.883	1.877	3.760	0.505			3.5	209	19
19/12/23 14:00	1.716	1.761	3.477	0.522			3.8	210	17
19/12/23 14:05	1.669	1.691	3.360	0.450			3.3	213	17
19/12/23 14:10	4.133	1.357	5.490	0.374			3.1	210	17
19/12/23 14:15	3.622	1.368	4.989	0.319			2.7	206	22
19/12/23 14:20	2.152	1.575	3.727	0.353			2.8	207	20
19/12/23 14:25	1.663	1.639	3.302	0.425			3.5	214	15
19/12/23 14:30	1.640	1.513	3.154	0.474			3.0	208	19
19/12/23 14:35	1.527	1.562	3.088	0.359			3.9	214	16
19/12/23 14:40	1.385	1.631	3.016	0.361			3.5	213	19
19/12/23 14:45	1.311	1.759	3.070	0.396			2.9	208	20
19/12/23 14:50	1.329	1.593	2.922	0.410			3.1	209	21
19/12/23 14:55	2.573	1.716	4.289	0.411			3.7	210	16
19/12/23 15:00	11.823		10.260	0.428			3.4	213	17
19/12/23 15:05	7.520	4.629	12.149	0.457			3.6	213	18
19/12/23 15:10	5.322	4.037	9.358	0.403			3.6	213	16
19/12/23 15:15	9.822	11.351	21.173	0.415			4.0	210	15
19/12/23 15:20	13.692	3.605	17.297	0.362			3.5	213	17
19/12/23 15:25	10.693	5.816	16.508	0.267			3.7	209	18
19/12/23 15:30	1.348	0.854	2.203	0.306			4.5	215	14
19/12/23 15:35	0.600	1.020	1.621	0.290			4.0	210	12
19/12/23 15:40	0.962	1.207	2.169	0.280			4.7	211	13
19/12/23 15:45	0.805	0.700	1.505	0.321			4.0	213	15
19/12/23 15:50	6.993	2.002	8.995	0.337			3.6	208	13
19/12/23 15:55	6.234	2.497	8.731	0.335			3.7	211	13
19/12/23 16:00	2.449	1.478	3.927	0.315			3.3	213	15
19/12/23 16:05	2.129	1.847	3.976	0.320			4.4	209	15
19/12/23 16:10	1.734	2.048	3.782	0.296			4.5	209	14
19/12/23 16:15	1.407	2.180	3.587	0.250			4.0	211	14
19/12/23 16:20	1.216	1.742	2.958	0.323			4.2	208	14
19/12/23 16:25	0.980	1.485	2.465	0.284			4.5	211	16
19/12/23 16:30	1.040	1.552	2.592	0.207			4.4	213	12
19/12/23 16:35	0.830	1.225	2.055	0.174			3.8	213	15
19/12/23 16:40	0.686	1.045	1.731	0.225			2.7	207	22
19/12/23 16:45	0.558	1.010	1.568	0.202			3.2	216	17
19/12/23 16:50	0.671	1.164	1.835	0.210			2.6	205	22
19/12/23 16:55	0.553	1.145	1.698	0.206			3.4	208	17
19/12/23 17:00	0.379	0.974	1.352	0.190			3.7	212	15
19/12/23 17:05	0.354	0.854	1.209	0.208			3.6	207	15
19/12/23 17:10	0.285	0.811	1.096	0.111			4.0	215	12
19/12/23 17:15	0.380	0.910	1.289	0.103			3.5	213	17
19/12/23 17:20	0.324	0.923	1.247	0.094			3.6	210	19
19/12/23 17:25	0.304	0.917	1.221	0.075			3.8	212	13
19/12/23 17:30	0.386	0.947	1.333	0.035			3.1	206	22
19/12/23 17:35	0.302	0.849	1.151	0.049			4.0	206	17
19/12/23 17:40	0.189	0.750	0.939	0.069			3.9	212	13
19/12/23 17:45	0.141	0.745	0.887	0.136			4.2	210	13
19/12/23 17:50	0.324	0.875	1.199	0.103			3.6	212	13
19/12/23 17:55	0.322	0.929	1.251	0.067			3.7	208	14
19/12/23 18:00	0.318	0.841	1.158	-0.010			3.8	205	14
19/12/23 18:05	0.194	0.780	0.974	0.026			3.9	213	14
19/12/23 18:10	0.205	0.668	0.874	0.073			4.3	213	13
19/12/23 18:15	0.217	0.583	0.799	0.090			4.5	212	13
19/12/23 18:20	0.210	0.502	0.712	0.098			4.9	216	12
19/12/23 18:25	0.298	0.422	0.719	0.093			3.9	210	13
19/12/23 18:30	0.306	0.405	0.711	0.100			5.1	220	11

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
19/12/23 18:35	0.185	0.395	0.580	0.130			4.9	215	11
19/12/23 18:40	0.012	0.467	0.479	0.077			4.2	209	14
19/12/23 18:45	-0.020	0.508	0.488	0.095			3.5	210	16
19/12/23 18:50	-0.014	0.548	0.534	0.126			3.8	207	16
19/12/23 18:55	-0.045	0.507	0.461	0.142			4.9	213	11
19/12/23 19:00	0.005	0.450	0.455	0.117			4.4	210	13
19/12/23 19:05	-0.055	0.433	0.377	0.100			3.6	212	14
19/12/23 19:10	0.013	0.498	0.511	0.032			4.5	212	12
19/12/23 19:15	0.097	0.975	1.072	0.080			4.2	212	12
19/12/23 19:20	0.104	0.942	1.046	0.037			4.3	210	14
19/12/23 19:25	0.048	0.988	1.036	0.031			4.0	208	12
19/12/23 19:30	0.129	0.933	1.062	0.106			4.4	210	11
19/12/23 19:35	0.179	0.773	0.952	0.132			4.5	209	14
19/12/23 19:40	0.245	0.648	0.893	0.094			4.3	213	13
19/12/23 19:45	0.251	0.553	0.804	0.113			4.3	213	12
19/12/23 19:50	0.139	0.420	0.559	0.177			4.1	212	13
19/12/23 19:55	-0.176	0.425	0.249	0.208			4.6	212	12
19/12/23 20:00	-0.175	0.452	0.277	0.119			4.4	215	13
19/12/23 20:05	-0.162	0.412	0.250	0.206			4.5	209	14
19/12/23 20:10	0.058	0.302	0.360	0.228			4.5	208	14
19/12/23 20:15	0.180	0.209	0.389	0.153			3.9	216	13
19/12/23 20:20	0.188	0.191	0.379	0.105			4.9	219	11
19/12/23 20:25	0.058	0.216	0.274	0.167			4.6	217	13
19/12/23 20:30	-0.007	0.219	0.212	0.087			5.1	218	13
19/12/23 20:35	0.011	0.190	0.201	0.041			4.3	213	14
19/12/23 20:40	0.089	0.211	0.300	0.015			3.6	209	16
19/12/23 20:45	0.031	0.272	0.303	0.107			4.5	218	11
19/12/23 20:50	0.021	0.398	0.419	0.144			3.9	212	13
19/12/23 20:55	0.327	1.476	1.803	0.119			4.6	216	12
19/12/23 21:00	0.344	1.803	2.147	0.073			3.7	217	15
19/12/23 21:05	0.252	1.402	1.655	0.046			3.6	211	12
19/12/23 21:10	0.301	1.100	1.401	0.061			3.8	211	12
19/12/23 21:15	0.294	0.846	1.141	0.086			3.8	210	11
19/12/23 21:20	0.181	0.604	0.785	0.063			3.0	208	17
19/12/23 21:25	0.218	0.619	0.837	0.078			3.3	208	15
19/12/23 21:30	0.191	0.627	0.818	0.058			3.7	209	13
19/12/23 21:35	0.048	0.674	0.723	0.016			3.2	209	13
19/12/23 21:40	-0.070	0.745	0.674	0.005			2.3	204	26
19/12/23 21:45	-0.103	0.815	0.713	0.142			2.9	210	15
19/12/23 21:50	-0.037	0.871	0.834	0.198			2.0	198	30
19/12/23 21:55	0.025	0.805	0.830	0.143			2.4	205	20
19/12/23 22:00	0.298	1.854	2.151	0.101			3.8	213	15
19/12/23 22:05	0.418	1.315	1.733	0.126			4.0	213	11
19/12/23 22:10	0.394	0.637	1.031	0.175			3.1	209	18
19/12/23 22:15	0.313	0.736	1.048	0.154			3.9	210	15
19/12/23 22:20	0.197	0.792	0.989	0.142			3.5	211	15
19/12/23 22:25	0.192	0.745	0.937	0.027			3.6	210	13
19/12/23 22:30	0.149	0.618	0.768	-0.018			4.0	207	15
19/12/23 22:35	0.031	0.609	0.640	0.024			3.8	213	14
19/12/23 22:40	-0.086	0.622	0.535	0.015			3.6	213	15
19/12/23 22:45	-0.047	0.739	0.692	0.077			3.3	211	14
19/12/23 22:50	-0.061	0.712	0.652	0.123			3.5	208	16
19/12/23 22:55	-0.068	0.609	0.541	0.099			2.5	204	23
19/12/23 23:00	-0.101	0.542	0.441	0.072			1.6	182	40
19/12/23 23:05	-0.106	0.464	0.357	0.089			2.1	195	30
19/12/23 23:10	-0.120	0.391	0.271	0.060			2.2	197	26
19/12/23 23:15	-0.110	0.393	0.283	0.057			2.4	199	26
19/12/23 23:20	-0.096	0.359	0.263	0.039			2.0	196	34
19/12/23 23:25	-0.014	0.291	0.277	0.105			3.0	211	22
19/12/23 23:30	0.096	0.323	0.420	0.104			2.5	209	25
19/12/23 23:35	0.157	0.327	0.484	0.071			2.5	205	22
19/12/23 23:40	0.185	0.306	0.492	-0.006			2.9	204	27
19/12/23 23:45	0.261	0.263	0.524	-0.113			2.6	198	31
19/12/23 23:50	0.256	0.372	0.627				3.6	210	16
19/12/23 23:55	0.166	0.512	0.678				2.7	198	24
20/12/23 00:00	0.062	0.531	0.594				2.5	208	23
20/12/23 00:05	0.086	0.508	0.594	-0.005			2.4	194	26
20/12/23 00:10	0.146	0.566	0.712	0.046			2.7	208	21
20/12/23 00:15	0.098	0.573	0.671	-0.002			2.5	200	24
20/12/23 00:20	0.106	0.551	0.657	-0.010			1.8	185	36
20/12/23 00:25	0.102	0.530	0.632	0.073			1.6	171	42
20/12/23 00:30	0.026	0.536	0.563	0.122			1.7	165	46
20/12/23 00:35	-0.045	0.470	0.426	0.151			2.5	154	30
20/12/23 00:40	0.087	0.457	0.544	0.124			2.6	163	35
20/12/23 00:45	0.068	0.447	0.515	0.167			2.5	150	31
20/12/23 00:50	0.160	0.453	0.613	0.161			2.2	169	39
20/12/23 00:55	0.140	0.421	0.561	0.192			2.5	151	37
20/12/23 01:00	0.081	0.417	0.499	0.165			2.5	151	31
20/12/23 01:05							2.4	165	41
20/12/23 01:10							2.2	172	40
20/12/23 01:15							2.8	152	32
20/12/23 01:20							2.0	163	38
20/12/23 01:25							2.1	184	35
20/12/23 01:30							2.6	194	20
20/12/23 01:35							2.4	167	36
20/12/23 01:40							2.1	172	39
20/12/23 01:45							1.7	169	43
20/12/23 01:50							2.2	188	33
20/12/23 01:55							2.1	162	38
20/12/23 02:00							2.3	150	36
20/12/23 02:05	0.167	0.375	0.542	0.170			2.2	157	39
20/12/23 02:10	0.223	0.343	0.566	0.153			2.3	157	37
20/12/23 02:15	0.117	0.330	0.446	0.165			2.5	158	38
20/12/23 02:20	0.030	0.366	0.396	0.145			2.1	149	39
20/12/23 02:25	0.031	0.431	0.462	0.111			2.0	173	37
20/12/23 02:30	0.056	0.406	0.462	0.105			2.7	189	21
20/12/23 02:35	0.091	0.410	0.502	0.055			2.5	156	33
20/12/23 02:40	0.009	0.429	0.438	0.084			2.2	162	40
20/12/23 02:45	0.023	0.428	0.451	0.112			2.9	191	26
20/12/23 02:50	0.076	0.446	0.522	0.137			2.3	166	37
20/12/23 02:55	0.135	0.319	0.454	0.205			1.8	166	47
20/12/23 03:00	0.112	0.277	0.389	0.206			2.7	196	21
20/12/23 03:05	0.118	0.347	0.465	0.188			2.6	197	28
20/12/23 03:10	0.204	0.354	0.558	0.139			2.2	189	27
20/12/23 03:15	0.189	0.297	0.487	0.104			2.6	192	27
20/12/23 03:20	0.155	0.395	0.551	0.077			2.1	191	37

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/12/23 03:25	0.175	0.486	0.661	0.026			2.1	175	40
20/12/23 03:30	0.142	0.437	0.579	-0.030			2.4	195	27
20/12/23 03:35	0.065	0.462	0.526	-0.025			2.1	184	34
20/12/23 03:40	0.008	0.468	0.476	-0.045			2.6	194	23
20/12/23 03:45	0.026	0.338	0.363	-0.076			2.6	171	33
20/12/23 03:50	0.104	0.308	0.412	-0.108			2.8	149	26
20/12/23 03:55	0.190	0.345	0.534	-0.024			1.8	190	41
20/12/23 04:00	0.225	0.312	0.538	-0.012			1.9	192	33
20/12/23 04:05	0.105	0.281	0.386	-0.010			2.6	171	29
20/12/23 04:10	0.043	0.296	0.339	0.034			2.3	171	34
20/12/23 04:15	0.037	0.375	0.411	0.061			2.2	196	26
20/12/23 04:20	-0.035	0.446	0.410	0.107			1.8	190	38
20/12/23 04:25	-0.078	0.482	0.404	0.092			2.0	168	40
20/12/23 04:30	-0.052	0.575	0.523	0.109			2.9	196	28
20/12/23 04:35	-0.003	0.696	0.694	0.112			2.4	197	31
20/12/23 04:40	0.006	0.670	0.676	0.150			1.5	183	40
20/12/23 04:45	0.042	0.656	0.698	0.140			3.2	211	17
20/12/23 04:50	0.077	0.700	0.776	0.141			2.4	201	23
20/12/23 04:55	0.085	0.673	0.757	0.127			2.1	196	25
20/12/23 05:00	-0.007	0.695	0.688	0.174			2.3	185	35
20/12/23 05:05	10.460	5.467	15.928	0.167			2.3	185	31
20/12/23 05:10	1.428	1.238	2.665	0.089			1.9	198	29
20/12/23 05:15	1.463	1.182	2.645	0.106			1.7	170	40
20/12/23 05:20	1.716	2.851	4.567	0.118			1.2	148	51
20/12/23 05:25	2.956	5.744	8.700	0.152			0.9	163	59
20/12/23 05:30	4.778	6.092	10.871	0.171			1.1	161	52
20/12/23 05:35	6.836	4.366	11.203	0.149			0.8	192	59
20/12/23 05:40	14.162	9.265	23.427	0.071			0.9	167	58
20/12/23 05:45	4.716	4.148	8.864	0.119			2.6	144	23
20/12/23 05:50	2.126	2.049	4.176	0.134			2.6	145	18
20/12/23 05:55	3.694	4.211	7.905	0.169			2.5	158	25
20/12/23 06:00	3.772	3.783	7.555	0.188			0.8	176	65
20/12/23 06:05	1.879	2.563	4.442	0.181			1.8	151	37
20/12/23 06:10	3.624	2.221	5.845	0.153			2.8	153	15
20/12/23 06:15	3.731	2.515	6.246	0.105			2.2	154	21
20/12/23 06:20	3.805	2.446	6.251	0.125			3.0	145	24
20/12/23 06:25	4.040	2.556	6.596	0.199			3.2	145	17
20/12/23 06:30	3.849	2.329	6.178	0.202			3.0	143	21
20/12/23 06:35	4.141	3.059	7.199	0.190			2.2	156	26
20/12/23 06:40	3.791	1.707	5.498	0.123			2.0	144	24
20/12/23 06:45	4.562	5.736	10.298	0.106			2.1	130	23
20/12/23 06:50	6.932	6.388	13.320	0.103			1.3	130	39
20/12/23 06:55	3.019	4.375	7.394	0.094			2.3	122	12
20/12/23 07:00	8.077	12.371	20.448	0.140			1.4	136	36
20/12/23 07:05	4.019	4.822	8.841	0.210			1.0	137	42
20/12/23 07:10	3.501	4.126	7.627	0.251			1.3	147	32
20/12/23 07:15	4.261	4.544	8.805	0.296			2.1	135	29
20/12/23 07:20	4.371	5.298	9.669	0.270			1.7	154	28
20/12/23 07:25	4.837	5.350	10.187	0.311			2.3	147	26
20/12/23 07:30	5.149	3.929	9.078	0.362			2.6	146	26
20/12/23 07:35	3.158	1.165	4.323	0.256			2.6	148	22
20/12/23 07:40	2.131	1.866	3.997	0.242			3.2	151	13
20/12/23 07:45	2.319	4.908	7.227	0.227			1.7	157	33
20/12/23 07:50	5.446	5.754	11.200	0.248			1.5	157	30
20/12/23 07:55	3.969	1.552	5.521	0.221			2.5	157	20
20/12/23 08:00	6.472	5.605	12.078	0.222			1.9	147	30
20/12/23 08:05	7.729	5.103	12.832	0.240			2.0	153	21
20/12/23 08:10	6.812	7.548	14.361	0.208			1.5	152	31
20/12/23 08:15	7.847	5.534	13.380	0.205			0.9	185	51
20/12/23 08:20	21.212	10.354	31.567	0.206			1.8	192	22
20/12/23 08:25	11.009	6.810	17.818	0.212			1.8	198	23
20/12/23 08:30	12.140	6.092	18.233	0.231			1.5	204	25
20/12/23 08:35	9.860	4.276	14.136	0.241			1.4	183	36
20/12/23 08:40	6.597	3.241	9.839	0.180			1.5	197	30
20/12/23 08:45	6.072	5.377	11.449	0.122			1.5	195	30
20/12/23 08:50	33.352	10.274	43.626	0.207			0.9	207	44
20/12/23 08:55	10.641	5.912	16.553	0.224			1.6	209	32
20/12/23 09:00	36.130	4.186	40.316	0.276			2.0	216	24
20/12/23 09:05	12.018	7.762	19.780	0.287			3.3	216	10
20/12/23 09:10	22.407	11.812	34.219	0.268			3.0	212	13
20/12/23 09:15	17.344	9.016	26.359	0.206			3.1	215	13
20/12/23 09:20	12.167	7.262	19.429	0.164			2.8	214	16
20/12/23 09:25	11.857	9.830	21.687	0.197			2.5	214	15
20/12/23 09:30	11.569	6.129	17.698	0.240			3.1	215	11
20/12/23 09:35	8.949	7.956	16.905	0.263			2.8	219	15
20/12/23 09:40	14.556	11.426	25.982	0.260			2.7	219	12
20/12/23 09:45	21.361	11.475	32.836	0.375			2.6	213	15
20/12/23 09:50	31.363	13.107	44.470	0.440			2.4	214	17
20/12/23 09:55	17.068	8.932	26.000	0.668			3.2	213	17
20/12/23 10:00	20.897	10.605	31.502	0.821			3.4	218	10
20/12/23 10:05	23.412	12.994	36.406	0.847			2.6	215	16
20/12/23 10:10	24.865	15.635	40.500	0.927			3.0	219	11
20/12/23 10:15	32.092	13.253	45.346	1.031			2.9	220	13
20/12/23 10:20	43.425	16.242	59.666	1.192			2.8	217	13
20/12/23 10:25	37.405	19.800	57.204	1.300			3.2	218	13
20/12/23 10:30	42.224	12.566	54.790	1.366			2.7	223	15
20/12/23 10:35	41.203	13.321	54.524	1.400			2.8	218	14
20/12/23 10:40	78.114	24.586	102.700	1.717			2.9	216	13
20/12/23 10:45	33.429	11.416	44.845	1.909			2.8	218	13
20/12/23 10:50	49.330	17.010	66.340	1.936			3.1	216	13
20/12/23 10:55	56.508	18.719	75.227	1.995			3.0	217	11
20/12/23 11:00	72.082	33.341	105.423	3.080			2.6	214	14
20/12/23 11:05	63.710	26.967	90.677	3.790			3.1	214	15
20/12/23 11:10	35.448	9.506	44.954	2.636			3.4	216	13
20/12/23 11:15	96.418	26.790	123.208	2.693			2.7	214	16
20/12/23 11:20	69.347	19.795	89.141	2.978			3.0	209	16
20/12/23 11:25	75.990	22.119	98.109	3.290			3.4	212	15
20/12/23 11:30	65.195	10.355	75.550	4.477			2.9	216	16
20/12/23 11:35	81.406	12.561	93.967	3.838			2.9	217	16
20/12/23 11:40	60.801	16.981	77.783	3.931			3.0	217	15
20/12/23 11:45	30.458	14.450	44.908	3.024			3.1	213	14
20/12/23 11:50	76.260	10.224	86.484	3.236			2.6	216	17
20/12/23 11:55	64.371	9.558	73.928	4.859			3.4	219	15
20/12/23 12:00	75.207	16.256	91.463	5.285			3.5	216	16
20/12/23 12:05	144.289	0.848	145.137	7.944			3.3	208	17
20/12/23 12:10	116.302	46.629	162.931	7.381			2.9	218	17

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/12/23 12:15	92.962	18.870	111.832	7.264			2.5	210	20
20/12/23 12:20	130.074	21.214	151.288	8.426			2.9	208	18
20/12/23 12:25	92.689	13.592	106.281	7.963			3.4	218	17
20/12/23 12:30	153.756	26.371	180.127	9.130			3.2	217	18
20/12/23 12:35	108.973	20.353	129.327	10.156			3.6	211	14
20/12/23 12:40	73.791	14.001	87.792	7.302			3.1	209	21
20/12/23 12:45	27.641	10.478	38.119	4.568			3.2	213	16
20/12/23 12:50	64.521	27.363	91.884	3.661			2.8	214	16
20/12/23 12:55	80.879	19.923	100.802	5.331			3.0	212	15
20/12/23 13:00	25.324	12.354	37.678	3.839			3.6	215	13
20/12/23 13:05	16.657	12.477	29.133	2.802			3.5	214	15
20/12/23 13:10	10.423	7.377	17.800	2.094			2.8	212	14
20/12/23 13:15	6.845	8.219	15.064	2.029			4.4	215	10
20/12/23 13:20	9.540	3.947	13.486	1.770			3.0	212	20
20/12/23 13:25	3.592	2.843	6.434	1.506			4.0	215	14
20/12/23 13:30	4.353	4.142	8.496	1.428			3.9	214	13
20/12/23 13:35	16.703	11.458	28.160	1.289			3.5	215	15
20/12/23 13:40	14.526	6.991	21.516	1.086			3.3	215	14
20/12/23 13:45	17.952	12.653	30.605	1.057			3.0	218	16
20/12/23 13:50	10.897	6.228	17.125	1.059			3.1	213	19
20/12/23 13:55	18.602	5.783	24.385	1.002			3.3	212	17
20/12/23 14:00	13.804	8.344	22.148	1.102			2.9	212	16
20/12/23 14:05	41.938	22.346	64.284	1.578			3.5	215	15
20/12/23 14:10	89.075	17.853	106.928	1.846			3.3	214	16
20/12/23 14:15	11.138	7.507	18.645	2.144			4.5	213	15
20/12/23 14:20	14.696	8.077	22.773	2.251			4.0	210	14
20/12/23 14:25	46.950	15.703	62.653	2.467			4.3	213	11
20/12/23 14:30	67.311	16.883	84.194	3.213			3.7	212	15
20/12/23 14:35	53.755	16.030	69.786	3.382			3.7	210	15
20/12/23 14:40	220.881	27.989	248.870	6.256			4.1	206	15
20/12/23 14:45	49.301	21.364	70.665	5.883			4.6	211	14
20/12/23 14:50	66.341	13.010	79.352	4.777			4.3	209	13
20/12/23 14:55	11.721	4.498	16.218	3.953			3.7	213	15
20/12/23 15:00	95.412	26.817	122.230	4.192			3.9	212	13
20/12/23 15:05	130.633	13.756	144.388	5.589			4.0	215	14
20/12/23 15:10	154.311	13.469	167.780	7.781			4.6	211	12
20/12/23 15:15	91.145	26.738	117.883	8.064			4.3	212	13
20/12/23 15:20	141.429	37.368	178.797	8.292			4.7	212	13
20/12/23 15:25	46.353	11.878	58.231	6.502			5.0	213	12
20/12/23 15:30	101.666	45.376	147.041	5.929			5.5	210	12
20/12/23 15:35	62.854	17.827	80.681	6.236			4.8	214	13
20/12/23 15:40	29.545	11.754	41.300	5.657			4.5	214	15
20/12/23 15:45	28.324	7.437	35.761	4.036			4.2	213	15
20/12/23 15:50	39.373	11.103	50.476	3.621			4.3	214	14
20/12/23 15:55	16.372	4.892	21.264	3.065			4.8	214	12
20/12/23 16:00	20.587	11.635	32.222	2.575			4.1	213	14
20/12/23 16:05	10.328	4.593	14.921	2.209			4.2	210	16
20/12/23 16:10	3.403	0.906	4.309	1.952			4.4	211	15
20/12/23 16:15	0.478	3.340	3.818	1.779			4.9	210	13
20/12/23 16:20	14.461	8.640	23.101	1.645			4.7	214	16
20/12/23 16:25	9.608	4.288	13.896	1.598			4.9	211	15
20/12/23 16:30	0.440	2.007	2.447	1.535			4.0	213	16
20/12/23 16:35	6.501	4.880	11.380	1.374			4.7	212	13
20/12/23 16:40	6.524	3.384	9.908	1.342			4.3	212	15
20/12/23 16:45	0.536	1.165	1.701	1.221			4.4	211	16
20/12/23 16:50	0.471	1.067	1.538	1.181			5.3	209	14
20/12/23 16:55	0.199	1.108	1.306	1.227			4.9	211	14
20/12/23 17:00	0.164	0.928	1.092	1.249			4.9	210	15
20/12/23 17:05	0.267	0.896	1.163	1.119			5.2	210	13
20/12/23 17:10	0.350	0.794	1.144	0.979			5.3	214	12
20/12/23 17:15	0.450	0.694	1.144	0.817			5.3	211	14
20/12/23 17:20	0.284	0.599	0.883	0.738			5.6	213	12
20/12/23 17:25	0.264	0.571	0.835	0.722			5.4	213	14
20/12/23 17:30	0.266	0.570	0.836	0.628			5.0	213	12
20/12/23 17:35	0.099	0.601	0.701	0.640			4.8	211	15
20/12/23 17:40	0.003	0.638	0.641	0.643			4.4	216	13
20/12/23 17:45	0.089	0.606	0.694	0.600			4.1	215	15
20/12/23 17:50	0.126	0.516	0.642	0.632			3.4	207	22
20/12/23 17:55	0.050	0.610	0.660	0.621			2.8	204	26
20/12/23 18:00	0.113	0.572	0.685	0.532			2.5	194	25
20/12/23 18:05	0.091	0.617	0.709	0.468			2.5	202	32
20/12/23 18:10	0.054	0.650	0.704	0.451			2.2	198	31
20/12/23 18:15	-0.005	0.734	0.728	0.447			2.3	182	33
20/12/23 18:20	0.005	0.775	0.780	0.405			2.6	192	24
20/12/23 18:25	0.114	0.786	0.900	0.470			2.4	197	27
20/12/23 18:30	0.119	0.816	0.935	0.538			2.7	157	32
20/12/23 18:35	0.160	1.103	1.263	0.500			3.4	152	25
20/12/23 18:40	0.192	1.337	1.529	0.603			1.3	157	52
20/12/23 18:45	0.217	1.490	1.707	0.529			2.2	166	37
20/12/23 18:50	0.182	1.487	1.670	0.399			4.1	151	18
20/12/23 18:55	0.241	1.367	1.608	0.515			3.4	146	23
20/12/23 19:00	0.270	1.370	1.640	0.607			3.5	153	19
20/12/23 19:05	0.196	1.430	1.626	0.555			2.7	155	19
20/12/23 19:10	0.153	1.609	1.762	0.589			1.4	149	51
20/12/23 19:15	0.219	1.684	1.903	0.461			1.0	149	57
20/12/23 19:20	0.230	1.709	1.939	0.536			3.9	154	18
20/12/23 19:25	0.151	1.586	1.737	0.490			4.6	153	15
20/12/23 19:30	0.181	1.637	1.818	0.324			3.8	157	21
20/12/23 19:35	0.111	1.574	1.685	0.333			1.1	146	49
20/12/23 19:40	0.087	1.485	1.571	0.409			2.1	154	31
20/12/23 19:45	0.061	1.444	1.505	0.337			2.7	155	29
20/12/23 19:50	-0.015	1.347	1.333	0.495			2.9	158	29
20/12/23 19:55	-0.036	1.348	1.312	0.457			3.3	156	19
20/12/23 20:00	-0.006	1.321	1.315	0.443			4.5	154	15
20/12/23 20:05	0.048	1.341	1.389	0.461			3.1	155	21
20/12/23 20:10	-0.057	1.383	1.326	0.463			3.9	152	19
20/12/23 20:15	0.003	1.354	1.357	0.471			3.4	152	21
20/12/23 20:20	0.087	1.334	1.420	0.532			4.1	146	15
20/12/23 20:25	0.058	1.329	1.388	0.475			4.0	152	18
20/12/23 20:30	0.126	1.363	1.489	0.457			3.5	154	21
20/12/23 20:35	0.217	1.384	1.601	0.456			3.4	154	18
20/12/23 20:40	0.093	1.466	1.559	0.437			4.0	152	15
20/12/23 20:45	0.052	1.496	1.549	0.386			4.7	152	15
20/12/23 20:50	0.088	1.535	1.623	0.439			3.2	157	21
20/12/23 20:55	0.067	1.584	1.651	0.339			3.4	154	21
20/12/23 21:00	0.082	1.547	1.629	0.366			3.3	149	20

Station Pier Ambient Air Quality Monitoring
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/12/23 21:05	0.139	1.494	1.633	0.318			3.5	149	18
20/12/23 21:10	0.146	1.417	1.563	0.341			3.6	154	17
20/12/23 21:15	0.052	1.400	1.452	0.385			2.7	156	28
20/12/23 21:20	-0.053	1.399	1.346	0.325			2.7	158	32
20/12/23 21:25	-0.077	1.377	1.300	0.358			1.8	156	41
20/12/23 21:30	-0.025	1.398	1.373	0.356			3.5	154	21
20/12/23 21:35	0.035	1.402	1.437	0.370			2.1	155	35
20/12/23 21:40	-0.018	1.354	1.336	0.366			2.2	155	29
20/12/23 21:45	0.012	1.303	1.315	0.363			3.9	153	17
20/12/23 21:50	-0.029	1.336	1.307	0.384			4.4	149	15
20/12/23 21:55	0.139	1.333	1.472	0.386			4.1	149	16
20/12/23 22:00	0.172	1.372	1.544	0.374			3.8	154	18
20/12/23 22:05	0.324	1.373	1.697	0.436			4.0	154	15
20/12/23 22:10	0.319	1.377	1.695	0.477			3.2	154	23
20/12/23 22:15	0.294	1.365	1.658	0.398			3.6	151	20
20/12/23 22:20	0.165	1.294	1.460	0.283			4.1	150	15
20/12/23 22:25	0.052	1.198	1.251	0.256			3.7	149	24
20/12/23 22:30	0.014	1.186	1.200	0.198			4.0	153	16
20/12/23 22:35	0.051	1.110	1.161	0.178			4.3	148	15
20/12/23 22:40	-0.020	1.045	1.026	0.129			4.2	151	20
20/12/23 22:45	-0.006	0.974	0.968	0.210			4.3	152	15
20/12/23 22:50	0.118	0.921	1.039	0.302			3.8	151	16
20/12/23 22:55	0.158	0.890	1.048	0.308			4.1	154	17
20/12/23 23:00	0.176	0.875	1.051	0.290			4.0	154	14
20/12/23 23:05	0.145	0.828	0.972	0.285			4.2	155	14
20/12/23 23:10	0.188	0.796	0.984	0.237			3.6	152	15
20/12/23 23:15	0.252	0.758	1.010	0.256			3.5	152	18
20/12/23 23:20	0.294	0.740	1.034	0.266			3.5	153	19
20/12/23 23:25	0.242	0.783	1.025	0.231			3.0	155	16
20/12/23 23:30	0.291	0.776	1.067	0.338			2.6	155	23
20/12/23 23:35	0.213	0.861	1.074	0.384			1.9	158	27
20/12/23 23:40	0.178	0.909	1.087	0.363			0.9	155	50
20/12/23 23:45	0.105	0.988	1.093	0.304			1.5	164	38
20/12/23 23:50	0.104	1.014	1.117				1.8	148	33
20/12/23 23:55	0.071	1.062	1.133				1.6	155	31
21/12/23 00:00	0.070	1.095	1.165				1.5	151	39
21/12/23 00:05	0.045	1.167	1.212	0.205			1.5	137	32
21/12/23 00:10	0.072	1.147	1.219	0.147			1.9	148	32
21/12/23 00:15	-0.042	1.211	1.169	0.042			2.2	154	26
21/12/23 00:20	-0.037	1.198	1.161	0.069			1.8	155	32
21/12/23 00:25	0.001	1.196	1.197	0.010			1.4	150	38
21/12/23 00:30	-0.063	1.213	1.150	0.008			1.3	151	38
21/12/23 00:35	-0.038	1.193	1.155	0.037			2.0	156	29
21/12/23 00:40	0.104	1.177	1.281	0.072			2.5	156	25
21/12/23 00:45	0.154	1.217	1.371	0.072			2.6	155	20
21/12/23 00:50	0.187	1.285	1.472	0.059			3.0	151	21
21/12/23 00:55	0.214	1.294	1.509	0.026			2.0	158	28
21/12/23 01:00	0.253	1.284	1.537	0.053			3.3	152	24
21/12/23 01:05							2.4	155	26
21/12/23 01:10							3.1	150	21
21/12/23 01:15							3.7	155	18
21/12/23 01:20							3.0	156	20
21/12/23 01:25							2.5	155	21
21/12/23 01:30							2.0	160	27
21/12/23 01:35							2.0	157	30
21/12/23 01:40							2.0	158	32
21/12/23 01:45							1.8	156	32
21/12/23 01:50							2.0	153	30
21/12/23 01:55							2.6	156	19
21/12/23 02:00							1.3	165	45
21/12/23 02:05	0.302	1.631	1.932	0.245			1.8	145	31
21/12/23 02:10	0.263	1.728	1.992	0.217			1.3	124	37
21/12/23 02:15	0.218	1.821	2.040	0.147			1.8	139	30
21/12/23 02:20	0.149	1.959	2.108	0.129			1.8	137	32
21/12/23 02:25	-0.002	2.198	2.195	0.212			1.7	121	34
21/12/23 02:30	0.033	2.247	2.279	0.234			2.1	121	23
21/12/23 02:35	0.009	2.318	2.326	0.238			2.0	123	21
21/12/23 02:40	-0.044	2.512	2.467	0.210			1.5	132	39
21/12/23 02:45	0.046	2.648	2.695	0.202			1.8	127	30
21/12/23 02:50	0.091	2.836	2.927	0.272			2.3	122	20
21/12/23 02:55	0.140	3.023	3.163	0.284			1.8	124	33
21/12/23 03:00	0.260	3.036	3.295	0.327			1.3	126	44
21/12/23 03:05	0.163	3.057	3.221	0.301			1.1	124	47
21/12/23 03:10	0.131	3.136	3.267	0.219			1.5	119	31
21/12/23 03:15	0.147	3.162	3.309	0.206			1.6	121	34
21/12/23 03:20	0.162	3.078	3.240	0.140			1.3	127	43
21/12/23 03:25	0.171	3.083	3.254	0.106			1.4	121	42
21/12/23 03:30	0.237	3.117	3.354	0.102			1.8	124	26
21/12/23 03:35	0.149	3.274	3.423	0.153			1.9	116	21
21/12/23 03:40	0.196	3.361	3.556	0.147			1.8	126	30
21/12/23 03:45	0.285	3.363	3.647	0.151			1.5	121	32
21/12/23 03:50	0.218	3.543	3.761	0.163			1.5	128	30
21/12/23 03:55	0.279	3.722	4.001	0.156			1.5	126	36
21/12/23 04:00	0.305	3.792	4.097	0.142			1.4	120	30
21/12/23 04:05	0.356	4.061	4.417	0.130			1.6	125	29
21/12/23 04:10	0.255	4.195	4.451	0.103			1.7	127	31
21/12/23 04:15	0.233	4.426	4.659	0.169			1.5	120	28
21/12/23 04:20	0.194	4.716	4.910	0.124			2.1	114	17
21/12/23 04:25	0.181	5.065	5.246	0.142			1.7	121	18
21/12/23 04:30	0.140	5.354	5.494	0.156			2.1	122	16
21/12/23 04:35	0.114	5.654	5.768	0.141			2.0	116	18
21/12/23 04:40	0.136	5.962	6.099	0.174			1.9	121	18
21/12/23 04:45	0.052	6.145	6.198	0.247			1.8	117	17
21/12/23 04:50	0.068	6.336	6.404	0.191			2.4	110	15
21/12/23 04:55	0.204	6.569	6.773	0.157			2.1	111	16
21/12/23 05:00	0.464	6.841	7.305	0.152			2.0	117	18
21/12/23 05:05	0.392	6.827	7.220	0.154			2.4	117	15
21/12/23 05:10	1.012	7.217	8.230	0.192			2.3	121	13
21/12/23 05:15	1.884	6.249	8.132	0.112			2.7	126	13
21/12/23 05:20	0.310	6.321	6.630	0.129			2.2	125	13
21/12/23 05:25	0.469	6.209	6.678	0.169			2.2	128	12
21/12/23 05:30	1.460	6.190	7.650	0.204			2.8	125	12
21/12/23 05:35	1.148	5.247	6.395	0.268			3.0	127	08
21/12/23 05:40	2.935	7.709	10.644	0.341			2.1	121	15
21/12/23 05:45	10.269	13.145	23.414	0.367			2.1	121	15
21/12/23 05:50	5.632	5.008	10.639	0.359			2.6	122	12

Station Pier Ambient Air Quality Monitoring
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/12/23 05:55	5.645	6.765	12.410	0.380			2.8	122	14
21/12/23 06:00	6.590	5.908	12.498	0.355			3.0	117	13
21/12/23 06:05	19.384	5.364	24.748	0.408			2.2	120	14
21/12/23 06:10	6.546	6.877	13.423	0.444			2.7	117	18
21/12/23 06:15	9.277	1.975	11.253	0.426			2.8	121	12
21/12/23 06:20	3.381	4.632	8.012	0.411			3.2	115	13
21/12/23 06:25	2.939	5.044	7.983	0.369			2.6	120	17
21/12/23 06:30	3.309	4.766	8.075	0.385			2.8	118	14
21/12/23 06:35	3.621	5.388	9.009	0.411			2.5	115	15
21/12/23 06:40	6.524	3.857	10.381	0.512			2.6	124	16
21/12/23 06:45	6.422	5.827	12.249	0.524			2.8	118	16
21/12/23 06:50	3.019	5.173	8.192	0.440			2.3	119	19
21/12/23 06:55	6.637	3.837	10.473	0.457			2.7	119	20
21/12/23 07:00	3.142	3.737	6.879	0.410			2.5	121	16
21/12/23 07:05	2.987	3.827	6.814	0.431			3.1	122	15
21/12/23 07:10	8.736	2.791	11.527	0.528			2.6	123	18
21/12/23 07:15	4.487	4.112	8.599	0.508			2.7	123	17
21/12/23 07:20	5.291	3.865	9.157	0.461			2.6	123	20
21/12/23 07:25	5.010	3.630	8.640	0.398			3.4	126	11
21/12/23 07:30	13.091	3.429	16.520	0.341			2.9	127	17
21/12/23 07:35	7.027	4.155	11.182	0.345			2.9	121	11
21/12/23 07:40	5.546	4.538	10.084	0.356			3.0	113	13
21/12/23 07:45	4.760	4.064	8.824	0.299			2.9	123	17
21/12/23 07:50	5.272	4.568	9.840	0.308			3.0	120	14
21/12/23 07:55	3.919	3.422	7.341	0.295			2.6	118	15
21/12/23 08:00	3.575	4.085	7.660	0.287			2.6	115	15
21/12/23 08:05	4.880	6.656	11.536	0.284			2.1	119	27
21/12/23 08:10	3.762	2.668	6.429	0.339			2.4	116	17
21/12/23 08:15	2.367	2.891	5.258	0.349			1.5	123	37
21/12/23 08:20	3.080	2.576	5.656	0.330			1.9	123	30
21/12/23 08:25	2.458	2.761	5.220	0.373			2.3	121	17
21/12/23 08:30	8.880	8.569	17.449	0.421			1.6	125	34
21/12/23 08:35	2.325	1.947	4.272	0.465			2.6	120	21
21/12/23 08:40	1.877	1.892	3.768	0.413			2.0	125	31
21/12/23 08:45	1.600	1.599	3.200	0.349			2.3	123	20
21/12/23 08:50	1.441	1.693	3.134	0.324			1.3	128	45
21/12/23 08:55	1.500	2.758	4.258	0.309			1.5	133	45
21/12/23 09:00	3.046	4.066	7.112	0.294			2.9	120	16
21/12/23 09:05	1.938	1.630	3.568	0.241			1.8	135	33
21/12/23 09:10	2.303	1.435	3.739	0.199			2.4	156	21
21/12/23 09:15	2.344	2.450	4.794	0.135			1.3	124	41
21/12/23 09:20	1.683	1.651	3.334	0.158			1.7	147	33
21/12/23 09:25	2.746	1.689	4.436	0.212			2.9	118	17
21/12/23 09:30	1.622	1.716	3.338	0.280			2.0	130	31
21/12/23 09:35	3.544	1.356	4.900	0.307			2.2	144	31
21/12/23 09:40	1.877	1.892	3.768	0.413			2.0	125	31
21/12/23 09:45	1.600	1.599	3.200	0.349			2.3	123	20
21/12/23 09:50	1.441	1.693	3.134	0.324			1.3	128	45
21/12/23 09:55	1.500	2.758	4.258	0.309			1.5	133	45
21/12/23 10:00	3.046	4.066	7.112	0.294			2.9	120	16
21/12/23 10:05	1.938	1.630	3.568	0.241			1.8	135	33
21/12/23 10:10	2.303	1.435	3.739	0.199			2.4	156	21
21/12/23 10:15	2.344	2.450	4.794	0.135			1.3	124	41
21/12/23 10:20	1.683	1.651	3.334	0.158			1.7	147	33
21/12/23 10:25	2.746	1.689	4.436	0.212			2.9	118	17
21/12/23 10:30	1.622	1.716	3.338	0.280			2.0	130	31
21/12/23 10:35	3.544	1.356	4.900	0.307			2.2	144	31
21/12/23 10:40	1.734	1.662	3.396	0.329			2.3	141	33
21/12/23 10:45	1.777	1.755	3.533	0.306			2.0	139	30
21/12/23 10:50	2.517	2.136	4.653	0.285			2.7	113	21
21/12/23 10:55	1.820	2.370	4.190	0.234			1.7	121	32
21/12/23 11:00	2.041	2.202	4.243	0.197			2.5	133	31
21/12/23 11:05	1.398	1.191	2.589	0.220			3.3	121	11
21/12/23 11:10	1.206	1.239	2.445	0.259			2.4	136	28
21/12/23 11:15	1.138	1.160	2.298	0.226			1.2	136	50
21/12/23 11:20	1.964	3.099	5.063	0.198			1.0	150	42
21/12/23 11:25	1.331	0.492	1.823	0.141			1.8	159	34
21/12/23 11:30	1.163	0.861	2.025	0.117			3.0	154	17
21/12/23 11:35	0.564	1.187	1.751	0.093			2.1	128	31
21/12/23 11:40	0.656	1.372	2.028	0.100			1.5	140	47
21/12/23 11:45	0.702	1.348	2.050	0.044			3.4	159	17
21/12/23 11:50	2.157	1.307	3.464	0.169			1.9	124	26
21/12/23 11:55	2.380	1.525	3.904	0.143			2.5	149	19
21/12/23 12:00	0.950	1.629	2.579	0.120			3.2	146	18
21/12/23 12:05	1.012	2.169	3.181	0.133			2.3	150	30
21/12/23 12:10	1.382	2.358	3.740	0.151			2.5	158	23
21/12/23 12:15	0.791	1.584	2.375	0.111			2.9	150	20
21/12/23 12:20	1.102	2.716	3.818	0.114			3.2	144	19
21/12/23 12:25	1.287	1.952	3.240	0.087			4.2	148	16
21/12/23 12:30	1.661	2.203	3.864	0.065			2.0	149	32
21/12/23 12:35	1.714	1.670	3.384	0.111			3.3	153	20
21/12/23 12:40	0.845	2.137	2.981	0.113			3.1	152	24
21/12/23 12:45	0.560	1.701	2.261	0.123			2.2	150	24
21/12/23 12:50	0.584	1.688	2.272	0.136			3.3	146	14
21/12/23 12:55	0.694	1.736	2.430	0.113			2.3	167	28
21/12/23 13:00	0.719	1.894	2.612	0.059			3.3	147	23
21/12/23 13:05	0.880	1.877	2.757	0.145			2.1	160	35
21/12/23 13:10	1.726	1.773	3.500	0.143			2.3	149	31
21/12/23 13:15	1.316	2.025	3.342	0.133			2.3	162	27
21/12/23 13:20	0.813	1.972	2.785	0.138			2.2	143	27
21/12/23 13:25	0.776	1.869	2.645	0.190			3.5	149	14
21/12/23 13:30	0.776	1.920	2.696	0.246			3.3	152	17
21/12/23 13:35	0.832	1.812	2.644	0.310			4.2	150	17
21/12/23 13:40	1.007	1.641	2.648	0.367			3.1	144	19
21/12/23 13:45	0.920	1.715	2.635	0.448			3.2	149	21
21/12/23 13:50	0.834	1.880	2.714	0.439			2.4	146	36
21/12/23 13:55	0.918	2.236	3.154	0.433			3.5	147	19
21/12/23 14:00	0.975	2.536	3.511	0.365			2.9	145	26
21/12/23 14:05	0.940	2.311	3.251	0.370			2.6	147	27
21/12/23 14:10	1.002	2.449	3.451	0.343			3.1	153	25
21/12/23 14:15	0.845	1.812	2.658	0.259			4.2	150	20
21/12/23 14:20	0.765	1.616	2.381	0.276			3.6	150	15
21/12/23 14:25	27.123		26.732	0.327			2.6	163	31
21/12/23 14:30	0.067	1.090	1.158	0.272			3.0	151	23
21/12/23 14:35	0.239	1.297	1.537	0.188			2.7	153	22
21/12/23 14:40	0.427	1.254	1.682	0.122			3.7	150	15

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/12/23 14:45	0.413	1.267	1.680	0.134			3.6	147	21
21/12/23 14:50	0.565	1.417	1.982	0.108			2.3	153	26
21/12/23 14:55	0.571	1.434	2.005	0.093			3.1	152	20
21/12/23 15:00	0.518	1.504	2.022	0.148			3.4	147	24
21/12/23 15:05	0.362	1.457	1.819	0.147			3.2	144	19
21/12/23 15:10	0.344	1.450	1.794	0.141			3.9	149	14
21/12/23 15:15	0.561	1.444	2.005	0.199			2.4	146	27
21/12/23 15:20	1.027	1.463	2.491	0.177			2.7	154	28
21/12/23 15:25	0.524	1.693	2.217	0.110			2.7	147	30
21/12/23 15:30	0.452	1.725	2.177	0.077			2.8	149	24
21/12/23 15:35	0.482	1.559	2.042	0.087			3.8	154	17
21/12/23 15:40	0.621	1.597	2.217	0.083			3.2	150	24
21/12/23 15:45	0.630	1.509	2.139	0.060			2.5	148	29
21/12/23 15:50	0.510	1.503	2.012	0.051			2.4	144	31
21/12/23 15:55	0.413	1.518	1.931	0.083			3.2	146	24
21/12/23 16:00	0.495	1.519	2.014	0.114			2.6	146	29
21/12/23 16:05	0.684	1.657	2.341	0.127			3.0	145	26
21/12/23 16:10	0.767	1.663	2.430	0.066			2.6	158	26
21/12/23 16:15	0.918	1.718	2.637	0.023			2.4	153	29
21/12/23 16:20	0.947	1.713	2.660	0.001			2.2	148	29
21/12/23 16:25	0.753	1.637	2.391	0.021			2.4	159	28
21/12/23 16:30	0.684	1.642	2.327	-0.031			4.0	148	21
21/12/23 16:35	0.658	1.586	2.244	0.045			2.1	152	32
21/12/23 16:40	0.561	1.491	2.053	-0.007			2.4	148	36
21/12/23 16:45	0.563	1.544	2.107	-0.034			3.6	157	25
21/12/23 16:50	0.641	1.510	2.151	-0.053			3.5	155	20
21/12/23 16:55	0.608	1.578	2.185	0.013			1.4	132	44
21/12/23 17:00	0.618	1.520	2.139	-0.007			1.9	117	32
21/12/23 17:05	0.650	1.410	2.060	-0.030			1.0	138	57
21/12/23 17:10	0.592	1.436	2.029	-0.015			2.8	147	31
21/12/23 17:15	0.504	1.447	1.951	-0.028			2.8	137	29
21/12/23 17:20	0.412	1.336	1.748	-0.039			2.8	122	23
21/12/23 17:25	0.454	1.330	1.784	0.017			2.7	128	22
21/12/23 17:30	0.438	1.394	1.832	0.049			2.7	151	33
21/12/23 17:35	0.369	1.325	1.694	0.078			2.7	160	26
21/12/23 17:40	0.303	1.311	1.614	0.017			2.6	159	24
21/12/23 17:45	0.430	1.356	1.786	-0.018			3.0	151	26
21/12/23 17:50	0.481	1.346	1.827	-0.067			2.2	129	35
21/12/23 17:55	0.348	1.307	1.655	-0.087			1.9	159	44
21/12/23 18:00	0.486	1.379	1.865	-0.083			2.0	126	39
21/12/23 18:05	0.478	1.364	1.841	-0.080			3.3	121	25
21/12/23 18:10	0.433	1.305	1.738	-0.059			2.3	123	31
21/12/23 18:15	0.457	1.339	1.796	-0.098			3.5	122	13
21/12/23 18:20	0.404	1.403	1.806	-0.059			2.7	122	30
21/12/23 18:25	0.352	1.289	1.641	-0.024			3.5	124	25
21/12/23 18:30	0.294	1.184	1.478	-0.051			3.8	125	11
21/12/23 18:35	0.305	1.182	1.487	-0.045			4.3	125	12
21/12/23 18:40	0.434	1.135	1.569	-0.013			4.3	120	12
21/12/23 18:45	0.429	1.188	1.617	0.015			3.7	117	18
21/12/23 18:50	0.394	1.214	1.608	0.033			4.6	123	09
21/12/23 18:55	0.292	1.207	1.499	0.019			4.2	123	10
21/12/23 19:00	0.253	1.293	1.546	-0.053			2.4	123	30
21/12/23 19:05	0.209	1.253	1.462	-0.093			3.2	118	19
21/12/23 19:10	0.140	1.296	1.436	-0.085			4.0	121	20
21/12/23 19:15	0.129	1.365	1.494	-0.032			4.2	123	10
21/12/23 19:20	0.144	1.427	1.570	-0.039			3.7	123	15
21/12/23 19:25	0.061	1.444	1.505	-0.037			3.9	120	11
21/12/23 19:30	0.009	1.409	1.417	-0.049			4.0	124	15
21/12/23 19:35	0.003	1.420	1.422	-0.039			4.2	124	12
21/12/23 19:40	0.007	1.457	1.464	-0.004			4.0	121	12
21/12/23 19:45	0.077	1.484	1.561	0.011			3.1	121	22
21/12/23 19:50	0.132	1.543	1.675	-0.073			2.7	124	30
21/12/23 19:55	0.150	1.459	1.609	-0.097			3.3	123	16
21/12/23 20:00	0.055	1.375	1.431	-0.041			3.2	120	26
21/12/23 20:05	-0.122	1.485	1.363	-0.038			3.1	123	20
21/12/23 20:10	-0.161	1.529	1.367	-0.053			3.7	122	11
21/12/23 20:15	-0.088	1.620	1.532	-0.078			3.2	122	13
21/12/23 20:20	0.006	1.660	1.666	-0.064			3.2	121	12
21/12/23 20:25	0.050	1.659	1.709	0.052			3.9	121	14
21/12/23 20:30	0.145	1.572	1.717	0.094			3.3	122	20
21/12/23 20:35	0.178	1.584	1.762	0.073			2.4	126	26
21/12/23 20:40	0.097	1.634	1.731	0.053			2.5	125	21
21/12/23 20:45	0.088	1.575	1.663	0.067			2.7	120	27
21/12/23 20:50	0.210	1.555	1.765	0.069			2.9	118	23
21/12/23 20:55	0.256	1.556	1.812	0.077			2.6	122	20
21/12/23 21:00	0.258	1.555	1.813	0.098			2.3	130	26
21/12/23 21:05	0.252	1.543	1.795	0.076			2.1	120	24
21/12/23 21:10	0.241	1.568	1.809	0.154			2.2	125	27
21/12/23 21:15	0.129	1.599	1.729	0.102			2.4	126	31
21/12/23 21:20	-0.033	1.667	1.634	0.017			2.5	120	25
21/12/23 21:25	-0.117	1.725	1.607	-0.030			1.8	126	29
21/12/23 21:30	-0.100	1.810	1.709	0.024			1.3	124	42
21/12/23 21:35	-0.039	1.830	1.791	0.017			2.3	127	26
21/12/23 21:40	-0.014	1.815	1.801	0.004			2.0	129	27
21/12/23 21:45	0.006	1.764	1.770	-0.008			1.7	130	38
21/12/23 21:50	-0.030	1.675	1.645	0.049			1.8	125	34
21/12/23 21:55	0.160	1.548	1.708	-0.001			2.4	129	21
21/12/23 22:00	0.223	1.533	1.756	-0.026			1.8	136	33
21/12/23 22:05	0.197	1.608	1.805	0.031			2.3	126	27
21/12/23 22:10	0.201	1.604	1.805	0.016			2.5	130	22
21/12/23 22:15	0.168	1.489	1.658	0.047			2.3	125	28
21/12/23 22:20	0.039	1.476	1.515	-0.045			1.8	121	28
21/12/23 22:25	0.062	1.397	1.460	-0.072			3.0	125	16
21/12/23 22:30	0.088	1.442	1.529	-0.083			2.5	125	22
21/12/23 22:35	0.022	1.369	1.391	-0.047			2.7	123	18
21/12/23 22:40	0.059	1.358	1.417	-0.005			2.7	122	19
21/12/23 22:45	0.008	1.388	1.397	-0.025			2.2	127	26
21/12/23 22:50	0.074	1.393	1.467	-0.129			2.5	124	18
21/12/23 22:55	0.048	1.433	1.481	-0.134			3.0	126	16
21/12/23 23:00	0.031	1.450	1.481	-0.124			1.8	122	15
21/12/23 23:05	-0.015	1.390	1.375	-0.032			2.5	119	18
21/12/23 23:10	-0.038	1.348	1.310	-0.009			2.5	124	14
21/12/23 23:15	-0.063	1.294	1.231	-0.014			2.0	126	20
21/12/23 23:20	-0.014	1.290	1.276	-0.077			2.7	123	14
21/12/23 23:25	0.028	1.310	1.338	-0.092			2.7	123	15
21/12/23 23:30	0.151	1.318	1.469	-0.040			2.4	127	18

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
21/12/23 23:35	0.122	1.370	1.492	-0.015			2.9	119	16
21/12/23 23:40	0.101	1.492	1.593	0.003			2.5	116	18
21/12/23 23:45	0.168	1.395	1.563	0.004			2.5	118	14
21/12/23 23:50	0.139	1.380	1.519				2.8	114	15
21/12/23 23:55	0.035	1.378	1.414				2.3	116	16
22/12/23 00:00	-0.035	1.268	1.233				2.5	115	15
22/12/23 00:05	0.060	1.182	1.242	-0.021			3.3	114	14
22/12/23 00:10	0.065	1.121	1.185	0.021			2.7	118	14
22/12/23 00:15	0.171	1.077	1.248	0.037			2.7	115	14
22/12/23 00:20	0.291	1.075	1.366	-0.015			2.5	113	14
22/12/23 00:25	0.292	1.116	1.407	-0.034			2.9	116	16
22/12/23 00:30	0.200	1.094	1.295	-0.016			2.8	112	13
22/12/23 00:35	0.202	1.110	1.312	-0.017			2.5	113	13
22/12/23 00:40	0.247	1.086	1.333	-0.037			2.6	115	17
22/12/23 00:45	0.212	1.008	1.219	0.025			3.0	111	13
22/12/23 00:50	0.201	0.872	1.073	0.054			2.6	115	15
22/12/23 00:55	0.189	0.864	1.053	0.040			2.9	112	15
22/12/23 01:00	0.238	0.888	1.126	0.065			2.6	118	14
22/12/23 01:05							2.6	118	15
22/12/23 01:10							2.4	119	15
22/12/23 01:15							2.5	120	18
22/12/23 01:20							2.7	123	11
22/12/23 01:25							2.2	121	15
22/12/23 01:30							2.3	119	21
22/12/23 01:35							1.7	121	23
22/12/23 01:40							1.7	121	27
22/12/23 01:45							2.0	120	19
22/12/23 01:50							2.1	122	24
22/12/23 01:55							1.7	117	24
22/12/23 02:00							1.4	121	30
22/12/23 02:05	0.130	1.545	1.675	0.200			1.8	122	26
22/12/23 02:10	0.166	1.734	1.900	0.226			1.7	122	20
22/12/23 02:15	0.030	1.993	2.023	0.198			1.4	121	31
22/12/23 02:20	-0.042	2.093	2.051	0.211			0.7	163	56
22/12/23 02:25	-0.123	2.351	2.228	0.248			0.8	155	53
22/12/23 02:30	-0.057	2.539	2.482	0.205			1.8	152	28
22/12/23 02:35	-0.020	2.852	2.831	0.216			1.6	161	31
22/12/23 02:40	0.040	3.221	3.262	0.229			0.7	163	62
22/12/23 02:45	0.122	3.518	3.640	0.205			0.9	130	47
22/12/23 02:50	-0.015	3.798	3.783	0.233			1.0	145	48
22/12/23 02:55	-0.009	3.857	3.848	0.282			1.6	169	31
22/12/23 03:00	-0.012	3.988	3.975	0.209			0.8	170	55
22/12/23 03:05	-0.050	4.089	4.039	0.121			0.6	136	62
22/12/23 03:10	-0.098	4.134	4.036	0.071			1.0	154	50
22/12/23 03:15	-0.094	4.080	3.986	0.129			1.0	142	46
22/12/23 03:20	-0.030	4.065	4.035	0.172			1.1	124	44
22/12/23 03:25	0.037	4.058	4.095	0.163			2.2	126	23
22/12/23 03:30	0.002	4.118	4.120	0.287			2.1	122	26
22/12/23 03:35	-0.030	4.212	4.182	0.304			2.2	122	18
22/12/23 03:40	0.060	4.338	4.398	0.273			2.3	128	22
22/12/23 03:45	0.093	4.498	4.591	0.225			2.1	122	23
22/12/23 03:50	0.163	4.661	4.824	0.262			2.2	123	22
22/12/23 03:55	0.173	4.786	4.959	0.288			2.9	123	17
22/12/23 04:00	0.175	4.769	4.944	0.288			2.4	118	18
22/12/23 04:05	0.192	4.679	4.871	0.344			2.7	123	15
22/12/23 04:10	0.195	4.506	4.701	0.347			2.8	124	13
22/12/23 04:15	0.144	4.301	4.446	0.281			2.3	122	20
22/12/23 04:20	0.084	4.158	4.242	0.200			2.4	121	18
22/12/23 04:25	0.295	4.144	4.439	0.120			2.2	122	20
22/12/23 04:30	0.218	3.911	4.129	0.132			2.1	118	18
22/12/23 04:35	0.130	3.724	3.854	0.112			2.2	114	15
22/12/23 04:40	0.134	3.555	3.688	0.168			1.9	118	16
22/12/23 04:45	0.132	3.347	3.479	0.231			2.0	122	15
22/12/23 04:50	0.061	3.369	3.430	0.239			1.8	118	25
22/12/23 04:55	0.049	3.508	3.556	0.246			2.1	113	17
22/12/23 05:00	0.026	3.619	3.644	0.195			2.0	123	15
22/12/23 05:05	0.249	3.835	4.084	0.106			2.2	111	12
22/12/23 05:10	11.611		6.362	0.062			1.7	116	23
22/12/23 05:15	7.837	11.055	18.892	0.169			2.1	122	17
22/12/23 05:20	1.018	4.211	5.228	0.252			2.4	120	16
22/12/23 05:25	0.934	4.296	5.231	0.269			2.5	123	13
22/12/23 05:30	0.849	4.381	5.229	0.241			2.5	116	17
22/12/23 05:35	0.751	4.213	4.963	0.190			2.3	124	15
22/12/23 05:40	0.769	4.208	4.977	0.216			2.4	120	13
22/12/23 05:45	0.796	4.227	5.023	0.184			2.8	120	14
22/12/23 05:50	0.870	4.264	5.134	0.091			2.7	120	13
22/12/23 05:55	1.430	4.607	6.037	0.106			2.7	120	16
22/12/23 06:00	2.154	4.163	6.317	0.080			2.5	120	15
22/12/23 06:05	2.571	3.229	5.800	0.137			2.9	119	14
22/12/23 06:10	3.295	6.849	10.144	0.166			2.7	119	14
22/12/23 06:15	3.491	3.937	7.428	0.210			2.7	118	10
22/12/23 06:20	2.244	3.697	5.940	0.258			2.9	120	13
22/12/23 06:25	2.288	3.304	5.591	0.189			3.2	117	14
22/12/23 06:30	2.188	3.838	6.026	0.144			3.1	114	11
22/12/23 06:35	2.107	3.572	5.678	0.176			2.6	117	14
22/12/23 06:40	2.183	3.451	5.634	0.307			2.7	120	11
22/12/23 06:45	2.173	4.042	6.215	0.319			2.5	124	11
22/12/23 06:50	2.549	3.323	5.872	0.321			2.2	123	14
22/12/23 06:55	3.285	3.414	6.699	0.379			2.2	115	16
22/12/23 07:00	3.828	6.658	10.487	0.427			2.0	120	18
22/12/23 07:05	1.326	3.108	4.433	0.422			2.5	126	15
22/12/23 07:10	2.673	4.388	7.061	0.343			2.4	127	16
22/12/23 07:15	1.805	2.900	4.705	0.353			2.1	122	18
22/12/23 07:20	2.402	2.955	5.357	0.372			2.7	119	17
22/12/23 07:25	6.084	10.592	16.676	0.355			2.6	119	17
22/12/23 07:30	3.490	3.466	6.956	0.340			1.6	122	35
22/12/23 07:35	3.434	4.023	7.457	0.263			3.0	126	16
22/12/23 07:40	5.294	0.838	6.133	0.273			2.5	120	16
22/12/23 07:45	13.065	15.648	28.713	0.311			1.9	139	26
22/12/23 07:50	3.632	3.361	6.994	0.315			1.5	130	35
22/12/23 07:55	12.654	4.754	17.408	0.294			1.3	127	44
22/12/23 08:00	17.762	18.261	36.023	0.335			1.5	139	37
22/12/23 08:05	3.572	3.371	6.942	0.325			1.1	141	43
22/12/23 08:10	4.456	3.070	7.525	0.213			2.1	156	32
22/12/23 08:15	1.830	2.096	3.926	0.088			3.5	158	17
22/12/23 08:20	1.996	1.352	3.347	0.085			2.7	160	25

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/12/23 08:25	3.096	7.258	10.354	0.077			1.2	150	48
22/12/23 08:30	4.154	1.262	5.416	0.079			1.3	147	44
22/12/23 08:35	1.972	1.965	3.936	0.114			2.4	139	23
22/12/23 08:40	2.226	1.967	4.193	0.142			1.4	134	42
22/12/23 08:45	2.961	0.601	3.562	0.122			1.8	130	36
22/12/23 08:50	6.969	0.437	7.406	0.090			2.3	159	25
22/12/23 08:55	2.260	2.145	4.405	-0.034			1.8	144	37
22/12/23 09:00	0.947	1.810	2.758	-0.083			3.8	156	16
22/12/23 09:05	1.671	2.374	4.045	-0.104			1.9	157	29
22/12/23 09:10	1.590	1.685	3.275	-0.038			1.4	146	36
22/12/23 09:15	2.205	1.706	3.910	-0.047			2.5	157	24
22/12/23 09:20	1.380	1.658	3.038	-0.022			2.4	129	25
22/12/23 09:25	1.350	1.548	2.898	-0.032			2.0	123	18
22/12/23 09:30	1.993	1.521	3.515	-0.048			2.5	126	18
22/12/23 09:35	1.097	1.630	2.726	-0.082			1.4	126	28
22/12/23 09:40	0.665	1.398	2.063	-0.129			2.0	135	27
22/12/23 09:45	0.840	1.414	2.254	-0.123			2.1	135	23
22/12/23 09:50	1.814	1.182	2.997	-0.091			2.2	156	24
22/12/23 09:55	1.477	1.776	3.254	-0.106			2.7	147	20
22/12/23 10:00	0.382	2.002	2.384	-0.125			1.0	138	49
22/12/23 10:05	0.535	1.941	2.476	-0.048			2.9	153	16
22/12/23 10:10	0.869	1.835	2.704	0.012			3.0	149	17
22/12/23 10:15	0.771	1.754	2.526	0.092			2.7	152	19
22/12/23 10:20	0.872	1.683	2.555	0.186			1.9	157	25
22/12/23 10:25	0.916	2.461	3.377	0.186			2.4	145	20
22/12/23 10:30	3.302		2.774	0.167			2.0	148	25
22/12/23 10:35	2.367	4.554	6.921	0.155			2.7	155	23
22/12/23 10:40	1.229	1.059	2.288	0.124			2.3	142	20
22/12/23 10:45	0.733	1.342	2.074	0.125			1.6	152	30
22/12/23 10:50	1.444	2.030	3.473	0.062			2.2	147	26
22/12/23 10:55	2.286	2.176	4.462	-0.015			1.4	162	34
22/12/23 11:00	3.573	3.961	7.535	-0.005			1.2	179	37
22/12/23 11:05	2.623	3.081	5.704	0.019			2.0	151	28
22/12/23 11:10	1.984	1.926	3.910	0.040			1.5	152	32
22/12/23 11:15	1.610	1.860	3.470	0.111			1.6	148	24
22/12/23 11:20	1.725	2.585	4.310	0.189			1.5	167	32
22/12/23 11:25	1.905	3.997	5.902	0.196			1.3	181	34
22/12/23 11:30	2.529	3.917	6.446	0.123			2.0	211	28
22/12/23 11:35	2.416	2.386	4.802	0.083			1.2	185	33
22/12/23 11:40	2.522	2.943	5.465	0.009			1.5	193	30
22/12/23 11:45	3.305	9.712	13.017	0.050			1.9	208	24
22/12/23 11:50	4.097	3.060	7.157	0.154			3.5	212	14
22/12/23 11:55	3.536	4.216	7.751	0.241			3.4	215	14
22/12/23 12:00	3.481	3.697	7.178	0.220			2.9	214	16
22/12/23 12:05	3.123	4.386	7.508	0.206			2.9	212	18
22/12/23 12:10	3.093	4.389	7.481	0.342			3.0	218	16
22/12/23 12:15	2.875	3.400	6.275	0.354			3.5	214	16
22/12/23 12:20	2.550	2.329	4.880	0.382			3.5	215	14
22/12/23 12:25	2.518	2.410	4.928	0.415			3.4	216	14
22/12/23 12:30	2.686	3.462	6.149	0.380			3.8	215	14
22/12/23 12:35	2.609	3.356	5.965	0.343			3.8	217	14
22/12/23 12:40	2.392	2.680	5.071	0.344			4.0	215	14
22/12/23 12:45	2.296	2.467	4.764	0.364			3.8	216	14
22/12/23 12:50	2.435	2.922	5.357	0.298			3.6	215	13
22/12/23 12:55	2.513	3.151	5.664	0.258			3.8	216	13
22/12/23 13:00	2.512	3.677	6.190	0.276			3.4	216	12
22/12/23 13:05	3.054	5.735	8.789	0.195			3.3	214	11
22/12/23 13:10	3.153	4.908	8.062	0.262			3.1	221	18
22/12/23 13:15	3.957	9.904	13.861	0.295			2.4	218	15
22/12/23 13:20	5.930	12.328	18.258	0.344			2.7	218	15
22/12/23 13:25	5.474	6.989	12.463	0.334			2.6	221	14
22/12/23 13:30	5.987	11.237	17.224	0.403			2.9	222	13
22/12/23 13:35	9.107	13.468	22.576	0.483			3.0	218	14
22/12/23 13:40	12.813	12.067	24.881	0.530			2.8	224	11
22/12/23 13:45	14.144	11.728	25.873	0.518			2.8	225	11
22/12/23 13:50	13.595	13.271	26.866	0.476			2.8	220	14
22/12/23 13:55	14.597	13.354	27.952	0.524			3.2	222	11
22/12/23 14:00	18.513	13.934	32.447	0.603			2.8	223	12
22/12/23 14:05	18.855	13.978	32.833	0.615			2.8	222	11
22/12/23 14:10	15.193	10.814	26.007	0.665			3.2	225	10
22/12/23 14:15	13.708	11.368	25.075	0.662			2.8	223	12
22/12/23 14:20	13.311	9.733	23.044	0.636			2.7	226	11
22/12/23 14:25	15.012	12.296	27.308	0.638			2.8	224	14
22/12/23 14:30	18.853	13.364	32.217	0.578			3.3	223	10
22/12/23 14:35	19.406	16.356	35.762	0.559			3.1	224	10
22/12/23 14:40	15.556	12.636	28.192	0.523			2.8	224	11
22/12/23 14:45	12.855	10.153	23.007	0.455			2.8	224	11
22/12/23 14:50	7.490	5.570	13.060	0.454			3.3	219	15
22/12/23 14:55	5.522	5.190	10.713	0.437			3.3	218	15
22/12/23 15:00	6.951	7.395	14.345	0.552			3.4	213	13
22/12/23 15:05	3.930	4.154	8.084	0.500			3.8	211	14
22/12/23 15:10	2.724	2.382	5.106	0.429			4.2	214	14
22/12/23 15:15	2.331	2.235	4.566	0.433			3.7	215	16
22/12/23 15:20	2.280	2.446	4.726	0.415			4.4	216	13
22/12/23 15:25	2.101	2.261	4.362	0.404			3.9	214	15
22/12/23 15:30	2.038	2.329	4.367	0.351			3.7	215	15
22/12/23 15:35	2.041	2.434	4.475	0.330			4.3	213	13
22/12/23 15:40	2.376	2.594	4.970	0.352			4.1	213	13
22/12/23 15:45	2.870	2.793	5.663	0.331			3.0	209	20
22/12/23 15:50	2.501	2.151	4.652	0.342			3.0	210	26
22/12/23 15:55	1.585	1.137	2.722	0.198			3.7	213	17
22/12/23 16:00	1.738	1.775	3.514	0.154			2.8	214	26
22/12/23 16:05	2.466	2.367	4.833	0.163			4.3	216	17
22/12/23 16:10	2.917	2.234	5.151	0.159			2.8	209	24
22/12/23 16:15	2.855	1.404	4.259	0.147			3.0	209	21
22/12/23 16:20	2.549	1.347	3.896	0.118			2.8	213	23
22/12/23 16:25	2.199	0.782	2.980	0.107			2.4	197	27
22/12/23 16:30	2.215	1.053	3.268	0.052			1.7	199	38
22/12/23 16:35	2.064	1.180	3.244	0.068			2.4	192	23
22/12/23 16:40	1.146	1.151	2.297	0.083			2.3	202	30
22/12/23 16:45	0.626	0.948	1.573	0.136			2.2	202	33
22/12/23 16:50	0.413	1.034	1.448	0.116			2.2	197	27
22/12/23 16:55	0.454	1.031	1.485	0.148			2.8	194	23
22/12/23 17:00	0.329	1.100	1.428	0.137			2.7	195	25
22/12/23 17:05	0.333	1.103	1.435	0.096			2.8	186	25
22/12/23 17:10	0.346	1.078	1.424	0.046			2.7	191	21

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/12/23 17:15	0.454	0.983	1.437	0.009			2.3	193	31
22/12/23 17:20	0.271	0.937	1.208	-0.025			1.9	181	41
22/12/23 17:25	0.291	0.866	1.157	-0.026			2.2	186	44
22/12/23 17:30	0.368	0.947	1.315	-0.023			2.1	162	37
22/12/23 17:35	0.356	0.958	1.314	-0.010			2.0	167	41
22/12/23 17:40	0.299	0.877	1.177	-0.029			1.7	153	51
22/12/23 17:45	0.190	0.879	1.068	0.013			2.0	164	42
22/12/23 17:50	0.088	0.897	0.985	0.039			2.4	147	38
22/12/23 17:55	0.085	0.855	0.940	0.057			2.1	161	44
22/12/23 18:00	0.022	0.885	0.906	0.055			2.0	188	35
22/12/23 18:05	0.122	0.893	1.014	0.034			1.8	163	47
22/12/23 18:10	0.122	0.897	1.019	0.017			1.5	158	51
22/12/23 18:15	0.164	0.919	1.083	0.024			2.9	144	32
22/12/23 18:20	0.102	0.882	0.984	0.048			3.6	143	23
22/12/23 18:25	0.068	0.808	0.876	0.071			2.4	144	35
22/12/23 18:30	0.130	0.777	0.907	0.123			2.2	144	33
22/12/23 18:35	0.131	0.839	0.970	0.101			2.7	145	30
22/12/23 18:40	0.160	0.861	1.022	0.155			1.9	150	41
22/12/23 18:45	0.153	0.858	1.011	0.156			2.1	171	41
22/12/23 18:50	0.239	0.929	1.168	0.109			2.5	151	34
22/12/23 18:55	0.235	0.977	1.212	0.076			3.5	150	27
22/12/23 19:00	0.160	0.989	1.150	0.060			4.0	147	25
22/12/23 19:05	0.035	0.979	1.013	0.015			4.0	144	18
22/12/23 19:10	-0.070	0.958	0.888	-0.033			4.6	150	22
22/12/23 19:15	0.001	1.013	1.015	-0.010			3.3	151	28
22/12/23 19:20	-0.018	1.074	1.056	0.035			3.8	147	22
22/12/23 19:25	0.012	1.048	1.060	0.045			3.7	148	24
22/12/23 19:30	-0.058	1.053	0.995	-0.011			3.8	146	19
22/12/23 19:35	0.035	1.092	1.127	-0.038			3.7	145	21
22/12/23 19:40	0.145	1.124	1.269	-0.016			3.4	146	24
22/12/23 19:45	0.171	1.184	1.355	0.017			3.2	146	26
22/12/23 19:50	0.144	1.203	1.347	0.003			4.1	147	21
22/12/23 19:55	0.454	1.299	1.754	0.016			2.8	147	28
22/12/23 20:00	0.757	1.402	2.159	0.042			3.4	143	20
22/12/23 20:05	0.926	1.543	2.469	-0.006			3.5	147	18
22/12/23 20:10	1.016	1.656	2.672	-0.074			3.0	150	19
22/12/23 20:15	0.996	1.759	2.755	-0.018			3.6	155	17
22/12/23 20:20	0.868	1.763	2.631	-0.009			3.1	153	19
22/12/23 20:25	0.969	1.781	2.750	-0.007			3.1	154	18
22/12/23 20:30	1.002	1.787	2.788	-0.074			3.4	151	19
22/12/23 20:35	0.809	1.809	2.618	-0.133			2.7	153	29
22/12/23 20:40	0.652	1.886	2.538	-0.141			2.7	157	21
22/12/23 20:45	0.527	1.889	2.415	-0.067			2.6	157	27
22/12/23 20:50	0.336	2.013	2.349	-0.035			2.3	163	25
22/12/23 20:55	0.307	1.982	2.289	-0.007			2.7	155	23
22/12/23 21:00	0.251	2.041	2.292	0.025			3.1	152	22
22/12/23 21:05	0.461	2.195	2.655	0.023			2.6	156	22
22/12/23 21:10	0.548	2.335	2.883	0.068			2.3	159	24
22/12/23 21:15	0.443	2.325	2.768	0.088			1.4	153	49
22/12/23 21:20	0.388	2.320	2.707	0.079			0.9	139	54
22/12/23 21:25	0.413	2.575	2.988	0.090			1.1	136	53
22/12/23 21:30	0.386	2.953	3.340	0.107			1.8	127	38
22/12/23 21:35	0.267	3.411	3.678	0.136			1.6	124	38
22/12/23 21:40	0.192	3.610	3.802	0.115			3.1	123	24
22/12/23 21:45	0.172	3.459	3.631	0.140			1.9	132	31
22/12/23 21:50	0.206	3.849	4.056	0.113			1.9	127	35
22/12/23 21:55	0.257	4.142	4.398	0.058			2.7	125	24
22/12/23 22:00	0.215	4.077	4.292	0.155			3.7	122	11
22/12/23 22:05	0.210	3.863	4.073	0.205			3.0	120	17
22/12/23 22:10	0.161	3.662	3.823	0.186			2.8	127	20
22/12/23 22:15	0.103	3.529	3.632	0.190			3.1	118	14
22/12/23 22:20	0.075	3.376	3.451	0.210			3.0	121	18
22/12/23 22:25	0.061	3.498	3.559	0.184			3.1	125	17
22/12/23 22:30	-0.032	3.968	3.935	0.251			2.1	125	34
22/12/23 22:35	-0.062	4.321	4.258	0.281			2.5	125	26
22/12/23 22:40	0.122	4.409	4.531	0.321			3.1	122	20
22/12/23 22:45	0.150	4.305	4.455	0.220			2.0	121	36
22/12/23 22:50	0.032	4.152	4.184	0.180			2.3	120	28
22/12/23 22:55	0.042	3.880	3.922	0.213			2.2	119	33
22/12/23 23:00	0.018	3.733	3.751	0.172			1.9	127	36
22/12/23 23:05	-0.048	3.630	3.582	0.203			1.5	123	42
22/12/23 23:10	-0.080	3.521	3.441	0.203			1.9	149	38
22/12/23 23:15	-0.047	3.365	3.318	0.232			1.4	157	42
22/12/23 23:20	0.128	3.205	3.333	0.196			1.2	160	47
22/12/23 23:25	0.105	3.160	3.265	0.151			1.7	154	36
22/12/23 23:30	0.063	3.119	3.182	0.092			1.9	156	30
22/12/23 23:35	0.066	3.104	3.170	0.133			2.1	155	29
22/12/23 23:40	0.006	3.148	3.154	0.188			1.5	156	36
22/12/23 23:45	-0.040	3.198	3.158	0.196			2.6	155	21
22/12/23 23:50	-0.118	3.266	3.149				1.2	164	47
22/12/23 23:55	-0.077	3.368	3.291				1.6	158	34
23/12/23 00:00	0.009	3.436	3.445				2.0	156	31
23/12/23 00:05	0.088	3.531	3.619	0.171			2.0	153	31
23/12/23 00:10	0.087	3.640	3.727	0.304			1.9	162	30
23/12/23 00:15	0.127	3.749	3.875	0.334			1.4	162	37
23/12/23 00:20	0.074	3.968	4.042	0.243			1.0	152	48
23/12/23 00:25	0.129	4.211	4.339	0.294			1.4	145	34
23/12/23 00:30	0.210	4.403	4.613	0.325			0.8	136	59
23/12/23 00:35	0.178	4.526	4.703	0.351			0.9	151	51
23/12/23 00:40	0.089	4.713	4.802	0.347			1.2	146	36
23/12/23 00:45	0.095	4.795	4.890	0.380			1.7	136	34
23/12/23 00:50	0.100	4.760	4.860	0.297			1.3	125	41
23/12/23 00:55	0.120	4.718	4.837	0.263			2.0	126	26
23/12/23 01:00	0.206	4.589	4.796	0.307			1.6	129	32
23/12/23 01:05							2.4	125	13
23/12/23 01:10							2.2	124	17
23/12/23 01:15							2.5	123	15
23/12/23 01:20							2.2	119	15
23/12/23 01:25							1.8	123	24
23/12/23 01:30							2.0	123	17
23/12/23 01:35							2.3	124	15
23/12/23 01:40							2.1	132	22
23/12/23 01:45							1.8	119	15
23/12/23 01:50							1.8	120	17
23/12/23 01:55							1.7	122	19
23/12/23 02:00							1.6	114	30

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/12/23 02:05	0.281	3.654	3.935	0.199			1.8	122	23
23/12/23 02:10	0.244	3.415	3.659	0.173			2.0	113	14
23/12/23 02:15	0.254	3.291	3.545	0.206			1.7	116	22
23/12/23 02:20	0.178	3.210	3.388	0.288			2.0	111	14
23/12/23 02:25	0.187	3.120	3.307	0.333			2.0	117	17
23/12/23 02:30	0.175	3.025	3.200	0.378			1.9	112	14
23/12/23 02:35	0.159	3.010	3.169	0.346			1.5	120	17
23/12/23 02:40	0.025	3.025	3.050	0.350			1.7	122	15
23/12/23 02:45	0.000	3.080	3.081	0.293			2.0	120	14
23/12/23 02:50	0.059	3.154	3.213	0.297			1.9	113	14
23/12/23 02:55	0.193	3.241	3.434	0.289			1.8	119	16
23/12/23 03:00	0.150	3.400	3.550	0.355			2.3	116	14
23/12/23 03:05	0.140	3.541	3.681	0.392			1.9	116	16
23/12/23 03:10	0.067	3.664	3.731	0.314			1.6	112	16
23/12/23 03:15	0.032	3.623	3.655	0.336			1.7	117	18
23/12/23 03:20	0.079	3.591	3.671	0.321			1.9	110	14
23/12/23 03:25	0.131	3.530	3.661	0.337			1.8	102	18
23/12/23 03:30	0.216	3.392	3.608	0.358			1.8	112	21
23/12/23 03:35	0.201	3.369	3.570	0.396			2.1	115	17
23/12/23 03:40	0.268	3.246	3.514	0.352			2.4	108	16
23/12/23 03:45	0.205	3.183	3.388	0.400			1.5	116	17
23/12/23 03:50	0.112	3.136	3.248	0.465			1.9	108	13
23/12/23 03:55	0.080	3.161	3.241	0.563			2.2	113	11
23/12/23 04:00	0.033	3.114	3.147	0.490			1.8	116	15
23/12/23 04:05	0.161	3.046	3.208	0.454			1.4	116	17
23/12/23 04:10	0.207	3.006	3.213	0.470			1.7	107	19
23/12/23 04:15	0.252	2.890	3.142	0.465			1.8	115	15
23/12/23 04:20	0.248	2.854	3.101	0.488			1.6	105	16
23/12/23 04:25	0.194	2.823	3.018	0.483			1.8	115	15
23/12/23 04:30	0.071	2.846	2.916	0.552			2.1	108	16
23/12/23 04:35	-0.003	2.876	2.873	0.546			2.2	111	15
23/12/23 04:40	0.025	2.843	2.869	0.558			1.6	110	12
23/12/23 04:45	0.040	2.880	2.920	0.547			1.4	112	19
23/12/23 04:50	0.168	3.015	3.184	0.525			1.7	111	17
23/12/23 04:55	0.121	3.080	3.201	0.512			1.5	106	14
23/12/23 05:00	0.067	3.170	3.237	0.515			1.7	110	19
23/12/23 05:05	0.095	3.221	3.316	0.516			1.9	114	15
23/12/23 05:10	0.205	3.259	3.464	0.524			1.7	108	14
23/12/23 05:15	1.080	5.178	6.257	0.600			1.9	107	15
23/12/23 05:20	0.070	3.135	3.205	0.642			1.8	110	12
23/12/23 05:25	0.177	3.293	3.469	0.684			2.0	109	12
23/12/23 05:30	0.269	3.293	3.562	0.664			1.6	107	13
23/12/23 05:35	0.550	3.188	3.738	0.650			1.8	111	18
23/12/23 05:40	0.470	3.021	3.491	0.657			1.9	114	16
23/12/23 05:45	0.384	2.844	3.227	0.675			1.7	114	16
23/12/23 05:50	0.583	2.764	3.348	0.738			1.6	114	17
23/12/23 05:55	0.704	2.984	3.687	0.740			1.6	109	12
23/12/23 06:00	0.898	5.079	5.977	0.742			1.4	113	16
23/12/23 06:05	18.238	16.629	34.866	0.849			1.9	114	15
23/12/23 06:10	14.417	7.069	21.485	0.905			1.9	114	14
23/12/23 06:15	3.894	2.362	6.257	0.864			1.7	115	15
23/12/23 06:20	1.484	2.398	3.882	0.786			1.2	116	26
23/12/23 06:25	1.651	2.351	4.003	0.774			2.1	101	16
23/12/23 06:30	1.290	2.446	3.736	0.783			1.8	115	13
23/12/23 06:35	1.393	2.416	3.809	0.776			2.0	113	14
23/12/23 06:40	1.533	2.509	4.041	0.724			2.1	106	14
23/12/23 06:45	1.635	2.467	4.102	0.733			2.0	110	14
23/12/23 06:50	24.141		18.980	0.804			1.8	116	14
23/12/23 06:55	1.651	3.095	4.746	0.720			1.4	122	24
23/12/23 07:00	1.655	2.557	4.211	0.712			1.1	129	19
23/12/23 07:05	1.746	2.760	4.507	0.717			0.7	142	41
23/12/23 07:10	12.750		10.314	0.776			1.0	109	26
23/12/23 07:15	3.239	4.221	7.461	0.857			1.2	100	16
23/12/23 07:20	2.379	3.064	5.443	0.874			1.1	97	36
23/12/23 07:25	2.898	2.820	5.718	0.839			1.0	122	16
23/12/23 07:30	2.930	2.733	5.663	0.826			1.2	105	18
23/12/23 07:35	3.767	2.765	6.532	0.814			0.6	97	44
23/12/23 07:40	21.120	12.340	33.459	0.879			1.5	116	20
23/12/23 07:45	2.655	3.226	5.881	0.838			0.5	120	23
23/12/23 07:50	2.211	3.788	5.998	0.751			0.5	185	31
23/12/23 07:55	2.747	3.691	6.438	0.759			1.1	103	31
23/12/23 08:00	2.940	3.460	6.399	0.753			0.7	160	39
23/12/23 08:05	3.125	3.347	6.472	0.803			0.7	191	28
23/12/23 08:10	3.140	3.383	6.523	0.817			0.6	186	40
23/12/23 08:15	3.281	3.493	6.775	0.893			0.6	174	42
23/12/23 08:20	3.185	3.513	6.698	0.893			0.7	192	35
23/12/23 08:25	3.061	3.481	6.542	0.885			0.7	187	37
23/12/23 08:30	2.837	3.538	6.374	0.844			0.8	189	27
23/12/23 08:35	2.524	3.504	6.028	0.745			0.6	176	39
23/12/23 08:40	2.428	3.411	5.838	0.627			0.6	184	40
23/12/23 08:45	2.361	3.358	5.719	0.655			0.4	209	43
23/12/23 08:50	2.238	3.288	5.526	0.662			0.7	214	33
23/12/23 08:55	2.001	3.213	5.214	0.646			0.8	217	26
23/12/23 09:00	1.952	3.079	5.032	0.696			0.8	212	29
23/12/23 09:05	2.024	3.109	5.133	0.736			0.9	219	26
23/12/23 09:10	2.189	3.070	5.259	0.715			0.9	217	27
23/12/23 09:15	2.148	3.145	5.293	0.677			0.9	222	28
23/12/23 09:20	1.851	3.017	4.869	0.672			1.1	227	21
23/12/23 09:25	1.707	2.878	4.585	0.673			1.0	227	20
23/12/23 09:30	1.615	2.818	4.433	0.681			1.1	225	21
23/12/23 09:35	1.502	2.760	4.262	0.666			0.8	223	24
23/12/23 09:40	1.356	2.770	4.126	0.687			1.1	233	18
23/12/23 09:45	1.302	2.712	4.014	0.658			0.8	230	26
23/12/23 09:50	1.344	2.595	3.939	0.642			1.1	229	20
23/12/23 09:55	1.304	2.454	3.758	0.656			1.2	230	18
23/12/23 10:00	1.311	2.381	3.692	0.675			0.9	235	21
23/12/23 10:05	1.409	2.549	3.958	0.655			1.0	229	18
23/12/23 10:10	1.447	2.597	4.044	0.677			1.1	233	16
23/12/23 10:15	1.242	2.337	3.579	0.670			1.1	231	16
23/12/23 10:20	1.338	2.502	3.840	0.671			1.3	231	14
23/12/23 10:25	1.532	2.628	4.160	0.616			1.3	232	20
23/12/23 10:30	1.342	2.473	3.814	0.598			1.7	231	09
23/12/23 10:35	1.288	2.418	3.706	0.572			1.7	232	10
23/12/23 10:40	1.213	2.412	3.624	0.564			1.9	229	09
23/12/23 10:45	1.080	2.493	3.573	0.526			1.9	230	09
23/12/23 10:50	1.048	2.598	3.645	0.515			1.6	227	11

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/12/23 10:55	0.914	2.607	3.521	0.572			2.5	229	10
23/12/23 11:00	0.901	2.658	3.559	0.616			2.1	224	11
23/12/23 11:05	0.864	2.614	3.478	0.679			2.4	223	11
23/12/23 11:10	0.771	2.455	3.226	0.623			2.4	229	08
23/12/23 11:15	30.569	6.817	37.386	0.727			2.4	229	09
23/12/23 11:20	1.963	4.697	6.659	0.899			2.3	220	12
23/12/23 11:25	1.703	3.381	5.084	0.863			2.3	226	12
23/12/23 11:30	1.245	2.893	4.138	0.826			2.5	229	14
23/12/23 11:35	0.948	2.474	3.422	0.760			2.4	228	10
23/12/23 11:40	0.843	2.462	3.306	0.691			2.3	229	10
23/12/23 11:45	0.838	2.289	3.127	0.641			2.7	227	08
23/12/23 11:50	0.824	2.064	2.888	0.581			2.8	233	08
23/12/23 11:55	0.732	1.761	2.493	0.514			2.0	230	11
23/12/23 12:00	0.607	1.639	2.245	0.516			2.5	232	07
23/12/23 12:05	0.524	1.666	2.190	0.549			2.7	233	08
23/12/23 12:10	0.485	1.681	2.166	0.570			2.3	230	10
23/12/23 12:15	0.406	1.613	2.019	0.665			2.6	231	09
23/12/23 12:20	0.351	1.517	1.868	0.714			2.4	233	09
23/12/23 12:25	0.270	1.475	1.746	0.771			2.3	233	08
23/12/23 12:30	0.316	1.614	1.930	0.790			2.1	231	13
23/12/23 12:35	0.397	1.788	2.185	0.859			2.7	232	11
23/12/23 12:40	0.587	1.889	2.477	0.861			2.6	226	13
23/12/23 12:45	0.659	1.843	2.502	0.916			2.7	228	12
23/12/23 12:50	1.460	3.268	4.728	0.824			3.1	229	07
23/12/23 12:55	1.971	4.224	6.195	0.888			2.7	230	09
23/12/23 13:00	1.941	4.045	5.986	0.930			2.2	228	15
23/12/23 13:05	1.454	1.728	3.182	0.853			2.6	231	11
23/12/23 13:10	1.660	3.533	5.193	0.846			2.4	227	15
23/12/23 13:15	0.834	1.962	2.796	0.942			2.8	230	10
23/12/23 13:20	2.033	3.005	5.038	0.916			3.5	229	08
23/12/23 13:25	1.927	3.700	5.628	0.919			2.9	227	10
23/12/23 13:30	2.350	2.829	5.179	0.940			3.4	226	11
23/12/23 13:35	4.193	5.993	10.186	0.970			3.4	226	10
23/12/23 13:40	15.358	5.259	20.617	0.940			3.2	225	13
23/12/23 13:45	5.758	3.478	9.235	0.927			3.3	227	12
23/12/23 13:50	13.490	4.376	17.867	0.901			3.5	225	12
23/12/23 13:55	7.089	9.477	16.565	0.861			3.0	218	15
23/12/23 14:00	7.795	5.371	13.166	0.813			2.4	214	19
23/12/23 14:05	4.242	2.003	6.245	0.796			2.8	211	22
23/12/23 14:10	4.494	3.696	8.190	0.813			3.2	210	16
23/12/23 14:15	4.802	2.467	7.269	0.830			2.7	206	15
23/12/23 14:20	7.161	2.685	9.846	0.807			3.6	207	14
23/12/23 14:25	2.368	4.007	6.375	0.803			3.2	214	15
23/12/23 14:30	1.747	3.207	4.954	0.819			2.6	212	19
23/12/23 14:35	2.014	3.504	5.518	0.787			3.2	215	17
23/12/23 14:40	2.106	3.476	5.582	0.741			3.2	213	18
23/12/23 14:45	2.336	3.711	6.048	0.708			2.9	211	16
23/12/23 14:50	2.663	3.744	6.408	0.706			3.4	213	16
23/12/23 14:55	3.001	3.349	6.350	0.659			3.0	217	19
23/12/23 15:00	7.150	11.200	18.351	0.639			3.4	210	15
23/12/23 15:05	5.351	4.451	9.802	0.661			3.3	212	15
23/12/23 15:10	1.713	2.337	4.050	0.696			3.1	219	16
23/12/23 15:15	2.459	4.913	7.372	0.734			3.8	212	15
23/12/23 15:20	1.548	1.569	3.117	0.704			3.3	208	14
23/12/23 15:25	0.974	1.816	2.790	0.629			3.5	211	16
23/12/23 15:30	20.085	28.228	48.313	0.646			3.6	210	13
23/12/23 15:35	1.559	2.099	3.659	0.716			3.3	214	15
23/12/23 15:40	0.754	1.568	2.322	0.634			3.8	211	15
23/12/23 15:45	0.808	1.648	2.456	0.580			4.3	212	13
23/12/23 15:50	1.005	1.893	2.898	0.630			3.5	212	15
23/12/23 15:55	1.094	2.017	3.111	0.628			3.5	219	15
23/12/23 16:00	1.338	2.325	3.663	0.592			3.0	213	18
23/12/23 16:05	1.394	2.252	3.647	0.548			3.1	219	18
23/12/23 16:10	1.541	2.210	3.751	0.436			3.4	214	17
23/12/23 16:15	1.484	1.946	3.430	0.384			3.8	216	14
23/12/23 16:20	1.213	1.811	3.024	0.447			3.0	214	17
23/12/23 16:25	1.076	1.626	2.702	0.418			3.4	218	15
23/12/23 16:30	0.956	1.409	2.365	0.388			3.4	211	16
23/12/23 16:35	0.925	1.328	2.253	0.423			3.0	213	16
23/12/23 16:40	0.783	1.235	2.019	0.549			3.4	213	16
23/12/23 16:45	0.684	1.229	1.913	0.523			3.6	215	14
23/12/23 16:50	0.618	1.224	1.842	0.449			3.0	212	17
23/12/23 16:55	0.829	1.338	2.167	0.506			2.9	219	17
23/12/23 17:00	0.780	1.454	2.233	0.386			3.9	212	13
23/12/23 17:05	0.693	1.401	2.094	0.303			3.2	215	19
23/12/23 17:10	0.663	1.252	1.915	0.290			3.3	215	15
23/12/23 17:15	0.538	1.133	1.671	0.264			3.3	211	18
23/12/23 17:20	0.465	1.096	1.560	0.306			2.2	209	21
23/12/23 17:25	0.416	1.025	1.441	0.336			2.0	198	30
23/12/23 17:30	0.222	0.929	1.150	0.465			1.7	196	39
23/12/23 17:35	0.176	0.876	1.052	0.498			1.6	185	37
23/12/23 17:40	0.203	0.822	1.026	0.494			1.9	190	34
23/12/23 17:45	0.075	0.840	0.915	0.592			2.0	191	29
23/12/23 17:50	0.100	0.872	0.972	0.545			1.5	191	35
23/12/23 17:55	0.171	0.862	1.033	0.525			1.6	193	39
23/12/23 18:00	0.228	0.799	1.028	0.484			1.8	189	32
23/12/23 18:05	0.210	0.800	1.010	0.395			2.3	195	24
23/12/23 18:10	0.133	0.822	0.955	0.356			1.8	195	27
23/12/23 18:15	0.153	0.806	0.958	0.347			2.1	196	22
23/12/23 18:20	0.235	0.808	1.042	0.352			2.4	196	24
23/12/23 18:25	0.221	0.761	0.982	0.359			2.2	199	26
23/12/23 18:30	0.203	0.734	0.938	0.303			1.7	191	30
23/12/23 18:35	0.151	0.717	0.868	0.380			2.0	193	28
23/12/23 18:40	0.144	0.729	0.873	0.372			1.4	199	33
23/12/23 18:45	0.105	0.824	0.929	0.388			1.6	195	35
23/12/23 18:50	0.287	1.018	1.305	0.357			1.8	204	27
23/12/23 18:55	0.328	1.012	1.340	0.345			1.9	197	27
23/12/23 19:00	0.244	0.889	1.133	0.324			2.8	214	20
23/12/23 19:05	0.123	0.814	0.937	0.339			2.1	208	22
23/12/23 19:10	0.085	0.768	0.853	0.291			2.4	212	23
23/12/23 19:15	0.100	0.809	0.909	0.272			2.2	206	23
23/12/23 19:20	0.147	0.813	0.960	0.270			2.2	209	23
23/12/23 19:25	0.112	0.887	1.000	0.302			2.2	212	24
23/12/23 19:30	0.095	0.825	0.920	0.330			1.7	210	26
23/12/23 19:35	0.140	0.865	1.005	0.351			2.0	204	21
23/12/23 19:40	0.087	0.857	0.944	0.382			1.8	198	22

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
23/12/23 19:45	0.054	0.867	0.921	0.390			2.0	204	28
23/12/23 19:50	-0.013	0.943	0.931	0.360			1.6	198	29
23/12/23 19:55	-0.011	0.918	0.907	0.390			1.8	190	30
23/12/23 20:00	-0.037	0.934	0.896	0.386			1.7	194	29
23/12/23 20:05	-0.038	0.852	0.814	0.348			1.8	201	25
23/12/23 20:10	-0.030	0.889	0.859	0.301			1.4	198	27
23/12/23 20:15	0.004	0.926	0.930	0.271			2.1	209	22
23/12/23 20:20	0.081	0.921	1.002	0.290			1.7	194	31
23/12/23 20:25	0.088	0.893	0.981	0.318			1.7	186	33
23/12/23 20:30	0.066	0.855	0.921	0.353			1.7	197	22
23/12/23 20:35	0.044	0.845	0.889	0.267			1.8	196	23
23/12/23 20:40	0.020	0.835	0.856	0.228			1.7	200	26
23/12/23 20:45	0.171	0.832	1.003	0.318			1.7	203	31
23/12/23 20:50	0.290	0.819	1.109	0.329			2.1	190	23
23/12/23 20:55	0.325	0.866	1.191	0.357			1.4	170	39
23/12/23 21:00	1.182	1.912	3.094	0.388			1.4	196	32
23/12/23 21:05	1.681	2.070	3.751	0.364			1.8	193	24
23/12/23 21:10	1.280	0.620	1.901	0.319			1.6	204	23
23/12/23 21:15	0.924	0.609	1.533	0.295			1.5	192	30
23/12/23 21:20	0.673	0.826	1.499	0.262			1.3	183	44
23/12/23 21:25	0.533	1.000	1.533	0.216			1.9	200	24
23/12/23 21:30	0.425	1.111	1.536	0.292			1.5	197	25
23/12/23 21:35	0.244	1.083	1.327	0.262			1.2	173	36
23/12/23 21:40	0.083	1.049	1.132	0.273			1.6	197	27
23/12/23 21:45	0.171	0.976	1.147	0.333			1.3	157	36
23/12/23 21:50	0.221	0.955	1.176	0.400			1.6	145	34
23/12/23 21:55	0.104	0.987	1.091	0.357			1.9	146	26
23/12/23 22:00	0.084	1.096	1.179	0.354			2.0	148	25
23/12/23 22:05	0.123	1.165	1.287	0.344			1.3	144	35
23/12/23 22:10	0.057	1.207	1.263	0.367			1.5	146	28
23/12/23 22:15	0.031	1.265	1.296	0.342			1.7	150	24
23/12/23 22:20	0.007	1.383	1.390	0.303			1.1	148	39
23/12/23 22:25	-0.037	1.426	1.390	0.380			1.7	153	23
23/12/23 22:30	0.008	1.449	1.456	0.372			2.1	153	16
23/12/23 22:35	0.021	1.561	1.581	0.342			1.9	154	21
23/12/23 22:40	-0.062	1.720	1.658	0.369			2.1	153	18
23/12/23 22:45	-0.072	1.873	1.802	0.341			1.7	155	21
23/12/23 22:50	-0.030	1.898	1.868	0.311			1.2	159	33
23/12/23 22:55	0.107	1.976	2.083	0.310			2.1	150	24
23/12/23 23:00	0.115	2.095	2.209	0.362			2.0	152	17
23/12/23 23:05	0.110	2.169	2.279	0.339			1.6	153	25
23/12/23 23:10	0.184	2.189	2.374	0.340			1.0	162	35
23/12/23 23:15	0.272	2.228	2.500	0.334			1.0	160	36
23/12/23 23:20	0.171	2.310	2.481	0.342			1.7	155	26
23/12/23 23:25	0.198	2.344	2.542	0.359			1.8	149	22
23/12/23 23:30	0.118	2.414	2.531	0.437			1.4	156	28
23/12/23 23:35	0.162	2.427	2.590	0.422			1.6	156	26
23/12/23 23:40	0.265	2.458	2.723	0.466			1.5	158	27
23/12/23 23:45	0.228	2.461	2.689	0.421			1.6	155	24
23/12/23 23:50	0.159	2.430	2.588				1.4	147	30
23/12/23 23:55	0.037	2.441	2.477				1.3	145	31
24/12/23 00:00	0.039	2.498	2.537				1.4	144	32
24/12/23 00:05	0.128	2.549	2.677	0.432			0.6	148	49
24/12/23 00:10	0.119	2.514	2.633	0.362			1.3	144	31
24/12/23 00:15	0.146	2.481	2.628	0.301			1.0	144	36
24/12/23 00:20	0.267	2.535	2.802	0.218			1.5	152	25
24/12/23 00:25	0.342	2.609	2.951	0.125			1.5	144	22
24/12/23 00:30	0.309	2.680	2.989	0.183			1.3	154	20
24/12/23 00:35	0.275	2.653	2.928	0.194			0.6	131	47
24/12/23 00:40	0.306	2.665	2.971	0.185			1.4	153	28
24/12/23 00:45	0.280	2.676	2.956	0.213			1.2	148	27
24/12/23 00:50	0.164	2.821	2.985	0.191			1.0	152	32
24/12/23 00:55	0.116	2.912	3.028	0.106			1.4	152	26
24/12/23 01:00	0.084	3.015	3.099	0.071			1.8	148	24
24/12/23 01:05							1.2	148	28
24/12/23 01:10							0.9	153	28
24/12/23 01:15							1.1	151	33
24/12/23 01:20							1.5	153	20
24/12/23 01:25							1.2	136	24
24/12/23 01:30							1.4	117	18
24/12/23 01:35							1.7	135	22
24/12/23 01:40							0.9	156	40
24/12/23 01:45							0.9	157	39
24/12/23 01:50							1.1	148	28
24/12/23 01:55							0.9	153	39
24/12/23 02:00							1.1	156	25
24/12/23 02:05	0.248	4.525	4.773	0.155			1.1	148	27
24/12/23 02:10	0.234	4.853	5.087	0.125			0.6	164	44
24/12/23 02:15	0.199	5.209	5.408	0.146			1.0	141	31
24/12/23 02:20	0.072	5.464	5.536	0.096			1.2	145	23
24/12/23 02:25	-0.040	5.569	5.529	0.175			1.1	137	26
24/12/23 02:30	0.039	5.630	5.669	0.165			0.7	125	33
24/12/23 02:35	0.043	5.590	5.633	0.120			0.6	143	46
24/12/23 02:40	-0.022	5.259	5.237	0.131			0.7	148	38
24/12/23 02:45	0.030	5.015	5.045	0.081			0.9	173	36
24/12/23 02:50	-0.006	4.957	4.951	0.067			0.8	139	30
24/12/23 02:55	-0.126	4.865	4.739	0.113			0.8	166	39
24/12/23 03:00	-0.146	4.909	4.763	0.159			0.7	187	49
24/12/23 03:05	-0.186	4.892	4.706	0.188			1.2	152	29
24/12/23 03:10	-0.215	4.779	4.564	0.243			0.8	165	36
24/12/23 03:15	-0.120	4.760	4.640	0.258			0.7	178	37
24/12/23 03:20	-0.098	4.914	4.817	0.267			0.8	163	39
24/12/23 03:25	-0.012	4.946	4.934	0.266			0.6	163	39
24/12/23 03:30	0.082	4.896	4.978	0.274			1.0	147	27
24/12/23 03:35	0.072	5.019	5.092	0.289			0.9	193	29
24/12/23 03:40	-0.055	5.359	5.304	0.342			1.0	169	32
24/12/23 03:45	-0.055	5.890	5.836	0.291			1.5	147	21
24/12/23 03:50	-0.059	6.310	6.251	0.279			0.9	186	37
24/12/23 03:55	-0.096	6.199	6.104	0.282			0.7	148	48
24/12/23 04:00	-0.091	6.093	6.002	0.256			1.1	149	26
24/12/23 04:05	0.004	5.990	5.994	0.264			0.9	143	26
24/12/23 04:10	0.036	5.942	5.978	0.247			1.1	142	28
24/12/23 04:15	-0.026	6.036	6.011	0.268			0.8	141	30
24/12/23 04:20	-0.010	6.351	6.341	0.266			0.7	118	30
24/12/23 04:25	0.074	7.193	7.267	0.162			0.9	128	28
24/12/23 04:30	-0.001	7.644	7.643	0.135			1.1	149	24

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/12/23 04:35	0.028	7.831	7.859	0.102			1.0	155	26
24/12/23 04:40	0.055	7.858	7.913	0.122			0.6	158	41
24/12/23 04:45	0.116	7.883	7.999	0.183			1.1	148	26
24/12/23 04:50	0.169	8.058	8.226	0.235			0.8	175	36
24/12/23 04:55	0.494	8.216	8.710	0.255			0.6	163	39
24/12/23 05:00	0.674	8.152	8.826	0.278			0.4	200	43
24/12/23 05:05	0.553	8.125	8.678	0.278			0.7	177	39
24/12/23 05:10	0.428	7.892	8.319	0.332			1.2	200	31
24/12/23 05:15	0.381	7.684	8.065	0.277			0.7	198	33
24/12/23 05:20	0.468	7.821	8.289	0.240			1.3	205	14
24/12/23 05:25	0.565	7.750	8.316	0.205			1.3	203	19
24/12/23 05:30	0.623	7.478	8.101	0.142			1.2	198	31
24/12/23 05:35	0.733	7.357	8.090	0.128			1.1	198	25
24/12/23 05:40	0.793	7.149	7.942	0.130			1.2	197	18
24/12/23 05:45	0.763	6.653	7.417	0.132			1.0	186	30
24/12/23 05:50	0.792	6.064	6.857	0.192			1.1	198	32
24/12/23 05:55	0.945	5.754	6.699	0.251			1.4	184	28
24/12/23 06:00	1.149	5.625	6.774	0.279			1.6	153	26
24/12/23 06:05	1.223	5.374	6.597	0.264			1.4	150	26
24/12/23 06:10	1.182	5.045	6.227	0.308			2.0	150	22
24/12/23 06:15	1.133	4.474	5.607	0.363			2.2	153	21
24/12/23 06:20	1.058	4.040	5.098	0.313			1.8	157	18
24/12/23 06:25	1.072	3.756	4.828	0.269			1.3	149	26
24/12/23 06:30	1.134	3.672	4.806	0.345			0.5	138	54
24/12/23 06:35	1.256	3.558	4.814	0.366			0.9	128	38
24/12/23 06:40	1.388	3.811	5.199	0.375			1.0	141	38
24/12/23 06:45	1.329	3.718	5.048	0.424			0.9	162	32
24/12/23 06:50	1.410	3.447	4.857	0.432			1.5	156	27
24/12/23 06:55	1.874	3.050	4.925	0.435			1.7	148	19
24/12/23 07:00	1.304	3.169	4.473	0.433			1.0	158	41
24/12/23 07:05	1.045	2.940	3.985	0.395			0.9	154	28
24/12/23 07:10	0.851	2.652	3.503	0.489			1.2	150	25
24/12/23 07:15	0.823	2.512	3.335	0.528			1.2	161	33
24/12/23 07:20	1.934	1.940	3.873	0.536			0.9	175	41
24/12/23 07:25	1.932	2.571	4.502	0.517			1.8	154	26
24/12/23 07:30	1.145	1.713	2.858	0.558			1.4	152	27
24/12/23 07:35	0.746	1.398	2.144	0.611			1.4	156	28
24/12/23 07:40	1.417	2.540	3.956	0.548			1.3	195	23
24/12/23 07:45	3.156	2.811	5.967	0.530			1.2	190	28
24/12/23 07:50	7.017	5.203	12.220	0.623			1.0	192	27
24/12/23 07:55	22.131	12.293	34.424	0.682			1.0	173	29
24/12/23 08:00	2.362	4.471	6.833	0.655			1.0	193	41
24/12/23 08:05	38.983	11.048	50.032	0.696			0.7	186	42
24/12/23 08:10	9.705	5.743	15.448	0.696			1.0	203	24
24/12/23 08:15	4.210	4.272	8.482	0.654			1.4	211	22
24/12/23 08:20	5.376	6.230	11.606	0.657			1.5	217	19
24/12/23 08:25	5.733	3.465	9.198	0.682			1.4	212	20
24/12/23 08:30	5.075	3.562	8.637	0.636			1.4	215	21
24/12/23 08:35	4.513	3.668	8.181	0.614			0.9	199	31
24/12/23 08:40	3.832	3.619	7.451	0.566			1.2	213	20
24/12/23 08:45	3.796	3.463	7.258	0.531			1.2	194	21
24/12/23 08:50	2.922	2.549	5.471	0.505			1.1	217	23
24/12/23 08:55	1.498	1.729	3.227	0.496			1.2	209	21
24/12/23 09:00	1.237	2.005	3.242	0.473			1.0	198	32
24/12/23 09:05	1.215	2.059	3.274	0.486			1.5	222	16
24/12/23 09:10	1.407	2.044	3.450	0.490			1.8	225	12
24/12/23 09:15	1.259	1.969	3.228	0.473			1.5	216	21
24/12/23 09:20	1.133	1.922	3.055	0.495			1.5	220	22
24/12/23 09:25	1.168	1.903	3.071	0.486			1.8	225	13
24/12/23 09:30	1.066	1.924	2.989	0.443			1.6	224	17
24/12/23 09:35	0.968	1.948	2.916	0.379			1.5	222	17
24/12/23 09:40	1.042	1.929	2.971	0.421			1.9	220	15
24/12/23 09:45	1.179	1.995	3.173	0.400			1.9	221	14
24/12/23 09:50	0.878	1.900	2.779	0.456			1.8	222	12
24/12/23 09:55	0.838	1.845	2.683	0.466			1.2	213	25
24/12/23 10:00	0.968	1.932	2.900	0.400			1.8	214	17
24/12/23 10:05	0.980	2.098	3.078	0.386			1.1	206	32
24/12/23 10:10	1.160	2.176	3.336	0.313			1.9	218	16
24/12/23 10:15	1.079	2.097	3.176	0.269			2.0	222	12
24/12/23 10:20	0.768	2.000	2.769	0.240			2.1	219	18
24/12/23 10:25	0.773	2.008	2.782	0.274			2.2	218	15
24/12/23 10:30	1.002	2.524	3.526	0.262			2.7	218	11
24/12/23 10:35	1.384	3.060	4.443	0.242			2.1	213	17
24/12/23 10:40	1.791	4.372	6.163	0.297			2.5	219	12
24/12/23 10:45	2.041	5.431	7.472	0.347			2.2	214	15
24/12/23 10:50	1.952	4.303	6.255	0.407			2.6	219	12
24/12/23 10:55	1.731	3.365	5.096	0.352			2.7	221	12
24/12/23 11:00	1.577	3.126	4.703	0.251			2.8	219	12
24/12/23 11:05	1.671	3.310	4.981	0.197			3.2	218	11
24/12/23 11:10	2.071	3.686	5.757	0.193			2.7	220	13
24/12/23 11:15	2.645	3.851	6.495	0.277			2.8	216	12
24/12/23 11:20	2.655	3.420	6.075	0.273			2.9	216	12
24/12/23 11:25	4.203	6.662	10.865	0.279			2.9	224	10
24/12/23 11:30	3.555	2.581	6.136	0.291			2.8	221	11
24/12/23 11:35	5.749	5.199	10.948	0.329			2.7	218	14
24/12/23 11:40	6.559	7.203	13.762	0.349			3.2	219	11
24/12/23 11:45	9.187	6.459	15.645	0.385			3.4	215	12
24/12/23 11:50	0.939	1.755	2.694	0.373			3.4	214	11
24/12/23 11:55	1.619	1.571	3.190	0.382			3.1	218	11
24/12/23 12:00	2.109	2.110	4.219	0.440			3.4	224	12
24/12/23 12:05	7.076	11.876	18.951	0.438			3.5	226	12
24/12/23 12:10	6.008	5.700	11.708	0.415			3.1	226	11
24/12/23 12:15	1.922	3.991	5.913	0.446			3.3	229	11
24/12/23 12:20	4.592	6.710	11.302	0.397			3.5	225	12
24/12/23 12:25	4.599	4.965	9.564	0.317			3.6	226	10
24/12/23 12:30	2.724	1.124	3.848	0.249			3.0	232	09
24/12/23 12:35	2.203	1.554	3.757	0.388			2.8	234	09
24/12/23 12:40	2.075	2.167	4.242	0.426			2.7	231	07
24/12/23 12:45	1.726	2.134	3.860	0.476			3.4	229	08
24/12/23 12:50	1.712	2.402	4.114	0.480			2.6	233	10
24/12/23 12:55	0.609	1.776	2.385	0.404			2.6	231	11
24/12/23 13:00	0.571	2.039	2.610	0.428			2.8	230	12
24/12/23 13:05	0.737	1.400	2.138	0.399			3.3	231	08
24/12/23 13:10	1.297	3.062	4.359	0.348			4.0	230	10
24/12/23 13:15	1.556	2.230	3.786	0.316			3.1	230	12
24/12/23 13:20	2.075	9.490	11.565	0.324			4.4	231	07

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/12/23 13:25	4.892	1.429	6.321	0.451			4.1	229	11
24/12/23 13:30	6.192	3.955	10.147	0.466			5.0	225	11
24/12/23 13:35	5.552	3.917	9.468	0.438			5.0	223	11
24/12/23 13:40	5.249	5.720	10.969	0.425			4.7	228	09
24/12/23 13:45	4.261	4.722	8.983	0.446			4.3	228	12
24/12/23 13:50	8.991	4.891	13.882	0.442			4.8	226	12
24/12/23 13:55	2.912	5.673	8.585	0.432			4.8	227	09
24/12/23 14:00	15.891	14.143	30.033	0.494			4.4	224	14
24/12/23 14:05	40.532	9.645	50.177	0.626			3.4	217	15
24/12/23 14:10	47.657	17.562	65.219	0.687			3.6	216	15
24/12/23 14:15	54.894	16.361	71.254	0.741			3.5	216	16
24/12/23 14:20	44.183	13.083	57.266	0.831			3.9	214	14
24/12/23 14:25	44.135	15.786	59.921	0.886			3.8	214	13
24/12/23 14:30	36.076	14.219	50.295	0.997			3.8	218	12
24/12/23 14:35	48.634	8.247	56.881	0.992			4.5	206	14
24/12/23 14:40	44.579	16.118	60.697	1.054			4.5	208	13
24/12/23 14:45	52.610	10.089	62.700	1.127			4.1	216	13
24/12/23 14:50	57.964	19.185	77.149	1.129			3.9	212	15
24/12/23 14:55	67.178	12.697	79.875	1.167			4.5	213	12
24/12/23 15:00	59.480	11.569	71.049	1.212			3.7	215	14
24/12/23 15:05	43.182	14.074	57.256	1.262			4.5	211	11
24/12/23 15:10	68.692	13.651	82.343	1.256			4.4	218	12
24/12/23 15:15	31.361	12.582	43.943	1.286			5.4	209	11
24/12/23 15:20	23.339	10.681	34.020	1.201			5.3	210	13
24/12/23 15:25	13.632	5.986	19.618	1.141			5.7	213	10
24/12/23 15:30	19.116	7.088	26.204	1.036			5.4	212	12
24/12/23 15:35	21.892	8.117	30.008	0.935			5.4	210	10
24/12/23 15:40	51.243	16.920	68.163	0.900			5.1	212	13
24/12/23 15:45	66.680	18.239	84.918	0.896			4.2	215	14
24/12/23 15:50	68.191	14.412	82.603	0.996			4.4	213	15
24/12/23 15:55	53.362	13.233	66.594	1.078			5.1	212	13
24/12/23 16:00	82.912	6.424	89.336	1.192			4.2	213	13
24/12/23 16:05	73.762	15.390	89.152	1.250			4.7	213	14
24/12/23 16:10	55.371	14.467	69.838	1.282			5.1	214	15
24/12/23 16:15	65.452	21.724	87.176	1.235			5.1	214	13
24/12/23 16:20	66.829	5.712	72.542	1.228			4.6	212	14
24/12/23 16:25	71.419	10.676	82.095	1.270			5.4	210	11
24/12/23 16:30	55.495	21.961	77.457	1.221			4.8	213	13
24/12/23 16:35	42.266	12.569	54.834	1.157			5.6	212	13
24/12/23 16:40	21.886	6.546	28.432	1.120			6.1	210	12
24/12/23 16:45	31.333	6.258	37.591	1.101			6.6	210	11
24/12/23 16:50	16.701	10.895	27.595	1.123			6.2	213	10
24/12/23 16:55	6.245	3.589	9.834	1.012			5.9	212	13
24/12/23 17:00	6.617	4.012	10.629	0.888			5.9	214	11
24/12/23 17:05	3.559	3.097	6.656	0.793			5.5	214	12
24/12/23 17:10	2.565	1.844	4.410	0.756			5.6	210	14
24/12/23 17:15	2.027	1.485	3.512	0.772			5.3	212	13
24/12/23 17:20	1.600	1.810	3.410	0.704			6.5	211	14
24/12/23 17:25	1.393	2.076	3.469	0.642			6.1	213	12
24/12/23 17:30	0.856	1.874	2.731	0.552			6.2	209	13
24/12/23 17:35	0.647	1.802	2.449	0.493			6.2	210	12
24/12/23 17:40	0.627	1.394	2.021	0.470			5.5	213	15
24/12/23 17:45	0.468	1.052	1.520	0.398			6.1	213	13
24/12/23 17:50	0.353	0.912	1.265	0.387			5.1	214	13
24/12/23 17:55	0.319	0.858	1.176	0.412			4.8	212	18
24/12/23 18:00	0.223	0.750	0.973	0.441			3.1	203	25
24/12/23 18:05	0.172	0.662	0.834	0.372			3.5	203	22
24/12/23 18:10	0.207	0.630	0.837	0.374			2.4	202	28
24/12/23 18:15	0.126	0.662	0.788	0.383			2.5	191	30
24/12/23 18:20	0.109	0.634	0.743	0.456			3.2	204	23
24/12/23 18:25	0.167	0.662	0.829	0.362			3.4	211	22
24/12/23 18:30	0.129	0.695	0.823	0.247			3.0	194	23
24/12/23 18:35	0.097	0.682	0.779	0.173			2.7	193	25
24/12/23 18:40	0.079	0.620	0.699	0.216			2.6	189	33
24/12/23 18:45	0.108	0.614	0.721	0.310			2.6	188	35
24/12/23 18:50	0.060	0.656	0.716	0.258			1.8	171	46
24/12/23 18:55	0.093	0.590	0.683	0.243			2.0	185	44
24/12/23 19:00	0.024	0.608	0.632	0.289			2.1	188	35
24/12/23 19:05	0.021	0.574	0.595	0.324			2.9	192	23
24/12/23 19:10	-0.024	0.601	0.578	0.267			2.4	176	32
24/12/23 19:15	-0.010	0.567	0.557	0.253			1.7	184	48
24/12/23 19:20	0.106	0.621	0.728	0.150			2.4	151	36
24/12/23 19:25	0.148	0.633	0.781	0.152			3.8	143	25
24/12/23 19:30	0.109	0.771	0.880	0.127			3.8	156	22
24/12/23 19:35	0.009	0.942	0.951	0.068			3.1	158	23
24/12/23 19:40	-0.031	1.101	1.070	0.003			2.6	154	27
24/12/23 19:45	0.071	1.200	1.270	-0.063			2.2	148	26
24/12/23 19:50	-0.022	1.324	1.301	-0.078			1.4	154	36
24/12/23 19:55	-0.013	1.375	1.362	-0.053			1.7	163	38
24/12/23 20:00	-0.168	1.501	1.332	-0.056			1.7	167	37
24/12/23 20:05	-0.069	1.424	1.355	-0.038			1.7	183	34
24/12/23 20:10	0.017	1.319	1.336	-0.042			1.5	175	40
24/12/23 20:15	0.028	1.354	1.382	-0.049			2.0	149	35
24/12/23 20:20	0.047	1.412	1.459	0.005			2.5	154	24
24/12/23 20:25	0.158	1.472	1.630	-0.017			2.4	152	27
24/12/23 20:30	0.209	1.581	1.791	-0.037			1.4	166	38
24/12/23 20:35	0.229	1.672	1.901	0.006			1.8	152	35
24/12/23 20:40	0.236	1.835	2.070	0.066			4.0	145	15
24/12/23 20:45	0.129	1.892	2.021	0.064			1.6	162	43
24/12/23 20:50	0.125	1.897	2.022	0.061			2.3	152	32
24/12/23 20:55	0.110	1.935	2.044	0.059			1.9	175	37
24/12/23 21:00	0.091	1.791	1.881	0.045			1.5	177	37
24/12/23 21:05	0.072	1.674	1.746	-0.029			1.7	153	38
24/12/23 21:10	0.073	1.545	1.618	-0.052			2.1	147	31
24/12/23 21:15	0.142	1.396	1.539	-0.004			1.7	145	47
24/12/23 21:20	0.115	1.230	1.345	0.019			1.5	147	46
24/12/23 21:25	0.163	1.114	1.277	-0.003			2.3	143	31
24/12/23 21:30	0.028	1.109	1.136	-0.048			3.1	149	22
24/12/23 21:35	-0.036	1.007	0.972	-0.117			4.5	144	11
24/12/23 21:40	-0.001	0.955	0.954	-0.075			3.6	147	23
24/12/23 21:45	0.036	0.925	0.961	-0.105			3.2	147	28
24/12/23 21:50	0.083	0.888	0.972	-0.053			3.6	149	22
24/12/23 21:55	0.011	0.906	0.917	-0.021			4.7	146	15
24/12/23 22:00	0.007	0.911	0.918	0.041			3.9	152	16
24/12/23 22:05	-0.002	0.996	0.994	0.025			4.2	151	17
24/12/23 22:10	0.004	1.070	1.074	-0.038			4.9	153	17

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/12/23 22:15	-0.014	1.195	1.181	-0.029			4.2	151	17
24/12/23 22:20	-0.005	1.207	1.202	-0.091			5.0	154	15
24/12/23 22:25	-0.056	1.308	1.252	-0.115			3.3	160	21
24/12/23 22:30	0.023	1.407	1.430	-0.097			2.5	158	27
24/12/23 22:35	-0.019	1.519	1.500	-0.060			2.6	156	22
24/12/23 22:40	0.005	1.615	1.619	-0.009			2.0	150	31
24/12/23 22:45	0.041	1.645	1.686	-0.016			2.5	148	29
24/12/23 22:50	0.103	1.619	1.722	-0.012			1.9	145	34
24/12/23 22:55	0.079	1.722	1.801	-0.028			1.9	134	34
24/12/23 23:00	0.021	1.972	1.993	-0.045			3.4	123	14
24/12/23 23:05	0.002	2.210	2.212	-0.076			4.0	123	10
24/12/23 23:10	-0.003	2.523	2.520	-0.019			3.8	123	11
24/12/23 23:15	-0.042	2.855	2.813	-0.004			3.9	122	12
24/12/23 23:20	-0.113	3.217	3.104	-0.051			4.1	124	13
24/12/23 23:25	-0.103	3.564	3.461	-0.067			4.0	121	11
24/12/23 23:30	-0.066	3.738	3.672	-0.115			3.5	122	10
24/12/23 23:35	-0.016	3.898	3.882	-0.080			3.6	123	14
24/12/23 23:40	0.048	3.989	4.037	-0.007			3.5	124	19
24/12/23 23:45	0.050	3.944	3.994	-0.014			3.4	122	19
24/12/23 23:50	0.099	4.089	4.188				2.9	127	16
24/12/23 23:55	-0.002	4.135	4.133				2.2	129	33
25/12/23 00:00	-0.061	3.911	3.850				2.3	136	30
25/12/23 00:05	-0.048	3.507	3.459	-0.105			1.2	153	48
25/12/23 00:10	-0.084	3.306	3.223	-0.176			1.7	132	35
25/12/23 00:15	-0.095	3.126	3.031	-0.164			1.5	143	39
25/12/23 00:20	-0.096	3.076	2.980	-0.180			1.3	147	43
25/12/23 00:25	-0.102	2.955	2.854	-0.088			1.6	133	37
25/12/23 00:30	0.011	2.856	2.867	-0.010			2.0	125	21
25/12/23 00:35	0.024	2.749	2.773	0.014			3.1	123	17
25/12/23 00:40	-0.097	2.721	2.624	0.004			3.0	120	10
25/12/23 00:45	-0.187	2.645	2.458	-0.033			3.4	113	11
25/12/23 00:50	-0.099	2.393	2.295	-0.012			2.9	110	11
25/12/23 00:55	-0.006	2.135	2.129	-0.023			3.1	111	12
25/12/23 01:00	-0.014	1.948	1.934	-0.062			2.4	107	14
25/12/23 01:05							3.1	114	11
25/12/23 01:10							2.6	107	14
25/12/23 01:15							2.5	117	12
25/12/23 01:20							3.0	113	13
25/12/23 01:25							2.2	112	11
25/12/23 01:30							2.5	116	12
25/12/23 01:35							2.3	109	15
25/12/23 01:40							1.9	100	10
25/12/23 01:45							1.8	99	16
25/12/23 01:50							1.1	103	17
25/12/23 01:55							1.5	118	12
25/12/23 02:00							0.9	106	22
25/12/23 02:05	0.106	1.858	1.963	-0.055			1.2	100	17
25/12/23 02:10	0.098	1.925	2.023	-0.087			1.1	93	12
25/12/23 02:15	0.061	1.901	1.963	-0.061			0.9	96	18
25/12/23 02:20	0.017	1.931	1.948	-0.072			1.1	64	25
25/12/23 02:25	0.022	2.033	2.055	-0.186			1.5	92	14
25/12/23 02:30	0.154	1.962	2.116	-0.265			1.3	87	24
25/12/23 02:35	0.199	1.914	2.113	-0.201			1.6	104	13
25/12/23 02:40	0.077	1.928	2.005	-0.171			2.0	110	12
25/12/23 02:45	0.142	1.891	2.033	-0.223			1.9	111	09
25/12/23 02:50	0.165	1.831	1.996	-0.190			1.5	105	14
25/12/23 02:55	0.145	1.820	1.965	-0.183			1.0	95	27
25/12/23 03:00	0.191	1.785	1.976	-0.139			0.8	24	26
25/12/23 03:05	0.108	1.954	2.062	-0.131			0.5	319	51
25/12/23 03:10	0.670	2.569	3.238	-0.115			0.3	97	59
25/12/23 03:15	0.460	2.707	3.168	-0.185			0.3	302	41
25/12/23 03:20	0.330	2.498	2.828	-0.182			0.3	301	47
25/12/23 03:25	0.204	2.371	2.575	-0.128			0.9	295	27
25/12/23 03:30	0.179	2.658	2.838	-0.178			1.1	278	24
25/12/23 03:35	0.217	3.883	4.100	-0.182			1.3	273	26
25/12/23 03:40	0.193	5.656	5.849	-0.096			1.2	265	21
25/12/23 03:45	0.312	7.187	7.499	-0.125			0.9	281	29
25/12/23 03:50	0.301	6.975	7.276	-0.064			1.1	309	17
25/12/23 03:55	0.233	6.715	6.948	-0.118			0.9	285	24
25/12/23 04:00	0.252	6.654	6.906	-0.059			1.5	268	20
25/12/23 04:05	0.359	6.782	7.141	-0.004			2.7	268	10
25/12/23 04:10	1.096	8.305	9.400	0.031			2.1	264	14
25/12/23 04:15	1.910	14.066	15.976	0.036			2.8	267	09
25/12/23 04:20	3.083	17.048	20.131	0.060			2.0	261	15
25/12/23 04:25	2.935	13.051	15.987	0.088			1.9	254	17
25/12/23 04:30	2.681	13.106	15.788	0.152			1.7	258	15
25/12/23 04:35	2.475	11.317	13.791	0.128			1.7	252	18
25/12/23 04:40	4.388	21.206	25.594	0.197			1.4	252	20
25/12/23 04:45	1.898	10.039	11.937	0.166			1.4	253	17
25/12/23 04:50	0.751	9.486	10.237	0.185			1.0	231	22
25/12/23 04:55	0.968	3.789	4.757	0.210			0.9	235	30
25/12/23 05:00	0.546	2.704	3.249	0.158			1.2	235	18
25/12/23 05:05	0.282	2.676	2.958	0.138			1.1	254	22
25/12/23 05:10	0.174	2.386	2.560	0.200			2.0	218	14
25/12/23 05:15	0.221	2.173	2.395	0.219			1.1	200	40
25/12/23 05:20	0.273	1.972	2.245	0.161			1.3	186	40
25/12/23 05:25	0.124	2.035	2.159	0.141			2.6	142	27
25/12/23 05:30	0.072	2.342	2.414	0.170			3.5	147	17
25/12/23 05:35	0.101	2.779	2.880	0.040			0.9	142	48
25/12/23 05:40	0.011	3.102	3.113	-0.028			1.0	136	41
25/12/23 05:45	0.036	3.217	3.253	0.018			1.8	127	24
25/12/23 05:50	0.089	3.426	3.514	0.090			1.0	130	34
25/12/23 05:55	0.177	3.652	3.829	0.119			0.9	147	36
25/12/23 06:00	0.181	3.817	3.998	0.134			1.0	152	28
25/12/23 06:05	0.182	3.831	4.013	0.094			1.3	120	18
25/12/23 06:10	0.217	3.978	4.195	0.109			0.8	138	35
25/12/23 06:15	0.281	4.089	4.370	0.088			1.1	104	22
25/12/23 06:20	0.306	4.145	4.451	0.086			1.5	81	14
25/12/23 06:25	0.272	4.230	4.502	0.069			1.1	112	19
25/12/23 06:30	0.267	4.357	4.624	0.067			0.9	156	23
25/12/23 06:35	0.310	4.317	4.627	-0.044			0.8	150	35
25/12/23 06:40	0.389	4.030	4.419	-0.080			1.3	156	27
25/12/23 06:45	0.350	3.494	3.844	-0.102			2.4	147	19
25/12/23 06:50	0.335	2.988	3.323	-0.103			1.6	147	26
25/12/23 06:55	0.196	2.707	2.903	-0.139			0.9	144	42
25/12/23 07:00	0.164	2.409	2.573	-0.116			1.1	126	36

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
25/12/23 07:05	0.221	2.193	2.415	-0.070			2.2	110	11
25/12/23 07:10	0.217	2.049	2.266	-0.018			1.9	97	13
25/12/23 07:15	0.098	2.059	2.157	0.010			1.7	93	20
25/12/23 07:20	0.054	2.118	2.173	0.043			1.6	94	13
25/12/23 07:25	0.068	2.326	2.394	0.001			1.6	95	12
25/12/23 07:30	0.036	2.558	2.594	-0.109			1.7	95	12
25/12/23 07:35	0.067	2.777	2.844	-0.162			1.9	106	15
25/12/23 07:40	0.195	2.905	3.100	-0.218			1.7	114	13
25/12/23 07:45	0.235	2.978	3.213	-0.153			2.0	125	12
25/12/23 07:50	0.231	2.937	3.169	-0.132			2.1	114	12
25/12/23 07:55	0.128	2.960	3.088	-0.088			1.9	117	11
25/12/23 08:00	0.139	3.023	3.162	-0.042			2.0	115	14
25/12/23 08:05	0.166	3.022	3.188	-0.044			1.6	107	15
25/12/23 08:10	0.201	3.134	3.334	0.008			1.2	111	17
25/12/23 08:15	0.179	3.207	3.386	0.001			2.0	99	14
25/12/23 08:20	0.187	3.368	3.555	0.001			1.5	104	16
25/12/23 08:25	0.311	3.390	3.701	-0.036			1.2	103	13
25/12/23 08:30	0.394	3.409	3.803	-0.036			1.4	114	12
25/12/23 08:35	0.393	3.441	3.834	-0.104			1.3	121	12
25/12/23 08:40	0.327	3.448	3.775	-0.211			0.9	118	19
25/12/23 08:45	0.423	3.409	3.832	-0.244			1.0	106	15
25/12/23 08:50	0.366	3.742	4.107	-0.203			1.1	79	17
25/12/23 08:55	0.431	4.116	4.546	-0.181			1.3	81	18
25/12/23 09:00	0.595	4.305	4.899	-0.184			1.3	102	18
25/12/23 09:05	0.567	4.255	4.822	-0.191			1.3	125	12
25/12/23 09:10	0.660	3.958	4.618	-0.188			1.6	121	15
25/12/23 09:15	0.871	3.616	4.487	-0.164			2.1	115	12
25/12/23 09:20	0.976	3.591	4.566	-0.180			2.1	106	13
25/12/23 09:25	1.005	3.711	4.716	-0.249			2.0	115	13
25/12/23 09:30	0.882	3.768	4.650	-0.252			2.0	116	13
25/12/23 09:35	0.822	3.676	4.498	-0.311			2.0	118	11
25/12/23 09:40	0.750	3.513	4.263	-0.303			2.5	117	11
25/12/23 09:45	0.869	3.228	4.097	-0.331			2.9	117	10
25/12/23 09:50	0.728	3.152	3.880	-0.337			2.0	119	13
25/12/23 09:55	0.632	3.144	3.776	-0.257			2.4	110	13
25/12/23 10:00	0.627	3.154	3.780	-0.180			2.6	113	12
25/12/23 10:05	0.799	3.028	3.827	-0.145			2.5	116	11
25/12/23 10:10	0.794	3.021	3.815	-0.170			2.4	109	13
25/12/23 10:15	0.823	3.132	3.954	-0.116			2.3	109	12
25/12/23 10:20	0.852	3.256	4.107	-0.140			2.4	115	16
25/12/23 10:25	0.838	3.267	4.105	-0.098			2.6	119	11
25/12/23 10:30	0.757	3.410	4.168	-0.083			2.7	110	12
25/12/23 10:35	0.872	3.658	4.530	-0.066			2.4	119	12
25/12/23 10:40	0.999	3.982	4.981	-0.030			2.3	106	16
25/12/23 10:45	0.875	4.161	5.037	-0.081			2.1	100	16
25/12/23 10:50	0.935	4.220	5.155	-0.100			2.2	96	17
25/12/23 10:55	0.977	4.246	5.223	-0.151			2.9	95	18
25/12/23 11:00	0.948	4.290	5.238	-0.156			2.7	86	18
25/12/23 11:05	0.926	4.257	5.184	-0.143			2.3	91	16
25/12/23 11:10	0.861	4.217	5.078	-0.128			2.2	93	13
25/12/23 11:15	0.874	4.238	5.112	-0.162			2.0	86	15
25/12/23 11:20	0.922	4.448	5.370	-0.177			1.7	81	12
25/12/23 11:25	1.034	4.674	5.708	-0.131			1.5	87	12
25/12/23 11:30	1.023	4.942	5.965	-0.084			1.8	81	17
25/12/23 11:35	1.157	5.109	6.266	-0.145			1.5	84	17
25/12/23 11:40	1.339	5.252	6.591	-0.167			1.9	84	13
25/12/23 11:45	1.539	5.603	7.143	-0.180			1.9	70	15
25/12/23 11:50	1.726	5.847	7.573	-0.231			1.6	88	12
25/12/23 11:55	1.736	5.955	7.691	-0.234			1.2	78	23
25/12/23 12:00	2.023	5.988	8.011	-0.227			1.3	91	20
25/12/23 12:05	2.249	6.091	8.340	-0.208			1.6	105	16
25/12/23 12:10	2.095	6.135	8.230	-0.189			1.9	88	19
25/12/23 12:15	2.018	5.780	7.798	-0.216			1.7	101	12
25/12/23 12:20	2.221	5.631	7.853	-0.247			1.8	109	14
25/12/23 12:25	2.348	5.477	7.826	-0.250			2.5	93	13
25/12/23 12:30	2.332	5.336	7.669	-0.249			2.5	99	12
25/12/23 12:35	2.052	5.308	7.359	-0.230			2.7	109	18
25/12/23 12:40	1.771	5.114	6.885	-0.224			2.7	104	13
25/12/23 12:45	1.549	4.977	6.526	-0.163			2.3	106	13
25/12/23 12:50	1.255	4.869	6.124	-0.206			2.7	110	12
25/12/23 12:55	1.020	4.623	5.642	-0.250			2.3	110	19
25/12/23 13:00	0.948	4.354	5.302	-0.196			1.5	117	24
25/12/23 13:05	0.825	4.138	4.963	-0.145			1.3	93	42
25/12/23 13:10	0.705	4.050	4.754	-0.107			2.7	119	11
25/12/23 13:15	0.786	3.912	4.698	-0.074			2.7	116	12
25/12/23 13:20	0.772	3.716	4.487	-0.041			2.1	124	10
25/12/23 13:25	0.765	3.501	4.265	0.025			2.3	124	12
25/12/23 13:30	0.634	3.171	3.805	0.074			2.4	125	10
25/12/23 13:35	0.503	2.820	3.324	-0.001			2.9	115	10
25/12/23 13:40	0.527	2.670	3.197	-0.133			2.3	103	13
25/12/23 13:45	0.599	2.774	3.374	-0.132			2.2	101	18
25/12/23 13:50	0.620	2.894	3.513	-0.158			2.1	109	19
25/12/23 13:55	0.645	3.024	3.668	-0.172			2.7	90	14
25/12/23 14:00	0.646	3.033	3.678	-0.149			2.2	113	14
25/12/23 14:05	0.527	2.989	3.516	-0.123			2.3	88	16
25/12/23 14:10	0.488	2.943	3.431	-0.133			2.8	110	13
25/12/23 14:15	0.338	2.979	3.317	-0.130			3.1	113	11
25/12/23 14:20	0.328	3.024	3.353	-0.209			2.3	129	27
25/12/23 14:25	0.240	2.978	3.219	-0.208			2.7	133	28
25/12/23 14:30	0.233	2.781	3.013	-0.219			4.1	158	21
25/12/23 14:35	0.246	2.966	3.211	-0.210			5.2	149	14
25/12/23 14:40	0.228	2.969	3.197	-0.219			5.8	151	13
25/12/23 14:45	0.321	2.805	3.126	-0.116			3.9	143	24
25/12/23 14:50	0.385	2.822	3.207	-0.138			4.3	153	22
25/12/23 14:55	0.453	3.095	3.548	-0.153			2.4	150	31
25/12/23 15:00	0.507	3.062	3.570	-0.168			2.9	150	21
25/12/23 15:05	0.495	2.904	3.399	-0.231			1.2	208	43
25/12/23 15:10	0.507	2.734	3.242	-0.352			1.1	228	42
25/12/23 15:15	0.547	2.746	3.293	-0.350			0.3	319	91
25/12/23 15:20	0.610	3.048	3.658	-0.317			2.4	117	29
25/12/23 15:25	0.591	3.206	3.796	-0.292			1.7	138	32
25/12/23 15:30	0.577	3.216	3.793	-0.282			1.9	120	21
25/12/23 15:35	0.392	3.334	3.727	-0.282			0.9	189	44
25/12/23 15:40	0.348	3.535	3.883	-0.172			1.9	222	17
25/12/23 15:45	0.430	3.603	4.033	-0.168			2.0	262	17
25/12/23 15:50	0.357	3.584	3.941	-0.187			2.2	265	12

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
25/12/23 15:55	0.216	3.393	3.609	-0.266			1.5	245	21
25/12/23 16:00	0.243	3.208	3.451	-0.293			1.2	242	20
25/12/23 16:05	0.244	3.076	3.320	-0.214			0.9	242	26
25/12/23 16:10	0.322	3.246	3.568	-0.160			1.4	236	16
25/12/23 16:15	0.449	3.693	4.142	-0.121			1.0	252	23
25/12/23 16:20	0.505	3.962	4.467	-0.096			1.0	261	22
25/12/23 16:25	0.473	4.395	4.868	-0.087			0.9	263	21
25/12/23 16:30	0.529	4.480	5.009	-0.117			0.6	142	54
25/12/23 16:35	0.437	4.331	4.768	-0.158			1.7	115	13
25/12/23 16:40	0.456	4.070	4.525	-0.189			1.5	154	21
25/12/23 16:45	0.452	3.837	4.289	-0.166			1.3	140	31
25/12/23 16:50	0.392	3.554	3.946	-0.181			1.3	140	32
25/12/23 16:55	0.396	3.265	3.661	-0.206			1.3	140	34
25/12/23 17:00	0.357	3.037	3.395	-0.182			1.0	142	37
25/12/23 17:05	0.238	3.003	3.241	-0.240			1.5	137	32
25/12/23 17:10	0.223	2.968	3.192	-0.260			1.5	149	26
25/12/23 17:15	0.145	2.866	3.011	-0.253			0.8	145	35
25/12/23 17:20	0.194	2.850	3.044	-0.291			1.1	123	20
25/12/23 17:25	0.141	2.877	3.018	-0.295			0.9	136	28
25/12/23 17:30	0.210	2.884	3.094	-0.265			1.7	138	21
25/12/23 17:35	0.256	2.946	3.202	-0.191			1.2	147	23
25/12/23 17:40	0.288	3.047	3.335	-0.119			1.5	150	22
25/12/23 17:45	0.254	3.257	3.511	-0.125			1.4	146	24
25/12/23 17:50	0.264	3.471	3.736	-0.188			1.2	149	24
25/12/23 17:55	0.371	3.705	4.075	-0.221			0.8	147	40
25/12/23 18:00	0.417	3.829	4.246	-0.198			1.2	130	26
25/12/23 18:05	0.454	3.972	4.426	-0.187			1.4	127	21
25/12/23 18:10	0.433	4.063	4.496	-0.146			2.1	115	12
25/12/23 18:15	0.449	4.137	4.585	-0.143			1.8	109	15
25/12/23 18:20	0.434	4.165	4.600	-0.083			1.0	108	16
25/12/23 18:25	0.463	4.198	4.660	-0.138			1.1	116	16
25/12/23 18:30	0.424	4.311	4.735	-0.112			0.4	128	38
25/12/23 18:35	0.324	4.450	4.774	-0.110			0.6	148	29
25/12/23 18:40	0.352	4.403	4.754	-0.082			0.5	130	42
25/12/23 18:45	0.382	4.249	4.631	-0.095			1.2	118	16
25/12/23 18:50	0.302	4.194	4.496	-0.135			2.0	113	18
25/12/23 18:55	0.300	3.863	4.163	-0.120			3.4	116	14
25/12/23 19:00	0.147	3.377	3.524	-0.142			3.4	117	10
25/12/23 19:05	0.195	2.972	3.167	-0.195			2.6	120	11
25/12/23 19:10	0.245	2.617	2.862	-0.187			2.6	120	17
25/12/23 19:15	0.323	2.208	2.531	-0.251			2.0	124	32
25/12/23 19:20	0.268	1.907	2.175	-0.243			2.6	122	18
25/12/23 19:25	0.239	1.839	2.079	-0.238			3.0	121	11
25/12/23 19:30	0.143	1.812	1.955	-0.314			3.3	124	11
25/12/23 19:35	0.041	1.772	1.813	-0.277			3.0	124	13
25/12/23 19:40	0.122	1.698	1.820	-0.211			3.2	122	09
25/12/23 19:45	0.155	1.619	1.773	-0.162			3.0	124	12
25/12/23 19:50	0.129	1.599	1.729	-0.227			2.6	123	15
25/12/23 19:55	0.065	1.620	1.685	-0.260			2.6	122	11
25/12/23 20:00	-0.012	1.742	1.730	-0.223			2.8	124	10
25/12/23 20:05	-0.054	1.814	1.760	-0.180			2.6	119	11
25/12/23 20:10	0.008	1.876	1.884	-0.173			2.5	118	14
25/12/23 20:15	-0.059	1.907	1.848	-0.128			2.4	122	08
25/12/23 20:20	-0.112	1.867	1.755	-0.122			2.4	125	12
25/12/23 20:25	-0.181	1.882	1.702	-0.100			2.1	123	14
25/12/23 20:30	-0.131	1.930	1.799	-0.058			2.4	122	11
25/12/23 20:35	0.002	1.898	1.900	-0.033			1.8	122	14
25/12/23 20:40	0.023	1.886	1.909	-0.071			2.1	119	24
25/12/23 20:45	0.069	2.054	2.123	-0.124			1.8	126	30
25/12/23 20:50	0.101	2.367	2.468	-0.131			2.0	120	27
25/12/23 20:55	0.133	2.863	2.996	-0.140			1.8	122	34
25/12/23 21:00	0.159	3.087	3.246	-0.168			1.5	139	38
25/12/23 21:05	0.141	3.307	3.448	-0.143			0.7	121	66
25/12/23 21:10	0.086	3.462	3.548	-0.151			1.2	130	45
25/12/23 21:15	0.078	3.588	3.665	-0.101			1.5	121	34
25/12/23 21:20	0.034	3.719	3.753	-0.144			2.6	122	14
25/12/23 21:25	-0.012	3.789	3.778	-0.155			2.7	123	15
25/12/23 21:30	0.054	3.573	3.627	-0.052			3.2	120	10
25/12/23 21:35	0.023	3.427	3.450	-0.020			3.2	119	10
25/12/23 21:40	-0.029	3.325	3.296	-0.098			3.4	109	10
25/12/23 21:45	0.027	3.135	3.161	-0.099			2.4	103	17
25/12/23 21:50	0.018	2.902	2.920	-0.132			2.1	119	14
25/12/23 21:55	-0.097	2.768	2.671	-0.155			2.8	111	10
25/12/23 22:00	-0.136	2.706	2.571	-0.178			2.1	102	16
25/12/23 22:05	-0.105	2.612	2.507	-0.146			2.1	108	14
25/12/23 22:10	-0.133	2.545	2.412	-0.143			2.0	114	13
25/12/23 22:15	-0.160	2.380	2.220	-0.174			2.4	112	12
25/12/23 22:20	-0.169	2.324	2.155	-0.256			2.6	118	12
25/12/23 22:25	-0.266	2.243	1.977	-0.259			2.9	119	11
25/12/23 22:30	-0.192	2.148	1.955	-0.248			2.8	120	08
25/12/23 22:35	-0.062	2.336	2.273	-0.292			3.0	121	16
25/12/23 22:40	0.021	2.425	2.446	-0.276			2.2	118	22
25/12/23 22:45	0.010	2.368	2.378	-0.245			1.6	124	40
25/12/23 22:50	-0.036	2.279	2.243	-0.258			1.2	134	43
25/12/23 22:55	-0.066	2.503	2.438	-0.310			0.7	133	56
25/12/23 23:00	0.040	2.840	2.880	-0.329			0.9	138	50
25/12/23 23:05	0.154	3.079	3.233	-0.323			1.3	132	38
25/12/23 23:10	0.112	3.275	3.387	-0.285			1.2	131	37
25/12/23 23:15	0.040	3.382	3.421	-0.237			1.2	149	45
25/12/23 23:20	-0.084	3.446	3.361	-0.230			1.1	133	47
25/12/23 23:25	-0.049	3.397	3.348	-0.220			2.2	124	21
25/12/23 23:30	-0.029	3.206	3.177	-0.280			1.9	123	27
25/12/23 23:35	-0.048	3.017	2.968	-0.267			1.4	156	35
25/12/23 23:40	-0.108	2.868	2.760	-0.258			1.7	140	36
25/12/23 23:45	-0.166	2.728	2.562	-0.254			3.0	119	11
25/12/23 23:50	-0.169	2.614	2.445				3.2	111	08
25/12/23 23:55	-0.178	2.476	2.298				2.1	123	12
26/12/23 00:00	-0.020	2.302	2.282				2.2	151	22
26/12/23 00:05	0.011	2.087	2.098	-0.253			1.6	152	34
26/12/23 00:10	0.102	2.002	2.104	-0.262			3.4	155	19
26/12/23 00:15	0.111	2.307	2.418	-0.295			2.3	121	29
26/12/23 00:20	0.107	2.513	2.620	-0.244			3.5	110	10
26/12/23 00:25	0.123	2.439	2.562	-0.255			3.0	117	11
26/12/23 00:30	0.159	2.158	2.317	-0.308			3.0	118	14
26/12/23 00:35	0.112	1.933	2.045	-0.329			1.5	123	30
26/12/23 00:40	0.180	1.848	2.029	-0.286			1.5	158	38

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/12/23 00:45	0.171	2.227	2.398	-0.329			4.0	157	14
26/12/23 00:50	0.225	2.827	3.052	-0.310			2.2	156	24
26/12/23 00:55	0.208	2.902	3.110	-0.216			2.3	157	31
26/12/23 01:00	0.103	2.831	2.933	-0.187			1.0	142	49
26/12/23 01:05							1.5	130	37
26/12/23 01:10							2.2	124	17
26/12/23 01:15							1.3	123	35
26/12/23 01:20							1.4	125	31
26/12/23 01:25							1.8	122	21
26/12/23 01:30							2.4	120	12
26/12/23 01:35							2.6	122	13
26/12/23 01:40							2.4	123	15
26/12/23 01:45							2.2	126	22
26/12/23 01:50							1.2	131	37
26/12/23 01:55							1.1	161	41
26/12/23 02:00							2.0	159	24
26/12/23 02:05	0.184	3.143	3.327	-0.101			3.0	156	16
26/12/23 02:10	0.125	3.175	3.300	-0.126			2.6	148	18
26/12/23 02:15	0.026	3.143	3.169	-0.081			2.4	151	21
26/12/23 02:20	-0.104	3.071	2.967	-0.131			2.7	150	17
26/12/23 02:25	-0.039	2.810	2.771	-0.101			3.0	151	20
26/12/23 02:30	-0.033	2.459	2.426	-0.065			3.2	148	17
26/12/23 02:35	-0.037	2.023	1.986	-0.009			3.3	153	17
26/12/23 02:40	0.001	1.750	1.751	-0.039			3.6	152	17
26/12/23 02:45	0.061	1.553	1.614	-0.038			3.3	151	19
26/12/23 02:50	0.168	1.372	1.540	-0.032			3.0	155	15
26/12/23 02:55	0.185	1.289	1.474	-0.011			1.4	160	34
26/12/23 03:00	0.204	1.214	1.418	0.003			1.6	160	31
26/12/23 03:05	0.271	1.077	1.348	-0.119			1.8	161	22
26/12/23 03:10	0.115	1.017	1.132	-0.127			1.9	160	27
26/12/23 03:15	0.046	0.925	0.971	-0.045			2.7	149	17
26/12/23 03:20	0.061	0.898	0.959	-0.017			2.1	146	25
26/12/23 03:25	0.085	0.895	0.980	0.001			2.6	143	22
26/12/23 03:30	-0.044	0.893	0.849	-0.012			2.6	144	20
26/12/23 03:35	0.010	0.878	0.887	-0.038			3.2	144	16
26/12/23 03:40	0.074	0.819	0.893	0.019			3.1	142	17
26/12/23 03:45	0.135	0.802	0.937	0.009			1.7	152	38
26/12/23 03:50	0.074	0.798	0.873	-0.051			0.9	181	39
26/12/23 03:55	0.080	0.779	0.859	-0.075			1.1	147	35
26/12/23 04:00	0.108	0.833	0.941	-0.094			1.3	146	36
26/12/23 04:05	0.083	0.893	0.975	-0.111			1.8	153	22
26/12/23 04:10	0.072	0.977	1.049	-0.094			0.8	145	43
26/12/23 04:15	0.040	1.128	1.168	-0.132			1.1	124	31
26/12/23 04:20	-0.035	1.274	1.240	-0.147			1.4	127	16
26/12/23 04:25	-0.139	1.472	1.333	-0.038			1.4	117	13
26/12/23 04:30	-0.019	1.697	1.678	-0.026			1.8	119	14
26/12/23 04:35	-0.074	2.196	2.122	0.117			2.4	117	11
26/12/23 04:40	0.015	2.339	2.354	0.129			2.7	116	11
26/12/23 04:45	0.050	2.417	2.467	0.092			2.2	112	11
26/12/23 04:50	0.023	2.557	2.580	0.061			2.7	110	12
26/12/23 04:55	0.018	2.814	2.832	0.036			2.8	110	11
26/12/23 05:00	0.060	3.081	3.141	0.018			2.5	114	12
26/12/23 05:05	0.102	3.198	3.300	0.039			2.2	119	12
26/12/23 05:10	0.276	3.162	3.438	0.049			2.1	125	18
26/12/23 05:15	0.260	2.956	3.216	0.010			0.7	141	62
26/12/23 05:20	0.165	2.767	2.932	-0.093			1.4	127	36
26/12/23 05:25	0.111	2.717	2.828	-0.091			0.9	120	45
26/12/23 05:30	0.112	2.708	2.819	-0.084			1.9	125	25
26/12/23 05:35	0.094	2.808	2.902	-0.028			2.3	122	16
26/12/23 05:40	-0.003	3.051	3.048	-0.022			2.3	111	15
26/12/23 05:45	0.021	3.254	3.275	-0.029			1.6	120	20
26/12/23 05:50	0.131	3.327	3.458	0.009			2.0	121	12
26/12/23 05:55	0.183	3.193	3.377	0.001			1.1	142	35
26/12/23 06:00	0.263	3.259	3.522	-0.042			1.9	161	28
26/12/23 06:05	0.414	3.494	3.908	-0.074			1.3	158	33
26/12/23 06:10	0.490	3.612	4.103	-0.130			1.1	150	36
26/12/23 06:15	0.517	3.686	4.203	-0.133			1.1	121	31
26/12/23 06:20	0.597	3.580	4.176	-0.153			0.8	135	43
26/12/23 06:25	0.631	3.450	4.081	-0.178			1.3	123	26
26/12/23 06:30	0.418	3.356	3.775	-0.150			1.8	120	15
26/12/23 06:35	13.713	1.987	15.700	-0.073			1.7	103	15
26/12/23 06:40	0.865	4.405	5.270	-0.075			1.4	115	15
26/12/23 06:45	0.548	4.103	4.651	-0.081			1.4	117	10
26/12/23 06:50	0.483	4.052	4.535	-0.092			0.5	125	43
26/12/23 06:55	0.635	3.889	4.524	-0.175			1.0	147	26
26/12/23 07:00	0.803	3.488	4.290	-0.193			1.4	153	27
26/12/23 07:05	1.211	3.215	4.426	-0.219			1.7	150	22
26/12/23 07:10	14.027	7.737	21.764	-0.163			2.4	152	23
26/12/23 07:15	1.146	1.332	2.477	-0.122			3.0	149	15
26/12/23 07:20	1.186	1.268	2.454	-0.082			2.6	151	20
26/12/23 07:25	0.349	1.290	1.639	-0.085			3.0	148	16
26/12/23 07:30	0.847	1.581	2.428	-0.040			2.6	152	16
26/12/23 07:35	0.884	1.785	2.669	-0.030			1.7	153	23
26/12/23 07:40	1.733	3.733	5.465	0.064			1.6	159	34
26/12/23 07:45	23.051	12.990	36.040	0.125			1.4	143	31
26/12/23 07:50	1.433	1.659	3.091	0.131			1.6	157	27
26/12/23 07:55	3.163	2.153	5.316	0.123			1.9	157	19
26/12/23 08:00	0.754	1.797	2.551	0.041			1.5	157	31
26/12/23 08:05	0.914	1.613	2.526	0.040			1.9	156	25
26/12/23 08:10	1.397	1.549	2.946	0.114			1.7	153	28
26/12/23 08:15	1.762	1.831	3.592	0.221			1.9	151	24
26/12/23 08:20	1.284	1.869	3.153	0.166			1.9	159	19
26/12/23 08:25	1.249	1.872	3.122	0.101			1.9	152	27
26/12/23 08:30	1.493	1.967	3.461	0.085			1.8	125	23
26/12/23 08:35	2.011	1.931	3.942	0.028			1.4	129	32
26/12/23 08:40	1.419	0.962	2.380	0.031			1.7	124	30
26/12/23 08:45	0.859	1.286	2.144	0.071			1.0	131	49
26/12/23 08:50	0.571	1.342	1.913	0.066			1.0	161	53
26/12/23 08:55	0.595	1.316	1.910	0.050			0.8	146	58
26/12/23 09:00	0.616	1.395	2.012	0.030			1.8	139	37
26/12/23 09:05	0.548	1.475	2.022	0.061			0.9	130	55
26/12/23 09:10	0.496	1.543	2.039	0.095			1.0	161	56
26/12/23 09:15	0.507	1.555	2.062	0.135			1.1	155	44
26/12/23 09:20	0.545	1.707	2.252	0.119			1.0	161	51
26/12/23 09:25	0.458	1.812	2.270	0.085			1.3	166	41
26/12/23 09:30	0.487	1.875	2.362	0.117			1.6	156	31

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/12/23 09:35	0.556	1.893	2.449	0.098			0.8	149	61
26/12/23 09:40	0.579	1.940	2.519	0.116			1.0	127	55
26/12/23 09:45	0.552	1.920	2.472	0.167			1.3	155	48
26/12/23 09:50	0.414	1.983	2.397	0.087			3.0	152	29
26/12/23 09:55	0.387	1.834	2.221	0.041			3.0	145	28
26/12/23 10:00	0.425	1.905	2.331	0.042			2.4	147	31
26/12/23 10:05	0.513	2.049	2.562	0.078			3.9	151	20
26/12/23 10:10	0.565	2.066	2.632	0.166			3.3	152	21
26/12/23 10:15	0.668	1.985	2.654	0.222			2.9	154	21
26/12/23 10:20	0.745	1.979	2.724	0.224			3.6	150	14
26/12/23 10:25	0.705	1.927	2.632	0.187			2.7	150	27
26/12/23 10:30	0.754	1.819	2.574	0.210			3.4	156	18
26/12/23 10:35	0.635	1.777	2.411	0.276			3.1	143	21
26/12/23 10:40	0.637	1.736	2.373	0.371			3.7	144	15
26/12/23 10:45	0.612	1.682	2.294	0.356			3.0	149	17
26/12/23 10:50	0.658	1.678	2.335	0.409			3.5	147	17
26/12/23 10:55	0.582	1.685	2.266	0.413			2.4	149	27
26/12/23 11:00	0.688	1.745	2.434	0.409			3.1	151	20
26/12/23 11:05	0.665	1.757	2.422	0.318			3.9	146	18
26/12/23 11:10	0.563	1.669	2.232	0.288			3.3	151	23
26/12/23 11:15	0.538	1.619	2.157	0.365			2.9	156	23
26/12/23 11:20	0.608	1.587	2.196	0.410			3.0	156	22
26/12/23 11:25	0.700	1.658	2.358	0.370			3.6	152	17
26/12/23 11:30	0.779	1.707	2.486	0.332			3.0	153	26
26/12/23 11:35	0.835	1.761	2.596	0.370			3.7	149	20
26/12/23 11:40	0.872	1.723	2.595	0.412			4.1	155	15
26/12/23 11:45	0.866	1.794	2.659	0.419			3.3	147	26
26/12/23 11:50	1.043	1.772	2.815	0.387			4.6	148	12
26/12/23 11:55	0.990	1.793	2.783	0.403			3.4	151	20
26/12/23 12:00	0.967	1.891	2.859	0.432			3.8	154	18
26/12/23 12:05	0.871	1.938	2.810	0.465			4.1	160	12
26/12/23 12:10	0.787	1.983	2.769	0.443			1.2	138	54
26/12/23 12:15	0.741	2.052	2.793	0.407			1.5	153	46
26/12/23 12:20	0.742	2.113	2.855	0.380			3.2	156	26
26/12/23 12:25	0.735	2.256	2.991	0.407			3.3	144	22
26/12/23 12:30	0.763	2.094	2.857	0.408			3.7	126	11
26/12/23 12:35	0.789	2.043	2.832	0.392			1.8	162	40
26/12/23 12:40	0.707	1.921	2.628	0.360			2.6	157	22
26/12/23 12:45	1.719	3.833	5.551	0.414			3.1	149	23
26/12/23 12:50	0.795	1.065	1.859	0.461			3.6	155	17
26/12/23 12:55	0.532	1.105	1.637	0.514			1.3	129	43
26/12/23 13:00	0.985	2.037	3.022	0.429			3.1	116	14
26/12/23 13:05	0.747	1.986	2.733	0.335			3.0	113	14
26/12/23 13:10	0.431	2.214	2.645	0.290			2.7	123	11
26/12/23 13:15	0.251	1.977	2.228	0.182			2.9	109	13
26/12/23 13:20	0.468	2.266	2.734	0.098			3.7	72	18
26/12/23 13:25	0.392	2.444	2.836	0.102			3.1	51	34
26/12/23 13:30	0.445	2.738	3.184	0.056			2.3	357	33
26/12/23 13:35	0.564	3.307	3.871	-0.011			2.5	332	38
26/12/23 13:40	0.737	4.455	5.192	0.034			2.5	5	37
26/12/23 13:45	0.902	6.288	7.190	-0.027			1.9	322	37
26/12/23 13:50	1.027	8.837	9.864	-0.074			3.3	310	17
26/12/23 13:55	1.014	9.302	10.315	-0.050			3.0	316	20
26/12/23 14:00	0.985	7.526	8.510	-0.060			1.6	297	32
26/12/23 14:05	0.983	5.499	6.482	-0.095			1.8	292	32
26/12/23 14:10	0.943	5.485	6.428	-0.079			1.6	279	28
26/12/23 14:15	0.913	5.779	6.692	-0.094			1.3	277	31
26/12/23 14:20	0.831	5.571	6.402	-0.108			2.1	273	19
26/12/23 14:25	1.044	6.107	7.151	-0.131			3.4	267	08
26/12/23 14:30	1.076	5.997	7.073	-0.126			2.7	265	14
26/12/23 14:35	0.981	5.292	6.274	-0.126			2.8	264	15
26/12/23 14:40	1.087	5.555	6.642	-0.127			1.9	266	17
26/12/23 14:45	1.159	6.081	7.240	-0.072			2.8	262	11
26/12/23 14:50	1.267	6.653	7.920	-0.033			2.3	252	14
26/12/23 14:55	1.783	7.861	9.644	-0.068			1.6	243	18
26/12/23 15:00	1.652	5.878	7.530	-0.019			1.2	237	18
26/12/23 15:05	1.390	5.254	6.644	-0.024			1.3	235	20
26/12/23 15:10	1.227	4.981	6.208	-0.012			0.9	235	27
26/12/23 15:15	1.022	4.372	5.394	0.046			1.0	234	18
26/12/23 15:20	0.867	3.653	4.520	0.044			0.8	234	21
26/12/23 15:25	0.652	3.123	3.775	0.003			0.9	237	23
26/12/23 15:30	0.510	2.929	3.439	-0.046			1.2	234	10
26/12/23 15:35	0.633	2.839	3.472	-0.097			0.7	240	24
26/12/23 15:40	0.639	2.848	3.487	-0.112			0.5	232	32
26/12/23 15:45	0.698	2.766	3.465	-0.101			0.6	223	28
26/12/23 15:50	0.711	2.843	3.553	-0.179			0.6	142	41
26/12/23 15:55	0.501	2.502	3.003	-0.134			1.0	131	21
26/12/23 16:00	0.342	2.267	2.609	-0.047			1.1	144	22
26/12/23 16:05	0.285	2.064	2.348	0.008			1.0	145	23
26/12/23 16:10	0.278	1.912	2.190	0.082			0.9	148	24
26/12/23 16:15	0.330	1.776	2.106	0.032			0.7	158	34
26/12/23 16:20	0.471	1.760	2.232	0.107			0.4	153	48
26/12/23 16:25	0.458	1.703	2.161	0.117			0.4	164	44
26/12/23 16:30	0.392	1.681	2.073	0.060			0.4	174	44
26/12/23 16:35	0.383	1.687	2.069	0.035			0.5	132	30
26/12/23 16:40	0.498	1.603	2.101	0.037			0.2	114	59
26/12/23 16:45	0.461	1.471	1.932	0.066			0.2	200	58
26/12/23 16:50	0.461	1.393	1.854	0.088			0.4	227	36
26/12/23 16:55	0.419	1.409	1.827	0.058			0.4	209	37
26/12/23 17:00	0.422	1.410	1.832	0.067			0.6	213	32
26/12/23 17:05	0.347	1.464	1.810	0.047			0.7	230	16
26/12/23 17:10	0.264	1.419	1.684	0.060			0.8	228	16
26/12/23 17:15	0.246	1.417	1.663	0.041			0.8	225	20
26/12/23 17:20	0.192	1.317	1.509	0.051			0.6	238	31
26/12/23 17:25	0.038	1.310	1.348	0.075			0.9	231	17
26/12/23 17:30	0.026	1.371	1.397	0.042			1.1	232	12
26/12/23 17:35	0.202	1.588	1.789	0.035			1.0	220	18
26/12/23 17:40	0.280	1.767	2.047	-0.024			0.6	194	33
26/12/23 17:45	0.272	1.968	2.240	-0.038			0.9	195	25
26/12/23 17:50	0.256	2.229	2.485	0.008			1.0	193	20
26/12/23 17:55	0.633	3.681	4.313	-0.065			0.8	195	31
26/12/23 18:00	0.646	3.865	4.511	-0.053			0.7	194	27
26/12/23 18:05	0.610	3.400	4.010	-0.046			1.3	231	12
26/12/23 18:10	0.634	3.518	4.152	-0.031			1.2	228	12
26/12/23 18:15	0.653	3.613	4.267	-0.051			1.8	230	07
26/12/23 18:20	0.660	3.699	4.360	-0.087			2.0	223	08

Station Pier Ambient Air Quality Monitoring
December 2023
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
26/12/23 18:25	0.725	3.710	4.435	-0.034			2.0	225	08
26/12/23 18:30	0.582	3.613	4.195	-0.054			0.7	235	28
26/12/23 18:35	0.563	3.339	3.902	-0.030			0.8	250	24
26/12/23 18:40	1.117	5.106	6.223	-0.066			0.6	234	33
26/12/23 18:45	1.236	5.954	7.190	-0.040			0.6	242	34
26/12/23 18:50	0.702	5.904	6.606	-0.030			0.6	232	26
26/12/23 18:55	0.502	5.611	6.113	-0.062			0.5	226	22
26/12/23 19:00	0.459	5.274	5.733	-0.050			0.6	233	27
26/12/23 19:05	0.423	4.798	5.221	-0.012			0.9	232	15
26/12/23 19:10	0.365	4.311	4.675	-0.069			0.9	226	17
26/12/23 19:15	0.249	4.061	4.310	-0.145			1.0	228	16
26/12/23 19:20	0.160	3.956	4.117	-0.175			1.2	225	12
26/12/23 19:25	0.145	3.777	3.922	-0.129			0.9	235	19
26/12/23 19:30	0.171	3.722	3.893	-0.094			0.6	243	33
26/12/23 19:35	0.214	4.257	4.472	-0.081			0.6	234	28
26/12/23 19:40	0.130	5.007	5.137	-0.037			0.6	243	31
26/12/23 19:45	0.025	5.405	5.430	-0.020			0.6	229	30
26/12/23 19:50	-0.041	5.309	5.268	-0.035			0.8	242	26
26/12/23 19:55	-0.013	5.183	5.171	-0.083			0.6	240	45
26/12/23 20:00	0.076	4.698	4.774	-0.159			0.9	241	24
26/12/23 20:05	0.124	4.187	4.310	-0.168			1.2	231	16
26/12/23 20:10	0.095	3.730	3.826	-0.164			1.3	230	12
26/12/23 20:15	0.017	3.458	3.475	-0.187			1.3	232	10
26/12/23 20:20	-0.014	3.044	3.029	-0.202			0.7	250	36
26/12/23 20:25	0.030	2.815	2.845	-0.167			0.9	254	30
26/12/23 20:30	0.070	2.799	2.869	-0.203			0.8	253	24
26/12/23 20:35	0.021	2.759	2.780	-0.200			0.9	248	31
26/12/23 20:40	0.039	2.821	2.861	-0.237			1.2	254	20
26/12/23 20:45	0.096	2.814	2.910	-0.217			1.2	256	25
26/12/23 20:50	-0.028	2.840	2.812	-0.197			0.7	248	32
26/12/23 20:55	-0.072	2.958	2.886	-0.191			0.9	231	15
26/12/23 21:00	0.059	3.297	3.356	-0.189			1.1	232	17
26/12/23 21:05	0.620	9.418	10.037	-0.107			1.3	233	13
26/12/23 21:10	0.513	3.189	3.702	-0.088			1.9	235	08
26/12/23 21:15	0.424	4.471	4.895	-0.133			2.4	233	06
26/12/23 21:20	0.268	4.786	5.054	-0.150			2.1	231	07
26/12/23 21:25	0.292	5.151	5.443	-0.062			2.3	231	07
26/12/23 21:30	0.253	5.676	5.929	-0.015			2.0	232	10
26/12/23 21:35	0.263	6.921	7.184	0.020			1.8	224	12
26/12/23 21:40	0.213	6.901	7.114	0.012			1.7	205	15
26/12/23 21:45	0.197	6.058	6.255	0.111			1.8	213	14
26/12/23 21:50	0.187	5.581	5.769	0.129			1.9	210	12
26/12/23 21:55	0.183	5.297	5.480	0.054			1.8	207	13
26/12/23 22:00	0.122	4.826	4.948	-0.023			1.6	214	14
26/12/23 22:05	0.035	4.589	4.624	-0.085			2.0	211	14
26/12/23 22:10	-0.006	4.651	4.645	-0.011			1.5	208	14
26/12/23 22:15	-0.025	4.750	4.725	-0.009			2.0	216	14
26/12/23 22:20	-0.058	4.868	4.811	0.002			1.1	195	33
26/12/23 22:25	0.017	4.465	4.482	0.038			1.0	203	30
26/12/23 22:30	0.114	3.878	3.991	-0.006			1.2	196	28
26/12/23 22:35	0.061	3.298	3.359	-0.029			1.2	198	23
26/12/23 22:40	0.137	2.852	2.989	-0.090			1.1	213	28
26/12/23 22:45	0.153	2.524	2.677	-0.064			1.0	190	28
26/12/23 22:50	0.117	2.282	2.400	0.033			1.2	208	28
26/12/23 22:55	0.145	2.206	2.351	-0.007			1.1	210	22
26/12/23 23:00	0.083	2.029	2.112	-0.018			0.9	199	30
26/12/23 23:05	0.060	1.818	1.878	-0.070			0.9	213	35
26/12/23 23:10	0.137	1.696	1.833	-0.136			1.4	206	21
26/12/23 23:15	0.163	1.593	1.756	-0.148			1.7	212	17
26/12/23 23:20	0.184	1.383	1.567	-0.071			1.7	214	13
26/12/23 23:25	0.045	1.235	1.280	-0.081			1.7	207	19
26/12/23 23:30	-0.134	1.140	1.005	-0.062			1.9	214	16
26/12/23 23:35	-0.067	1.036	0.969	-0.062			1.7	216	17
26/12/23 23:40	0.013	0.973	0.986	-0.061			2.5	212	14
26/12/23 23:45	0.108	0.851	0.958	-0.074			2.3	211	14
26/12/23 23:50	0.127	0.764	0.891				2.1	214	11
26/12/23 23:55	0.229	0.754	0.983				2.5	221	09
27/12/23 00:00	0.098	0.811	0.909				2.4	214	13
27/12/23 00:05	-0.029	0.802	0.772	-0.098			2.3	213	14
27/12/23 00:10	-0.097	0.780	0.682	-0.016			2.2	213	14
27/12/23 00:15	-0.059	0.766	0.707	0.118			2.3	211	14
27/12/23 00:20	-0.069	0.769	0.700	0.107			2.3	217	14
27/12/23 00:25	-0.056	0.728	0.672	0.173			1.9	211	19
27/12/23 00:30	-0.046	0.705	0.659	0.168			1.9	213	14
27/12/23 00:35	-0.021	0.764	0.743	0.119			1.7	204	16
27/12/23 00:40	-0.002	0.871	0.869	0.050			1.8	209	14
27/12/23 00:45	-0.024	1.038	1.014	0.080			1.9	210	16
27/12/23 00:50	0.056	1.190	1.246	0.026			2.7	227	09
27/12/23 00:55	0.137	1.322	1.458	0.052			3.4	227	08
27/12/23 01:00	0.193	1.392	1.585	0.061			3.1	224	10
27/12/23 01:05							3.0	224	08
27/12/23 01:10							2.6	224	09
27/12/23 01:15							2.5	226	10
27/12/23 01:20							1.8	218	14
27/12/23 01:25							1.4	208	16
27/12/23 01:30							2.3	221	11
27/12/23 01:35							2.3	222	08
27/12/23 01:40							1.7	220	12
27/12/23 01:45							1.4	207	21
27/12/23 01:50							1.9	210	13
27/12/23 01:55							1.5	210	14
27/12/23 02:00							1.7	211	13
27/12/23 02:05	0.189	1.160	1.350	0.192			1.4	206	15
27/12/23 02:10	0.089	1.149	1.239	0.150			1.2	209	16
27/12/23 02:15	0.060	1.074	1.135	0.175			1.5	208	17
27/12/23 02:20	0.159	0.923	1.083	0.230			0.9	206	34
27/12/23 02:25	0.204	0.902	1.106	0.168			0.8	192	36
27/12/23 02:30	0.176	0.886	1.061	0.103			0.6	193	34
27/12/23 02:35	0.043	0.905	0.948	0.027			1.2	210	15
27/12/23 02:40	0.069	0.846	0.915	0.009			1.3	209	14
27/12/23 02:45	0.091	0.807	0.898	0.040			1.2	205	18
27/12/23 02:50	0.138	0.785	0.923	0.050			0.9	209	23
27/12/23 02:55	0.163	0.719	0.882	0.012			0.8	187	19
27/12/23 03:00	0.065	0.703	0.769	0.030			0.9	200	20
27/12/23 03:05	0.109	0.736	0.844	-0.033			0.9	226	19
27/12/23 03:10	0.005	0.768	0.773	-0.006			1.1	221	10

Station Pier Ambient Air Quality Monitoring
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/12/23 03:15	0.009	0.790	0.799	-0.030			0.5	193	47
27/12/23 03:20	0.117	0.785	0.901	-0.044			1.3	115	12
27/12/23 03:25	0.046	0.887	0.933	-0.056			1.1	116	14
27/12/23 03:30	0.073	1.097	1.169	-0.095			0.3	105	37
27/12/23 03:35	0.101	1.315	1.416	-0.131			0.4	139	22
27/12/23 03:40	0.103	1.449	1.551	-0.171			0.5	191	24
27/12/23 03:45	0.076	1.511	1.587	-0.169			0.6	151	19
27/12/23 03:50	-0.038	1.498	1.460	-0.173			0.6	186	24
27/12/23 03:55	-0.070	1.459	1.389	-0.180			0.6	211	16
27/12/23 04:00	-0.165	1.416	1.251	-0.182			0.1	253	85
27/12/23 04:05	-0.110	1.447	1.337	-0.116			0.5	42	20
27/12/23 04:10	-0.015	1.655	1.640	-0.117			0.4	35	17
27/12/23 04:15	0.070	1.932	2.002	-0.074			0.2	276	39
27/12/23 04:20	0.101	2.032	2.133	-0.064			0.5	198	20
27/12/23 04:25	0.080	1.892	1.972	-0.064			0.7	194	19
27/12/23 04:30	0.151	1.757	1.908	-0.098			0.5	212	28
27/12/23 04:35	0.159	1.608	1.767	-0.160			0.8	211	22
27/12/23 04:40	0.146	1.477	1.622	-0.146			0.6	173	26
27/12/23 04:45	0.138	1.430	1.568	-0.116			0.6	186	26
27/12/23 04:50	0.209	1.346	1.555	-0.107			0.6	202	31
27/12/23 04:55	0.249	1.242	1.492	-0.089			0.9	210	20
27/12/23 05:00	0.172	1.318	1.490	-0.043			0.8	199	20
27/12/23 05:05	0.219	1.361	1.580	-0.082			0.5	176	31
27/12/23 05:10	0.226	1.465	1.691	-0.114			0.2	162	47
27/12/23 05:15	0.234	1.717	1.951	-0.200			0.4	203	27
27/12/23 05:20	1.654	2.195	3.849	-0.248			0.5	170	42
27/12/23 05:25	21.578		14.759	-0.183			0.9	150	26
27/12/23 05:30	0.570	3.312	3.882	-0.209			0.7	145	23
27/12/23 05:35	0.381	2.934	3.315	-0.276			0.9	116	13
27/12/23 05:40	0.395	3.042	3.437	-0.223			0.9	98	13
27/12/23 05:45	0.318	3.182	3.501	-0.178			1.0	111	11
27/12/23 05:50	0.325	3.358	3.683	-0.187			1.1	93	12
27/12/23 05:55	0.343	3.608	3.951	-0.210			0.9	86	13
27/12/23 06:00	0.613	4.262	4.875	-0.170			0.6	90	22
27/12/23 06:05	1.252	6.341	7.593	-0.189			1.0	112	14
27/12/23 06:10	1.395	4.817	6.212	-0.161			1.0	116	14
27/12/23 06:15	0.493	5.029	5.522	-0.127			1.0	116	10
27/12/23 06:20	0.617	5.149	5.766	-0.063			0.9	114	10
27/12/23 06:25	1.306	5.379	6.686	-0.021			0.7	121	17
27/12/23 06:30	2.982	7.562	10.544	-0.012			1.0	126	10
27/12/23 06:35	2.791	6.070	8.861	-0.096			0.8	125	14
27/12/23 06:40	12.402	24.240	36.642	-0.116			0.5	138	31
27/12/23 06:45	7.978	6.134	14.111	-0.062			0.6	160	22
27/12/23 06:50	4.208	7.722	11.930	-0.116			0.7	155	17
27/12/23 06:55	2.793	6.243	9.035	-0.140			0.5	134	22
27/12/23 07:00	2.069	5.896	7.966	-0.134			0.5	135	20
27/12/23 07:05	1.981	5.530	7.511	-0.138			0.5	138	27
27/12/23 07:10	1.951	5.510	7.461	-0.104			0.4	215	35
27/12/23 07:15	1.976	5.530	7.506	-0.100			0.6	246	30
27/12/23 07:20	1.884	5.310	7.195	-0.029			0.4	230	27
27/12/23 07:25	1.724	5.124	6.848	0.066			0.7	192	23
27/12/23 07:30	6.000	4.908	10.908	0.134			0.8	187	21
27/12/23 07:35	7.152	3.772	10.923	0.174			0.5	168	42
27/12/23 07:40	11.312	5.650	16.962	0.316			0.4	154	42
27/12/23 07:45	2.401	5.613	8.013	0.432			0.4	183	38
27/12/23 07:50	1.568	5.394	6.962	0.537			0.4	207	39
27/12/23 07:55	2.376	6.125	8.501	0.665			0.6	205	31
27/12/23 08:00	3.667	7.144	10.811	0.853			0.7	194	25
27/12/23 08:05	4.303	5.608	9.911	0.996			0.6	198	41
27/12/23 08:10	5.734	5.540	11.274	1.042			1.1	195	22
27/12/23 08:15	3.542	5.086	8.628	1.040			1.0	211	25
27/12/23 08:20	3.177	4.534	7.710	1.130			1.1	213	23
27/12/23 08:25	3.145	4.685	7.830	1.062			0.9	204	25
27/12/23 08:30	3.790	5.307	9.097	1.030			1.1	213	23
27/12/23 08:35	3.334	4.737	8.071	1.030			1.2	213	18
27/12/23 08:40	3.968	6.278	10.246	0.955			1.3	207	22
27/12/23 08:45	3.446	3.955	7.400	0.873			0.8	204	27
27/12/23 08:50	3.490	5.183	8.673	0.838			0.9	215	27
27/12/23 08:55	3.680	4.239	7.919	0.873			0.9	210	30
27/12/23 09:00	2.831	3.431	6.263	0.917			1.1	208	26
27/12/23 09:05	1.980	3.381	5.361	0.876			1.0	204	29
27/12/23 09:10	2.578	4.327	6.906	0.874			1.2	214	27
27/12/23 09:15	2.148	3.037	5.184	0.909			0.9	218	29
27/12/23 09:20	2.851	3.588	6.439	0.943			1.1	218	24
27/12/23 09:25	3.641	4.074	7.715	0.877			1.0	195	33
27/12/23 09:30	1.943	2.829	4.772	0.830			1.0	194	23
27/12/23 09:35	1.267	2.110	3.377	0.797			0.8	194	35
27/12/23 09:40	1.340	2.128	3.468	0.675			1.2	220	20
27/12/23 09:45	1.421	2.342	3.763	0.638			1.6	226	15
27/12/23 09:50	1.382	2.441	3.822	0.619			2.0	228	11
27/12/23 09:55	1.371	2.510	3.881	0.561			1.9	230	12
27/12/23 10:00	1.471	2.642	4.113	0.532			2.1	231	11
27/12/23 10:05	1.698	2.924	4.623	0.429			2.0	224	16
27/12/23 10:10	2.018	3.231	5.249	0.393			1.9	222	16
27/12/23 10:15	2.176	3.515	5.691	0.444			2.1	228	12
27/12/23 10:20	2.006	3.430	5.436	0.521			2.1	232	14
27/12/23 10:25	1.794	3.081	4.876	0.616			2.5	230	13
27/12/23 10:30	1.780	2.999	4.779	0.594			2.4	230	10
27/12/23 10:35	1.595	2.630	4.224	0.629			2.2	234	08
27/12/23 10:40	1.421	2.498	3.920	0.702			2.5	232	10
27/12/23 10:45	1.717	2.987	4.704	0.738			2.4	231	11
27/12/23 10:50	1.848	3.430	5.279	0.854			2.5	232	08
27/12/23 10:55	1.871	3.667	5.538	0.877			2.3	231	12
27/12/23 11:00	1.630	3.314	4.945	0.818			2.1	231	12
27/12/23 11:05	1.359	2.799	4.158	0.817			2.0	233	09
27/12/23 11:10	1.895	4.415	6.310	0.779			2.0	233	11
27/12/23 11:15	1.680	1.497	3.177	0.766			2.6	229	08
27/12/23 11:20	1.756	2.708	4.463	0.777			3.5	228	08
27/12/23 11:25	2.235	3.459	5.694	0.824			3.0	229	10
27/12/23 11:30	1.894	2.548	4.442	0.861			2.5	233	08
27/12/23 11:35	1.579	1.857	3.436	0.822			2.9	231	08
27/12/23 11:40	1.798	2.585	4.383	0.794			2.7	231	09
27/12/23 11:45	1.915	2.442	4.357	0.793			2.6	228	10
27/12/23 11:50	2.014	3.128	5.142	0.805			2.3	226	11
27/12/23 11:55	1.755	3.081	4.836	0.832			2.6	231	08
27/12/23 12:00	1.427	2.832	4.259	0.837			2.7	231	08

Station Pier Ambient Air Quality Monitoring
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Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/12/23 12:05	1.712	3.052	4.764	0.867			2.6	227	15
27/12/23 12:10	1.877	3.191	5.067	0.811			2.8	228	08
27/12/23 12:15	1.838	3.072	4.911	0.752			2.0	228	13
27/12/23 12:20	1.549	2.706	4.256	0.755			2.3	231	11
27/12/23 12:25	1.361	2.467	3.829	0.753			2.3	231	08
27/12/23 12:30	1.292	2.458	3.750	0.770			2.3	232	08
27/12/23 12:35	1.331	2.601	3.932	0.736			2.7	228	08
27/12/23 12:40	1.407	2.880	4.287	0.713			2.6	231	11
27/12/23 12:45	1.705	3.581	5.286	0.714			2.4	226	14
27/12/23 12:50	2.016	6.669	8.684	0.700			3.0	230	10
27/12/23 12:55	2.391	7.518	9.908	0.712			3.5	230	07
27/12/23 13:00	2.296	5.314	7.610	0.768			2.8	230	09
27/12/23 13:05	1.981	3.906	5.887	0.844			2.7	231	12
27/12/23 13:10	1.893	3.669	5.562	0.847			3.1	229	12
27/12/23 13:15	2.040	3.855	5.894	0.862			3.4	228	11
27/12/23 13:20	2.394	3.616	6.010	0.845			2.8	231	11
27/12/23 13:25	2.533	3.599	6.132	0.819			2.4	226	15
27/12/23 13:30	3.269	5.232	8.501	0.816			3.0	227	13
27/12/23 13:35	6.721	9.152	15.873	0.864			3.3	226	15
27/12/23 13:40	5.079	6.664	11.744	0.799			3.0	224	15
27/12/23 13:45	3.881	5.514	9.394	0.741			2.8	225	13
27/12/23 13:50	3.707	3.510	7.217	0.790			2.8	226	15
27/12/23 13:55	6.220	5.992	12.212	0.874			2.9	224	16
27/12/23 14:00	12.983	7.969	20.952	0.821			3.0	225	14
27/12/23 14:05	10.909	5.754	16.663	0.847			3.1	225	16
27/12/23 14:10	12.090	5.031	17.121	0.820			3.6	224	11
27/12/23 14:15	5.401	5.310	10.711	0.796			2.9	227	13
27/12/23 14:20	9.109	9.114	18.223	0.752			2.9	225	15
27/12/23 14:25	9.258	7.909	17.167	0.722			3.1	228	12
27/12/23 14:30	5.765	5.512	11.277	0.734			2.8	227	11
27/12/23 14:35	4.947	5.798	10.745	0.746			3.0	225	13
27/12/23 14:40	5.976	6.102	12.078	0.745			2.4	224	16
27/12/23 14:45	9.269	7.157	16.427	0.724			2.7	226	16
27/12/23 14:50	20.941	8.517	29.458	0.679			2.6	225	13
27/12/23 14:55	11.334	6.069	17.403	0.687			2.4	226	13
27/12/23 15:00	6.552	8.642	15.195	0.717			2.9	225	16
27/12/23 15:05	21.189	12.507	33.695	0.714			2.2	220	16
27/12/23 15:10	23.271	10.192	33.462	0.740			2.6	222	16
27/12/23 15:15	9.630	6.213	15.843	0.729			3.3	226	12
27/12/23 15:20	12.108	14.307	26.416	0.695			2.7	224	16
27/12/23 15:25	25.069	18.986	44.054	0.676			3.0	226	11
27/12/23 15:30	14.824	13.037	27.861	0.654			3.1	225	12
27/12/23 15:35	10.804	9.378	20.182	0.653			3.0	226	15
27/12/23 15:40	11.570	8.002	19.572	0.597			3.0	228	12
27/12/23 15:45	50.736	11.950	62.686	0.569			2.0	223	15
27/12/23 15:50	14.373	7.315	21.688	0.713			2.9	226	12
27/12/23 15:55	11.115	8.930	20.045	0.819			3.2	223	15
27/12/23 16:00	51.608	14.771	66.379	0.912			2.5	218	16
27/12/23 16:05	19.333	5.371	24.704	0.988			2.9	226	16
27/12/23 16:10	18.221	13.791	32.013	0.941			3.2	226	14
27/12/23 16:15	12.229	5.854	18.084	0.902			3.3	228	11
27/12/23 16:20	2.869	2.795	5.664	0.756			3.9	229	09
27/12/23 16:25	14.900	1.191	16.091	0.642			3.3	229	13
27/12/23 16:30	6.310	3.911	10.222	0.606			3.6	227	11
27/12/23 16:35	6.117	4.773	10.889	0.620			4.1	226	10
27/12/23 16:40	11.027	3.639	14.666	0.550			3.4	225	14
27/12/23 16:45	10.510	5.747	16.258	0.574			3.9	229	10
27/12/23 16:50	55.668	17.836	73.504	0.599			2.8	228	20
27/12/23 16:55	75.918	20.004	95.922	0.674			2.5	223	15
27/12/23 17:00	144.715	20.208	164.923	0.871			2.5	219	16
27/12/23 17:05	65.144	15.817	80.961	1.035			3.0	227	13
27/12/23 17:10	70.208	10.018	80.226	1.114			3.2	224	12
27/12/23 17:15	50.162	21.755	71.917	1.105			3.5	228	11
27/12/23 17:20	250.210	16.889	267.099	1.244			2.7	210	20
27/12/23 17:25	148.284	17.556	165.840	1.586			4.4	210	12
27/12/23 17:30	2.710	2.832	5.541	1.429			4.0	233	07
27/12/23 17:35	1.760	2.521	4.281	1.100			4.0	233	07
27/12/23 17:40	1.478	2.389	3.867	0.752			3.6	234	07
27/12/23 17:45	1.340	2.330	3.669	0.505			4.0	233	07
27/12/23 17:50	1.309	1.964	3.273	0.352			4.1	232	06
27/12/23 17:55	1.041	1.554	2.595	0.327			4.6	227	08
27/12/23 18:00	0.802	1.109	1.911	0.433			4.2	232	06
27/12/23 18:05	0.603	1.247	1.850	0.406			4.3	230	08
27/12/23 18:10	0.636	1.296	1.932	0.449			4.4	230	05
27/12/23 18:15	0.593	1.444	2.037	0.420			4.2	232	07
27/12/23 18:20	0.442	1.309	1.750	0.338			4.9	228	07
27/12/23 18:25	0.308	1.151	1.459	0.360			3.8	233	06
27/12/23 18:30	0.427	1.738	2.165	0.275			4.7	228	07
27/12/23 18:35	0.408	1.564	1.972	0.309			4.0	232	06
27/12/23 18:40	0.431	1.844	2.275	0.272			3.7	221	10
27/12/23 18:45	0.384	1.475	1.859	0.211			3.7	224	08
27/12/23 18:50	0.515	2.234	2.749	0.186			4.4	232	06
27/12/23 18:55	1.276	4.998	6.274	0.181			4.7	227	06
27/12/23 19:00	0.755	0.504	1.259	0.099			4.1	229	08
27/12/23 19:05	0.429	0.450	0.879	0.002			4.1	230	06
27/12/23 19:10	0.370	0.514	0.884	0.010			4.2	225	08
27/12/23 19:15	0.379	0.853	1.231	0.046			4.0	224	09
27/12/23 19:20	1.219	10.661	11.880	-0.002			3.9	223	09
27/12/23 19:25	1.197	2.192	3.389	0.012			3.9	222	07
27/12/23 19:30	1.055	2.744	3.799	-0.039			3.5	222	09
27/12/23 19:35	0.500	2.489	2.988	-0.081			3.3	223	11
27/12/23 19:40	0.452	1.908	2.360	-0.217			3.2	224	10
27/12/23 19:45	0.528	2.122	2.649	-0.309			3.2	225	08
27/12/23 19:50	0.409	2.458	2.868	-0.184			3.0	225	11
27/12/23 19:55	0.351	2.646	2.998	-0.195			2.8	223	10
27/12/23 20:00	0.146	3.236	3.382	-0.201			3.2	231	07
27/12/23 20:05	0.008	3.329	3.337	-0.145			3.4	231	07
27/12/23 20:10	0.048	3.159	3.207	-0.103			3.1	233	07
27/12/23 20:15	-0.005	2.788	2.783	-0.248			3.7	229	07
27/12/23 20:20	-0.109	2.392	2.282	-0.269			3.1	233	07
27/12/23 20:25	-0.133	2.213	2.080	-0.172			2.2	230	11
27/12/23 20:30	-0.232	2.229	1.997	-0.190			3.5	230	09
27/12/23 20:35	-0.140	2.491	2.351	-0.136			3.5	230	05
27/12/23 20:40	-0.126	3.703	3.578	-0.112			3.1	231	07
27/12/23 20:45	-0.022	3.714	3.692	-0.136			2.1	236	15
27/12/23 20:50	-0.047	3.741	3.694	-0.153			1.8	235	15

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/12/23 20:55	-0.146	3.824	3.678	-0.161			2.2	233	13
27/12/23 21:00	-0.129	4.157	4.029	-0.231			3.0	231	09
27/12/23 21:05	-0.035	5.731	5.696	-0.226			2.6	231	10
27/12/23 21:10	0.046	7.233	7.279	-0.274			2.6	232	07
27/12/23 21:15	0.127	7.049	7.175	-0.301			2.6	234	08
27/12/23 21:20	0.154	6.401	6.554	-0.239			3.0	233	08
27/12/23 21:25	0.125	5.278	5.403	-0.239			3.3	234	05
27/12/23 21:30	0.027	4.186	4.212	-0.198			3.4	231	07
27/12/23 21:35	0.042	3.026	3.067	-0.108			3.6	227	09
27/12/23 21:40	-0.003	2.135	2.131	-0.104			4.2	226	07
27/12/23 21:45	0.000	1.846	1.847	-0.097			4.3	230	07
27/12/23 21:50	0.079	2.282	2.361	-0.164			4.0	228	07
27/12/23 21:55	0.126	2.513	2.640	-0.202			3.4	225	10
27/12/23 22:00	0.057	2.054	2.111	-0.134			3.5	226	08
27/12/23 22:05	0.040	1.672	1.712	-0.093			3.1	223	10
27/12/23 22:10	0.080	1.330	1.410	-0.235			3.3	225	09
27/12/23 22:15	0.045	1.161	1.206	-0.067			3.2	222	08
27/12/23 22:20	0.070	0.996	1.066	-0.119			3.5	227	06
27/12/23 22:25	0.075	0.929	1.004	-0.285			3.0	226	07
27/12/23 22:30	0.124	0.866	0.990	-0.099			3.2	231	07
27/12/23 22:35	0.045	0.857	0.902	-0.141			2.9	220	11
27/12/23 22:40	0.522	1.962	2.484	-0.104			2.1	214	13
27/12/23 22:45	3.004	9.234	12.239	-0.125			2.0	212	15
27/12/23 22:50	0.271	4.071	4.341	-0.249			2.0	203	18
27/12/23 22:55	0.134	1.126	1.260	-0.262			1.2	194	30
27/12/23 23:00	0.072	1.009	1.081	-0.272			1.2	206	23
27/12/23 23:05	-0.063	1.006	0.944	-0.231			1.2	192	23
27/12/23 23:10	-0.095	0.953	0.858	-0.273			1.4	207	21
27/12/23 23:15	-0.017	0.895	0.877	-0.218			1.8	216	17
27/12/23 23:20	0.051	0.887	0.938	-0.214			1.3	203	22
27/12/23 23:25	0.101	0.887	0.988	-0.233			1.6	212	18
27/12/23 23:30	0.068	1.141	1.209	-0.265			2.9	228	08
27/12/23 23:35	0.080	1.645	1.726	-0.268			2.8	230	07
27/12/23 23:40	0.054	1.867	1.921	-0.270			3.2	232	07
27/12/23 23:45	0.292	2.156	2.448	-0.273			2.9	231	06
27/12/23 23:50	0.569	3.685	4.254				2.7	229	08
27/12/23 23:55	1.105	3.982	5.087				2.1	234	08
28/12/23 00:00	0.918	3.781	4.698				2.8	233	06
28/12/23 00:05	0.873	4.345	5.217	-0.187			2.1	233	11
28/12/23 00:10	0.809	2.905	3.714	-0.104			2.6	230	09
28/12/23 00:15	0.520	1.430	1.950	-0.173			2.5	229	08
28/12/23 00:20	0.311	2.225	2.536	-0.087			2.0	224	15
28/12/23 00:25	0.215	2.823	3.038	0.089			2.9	229	11
28/12/23 00:30	0.208	3.978	4.186	0.146			2.7	229	06
28/12/23 00:35	0.248	5.223	5.471	0.175			2.6	232	09
28/12/23 00:40	0.317	5.997	6.314	0.206			3.0	231	08
28/12/23 00:45	0.350	6.364	6.714	0.167			2.4	230	10
28/12/23 00:50	0.356	6.220	6.576	0.075			3.0	228	09
28/12/23 00:55	0.365	6.473	6.838	0.182			3.0	233	06
28/12/23 01:00	0.268	6.669	6.937	0.184			2.9	232	08
28/12/23 01:05							3.2	234	08
28/12/23 01:10							3.1	230	07
28/12/23 01:15							1.8	231	11
28/12/23 01:20							3.2	230	06
28/12/23 01:25							2.6	233	07
28/12/23 01:30							1.3	235	21
28/12/23 01:35							2.4	234	08
28/12/23 01:40							1.3	230	20
28/12/23 01:45							1.4	234	16
28/12/23 01:50							1.7	233	16
28/12/23 01:55							1.8	233	16
28/12/23 02:00							2.4	232	12
28/12/23 02:05	0.127	5.269	5.395	0.068			2.4	235	08
28/12/23 02:10	0.194	4.838	5.032	0.021			1.5	230	18
28/12/23 02:15	0.128	4.472	4.600	0.041			1.6	232	12
28/12/23 02:20	0.151	4.032	4.183	0.092			2.0	232	11
28/12/23 02:25	0.139	3.531	3.670	0.106			1.4	230	17
28/12/23 02:30	0.079	2.955	3.035	0.132			2.6	228	09
28/12/23 02:35	-0.015	2.508	2.493	0.185			2.6	229	11
28/12/23 02:40	0.023	2.355	2.378	0.109			2.6	233	06
28/12/23 02:45	0.389	3.050	3.439	0.086			3.1	230	10
28/12/23 02:50	0.040	1.334	1.373	0.108			3.3	225	10
28/12/23 02:55	-0.119	1.549	1.430	0.110			3.2	226	07
28/12/23 03:00	-0.089	1.457	1.368	0.015			3.1	220	11
28/12/23 03:05	0.007	1.435	1.442	0.036			3.5	223	08
28/12/23 03:10	-0.024	1.400	1.376	0.069			2.9	218	11
28/12/23 03:15	0.028	1.436	1.464	-0.001			2.5	217	14
28/12/23 03:20	-0.024	1.472	1.448	0.026			2.3	212	15
28/12/23 03:25	-0.088	1.373	1.286	0.150			2.7	225	10
28/12/23 03:30	0.010	1.345	1.355	0.173			2.7	228	11
28/12/23 03:35	0.021	1.613	1.634	0.148			2.9	230	09
28/12/23 03:40	0.017	1.831	1.848	0.129			2.4	228	10
28/12/23 03:45	-0.027	1.636	1.609	0.095			3.2	231	07
28/12/23 03:50	-0.029	1.378	1.349	0.073			2.7	221	10
28/12/23 03:55	-0.047	1.152	1.105	0.043			2.5	221	10
28/12/23 04:00	-0.074	0.988	0.914	0.024			2.2	219	13
28/12/23 04:05	-0.134	0.923	0.788	0.053			1.8	215	17
28/12/23 04:10	-0.131	0.960	0.829	0.198			2.3	219	11
28/12/23 04:15	-0.097	0.960	0.863	0.283			1.3	201	20
28/12/23 04:20	-0.071	0.898	0.827	0.348			1.9	207	14
28/12/23 04:25	0.041	0.877	0.918	0.366			1.9	217	13
28/12/23 04:30	0.754	1.874	2.627	0.265			2.4	221	12
28/12/23 04:35	0.366	1.153	1.518	0.285			2.8	220	12
28/12/23 04:40	0.196	0.975	1.170	0.226			3.2	226	10
28/12/23 04:45	0.086	0.893	0.979	0.246			3.5	228	06
28/12/23 04:50	0.092	0.882	0.975	0.354			2.4	230	10
28/12/23 04:55	0.169	1.726	1.895	0.329			2.0	232	13
28/12/23 05:00	0.392	3.617	4.009	0.262			3.1	233	06
28/12/23 05:05	0.364	3.319	3.683	0.305			3.0	231	07
28/12/23 05:10	0.317	2.275	2.592	0.373			3.3	231	06
28/12/23 05:15	0.176	1.741	1.916	0.350			2.7	234	08
28/12/23 05:20	0.021	1.619	1.641	0.182			3.0	232	08
28/12/23 05:25	-0.053	1.553	1.500	0.268			2.8	229	08
28/12/23 05:30	-0.024	1.522	1.498	0.366			3.4	228	10
28/12/23 05:35	-0.010	1.542	1.532	0.281			2.4	232	10
28/12/23 05:40	0.003	1.367	1.370	0.328			2.5	235	08

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/12/23 05:45	-0.085	1.250	1.165	0.256			3.3	233	07
28/12/23 05:50	0.077	1.311	1.387	0.120			3.6	232	07
28/12/23 05:55	0.125	1.316	1.441	0.127			3.1	233	07
28/12/23 06:00	0.089	1.156	1.245	0.227			1.8	232	13
28/12/23 06:05	0.177	1.117	1.293	0.297			2.9	233	08
28/12/23 06:10	0.013	1.092	1.105	0.268			1.8	232	13
28/12/23 06:15	0.214	1.568	1.781	0.143			1.9	234	12
28/12/23 06:20	0.731	2.466	3.197	0.036			2.3	234	10
28/12/23 06:25	0.686	1.582	2.268	0.054			2.1	231	13
28/12/23 06:30	0.580	1.359	1.939	0.090			2.2	235	11
28/12/23 06:35	0.579	1.636	2.215	0.136			2.1	232	10
28/12/23 06:40	0.477	1.487	1.964	0.109			2.5	231	10
28/12/23 06:45	0.454	1.488	1.942	-0.040			2.0	234	10
28/12/23 06:50	0.404	1.464	1.868	-0.063			2.5	232	08
28/12/23 06:55	0.352	1.696	2.049	-0.098			3.3	228	08
28/12/23 07:00	0.347	1.518	1.866	-0.066			3.1	229	09
28/12/23 07:05	0.392	1.285	1.677	-0.015			3.2	228	08
28/12/23 07:10	0.380	1.118	1.498	0.021			2.1	233	15
28/12/23 07:15	0.186	0.968	1.154	0.019			2.1	234	13
28/12/23 07:20	0.296	0.907	1.203	-0.120			2.7	236	10
28/12/23 07:25	0.383	0.936	1.319	-0.119			2.5	234	10
28/12/23 07:30	0.505	0.921	1.426	-0.073			2.3	232	15
28/12/23 07:35	0.403	0.714	1.117	-0.198			1.5	233	16
28/12/23 07:40	0.295	0.539	0.835	-0.239			3.7	234	06
28/12/23 07:45	0.317	0.516	0.833	-0.102			2.9	235	09
28/12/23 07:50	0.296	0.541	0.837	0.031			2.3	232	15
28/12/23 07:55	0.310	0.536	0.846	-0.023			2.8	234	07
28/12/23 08:00	0.433	0.707	1.141	-0.037			3.5	230	08
28/12/23 08:05	0.590	0.976	1.566	-0.012			3.5	229	08
28/12/23 08:10	0.650	0.964	1.614	0.030			3.0	223	11
28/12/23 08:15	0.678	0.865	1.543	0.067			3.4	230	06
28/12/23 08:20	0.586	0.782	1.368	0.080			3.5	231	07
28/12/23 08:25	0.561	0.796	1.357	-0.020			3.2	219	11
28/12/23 08:30	0.515	0.839	1.354	-0.068			3.1	218	11
28/12/23 08:35	0.418	0.810	1.227	-0.006			3.4	220	11
28/12/23 08:40	0.619	0.919	1.538	-0.043			3.3	222	11
28/12/23 08:45	0.878	1.226	2.104	-0.036			3.1	216	13
28/12/23 08:50	1.089	1.328	2.418	-0.011			3.3	219	10
28/12/23 08:55	1.128	1.343	2.471	-0.012			3.0	214	12
28/12/23 09:00	1.061	1.375	2.436	-0.008			2.9	214	13
28/12/23 09:05	1.172	1.403	2.575	0.117			2.8	214	17
28/12/23 09:10	1.107	1.373	2.480	0.105			2.4	214	15
28/12/23 09:15	0.976	1.415	2.391	0.074			2.6	213	16
28/12/23 09:20	0.803	1.444	2.247	0.092			2.6	210	15
28/12/23 09:25	0.876	1.524	2.400	0.144			3.1	219	11
28/12/23 09:30	0.835	1.485	2.319	0.172			2.8	215	11
28/12/23 09:35	0.781	1.424	2.205	0.132			2.3	210	19
28/12/23 09:40	0.785	1.319	2.104	0.028			3.1	220	09
28/12/23 09:45	0.866	1.261	2.126	0.037			2.3	208	14
28/12/23 09:50	0.848	1.181	2.029	0.105			1.5	208	22
28/12/23 09:55	0.883	1.169	2.052	0.096			1.4	209	22
28/12/23 10:00	0.750	1.190	1.941	0.114			1.9	208	16
28/12/23 10:05	0.626	1.201	1.828	0.092			1.9	214	16
28/12/23 10:10	0.480	1.275	1.755	0.178			2.3	219	13
28/12/23 10:15	0.470	1.222	1.691	0.195			2.8	221	11
28/12/23 10:20	0.559	1.233	1.793	0.312			3.9	226	08
28/12/23 10:25	0.501	1.397	1.899	0.344			3.9	223	09
28/12/23 10:30	0.332	1.361	1.693	0.248			3.4	225	10
28/12/23 10:35	0.326	1.274	1.600	0.247			3.2	231	08
28/12/23 10:40	0.331	1.171	1.502	0.326			2.7	219	14
28/12/23 10:45	0.470	1.182	1.653	0.301			2.6	224	11
28/12/23 10:50	0.546	1.065	1.611	0.270			1.8	218	18
28/12/23 10:55	0.444	1.061	1.505	0.136			1.4	207	21
28/12/23 11:00	0.481	1.058	1.539	0.001			1.7	205	19
28/12/23 11:05	0.562	1.033	1.595	-0.084			1.3	203	22
28/12/23 11:10	0.535	1.073	1.607	0.023			1.4	212	23
28/12/23 11:15	0.520	1.130	1.650	0.023			0.9	197	32
28/12/23 11:20	0.503	1.102	1.606	0.191			1.4	189	19
28/12/23 11:25	0.513	1.117	1.630	0.231			1.1	204	23
28/12/23 11:30	0.563	1.120	1.683	0.144			1.8	213	14
28/12/23 11:35	0.516	1.180	1.695	0.091			1.4	197	24
28/12/23 11:40	0.617	1.248	1.865	0.010			2.1	221	15
28/12/23 11:45	0.742	1.350	2.091	0.045			3.4	224	07
28/12/23 11:50	0.820	1.623	2.443	0.195			3.3	220	07
28/12/23 11:55	0.713	1.481	2.194	0.175			2.4	220	11
28/12/23 12:00	0.700	1.286	1.987	0.145			2.7	217	13
28/12/23 12:05	0.636	1.156	1.793	0.155			2.2	212	14
28/12/23 12:10	0.581	1.102	1.683	0.082			2.1	216	15
28/12/23 12:15	0.494	1.189	1.683	0.171			1.5	203	18
28/12/23 12:20	0.460	1.229	1.689	0.230			1.4	213	23
28/12/23 12:25	0.410	1.298	1.708	0.172			1.2	205	27
28/12/23 12:30	0.353	1.266	1.619	0.259			1.3	205	24
28/12/23 12:35	0.391	1.232	1.623	0.311			1.2	197	30
28/12/23 12:40	0.183	1.157	1.340	0.276			1.3	203	35
28/12/23 12:45	0.188	1.024	1.212	0.210			1.6	200	29
28/12/23 12:50	0.173	0.881	1.054	0.155			1.3	192	24
28/12/23 12:55	0.159	0.885	1.044	0.122			1.5	198	23
28/12/23 13:00	0.228	0.866	1.095	0.146			1.3	198	24
28/12/23 13:05	0.307	0.928	1.236	0.042			1.5	199	24
28/12/23 13:10	0.415	0.850	1.265	0.073			1.4	197	26
28/12/23 13:15	0.360	0.789	1.148	0.174			1.4	183	37
28/12/23 13:20	1.716	3.006	4.721	0.170			1.3	194	37
28/12/23 13:25	3.919	1.953	5.873	0.243			1.3	196	28
28/12/23 13:30	1.328	0.873	2.201	0.175			1.8	199	22
28/12/23 13:35	0.613	1.126	1.739	0.098			1.3	186	34
28/12/23 13:40	0.563	0.887	1.450	-0.010			1.6	195	22
28/12/23 13:45	0.428	0.765	1.193	0.060			1.6	196	26
28/12/23 13:50	0.267	0.706	0.973	0.142			1.8	193	20
28/12/23 13:55	0.315	0.698	1.013	0.186			1.7	197	31
28/12/23 14:00	0.315	0.730	1.045	0.103			2.1	211	21
28/12/23 14:05	0.271	0.745	1.016	0.032			2.6	208	15
28/12/23 14:10	0.304	0.707	1.011	0.080			2.3	210	21
28/12/23 14:15	0.220	0.630	0.850	0.088			3.2	211	12
28/12/23 14:20	0.104	0.592	0.696	0.150			3.2	215	13
28/12/23 14:25	0.112	0.506	0.618	0.318			3.4	207	14
28/12/23 14:30	0.014	0.456	0.469	0.344			3.1	209	14

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/12/23 14:35	0.014	0.487	0.501	0.178			2.9	209	16
28/12/23 14:40	0.140	0.396	0.536	-0.024			3.4	211	13
28/12/23 14:45	0.220	0.463	0.683	-0.015			3.0	209	14
28/12/23 14:50	0.252	0.536	0.788	-0.074			1.6	207	32
28/12/23 14:55	0.243	0.622	0.864	-0.062			2.3	195	23
28/12/23 15:00	0.256	0.649	0.905	0.056			2.5	214	19
28/12/23 15:05	0.218	0.626	0.844	0.083			1.7	197	31
28/12/23 15:10	0.205	0.586	0.791	0.054			1.9	204	24
28/12/23 15:15	0.176	0.590	0.765	0.146			1.9	209	26
28/12/23 15:20	0.252	0.623	0.875	0.308			1.5	204	33
28/12/23 15:25	0.297	0.781	1.078	0.385			3.4	212	15
28/12/23 15:30	0.249	0.831	1.080	0.306			3.3	212	13
28/12/23 15:35	0.427	1.156	1.583	0.247			2.3	211	18
28/12/23 15:40	0.521	1.309	1.830	0.247			2.9	209	17
28/12/23 15:45	0.422	1.206	1.628	0.146			3.4	215	13
28/12/23 15:50	0.365	1.041	1.406	0.220			3.2	211	16
28/12/23 15:55	0.349	0.883	1.232	0.077			3.4	213	15
28/12/23 16:00	0.271	0.711	0.982	0.216			2.7	210	15
28/12/23 16:05	0.163	0.660	0.823	0.304			3.3	215	12
28/12/23 16:10	0.102	0.641	0.743	0.185			3.9	217	13
28/12/23 16:15	0.068	0.650	0.718	0.267			3.2	211	14
28/12/23 16:20	0.134	0.599	0.733	0.249			2.9	214	15
28/12/23 16:25	0.182	0.534	0.715	0.370			3.6	215	13
28/12/23 16:30	0.349	0.525	0.874	0.236			2.7	215	14
28/12/23 16:35	0.402	0.550	0.951	0.251			3.4	209	13
28/12/23 16:40	0.440	0.687	1.128	0.230			3.1	206	18
28/12/23 16:45	12.998	2.101	15.099	0.286			3.1	213	15
28/12/23 16:50	15.795	8.958	24.753	0.373			3.7	217	14
28/12/23 16:55	8.681	5.512	14.193	0.404			3.6	217	14
28/12/23 17:00	7.751	2.699	10.450	0.320			3.3	213	16
28/12/23 17:05	5.601	1.719	7.320	0.165			3.0	211	18
28/12/23 17:10	5.708	4.878	10.586	0.215			3.1	213	16
28/12/23 17:15	7.100	6.777	13.877	0.217			2.3	205	20
28/12/23 17:20	4.792	3.120	7.912	0.164			2.9	211	16
28/12/23 17:25	4.633	4.365	8.998	0.173			3.6	218	11
28/12/23 17:30	2.828	2.642	5.470	0.125			3.2	214	13
28/12/23 17:35	3.079	5.002	8.082	0.169			3.2	210	14
28/12/23 17:40	4.222	4.241	8.463	0.142			3.1	213	18
28/12/23 17:45	4.560	6.067	10.627	0.144			2.6	207	16
28/12/23 17:50	5.675	7.437	13.112	0.189			2.2	205	21
28/12/23 17:55	3.340	4.932	8.272	0.230			1.6	200	29
28/12/23 18:00	1.840	2.448	4.288	0.177			2.2	209	19
28/12/23 18:05	1.362	2.611	3.973	0.122			1.6	201	24
28/12/23 18:10	1.708	3.106	4.814	0.153			2.3	209	20
28/12/23 18:15	2.461	4.471	6.932	0.108			2.4	205	18
28/12/23 18:20	2.859	4.303	7.162	0.106			2.5	215	14
28/12/23 18:25	3.553	6.171	9.724	0.078			2.1	209	18
28/12/23 18:30	3.541	5.088	8.628	0.017			2.0	209	18
28/12/23 18:35	3.799	7.913	11.711	0.037			1.9	200	22
28/12/23 18:40	3.118	0.631	3.749	0.185			2.4	210	17
28/12/23 18:45	3.594	2.384	5.977	0.313			2.4	211	17
28/12/23 18:50	4.487	5.640	10.127	0.292			2.7	213	17
28/12/23 18:55	3.868	3.061	6.929	0.246			2.7	207	19
28/12/23 19:00	2.226	3.671	5.897	0.221			2.1	211	19
28/12/23 19:05	4.266	4.366	8.631	0.205			2.7	210	18
28/12/23 19:10	5.263	7.949	13.213	0.126			2.8	212	13
28/12/23 19:15	4.932	4.508	9.440	0.073			2.6	209	18
28/12/23 19:20	5.909	7.349	13.258	0.000			2.8	207	16
28/12/23 19:25	4.449	4.029	8.479	0.041			2.8	210	15
28/12/23 19:30	2.945	2.575	5.520	0.101			2.5	213	16
28/12/23 19:35	2.638	2.694	5.332	0.048			3.0	207	16
28/12/23 19:40	2.795	3.431	6.227	0.006			3.1	212	17
28/12/23 19:45	3.059	3.628	6.687	-0.010			2.8	212	15
28/12/23 19:50	3.444	4.314	7.759	-0.039			2.6	211	15
28/12/23 19:55	3.251	1.962	5.212	-0.018			3.3	215	14
28/12/23 20:00	0.478	0.942	1.420	0.045			3.2	216	15
28/12/23 20:05	0.824	1.652	2.476	0.127			3.5	220	15
28/12/23 20:10	0.643	0.555	1.198	0.118			3.8	219	12
28/12/23 20:15	0.842	1.021	1.863	0.099			4.2	221	10
28/12/23 20:20	0.750		0.682	0.101			4.3	227	08
28/12/23 20:25	0.656		0.529	0.064			4.1	221	12
28/12/23 20:30	0.550	0.213	0.763	0.154			4.2	226	10
28/12/23 20:35	0.264	0.668	0.932	0.165			4.2	226	10
28/12/23 20:40	0.073	0.847	0.920	0.133			4.2	222	09
28/12/23 20:45	0.040	1.041	1.081	0.137			4.4	225	12
28/12/23 20:50	0.591	1.339	1.930	0.168			5.0	231	08
28/12/23 20:55	0.269	0.384	0.653	0.178			4.8	229	07
28/12/23 21:00	0.138	0.606	0.744	0.224			3.8	231	10
28/12/23 21:05	0.215	1.010	1.224	0.216			3.8	226	11
28/12/23 21:10	0.380	1.032	1.412	0.203			3.4	228	10
28/12/23 21:15	0.586	1.215	1.800	0.078			4.4	231	07
28/12/23 21:20	0.525	1.078	1.603	0.081			3.0	218	12
28/12/23 21:25	0.414	1.014	1.428	0.085			3.9	226	09
28/12/23 21:30	0.274	1.021	1.295	0.155			3.2	231	09
28/12/23 21:35	0.250	1.338	1.587	0.091			3.8	220	12
28/12/23 21:40	0.195	1.207	1.402	0.132			4.2	225	09
28/12/23 21:45	0.141	1.022	1.164	0.143			3.3	229	13
28/12/23 21:50	0.111	1.001	1.111	0.213			3.6	232	11
28/12/23 21:55	0.083	0.971	1.053	0.286			4.4	224	11
28/12/23 22:00	0.085	1.004	1.089	0.257			3.9	221	12
28/12/23 22:05	0.118	1.116	1.234	0.126			4.2	220	12
28/12/23 22:10	0.127	1.052	1.179	0.070			3.6	217	12
28/12/23 22:15	0.177	1.067	1.244	0.047			4.4	221	11
28/12/23 22:20	0.287	0.941	1.228	0.072			4.4	221	09
28/12/23 22:25	0.217	0.923	1.140	0.130			5.0	232	06
28/12/23 22:30	0.143	0.894	1.037	0.184			3.9	226	08
28/12/23 22:35	0.207	1.100	1.307	0.163			3.8	221	11
28/12/23 22:40	0.306	1.147	1.453	0.075			3.7	229	11
28/12/23 22:45	0.362	1.456	1.818	0.030			3.7	226	12
28/12/23 22:50	0.276	1.401	1.677	0.053			4.0	224	09
28/12/23 22:55	0.183	1.162	1.345	-0.007			3.6	227	11
28/12/23 23:00	-0.009	1.064	1.055	-0.007			3.7	229	07
28/12/23 23:05	0.179	1.218	1.397	0.024			3.4	232	08
28/12/23 23:10	0.235	1.572	1.807	0.055			3.4	231	08
28/12/23 23:15	0.210	1.767	1.977	0.082			4.1	230	08
28/12/23 23:20	0.192	1.486	1.678	0.035			4.1	230	07

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
28/12/23 23:25	0.181	1.211	1.392	0.093			4.0	225	11
28/12/23 23:30	0.163	0.982	1.145	0.105			3.7	222	14
28/12/23 23:35	0.074	0.800	0.873	0.071			4.0	225	10
28/12/23 23:40	0.006	0.735	0.741	0.038			3.9	219	11
28/12/23 23:45	0.028	0.695	0.724	0.096			3.0	213	14
28/12/23 23:50	-0.027	0.752	0.724				3.3	215	13
28/12/23 23:55	0.109	0.833	0.942				4.1	222	13
29/12/23 00:00	0.060	0.805	0.865				3.0	211	13
29/12/23 00:05	0.082	0.666	0.748	0.138			3.3	221	15
29/12/23 00:10	0.135	0.700	0.835	0.139			4.5	216	13
29/12/23 00:15	0.140	0.759	0.899	0.182			3.9	218	11
29/12/23 00:20	0.173	0.698	0.871	0.184			4.5	221	13
29/12/23 00:25	0.118	0.634	0.752	0.232			3.9	214	13
29/12/23 00:30	0.003	0.578	0.581	0.215			3.5	211	13
29/12/23 00:35	-0.058	0.480	0.423	0.188			3.2	215	15
29/12/23 00:40	0.005	0.475	0.480	0.145			3.4	211	13
29/12/23 00:45	0.149	0.441	0.590	0.225			3.4	216	12
29/12/23 00:50	0.149	0.406	0.555	0.273			3.8	213	13
29/12/23 00:55	0.077	0.402	0.479	0.178			3.3	213	14
29/12/23 01:00	0.037	0.429	0.466	0.141			2.7	205	17
29/12/23 01:05							3.2	210	12
29/12/23 01:10							2.8	209	14
29/12/23 01:15							2.4	204	15
29/12/23 01:20							2.6	210	14
29/12/23 01:25							2.5	211	13
29/12/23 01:30							3.0	208	11
29/12/23 01:35							2.6	209	14
29/12/23 01:40							2.5	207	15
29/12/23 01:45							2.6	211	15
29/12/23 01:50							3.1	212	12
29/12/23 01:55							2.7	210	13
29/12/23 02:00							2.5	213	13
29/12/23 02:05	0.161	0.334	0.495	0.256			2.3	208	15
29/12/23 02:10	0.140	0.398	0.538	0.235			2.2	214	13
29/12/23 02:15	0.059	0.543	0.602	0.302			2.6	210	14
29/12/23 02:20	-0.008	0.527	0.520	0.314			2.8	212	12
29/12/23 02:25	-0.021	0.464	0.443	0.311			3.2	209	16
29/12/23 02:30	0.008	0.412	0.420	0.291			1.8	204	22
29/12/23 02:35	0.007	0.429	0.436	0.285			2.2	210	16
29/12/23 02:40	0.002	0.399	0.402	0.203			2.7	203	14
29/12/23 02:45	-0.054	0.414	0.360	0.179			2.1	213	15
29/12/23 02:50	-0.022	0.421	0.399	0.150			2.1	208	12
29/12/23 02:55	0.043	0.410	0.453	0.107			2.2	204	15
29/12/23 03:00	0.093	0.374	0.467	0.024			2.4	206	12
29/12/23 03:05	0.591	1.158	1.748	-0.034			2.1	206	15
29/12/23 03:10	0.907	2.151	3.058	0.042			2.2	208	13
29/12/23 03:15	0.999	3.820	4.819	0.145			2.2	205	14
29/12/23 03:20	1.011	4.512	5.523	0.144			2.0	211	16
29/12/23 03:25	0.808	3.089	3.897	0.191			1.8	204	19
29/12/23 03:30	0.637	2.169	2.806	0.272			1.9	205	14
29/12/23 03:35	0.473	1.816	2.289	0.341			2.0	218	15
29/12/23 03:40	0.416	2.024	2.440	0.305			1.1	202	29
29/12/23 03:45	0.300	1.852	2.152	0.318			2.3	210	13
29/12/23 03:50	0.132	1.526	1.658	0.281			3.0	215	11
29/12/23 03:55	0.125	1.207	1.332	0.196			2.8	216	13
29/12/23 04:00	0.093	0.959	1.052	0.164			2.4	204	15
29/12/23 04:05	0.025	0.821	0.846	0.141			1.3	200	22
29/12/23 04:10	0.018	0.913	0.931	0.115			1.6	207	19
29/12/23 04:15	0.088	1.290	1.379	0.150			1.9	207	19
29/12/23 04:20	0.195	1.544	1.739	0.215			2.0	212	14
29/12/23 04:25	0.188	2.111	2.299	0.201			2.8	209	14
29/12/23 04:30	0.252	2.637	2.889	0.193			2.1	202	20
29/12/23 04:35	0.681	5.566	6.247	0.178			2.5	206	11
29/12/23 04:40	0.396	5.314	5.710	0.100			2.1	209	14
29/12/23 04:45	0.194	2.078	2.272	0.103			2.1	215	19
29/12/23 04:50	32.640	3.586	36.226	0.229			2.2	207	13
29/12/23 04:55	189.592	9.499	199.091	0.428			2.1	225	16
29/12/23 05:00	2.872	6.317	9.189	0.560			1.9	215	13
29/12/23 05:05	3.509	4.736	8.244	0.519			1.9	216	20
29/12/23 05:10	1.559	2.613	4.171	0.436			2.3	205	17
29/12/23 05:15	1.129	1.401	2.530	0.404			1.9	210	17
29/12/23 05:20	1.170	3.002	4.172	0.352			1.7	206	21
29/12/23 05:25	17.170	5.967	23.137	0.387			1.5	197	34
29/12/23 05:30	0.539	0.878	1.417	0.348			1.7	179	31
29/12/23 05:35	0.260	0.782	1.042	0.338			1.6	162	33
29/12/23 05:40	1.805	1.999	3.804	0.361			0.8	157	51
29/12/23 05:45	1.637	1.767	3.404	0.301			1.1	163	37
29/12/23 05:50	0.870	2.079	2.949	0.261			1.0	140	35
29/12/23 05:55	2.607	4.289	6.896	0.221			1.6	119	17
29/12/23 06:00	2.017	3.266	5.282	0.215			0.6	161	44
29/12/23 06:05	0.594	3.144	3.737	0.245			1.2	171	38
29/12/23 06:10	0.641	2.733	3.374	0.205			0.9	185	42
29/12/23 06:15	22.598	13.959	36.557	0.209			0.9	198	38
29/12/23 06:20	3.133	2.043	5.176	0.198			1.0	188	37
29/12/23 06:25	1.096	1.970	3.066	0.237			1.2	158	32
29/12/23 06:30	0.317	1.253	1.570	0.237			1.1	156	37
29/12/23 06:35	0.918	1.436	2.354	0.224			1.3	172	36
29/12/23 06:40	1.857	9.523	11.381	0.183			1.3	203	31
29/12/23 06:45	1.885	1.265	3.150	0.138			1.5	202	26
29/12/23 06:50	6.147	3.875	10.022	0.099			2.3	208	15
29/12/23 06:55	14.355	11.179	25.534	0.148			1.6	206	19
29/12/23 07:00	12.718	5.544	18.262	0.204			2.2	206	16
29/12/23 07:05	5.420	5.961	11.381	0.189			1.8	208	19
29/12/23 07:10	5.443	7.100	12.543	0.193			1.9	206	19
29/12/23 07:15	4.335	5.356	9.691	0.172			1.9	210	21
29/12/23 07:20	12.541	8.169	20.710	0.127			1.8	211	17
29/12/23 07:25	6.320	6.356	12.676	0.122			2.4	214	16
29/12/23 07:30	3.543	2.650	6.193	0.083			2.1	207	21
29/12/23 07:35	10.639	13.870	24.510	0.126			1.9	213	17
29/12/23 07:40	15.698	12.027	27.725	0.123			1.7	213	20
29/12/23 07:45	12.512	7.285	19.796	0.192			2.3	216	13
29/12/23 07:50	4.672	4.258	8.930	0.159			2.0	207	17
29/12/23 07:55	5.527	5.404	10.931	0.239			2.4	211	18
29/12/23 08:00	19.758	14.165	33.922	0.281			2.3	221	15
29/12/23 08:05	22.410	12.245	34.655	0.333			1.9	219	18
29/12/23 08:10	35.243	11.079	46.322	0.397			1.9	218	15

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/12/23 08:15	9.691	4.714	14.405	0.431			2.2	212	14
29/12/23 08:20	7.005	5.191	12.196	0.475			2.5	211	13
29/12/23 08:25	4.055	2.677	6.732	0.439			2.0	205	22
29/12/23 08:30	4.314	4.968	9.282	0.425			2.2	209	19
29/12/23 08:35	16.560	10.174	26.734	0.465			1.6	218	18
29/12/23 08:40	20.868	10.549	31.416	0.600			1.6	213	21
29/12/23 08:45	35.240	12.777	48.017	0.607			2.3	218	14
29/12/23 08:50	35.736	15.618	51.354	0.647			2.1	214	20
29/12/23 08:55	27.530	17.389	44.919	0.647			2.1	218	13
29/12/23 09:00	17.612	7.981	25.593	0.636			2.2	219	16
29/12/23 09:05	12.895	8.302	21.196	0.614			1.6	210	22
29/12/23 09:10	19.765	9.389	29.154	0.558			1.7	211	20
29/12/23 09:15	26.200	9.661	35.861	0.516			1.7	216	21
29/12/23 09:20	18.724	10.969	29.693	0.445			1.8	215	19
29/12/23 09:25	19.488	11.801	31.290	0.478			1.9	215	18
29/12/23 09:30	20.459	12.360	32.819	0.578			2.2	219	15
29/12/23 09:35	21.435	14.325	35.761	0.559			2.2	219	16
29/12/23 09:40	22.583	15.765	38.348	0.584			2.0	223	15
29/12/23 09:45	9.471	7.997	17.468	0.555			1.9	224	15
29/12/23 09:50	11.358	10.266	21.625	0.555			2.1	228	13
29/12/23 09:55	12.136	11.554	23.690	0.471			1.9	222	20
29/12/23 10:00	15.164	10.342	25.506	0.370			1.7	212	20
29/12/23 10:05	14.567	6.815	21.381	0.416			1.9	223	16
29/12/23 10:10	15.852	10.421	26.273	0.412			2.2	215	20
29/12/23 10:15	25.451	13.683	39.135	0.424			2.1	216	13
29/12/23 10:20	19.905	14.543	34.448	0.424			2.1	224	15
29/12/23 10:25	61.667	23.392	85.059	0.564			2.0	218	15
29/12/23 10:30	24.579	10.787	35.366	0.595			1.6	226	16
29/12/23 10:35	49.239	13.525	62.764	0.583			1.7	217	19
29/12/23 10:40	46.807	15.871	62.678	0.756			1.9	213	21
29/12/23 10:45	20.699	8.234	28.932	0.765			1.9	222	23
29/12/23 10:50	7.294	4.230	11.524	0.730			1.9	228	14
29/12/23 10:55	2.660	1.566	4.226	0.657			2.4	216	18
29/12/23 11:00	11.781	9.802	21.583	0.576			2.2	226	11
29/12/23 11:05	6.303	3.235	9.539	0.539			2.1	223	14
29/12/23 11:10	0.570	1.551	2.121	0.533			1.9	211	21
29/12/23 11:15	0.584	1.993	2.577	0.534			2.4	214	13
29/12/23 11:20	0.512	1.814	2.326	0.599			2.1	214	18
29/12/23 11:25	0.514	1.566	2.080	0.520			2.1	218	17
29/12/23 11:30	0.537	1.481	2.017	0.500			2.1	219	14
29/12/23 11:35	0.782	1.540	2.322	0.481			1.8	209	23
29/12/23 11:40	1.180	1.780	2.960	0.437			1.8	211	19
29/12/23 11:45	2.003	1.873	3.876	0.412			1.9	213	23
29/12/23 11:50	0.526	1.288	1.814	0.400			1.8	219	22
29/12/23 11:55	0.711	0.788	1.499	0.349			1.7	210	20
29/12/23 12:00	0.827	0.870	1.696	0.311			1.7	212	19
29/12/23 12:05	0.746	0.890	1.636	0.361			1.8	213	25
29/12/23 12:10	0.599	0.953	1.552	0.384			1.8	223	20
29/12/23 12:15	1.202	2.335	3.537	0.363			1.7	212	22
29/12/23 12:20	3.575	10.479	14.054	0.403			2.4	216	14
29/12/23 12:25	3.658	2.038	5.696	0.439			1.6	222	19
29/12/23 12:30	2.033	3.215	5.249	0.417			2.0	221	17
29/12/23 12:35	6.864	0.698	7.562	0.511			2.1	214	19
29/12/23 12:40	4.436	2.457	6.893	0.466			2.0	223	15
29/12/23 12:45	6.047	4.223	10.270	0.397			2.2	219	15
29/12/23 12:50	2.310	2.362	4.672	0.444			2.0	217	23
29/12/23 12:55	1.048	1.268	2.316	0.485			2.4	220	15
29/12/23 13:00	0.607	1.558	2.165	0.449			2.1	221	16
29/12/23 13:05	0.683	1.932	2.615	0.437			2.0	219	18
29/12/23 13:10	1.665	3.030	4.694	0.401			1.7	211	19
29/12/23 13:15	1.805	2.786	4.591	0.330			1.7	210	22
29/12/23 13:20	1.445	1.749	3.194	0.416			1.9	205	24
29/12/23 13:25	1.146	1.526	2.672	0.369			2.0	206	21
29/12/23 13:30	0.922	1.597	2.519	0.354			1.7	203	22
29/12/23 13:35	0.853	1.649	2.502	0.357			1.4	206	29
29/12/23 13:40	0.832	1.626	2.458	0.374			1.8	206	20
29/12/23 13:45	0.782	1.664	2.446	0.307			1.6	210	24
29/12/23 13:50	0.845	1.668	2.512	0.258			1.2	199	27
29/12/23 13:55	0.835	1.547	2.381	0.233			1.7	204	26
29/12/23 14:00	0.854	1.609	2.463	0.260			1.4	195	22
29/12/23 14:05	0.697	1.500	2.197	0.295			1.5	206	29
29/12/23 14:10	0.601	1.457	2.058	0.340			1.4	193	24
29/12/23 14:15	0.668	1.484	2.152	0.326			1.6	205	26
29/12/23 14:20	0.887	1.523	2.410	0.387			1.1	197	37
29/12/23 14:25	0.924	1.418	2.342	0.393			1.4	202	29
29/12/23 14:30	0.840	1.318	2.158	0.393			1.5	195	29
29/12/23 14:35	0.612	1.193	1.805	0.387			1.2	190	31
29/12/23 14:40	0.898	1.334	2.232	0.332			1.1	191	32
29/12/23 14:45	1.038	1.281	2.319	0.358			1.5	194	25
29/12/23 14:50	0.832	1.212	2.044	0.336			1.5	205	29
29/12/23 14:55	0.833	1.322	2.155	0.325			1.5	210	26
29/12/23 15:00	0.789	1.441	2.230	0.314			1.7	211	20
29/12/23 15:05	0.722	1.440	2.162	0.380			1.8	217	17
29/12/23 15:10	0.823	1.481	2.304	0.402			1.6	207	27
29/12/23 15:15	0.778	1.486	2.264	0.383			1.8	210	23
29/12/23 15:20	0.839	1.527	2.366	0.442			1.9	204	24
29/12/23 15:25	0.966	1.522	2.489	0.477			1.8	213	20
29/12/23 15:30	0.920	1.594	2.514	0.491			1.5	208	24
29/12/23 15:35	0.735	1.384	2.118	0.434			1.7	215	25
29/12/23 15:40	0.715	1.402	2.116	0.497			1.8	217	22
29/12/23 15:45	0.680	1.564	2.244	0.402			1.9	214	17
29/12/23 15:50	0.810	1.627	2.436	0.358			2.2	212	17
29/12/23 15:55	0.844	1.837	2.681	0.443			2.3	214	17
29/12/23 16:00	0.937	1.836	2.773	0.410			2.0	216	18
29/12/23 16:05	1.044	1.725	2.769	0.315			1.7	212	23
29/12/23 16:10	0.935	1.588	2.523	0.274			2.5	216	17
29/12/23 16:15	0.833	1.448	2.281	0.265			2.2	215	17
29/12/23 16:20	0.662	1.455	2.117	0.319			2.0	209	19
29/12/23 16:25	0.556	1.360	1.916	0.327			2.7	215	16
29/12/23 16:30	1.021	1.815	2.836	0.337			2.7	213	15
29/12/23 16:35	1.336	2.314	3.650	0.370			2.9	209	16
29/12/23 16:40	0.975	1.904	2.879	0.425			3.0	211	14
29/12/23 16:45	0.802	1.503	2.305	0.489			2.8	214	14
29/12/23 16:50	0.677	1.245	1.922	0.442			3.1	207	16
29/12/23 16:55	0.896	1.184	2.080	0.383			3.4	211	12
29/12/23 17:00	1.688	1.765	3.453	0.382			2.6	210	17

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/12/23 17:05	60.197	18.575	78.772	0.431			2.7	209	14
29/12/23 17:10	16.117	8.968	25.085	0.435			3.2	212	17
29/12/23 17:15	1.165	1.752	2.917	0.531			4.2	217	09
29/12/23 17:20	0.472	1.123	1.595	0.548			3.6	221	12
29/12/23 17:25	0.422	1.120	1.542	0.499			3.7	215	12
29/12/23 17:30	0.592	1.287	1.879	0.501			2.4	212	21
29/12/23 17:35	0.725	1.410	2.135	0.476			2.9	211	15
29/12/23 17:40	0.868	1.515	2.382	0.537			3.1	212	17
29/12/23 17:45	0.873	1.631	2.505	0.565			2.5	212	16
29/12/23 17:50	0.719	1.564	2.284	0.570			3.1	210	13
29/12/23 17:55	0.807	1.610	2.418	0.491			2.8	211	15
29/12/23 18:00	0.889	1.696	2.585	0.506			2.3	206	17
29/12/23 18:05	0.710	1.638	2.349	0.483			2.5	208	17
29/12/23 18:10	0.567	1.576	2.143	0.449			1.9	211	22
29/12/23 18:15	0.374	1.525	1.899	0.393			2.3	206	15
29/12/23 18:20	0.404	1.532	1.936	0.385			2.6	208	17
29/12/23 18:25	0.435	1.521	1.956	0.385			2.5	209	15
29/12/23 18:30	0.358	1.303	1.662	0.407			2.5	210	18
29/12/23 18:35	0.291	1.163	1.454	0.386			3.2	216	14
29/12/23 18:40	0.210	1.091	1.302	0.337			3.1	212	16
29/12/23 18:45	0.250	1.033	1.282	0.258			2.4	208	21
29/12/23 18:50	0.319	0.913	1.232	0.250			3.1	212	14
29/12/23 18:55	0.419	0.871	1.291	0.266			3.0	213	14
29/12/23 19:00	0.379	0.889	1.268	0.275			3.4	212	16
29/12/23 19:05	0.309	0.925	1.234	0.260			3.2	204	15
29/12/23 19:10	0.581	1.652	2.233	0.292			3.0	209	15
29/12/23 19:15	0.638	2.199	2.837	0.234			2.7	205	16
29/12/23 19:20	0.484	1.454	1.938	0.211			2.9	205	18
29/12/23 19:25	0.447	1.381	1.828	0.155			2.5	208	21
29/12/23 19:30	0.395	1.239	1.634	0.182			3.0	210	15
29/12/23 19:35	0.320	1.075	1.395	0.230			2.8	208	17
29/12/23 19:40	0.221	0.883	1.104	0.260			3.1	215	11
29/12/23 19:45	0.169	0.760	0.929	0.236			4.1	221	10
29/12/23 19:50	-0.020	0.741	0.721	0.154			3.2	216	13
29/12/23 19:55	-0.221	0.823	0.602	0.136			2.6	207	20
29/12/23 20:00	-0.205	0.902	0.697	0.185			2.4	206	16
29/12/23 20:05	-0.218	0.915	0.697	0.217			2.2	206	23
29/12/23 20:10	-0.162	0.868	0.706	0.280			2.4	207	15
29/12/23 20:15	-0.032	0.776	0.744	0.355			1.8	210	14
29/12/23 20:20	0.049	0.769	0.818	0.313			2.1	210	19
29/12/23 20:25	0.064	0.815	0.879	0.230			3.3	219	12
29/12/23 20:30	-0.013	0.971	0.958	0.251			2.4	212	14
29/12/23 20:35	0.066	1.162	1.228	0.277			2.6	212	18
29/12/23 20:40	0.181	1.689	1.871	0.289			3.4	222	12
29/12/23 20:45	0.142	2.227	2.369	0.297			3.1	221	13
29/12/23 20:50	0.109	1.971	2.079	0.258			3.9	223	10
29/12/23 20:55	0.082	1.611	1.692	0.254			3.7	229	07
29/12/23 21:00	0.004	1.351	1.355	0.310			3.5	220	12
29/12/23 21:05	-0.044	1.056	1.012	0.331			3.9	227	09
29/12/23 21:10	0.024	0.918	0.942	0.293			2.9	231	07
29/12/23 21:15	0.042	0.833	0.876	0.235			3.6	226	09
29/12/23 21:20	-0.031	0.739	0.707	0.180			3.7	222	09
29/12/23 21:25	-0.003	0.696	0.694	0.168			1.9	234	20
29/12/23 21:30	-0.133	0.636	0.503	0.188			1.7	236	23
29/12/23 21:35	-0.194	0.632	0.438	0.101			2.3	232	22
29/12/23 21:40	-0.160	1.001	0.840	0.118			2.6	233	14
29/12/23 21:45	0.204	1.328	1.532	0.166			2.9	242	13
29/12/23 21:50	0.040	0.800	0.841	0.163			3.5	248	13
29/12/23 21:55	-0.101	0.681	0.580	0.174			4.1	253	12
29/12/23 22:00	0.092	0.819	0.911	0.186			4.2	254	11
29/12/23 22:05	0.193	0.777	0.971	0.228			3.4	251	13
29/12/23 22:10	0.295	1.137	1.433	0.285			3.5	257	12
29/12/23 22:15	0.309	1.788	2.097	0.435			4.7	259	11
29/12/23 22:20	0.469	2.208	2.677	0.577			4.0	256	11
29/12/23 22:25	0.669	2.782	3.451	0.643			3.0	255	13
29/12/23 22:30	0.846	3.323	4.169	0.802			4.0	260	13
29/12/23 22:35	0.924	3.629	4.552	0.880			3.7	256	13
29/12/23 22:40	0.994	3.985	4.979	0.949			3.2	252	14
29/12/23 22:45	0.934	4.074	5.009	1.013			3.6	253	15
29/12/23 22:50	0.797	3.789	4.586	1.092			3.2	252	14
29/12/23 22:55	0.835	3.754	4.589	1.094			3.0	258	14
29/12/23 23:00	1.125	4.308	5.433	1.069			4.1	263	12
29/12/23 23:05	1.630	5.035	6.665	1.185			3.8	261	13
29/12/23 23:10	1.803	5.331	7.134	1.344			3.7	261	12
29/12/23 23:15	2.204	6.373	8.577	1.449			3.3	261	11
29/12/23 23:20	2.332	6.052	8.384	1.579			3.0	257	16
29/12/23 23:25	2.266	6.338	8.604	1.566			2.0	246	18
29/12/23 23:30	2.273	6.946	9.219	1.476			2.9	262	14
29/12/23 23:35	2.059	6.018	8.078	1.399			2.6	256	16
29/12/23 23:40	1.912	6.048	7.960	1.303			3.1	258	15
29/12/23 23:45	1.762	5.900	7.663	1.196			2.7	257	14
29/12/23 23:50	1.693	5.838	7.531				2.8	253	16
29/12/23 23:55	1.620	5.814	7.433				2.3	252	18
30/12/23 00:00	1.522	5.151	6.673				2.5	256	13
30/12/23 00:05	1.524	5.212	6.736	1.122			3.0	257	16
30/12/23 00:10	1.583	5.329	6.912	1.162			3.7	255	12
30/12/23 00:15	1.529	5.096	6.625	1.124			2.7	256	19
30/12/23 00:20	1.633	5.165	6.798	1.053			3.3	259	14
30/12/23 00:25	2.238	6.009	8.248	0.990			3.0	262	16
30/12/23 00:30	2.844	7.922	10.766	1.002			2.9	259	16
30/12/23 00:35	3.365	8.393	11.758	1.120			2.8	260	12
30/12/23 00:40	3.566	8.289	11.855	1.181			2.4	254	16
30/12/23 00:45	3.977	9.937	13.915	1.159			3.6	268	12
30/12/23 00:50	3.679	7.502	11.181	1.296			3.7	264	18
30/12/23 00:55	3.271	5.657	8.928	1.318			3.6	257	13
30/12/23 01:00	3.329	7.079	10.409	1.302			2.4	252	19
30/12/23 01:05							3.6	259	12
30/12/23 01:10							3.4	256	15
30/12/23 01:15							4.1	262	11
30/12/23 01:20							3.5	254	13
30/12/23 01:25							2.6	253	14
30/12/23 01:30							3.4	256	12
30/12/23 01:35							3.0	256	14
30/12/23 01:40							3.1	259	14
30/12/23 01:45							3.5	258	12
30/12/23 01:50							2.8	250	15

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/12/23 01:55							3.2	258	13
30/12/23 02:00							3.3	257	16
30/12/23 02:05	2.207	3.266	5.473	1.171			3.6	260	12
30/12/23 02:10	2.165	3.818	5.983	1.121			3.8	258	14
30/12/23 02:15	2.042	3.932	5.973	1.106			4.2	258	12
30/12/23 02:20	1.847	3.866	5.713	1.011			4.8	262	08
30/12/23 02:25	2.015	4.511	6.526	0.902			4.2	261	10
30/12/23 02:30	2.207	5.188	7.395	0.834			3.2	254	12
30/12/23 02:35	2.573	6.474	9.047	0.844			3.2	258	13
30/12/23 02:40	2.481	6.127	8.608	0.872			3.1	257	13
30/12/23 02:45	2.395	4.986	7.381	0.806			2.8	255	15
30/12/23 02:50	2.560	6.690	9.250	0.865			3.1	259	19
30/12/23 02:55	2.374	1.755	4.129	0.869			3.3	262	11
30/12/23 03:00	1.821	0.917	2.738	0.803			3.6	260	12
30/12/23 03:05	1.469	1.920	3.389	0.800			3.0	256	13
30/12/23 03:10	1.539	3.048	4.587	0.740			4.1	264	11
30/12/23 03:15	1.764	4.402	6.166	0.671			3.5	262	10
30/12/23 03:20	1.767	4.421	6.188	0.651			3.0	255	17
30/12/23 03:25	1.665	4.497	6.162	0.690			2.4	255	16
30/12/23 03:30	1.967	5.104	7.071	0.725			2.9	259	16
30/12/23 03:35	2.092	5.455	7.548	0.763			2.6	260	17
30/12/23 03:40	1.976	5.553	7.529	0.696			3.0	264	12
30/12/23 03:45	1.839	5.399	7.239	0.668			2.7	266	16
30/12/23 03:50	1.536	4.916	6.452	0.647			2.4	268	18
30/12/23 03:55	1.162	4.563	5.726	0.634			2.4	264	21
30/12/23 04:00	0.833	3.480	4.313	0.628			2.1	267	19
30/12/23 04:05	0.657	2.955	3.612	0.604			1.3	290	35
30/12/23 04:10	0.432	2.860	3.292	0.585			1.4	285	30
30/12/23 04:15	0.280	3.048	3.327	0.574			1.8	289	26
30/12/23 04:20	0.246	3.393	3.640	0.612			1.9	295	27
30/12/23 04:25	0.301	3.686	3.987	0.639			1.8	283	31
30/12/23 04:30	0.225	4.096	4.321	0.649			1.7	275	26
30/12/23 04:35	0.283	4.250	4.534	0.647			3.1	267	12
30/12/23 04:40	0.404	4.298	4.702	0.608			3.2	265	12
30/12/23 04:45	0.498	4.399	4.897	0.525			2.8	268	17
30/12/23 04:50	0.510	4.536	5.046	0.436			3.3	268	13
30/12/23 04:55	0.574	4.639	5.213	0.400			2.3	272	23
30/12/23 05:00	1.970	8.739	10.709	0.406			2.1	269	18
30/12/23 05:05	10.579	14.912	25.491	0.402			2.3	270	18
30/12/23 05:10	13.261	11.526	24.787	0.462			3.4	266	11
30/12/23 05:15	2.538	5.900	8.438	0.481			3.2	263	12
30/12/23 05:20	1.891	5.783	7.674	0.493			3.0	265	13
30/12/23 05:25	1.809	6.471	8.280	0.479			2.9	262	14
30/12/23 05:30	1.618	6.043	7.661	0.467			3.0	267	13
30/12/23 05:35	2.013	7.208	9.221	0.498			2.8	260	13
30/12/23 05:40	2.377	8.763	11.140	0.515			3.0	259	14
30/12/23 05:45	5.780	15.622	21.402	0.600			2.7	264	16
30/12/23 05:50	9.637	12.818	22.455	0.605			3.4	264	13
30/12/23 05:55	14.168	14.015	28.183	0.588			3.6	264	12
30/12/23 06:00	10.766	12.091	22.858	0.575			4.3	266	09
30/12/23 06:05	11.333	11.846	23.179	0.587			3.8	267	11
30/12/23 06:10	9.032	8.733	17.765	0.485			4.1	265	11
30/12/23 06:15	3.781	5.699	9.479	0.427			4.2	263	11
30/12/23 06:20	2.564	5.730	8.294	0.394			4.3	261	10
30/12/23 06:25	2.309	5.747	8.057	0.377			4.5	265	09
30/12/23 06:30	2.425	5.763	8.188	0.419			3.6	258	11
30/12/23 06:35	2.577	5.974	8.551	0.457			3.4	259	12
30/12/23 06:40	2.334	5.919	8.253	0.491			3.6	260	14
30/12/23 06:45	2.365	6.084	8.449	0.463			3.2	258	15
30/12/23 06:50	2.384	6.116	8.500	0.521			3.5	261	13
30/12/23 06:55	2.597	6.153	8.750	0.566			4.3	263	10
30/12/23 07:00	2.596	5.630	8.225	0.574			4.0	258	14
30/12/23 07:05	2.635	5.432	8.067	0.597			3.2	255	11
30/12/23 07:10	2.565	5.090	7.655	0.663			2.7	261	15
30/12/23 07:15	2.763	4.763	7.527	0.737			1.9	247	15
30/12/23 07:20	2.671	3.827	6.498	0.768			2.9	252	12
30/12/23 07:25	2.497	3.398	5.896	0.762			3.1	253	12
30/12/23 07:30	2.320	2.680	5.000	0.801			2.7	246	14
30/12/23 07:35	2.029	2.196	4.225	0.753			3.3	252	14
30/12/23 07:40	1.887	2.297	4.184	0.714			4.1	257	11
30/12/23 07:45	1.553	1.596	3.149	0.623			2.4	244	23
30/12/23 07:50	1.238	1.253	2.491	0.577			2.8	252	14
30/12/23 07:55	1.062	1.362	2.424	0.614			2.3	242	18
30/12/23 08:00	0.661	1.257	1.918	0.641			2.3	244	15
30/12/23 08:05	0.510	1.132	1.642	0.662			2.4	243	14
30/12/23 08:10	0.632	1.387	2.019	0.612			4.0	252	10
30/12/23 08:15	0.792	1.734	2.526	0.502			2.5	245	17
30/12/23 08:20	0.788	1.520	2.308	0.442			2.6	243	21
30/12/23 08:25	0.570	1.365	1.935	0.387			1.8	232	19
30/12/23 08:30	1.079	1.496	2.575	0.386			3.1	230	12
30/12/23 08:35	1.072	1.698	2.771	0.309			2.3	231	17
30/12/23 08:40	0.781	1.323	2.104	0.298			3.2	249	15
30/12/23 08:45	0.645	1.175	1.820	0.307			2.2	236	16
30/12/23 08:50	0.575	1.049	1.625	0.327			1.9	248	17
30/12/23 08:55	0.617	0.907	1.523	0.346			2.0	235	20
30/12/23 09:00	0.544	0.909	1.452	0.449			2.0	243	18
30/12/23 09:05	0.452	0.882	1.334	0.434			1.4	237	28
30/12/23 09:10	0.385	0.817	1.202	0.385			2.0	229	16
30/12/23 09:15	0.501	0.800	1.301	0.439			2.3	232	14
30/12/23 09:20	0.525	0.764	1.289	0.429			1.9	233	19
30/12/23 09:25	0.365	0.709	1.074	0.411			1.7	237	21
30/12/23 09:30	0.217	0.719	0.935	0.473			2.3	232	10
30/12/23 09:35	2.563	9.246	11.809	0.471			3.0	225	12
30/12/23 09:40	125.503	16.698	142.201	0.835			2.8	215	15
30/12/23 09:45	82.836	10.343	93.180	1.070			2.5	219	17
30/12/23 09:50	68.449	10.742	79.191	1.256			3.1	224	10
30/12/23 09:55	50.993	15.129	66.122	1.328			3.3	225	11
30/12/23 10:00	0.804	0.817	1.621	1.232			2.2	230	11
30/12/23 10:05	0.541	0.638	1.179	1.108			2.5	244	19
30/12/23 10:10	0.205	0.664	0.869	0.897			2.5	244	14
30/12/23 10:15	0.149	0.717	0.865	0.698			1.8	245	19
30/12/23 10:20	0.266	0.689	0.955	0.712			2.4	245	16
30/12/23 10:25	0.267	0.644	0.911	0.711			1.8	230	14
30/12/23 10:30	0.897	0.650	1.548	0.622			2.4	255	17
30/12/23 10:35	1.293	1.016	2.309	0.580			2.1	240	18
30/12/23 10:40	4.636	10.520	15.156	0.585			3.2	230	13

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/12/23 10:45	14.673		13.979	0.479			2.2	228	16
30/12/23 10:50	42.294	4.624	46.918	0.678			2.4	224	14
30/12/23 10:55	75.302	30.590	105.892	0.948			2.9	212	17
30/12/23 11:00	167.851	12.799	180.650	2.027			3.0	212	18
30/12/23 11:05	202.249	22.692	224.942	3.659			2.6	207	18
30/12/23 11:10	165.747	32.193	197.939	4.531			2.0	210	21
30/12/23 11:15	44.429	16.357	60.786	3.857			2.6	224	13
30/12/23 11:20	49.437	3.695	53.133	2.984			2.5	222	17
30/12/23 11:25	100.391	28.250	128.641	2.980			3.0	216	15
30/12/23 11:30	133.859	23.506	157.366	5.102			3.3	222	16
30/12/23 11:35	136.382	19.957	156.339	5.089			3.0	213	18
30/12/23 11:40	194.966	25.087	220.053	6.143			3.4	212	18
30/12/23 11:45	136.350	10.854	147.204	6.626			2.7	207	19
30/12/23 11:50	153.476	22.674	176.150	7.889			3.5	211	11
30/12/23 11:55	110.011	11.664	121.675	10.579			3.4	208	16
30/12/23 12:00	175.595	13.037	188.633	11.795			2.9	207	17
30/12/23 12:05	118.979	10.558	129.537	10.090			2.7	210	17
30/12/23 12:10	143.426	23.440	166.866	9.638			3.2	207	16
30/12/23 12:15	120.838	3.603	124.441	10.000			3.4	211	17
30/12/23 12:20	215.793	31.609	247.402	10.811			3.8	204	15
30/12/23 12:25	113.779	18.098	131.876	11.338			4.5	205	14
30/12/23 12:30	158.412	13.294	171.706	9.631			3.7	211	16
30/12/23 12:35	118.089	18.209	136.298	10.813			4.0	207	13
30/12/23 12:40	104.640	8.007	112.646	13.108			4.1	211	14
30/12/23 12:45	103.094	14.674	117.768	13.028			3.8	209	13
30/12/23 12:50	99.084	19.241	118.325	11.584			3.6	211	13
30/12/23 12:55	113.619	16.731	130.350	12.200			3.3	207	17
30/12/23 13:00	98.327	13.333	111.660	13.885			3.7	207	14
30/12/23 13:05	77.748	12.523	90.271	15.558			3.6	212	11
30/12/23 13:10	113.374	14.737	128.112	20.624			4.1	210	15
30/12/23 13:15	91.256	15.667	106.924	16.886			3.2	211	13
30/12/23 13:20	92.672	8.231	100.903	16.425			3.7	211	11
30/12/23 13:25	77.948	14.445	92.393	14.339			3.5	209	12
30/12/23 13:30	80.071	9.585	89.656	14.927			4.0	212	13
30/12/23 13:35	89.502	19.650	109.152	16.714			3.4	211	16
30/12/23 13:40	69.078	16.537	85.616	15.376			4.2	209	13
30/12/23 13:45	92.051	16.951	109.002	14.588			4.2	211	13
30/12/23 13:50	82.002	20.923	102.926	15.176			4.8	212	13
30/12/23 13:55	93.839	10.136	103.975	14.830			3.9	211	15
30/12/23 14:00	50.808	14.379	65.187	13.148			4.0	208	12
30/12/23 14:05	78.652	13.309	91.962	11.039			3.8	212	15
30/12/23 14:10	96.443	12.470	108.913	12.573			3.5	211	14
30/12/23 14:15	62.314	15.845	78.158	14.902			4.3	213	11
30/12/23 14:20	63.835	20.670	84.505	14.326			3.7	211	12
30/12/23 14:25	76.873	11.465	88.338	15.269			4.1	213	12
30/12/23 14:30	60.930	13.985	74.915	13.184			4.6	214	11
30/12/23 14:35	83.568	9.661	93.230	14.434			4.6	210	14
30/12/23 14:40	58.148	15.608	73.756	12.995			4.3	215	12
30/12/23 14:45	61.225	22.356	83.581	14.088			4.0	212	13
30/12/23 14:50	79.122	18.652	97.775	12.904			3.9	211	16
30/12/23 14:55	57.751	14.399	72.150	12.589			4.1	212	15
30/12/23 15:00	98.470	12.874	111.344	14.019			4.1	212	13
30/12/23 15:05	119.494	36.814	156.308	14.456			5.0	212	11
30/12/23 15:10	140.874	32.815	173.688	10.389			4.2	214	12
30/12/23 15:15	84.146		78.069	13.783			4.8	213	10
30/12/23 15:20	90.626	10.757	101.383	14.688			5.1	213	10
30/12/23 15:25	56.398	13.100	69.498	8.331			4.8	214	14
30/12/23 15:30	28.768	6.295	35.062	7.000			4.4	212	12
30/12/23 15:35	27.790	7.417	35.207	5.510			4.5	214	11
30/12/23 15:40	33.979	1.269	35.248	8.323			4.8	213	11
30/12/23 15:45	21.108		20.419	6.536			4.9	213	12
30/12/23 15:50	4.697	3.162	7.859	4.426			4.8	216	12
30/12/23 15:55	9.988	2.485	12.473	3.355			4.6	216	11
30/12/23 16:00	8.585	6.528	15.113	4.162			4.8	216	11
30/12/23 16:05	5.875	0.058	5.933	2.856			4.4	213	11
30/12/23 16:10	43.504	6.363	49.867	3.987			4.4	215	11
30/12/23 16:15	54.439	4.874	59.313	11.350			4.2	215	10
30/12/23 16:20	2.232	2.214	4.446	5.112			5.5	216	09
30/12/23 16:25	33.222	6.678	39.900	5.149			4.2	213	09
30/12/23 16:30	23.052	6.946	29.999	6.939			4.7	214	09
30/12/23 16:35	2.459	1.347	3.806	4.899			5.1	215	09
30/12/23 16:40	25.071		20.916	3.089			3.8	214	14
30/12/23 16:45	78.575	15.009	93.584	9.357			3.4	211	13
30/12/23 16:50	134.249		133.646	18.977			3.7	213	12
30/12/23 16:55	119.078	26.677	145.755	23.331			3.2	208	14
30/12/23 17:00	73.574	19.747	93.321	17.974			4.1	213	11
30/12/23 17:05	166.454	26.531	192.985	24.261			3.7	213	13
30/12/23 17:10	7.637	6.143	13.780	9.833			3.0	206	16
30/12/23 17:15	2.001	2.081	4.082	5.607			2.6	202	22
30/12/23 17:20	1.613	3.072	4.685	4.275			3.4	211	13
30/12/23 17:25	1.773	3.337	5.110	3.984			3.3	209	15
30/12/23 17:30	1.822	3.825	5.647	3.397			4.0	206	14
30/12/23 17:35	1.706	3.407	5.114	2.879			3.4	210	14
30/12/23 17:40	1.351	1.036	2.387	2.556			3.6	212	14
30/12/23 17:45	1.046	0.577	1.624	2.338			4.0	208	14
30/12/23 17:50	0.983	0.833	1.815	2.225			3.7	211	15
30/12/23 17:55	1.163	1.177	2.340	2.155			4.0	214	13
30/12/23 18:00	1.036	1.352	2.388	1.982			4.4	209	12
30/12/23 18:05	0.763	1.270	2.033	1.703			4.4	212	13
30/12/23 18:10	0.621	1.311	1.932	1.610			3.7	210	13
30/12/23 18:15	0.609	1.786	2.395	1.497			3.8	210	12
30/12/23 18:20	0.602	2.103	2.705	1.416			4.0	209	13
30/12/23 18:25	0.732	2.478	3.211	1.486			3.9	210	12
30/12/23 18:30	0.713	2.253	2.966	1.469			3.7	212	15
30/12/23 18:35	0.819	2.052	2.871	1.339			3.9	209	13
30/12/23 18:40	4.645	3.153	7.798	1.461			3.8	211	14
30/12/23 18:45	35.290	12.553	47.843	1.965			3.8	212	15
30/12/23 18:50	66.337	15.477	81.814	3.197			3.3	208	16
30/12/23 18:55	57.100	7.068	64.168	5.379			3.5	208	16
30/12/23 19:00	23.361	21.582	44.943	7.025			3.4	211	17
30/12/23 19:05	14.916	1.056	15.972	5.512			3.2	211	17
30/12/23 19:10	47.572	9.506	57.078	5.676			3.6	213	13
30/12/23 19:15	26.848	8.691	35.539	7.176			3.7	209	16
30/12/23 19:20	29.349	6.451	35.800	6.523			3.2	214	13
30/12/23 19:25	51.988	10.860	62.847	6.568			3.2	210	16
30/12/23 19:30	3.510	4.230	7.740	5.742			3.0	209	16

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
30/12/23 19:35	0.194	1.104	1.298	4.130			2.4	201	26
30/12/23 19:40	0.190	0.930	1.121	3.112			3.3	209	15
30/12/23 19:45	0.917	2.505	3.422	2.630			2.8	211	18
30/12/23 19:50	0.999	1.937	2.935	2.438			3.5	207	14
30/12/23 19:55	1.017	2.628	3.645	2.347			3.8	212	15
30/12/23 20:00	0.562	1.066	1.628	2.034			3.6	209	14
30/12/23 20:05	0.442	0.898	1.340	1.838			3.7	213	10
30/12/23 20:10	0.280	0.985	1.266	1.846			3.7	213	12
30/12/23 20:15	0.212	0.839	1.051	1.762			4.2	207	15
30/12/23 20:20	0.172	0.973	1.145	1.510			3.5	207	14
30/12/23 20:25	0.170	0.936	1.106	1.318			3.7	213	13
30/12/23 20:30	0.166	0.796	0.962	1.275			3.5	212	12
30/12/23 20:35	0.108	0.640	0.747	1.103			3.2	209	15
30/12/23 20:40	0.133	0.576	0.709	1.072			3.4	210	11
30/12/23 20:45	0.137	0.602	0.739	1.094			3.9	211	13
30/12/23 20:50	0.092	0.626	0.718	0.914			3.5	211	14
30/12/23 20:55	0.145	0.562	0.706	0.760			3.5	209	14
30/12/23 21:00	0.147	0.510	0.657	0.835			3.9	213	15
30/12/23 21:05	0.117	0.525	0.642	0.813			3.9	215	10
30/12/23 21:10	0.135	0.474	0.608	0.721			3.4	210	12
30/12/23 21:15	0.110	0.452	0.562	0.720			2.9	208	18
30/12/23 21:20	0.168	0.413	0.581	0.739			3.2	213	14
30/12/23 21:25	0.126	0.427	0.552	0.818			3.3	206	14
30/12/23 21:30	0.035	0.435	0.470	0.808			3.2	206	15
30/12/23 21:35	0.100	0.401	0.501	0.809			2.8	208	17
30/12/23 21:40	0.167	0.400	0.567	0.724			3.1	212	13
30/12/23 21:45	0.160	0.401	0.561	0.749			3.2	204	13
30/12/23 21:50	0.098	0.406	0.504	0.812			2.8	213	12
30/12/23 21:55	0.151	0.380	0.531	0.852			3.8	219	13
30/12/23 22:00	0.157	0.365	0.522	0.906			3.2	211	14
30/12/23 22:05	0.112	0.313	0.425	0.887			3.4	216	12
30/12/23 22:10	-0.001	0.337	0.335	0.867			3.3	212	13
30/12/23 22:15	-0.034	0.348	0.314	0.828			3.0	213	14
30/12/23 22:20	-0.020	0.398	0.378	0.752			3.4	208	15
30/12/23 22:25	-0.039	0.502	0.462	0.577			3.4	208	14
30/12/23 22:30	-0.083	0.718	0.635	0.571			3.4	211	12
30/12/23 22:35	-0.076	0.839	0.763	0.596			3.1	208	14
30/12/23 22:40	-0.056	0.808	0.752	0.512			3.1	207	18
30/12/23 22:45	0.032	0.707	0.739	0.519			3.2	214	11
30/12/23 22:50	0.025	0.673	0.698	0.540			2.8	214	11
30/12/23 22:55	-0.029	0.654	0.625	0.416			3.0	213	15
30/12/23 23:00	-0.052	0.647	0.595	0.512			3.4	210	13
30/12/23 23:05	-0.046	0.819	0.773	0.463			4.1	222	11
30/12/23 23:10	-0.009	0.720	0.711	0.389			3.3	211	13
30/12/23 23:15	-0.054	0.653	0.599	0.462			3.1	211	13
30/12/23 23:20	-0.039	0.654	0.615	0.527			3.2	210	14
30/12/23 23:25	0.017	0.694	0.712	0.466			3.4	211	14
30/12/23 23:30	0.013	0.793	0.807	0.473			3.5	211	14
30/12/23 23:35	0.036	0.729	0.765	0.492			3.5	209	12
30/12/23 23:40	0.027	0.612	0.639	0.511			3.0	210	16
30/12/23 23:45	-0.092	0.585	0.493	0.549			2.5	210	17
30/12/23 23:50	-0.055	0.539	0.483				3.2	207	17
30/12/23 23:55	0.038	0.531	0.570				3.1	210	20
31/12/23 00:00	0.096	0.577	0.673				3.0	210	12
31/12/23 00:05	0.118	0.525	0.643	0.491			2.3	212	20
31/12/23 00:10	0.156	0.564	0.720	0.373			3.3	210	15
31/12/23 00:15	0.761	1.301	2.062	0.445			3.7	218	13
31/12/23 00:20	0.784	0.654	1.438	0.509			3.7	217	11
31/12/23 00:25	0.663	0.597	1.260	0.392			3.9	219	11
31/12/23 00:30	0.542	0.603	1.144	0.347			3.5	217	14
31/12/23 00:35	0.421	0.543	0.964	0.334			2.9	209	15
31/12/23 00:40	0.185	0.462	0.647	0.407			3.6	214	12
31/12/23 00:45	0.133	0.376	0.509	0.411			2.9	208	14
31/12/23 00:50	0.138	0.299	0.437	0.380			2.9	207	14
31/12/23 00:55	0.162	0.301	0.463	0.270			3.2	208	13
31/12/23 01:00	0.295	0.359	0.654	0.229			2.8	210	15
31/12/23 01:05							2.5	209	18
31/12/23 01:10							2.8	212	15
31/12/23 01:15							2.8	209	14
31/12/23 01:20							2.0	203	26
31/12/23 01:25							2.4	209	16
31/12/23 01:30							2.1	205	20
31/12/23 01:35							1.8	204	26
31/12/23 01:40							2.1	205	21
31/12/23 01:45							2.5	208	19
31/12/23 01:50							2.7	209	18
31/12/23 01:55							2.8	211	15
31/12/23 02:00							1.8	188	34
31/12/23 02:05	0.159	1.313	1.471	0.294			2.5	146	31
31/12/23 02:10	0.130	1.103	1.233	0.236			2.1	173	33
31/12/23 02:15	-0.020	0.978	0.958	0.110			2.1	147	35
31/12/23 02:20	-0.031	0.897	0.866	0.105			2.0	156	31
31/12/23 02:25	0.117	0.781	0.897	0.196			1.5	160	47
31/12/23 02:30	0.190	0.640	0.830	0.156			1.8	188	32
31/12/23 02:35	0.181	0.579	0.759	0.003			1.6	198	32
31/12/23 02:40	0.127	0.475	0.601	-0.005			1.8	202	23
31/12/23 02:45	0.074	0.507	0.581	-0.012			1.6	186	28
31/12/23 02:50	0.053	0.537	0.591	-0.035			1.3	183	43
31/12/23 02:55	0.113	0.467	0.580	-0.018			1.9	195	21
31/12/23 03:00	0.188	0.447	0.635	-0.045			1.7	194	33
31/12/23 03:05	0.196	0.444	0.640	-0.090			1.5	189	40
31/12/23 03:10	0.240	0.439	0.679	-0.143			1.6	194	31
31/12/23 03:15	0.072	0.434	0.507	-0.235			1.5	177	37
31/12/23 03:20	-0.052	0.474	0.422	-0.132			2.2	156	25
31/12/23 03:25	-0.019	0.415	0.396	-0.125			1.7	166	30
31/12/23 03:30	-0.002	0.526	0.523	-0.108			1.5	153	38
31/12/23 03:35	-0.067	0.579	0.512	-0.108			1.3	142	40
31/12/23 03:40	-0.141	0.579	0.438	-0.041			1.3	124	32
31/12/23 03:45	-0.118	0.604	0.486	0.002			1.6	125	26
31/12/23 03:50	-0.035	0.484	0.448	0.012			2.0	123	17
31/12/23 03:55	-0.047	0.458	0.410	-0.062			1.7	125	19
31/12/23 04:00	-0.115	0.516	0.401	-0.041			1.2	133	40
31/12/23 04:05	-0.107	0.545	0.438	-0.016			1.0	145	47
31/12/23 04:10	-0.082	0.557	0.475	0.080			1.1	152	43
31/12/23 04:15	0.002	0.535	0.537	0.131			0.7	151	53
31/12/23 04:20	0.068	0.550	0.618	0.149			1.9	119	17

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/12/23 04:25	0.032	0.686	0.718	0.015			2.0	104	15
31/12/23 04:30	-0.025	0.946	0.921	0.003			2.1	110	12
31/12/23 04:35	-0.021	1.012	0.991	-0.047			2.0	117	14
31/12/23 04:40	-0.051	1.057	1.006	-0.022			1.9	112	15
31/12/23 04:45	0.018	1.018	1.036	-0.049			1.4	128	20
31/12/23 04:50	0.079	0.913	0.992	-0.066			1.8	134	18
31/12/23 04:55	0.067	0.748	0.815	-0.089			1.0	138	41
31/12/23 05:00	-0.019	0.696	0.676	-0.097			0.9	121	42
31/12/23 05:05	-0.079	0.750	0.672	-0.066			1.5	139	29
31/12/23 05:10	-0.036	0.744	0.708	-0.063			2.0	142	26
31/12/23 05:15	-0.047	0.753	0.706	-0.078			1.7	151	29
31/12/23 05:20	-0.115	0.716	0.601	0.012			0.9	153	51
31/12/23 05:25	-0.072	0.731	0.659	-0.028			2.1	156	28
31/12/23 05:30	-0.037	0.763	0.726	-0.082			1.2	158	43
31/12/23 05:35	-0.008	0.731	0.723	-0.148			1.7	160	36
31/12/23 05:40	0.019	0.815	0.834	-0.091			0.9	151	53
31/12/23 05:45	0.053	0.878	0.931	-0.060			1.7	134	30
31/12/23 05:50	0.221	0.878	1.099	0.051			2.5	123	11
31/12/23 05:55	0.267	0.989	1.257	0.135			2.6	113	13
31/12/23 06:00	0.301	1.253	1.554	0.062			2.5	107	12
31/12/23 06:05	0.252	1.507	1.760	-0.007			2.3	112	14
31/12/23 06:10	0.258	1.714	1.972	-0.063			2.6	114	10
31/12/23 06:15	0.295	1.844	2.139	-0.008			2.4	113	10
31/12/23 06:20	0.331	1.967	2.298	-0.040			2.0	118	13
31/12/23 06:25	0.414	1.984	2.398	0.045			2.2	123	15
31/12/23 06:30	0.550	1.964	2.514	0.113			1.9	124	12
31/12/23 06:35	0.741	2.003	2.743	0.099			1.9	120	14
31/12/23 06:40	0.764	2.116	2.880	0.134			1.7	127	13
31/12/23 06:45	0.700	2.088	2.788	0.106			1.2	133	27
31/12/23 06:50	0.775	2.131	2.906	0.067			1.3	140	30
31/12/23 06:55	0.681	1.874	2.555	0.044			1.5	136	24
31/12/23 07:00	0.564	1.708	2.272	0.031			1.7	128	20
31/12/23 07:05	0.609	1.465	2.074	0.078			1.1	133	37
31/12/23 07:10	0.555	1.390	1.945	0.073			1.2	131	35
31/12/23 07:15	0.577	1.343	1.920	0.115			1.3	143	32
31/12/23 07:20	0.565	1.273	1.838	0.039			1.4	140	27
31/12/23 07:25	0.569	1.220	1.789	0.075			1.0	133	37
31/12/23 07:30	0.588	1.183	1.771	0.098			2.1	155	25
31/12/23 07:35	0.488	1.237	1.724	0.130			1.7	143	23
31/12/23 07:40	0.478	1.243	1.722	0.060			1.1	150	33
31/12/23 07:45	0.479	1.198	1.678	0.029			1.3	152	27
31/12/23 07:50	0.363	1.194	1.558	0.049			1.2	148	28
31/12/23 07:55	0.289	1.151	1.440	-0.101			1.5	152	25
31/12/23 08:00	0.357	1.111	1.468	-0.173			1.6	151	27
31/12/23 08:05	0.401	1.080	1.481	-0.066			1.2	161	35
31/12/23 08:10	0.366	1.061	1.427	0.042			1.6	189	26
31/12/23 08:15	0.252	0.968	1.221	0.040			2.4	153	17
31/12/23 08:20	0.077	0.965	1.042	0.027			1.5	166	35
31/12/23 08:25	0.067	0.924	0.991	-0.040			1.5	182	29
31/12/23 08:30	0.028	0.847	0.876	-0.020			1.1	189	37
31/12/23 08:35	0.096	0.842	0.939	0.070			1.5	185	25
31/12/23 08:40	0.137	0.835	0.972	0.062			1.3	175	42
31/12/23 08:45	0.147	0.748	0.895	0.102			1.5	191	26
31/12/23 08:50	0.098	0.758	0.856	-0.010			1.6	188	25
31/12/23 08:55	0.070	0.769	0.839	-0.097			1.6	173	31
31/12/23 09:00	0.078	0.757	0.835	0.027			1.5	189	20
31/12/23 09:05	0.113	0.726	0.839	0.086			1.4	162	41
31/12/23 09:10	0.083	0.699	0.782	0.122			1.2	175	43
31/12/23 09:15	0.109	0.704	0.813	0.069			1.6	159	31
31/12/23 09:20	0.029	0.715	0.744	0.057			1.5	175	33
31/12/23 09:25	0.104	0.616	0.720	-0.015			1.4	156	35
31/12/23 09:30	0.231	0.588	0.819	-0.105			1.4	165	41
31/12/23 09:35	0.182	0.617	0.799	-0.174			1.3	189	27
31/12/23 09:40	0.207	0.625	0.832	-0.166			1.6	193	23
31/12/23 09:45	0.274	0.768	1.042	-0.031			1.4	183	35
31/12/23 09:50	0.454	0.878	1.332	-0.004			1.7	203	24
31/12/23 09:55	13.328		12.249	0.172			2.0	207	21
31/12/23 10:00	25.472	15.467	40.939	0.689			1.7	211	22
31/12/23 10:05	14.111	5.649	19.760	1.046			1.6	202	24
31/12/23 10:10	12.434	5.092	17.527	1.109			1.8	209	21
31/12/23 10:15	4.195	2.972	7.167	1.372			2.1	211	17
31/12/23 10:20	5.262	4.607	9.870	1.354			2.0	206	20
31/12/23 10:25	12.213	7.055	19.268	1.329			2.1	208	19
31/12/23 10:30	29.263	13.115	42.378	1.486			2.3	213	16
31/12/23 10:35	27.267	9.789	37.056	2.400			2.1	210	18
31/12/23 10:40	15.942	5.443	21.384	2.507			1.9	203	24
31/12/23 10:45	12.439	7.615	20.054	2.473			2.2	209	16
31/12/23 10:50	5.256	3.738	8.993	2.077			1.9	212	18
31/12/23 10:55	22.005	5.413	27.418	1.979			2.3	209	14
31/12/23 11:00	12.968	1.925	14.893	2.309			2.2	213	18
31/12/23 11:05	27.115	9.474	36.589	3.229			2.3	214	17
31/12/23 11:10	21.686	6.056	27.742	3.287			2.4	217	14
31/12/23 11:15	18.392	7.437	25.829	3.258			3.3	221	10
31/12/23 11:20	8.030	5.829	13.859	2.784			2.8	211	17
31/12/23 11:25	17.490	6.799	24.289	2.633			2.7	216	12
31/12/23 11:30	10.646	5.957	16.604	2.572			3.3	221	11
31/12/23 11:35	16.016		11.895	2.573			2.8	218	10
31/12/23 11:40	21.742	1.138	22.880	2.580			2.8	216	12
31/12/23 11:45	13.350	8.483	21.833	2.750			2.9	219	15
31/12/23 11:50	14.330	2.887	17.218	2.403			3.7	221	11
31/12/23 11:55	11.504	6.087	17.591	2.628			3.0	219	12
31/12/23 12:00	15.023	7.865	22.888	2.344			2.6	212	16
31/12/23 12:05	10.134	6.091	16.225	2.477			3.4	226	10
31/12/23 12:10	5.498	2.031	7.530	2.096			3.6	226	10
31/12/23 12:15	6.832	4.207	11.039	1.695			3.8	227	07
31/12/23 12:20	15.126	5.952	21.078	1.835			4.3	228	07
31/12/23 12:25	17.852	11.333	29.184	1.949			4.1	225	09
31/12/23 12:30	12.439	5.498	17.938	2.241			4.1	226	10
31/12/23 12:35	24.174	6.020	30.193	2.812			4.2	225	08
31/12/23 12:40	42.925	13.256	56.181	3.596			3.7	222	11
31/12/23 12:45	3.476	4.698	8.174	3.023			4.5	227	08
31/12/23 12:50	12.056	4.030	16.086	2.288			4.1	227	08
31/12/23 12:55	8.069	3.968	12.037	2.086			4.4	229	07
31/12/23 13:00	5.827	4.488	10.315	2.019			4.3	227	08
31/12/23 13:05	18.592	6.006	24.598	2.185			4.0	225	10
31/12/23 13:10	5.797	5.186	10.983	2.342			3.6	221	09

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/12/23 13:15	25.177	9.809	34.986	2.390			3.3	223	13
31/12/23 13:20	9.790	3.647	13.437	2.443			3.4	222	08
31/12/23 13:25	10.394	10.324	20.718	2.289			3.0	221	11
31/12/23 13:30	19.827	1.521	21.348	2.341			3.7	222	11
31/12/23 13:35	6.330	4.509	10.839	2.186			3.8	224	10
31/12/23 13:40	10.785	5.215	16.000	2.032			4.2	225	08
31/12/23 13:45	30.984	10.258	41.242	2.201			3.9	223	11
31/12/23 13:50	14.264	9.463	23.727	2.623			4.2	224	10
31/12/23 13:55	3.412	5.417	8.829	2.339			4.5	226	08
31/12/23 14:00	5.795	3.273	9.068	1.951			4.5	227	07
31/12/23 14:05	29.045	6.587	35.632	2.398			3.8	226	10
31/12/23 14:10	11.788	5.363	17.151	2.540			4.4	227	08
31/12/23 14:15	2.650	2.874	5.524	2.109			4.8	228	07
31/12/23 14:20	2.927	4.154	7.081	1.738			4.6	226	08
31/12/23 14:25	11.438	3.373	14.810	1.581			4.3	226	08
31/12/23 14:30	8.874	2.613	11.487	1.725			4.4	229	08
31/12/23 14:35	4.183	1.391	5.575	1.543			4.9	228	08
31/12/23 14:40	8.050	1.590	9.640	1.402			4.9	225	08
31/12/23 14:45	10.396	11.484	21.880	1.336			4.4	226	09
31/12/23 14:50	17.328	8.572	25.901	1.508			4.7	229	07
31/12/23 14:55	25.864	10.474	36.338	1.861			4.7	225	07
31/12/23 15:00	9.802	4.823	14.625	1.928			5.4	227	06
31/12/23 15:05	8.990	6.719	15.709	2.023			4.7	222	10
31/12/23 15:10	8.201	5.986	14.188	1.860			5.2	226	08
31/12/23 15:15	20.292	7.626	27.918	1.750			5.0	226	07
31/12/23 15:20	38.566	10.065	48.631	2.577			5.3	225	09
31/12/23 15:25	25.020	10.436	35.457	2.658			4.7	225	10
31/12/23 15:30	31.229	8.975	40.204	3.058			4.5	222	07
31/12/23 15:35	31.379	13.431	44.810	3.276			4.6	222	10
31/12/23 15:40	40.104	12.314	52.418	3.657			4.4	221	10
31/12/23 15:45	26.782	10.112	36.894	3.649			3.9	219	10
31/12/23 15:50	39.577	17.960	57.537	4.122			3.3	211	15
31/12/23 15:55	32.157	8.953	41.110	4.583			3.3	220	13
31/12/23 16:00	41.636	6.473	48.109	4.696			3.2	216	13
31/12/23 16:05	27.340	13.751	41.091	4.590			3.2	216	12
31/12/23 16:10	20.441	7.223	27.664	4.516			3.4	214	13
31/12/23 16:15	17.429	11.931	29.360	3.789			3.3	211	15
31/12/23 16:20	19.938	7.727	27.666	3.675			3.0	212	13
31/12/23 16:25	20.451	8.452	28.902	3.634			3.6	212	13
31/12/23 16:30	21.583	4.999	26.582	3.432			3.3	215	15
31/12/23 16:35	25.201	5.490	30.691	3.455			3.3	212	16
31/12/23 16:40	26.575	11.905	38.480	3.670			3.6	208	15
31/12/23 16:45	18.836	2.853	21.689	3.080			3.5	211	14
31/12/23 16:50	17.519	5.646	23.165	2.666			3.3	214	17
31/12/23 16:55	30.580	9.033	39.613	3.139			3.3	212	14
31/12/23 17:00	6.595	3.099	9.695	3.009			2.9	214	16
31/12/23 17:05	8.719	7.578	16.297	2.553			2.7	210	23
31/12/23 17:10	6.976	4.208	11.184	2.304			2.4	211	19
31/12/23 17:15	9.373	6.086	15.458	2.179			2.7	210	21
31/12/23 17:20	15.027	5.894	20.921	2.077			3.5	212	16
31/12/23 17:25	19.259	4.801	24.060	2.080			3.4	213	14
31/12/23 17:30	13.035	5.930	18.965	1.954			4.0	214	14
31/12/23 17:35	10.237	3.939	14.176	2.147			3.4	209	15
31/12/23 17:40	13.005	4.082	17.087	2.054			2.9	209	16
31/12/23 17:45	12.471	4.055	16.526	1.953			3.6	210	16
31/12/23 17:50	15.193	7.422	22.616	1.836			3.3	212	13
31/12/23 17:55	9.336	4.347	13.683	1.824			2.9	211	16
31/12/23 18:00	6.003	3.805	9.808	1.720			3.3	209	17
31/12/23 18:05	12.400	4.946	17.347	1.542			3.1	212	17
31/12/23 18:10	13.144	2.130	15.274	1.535			3.6	211	13
31/12/23 18:15	7.747	3.471	11.218	1.535			2.7	211	18
31/12/23 18:20	2.697	1.557	4.254	1.529			3.0	209	18
31/12/23 18:25	17.169	10.668	27.837	1.491			3.3	211	15
31/12/23 18:30	4.311	2.166	6.477	1.447			3.1	210	16
31/12/23 18:35	3.743	1.875	5.618	1.401			3.0	210	19
31/12/23 18:40	3.911	2.062	5.973	1.275			2.9	208	17
31/12/23 18:45	3.715	2.778	6.493	1.157			2.7	212	21
31/12/23 18:50	2.426	2.445	4.871	1.049			2.3	201	20
31/12/23 18:55	1.395	2.471	3.866	0.941			2.0	206	29
31/12/23 19:00	3.187	2.639	5.826	0.926			2.6	210	21
31/12/23 19:05	14.345	2.523	16.868	0.997			2.4	202	20
31/12/23 19:10	2.144	2.069	4.213	0.968			1.8	192	27
31/12/23 19:15	0.989	1.022	2.011	0.929			1.8	197	26
31/12/23 19:20	0.665	0.956	1.620	0.699			1.7	196	33
31/12/23 19:25	0.757	0.984	1.741	0.583			1.9	196	22
31/12/23 19:30	1.029	1.206	2.235	0.545			2.1	155	34
31/12/23 19:35	0.629	0.842	1.471	0.542			1.8	158	39
31/12/23 19:40	0.471	0.837	1.308	0.492			1.7	153	35
31/12/23 19:45	0.408	0.870	1.278	0.493			1.6	158	38
31/12/23 19:50	0.300	0.913	1.213	0.517			1.4	160	37
31/12/23 19:55	0.145	0.888	1.034	0.487			1.6	153	33
31/12/23 20:00	0.144	0.924	1.068	0.419			2.2	143	26
31/12/23 20:05	0.126	0.826	0.951	0.426			2.0	149	28
31/12/23 20:10	0.200	0.850	1.050	0.412			1.4	156	35
31/12/23 20:15	0.301	0.877	1.178	0.462			1.8	164	28
31/12/23 20:20	0.298	0.930	1.229	0.369			2.3	149	18
31/12/23 20:25	0.290	0.922	1.211	0.379			2.2	147	21
31/12/23 20:30	0.148	0.897	1.045	0.306			1.5	159	35
31/12/23 20:35	0.011	0.826	0.837	0.197			2.1	156	20
31/12/23 20:40	0.014	0.878	0.892	0.021			1.8	153	26
31/12/23 20:45	0.036	0.862	0.898	-0.003			2.1	146	24
31/12/23 20:50	-0.041	0.940	0.899	-0.012			1.3	144	38
31/12/23 20:55	-0.048	0.978	0.930	0.151			2.4	150	22
31/12/23 21:00	-0.031	1.063	1.033	0.170			2.4	152	22
31/12/23 21:05	0.081	1.017	1.098	0.155			1.0	168	42
31/12/23 21:10	0.131	0.923	1.054	0.150			1.6	194	26
31/12/23 21:15	0.194	0.998	1.191	0.112			1.6	174	39
31/12/23 21:20	0.224	0.988	1.213	0.122			1.7	155	36
31/12/23 21:25	0.200	0.921	1.122	0.188			1.9	146	30
31/12/23 21:30	0.239	0.834	1.073	0.088			2.8	144	19
31/12/23 21:35	0.187	0.754	0.942	0.067			3.0	144	16
31/12/23 21:40	0.092	0.770	0.862	0.096			2.1	140	27
31/12/23 21:45	0.053	0.800	0.854	0.025			2.9	148	20
31/12/23 21:50	0.086	0.718	0.804	0.109			2.2	151	27
31/12/23 21:55	0.054	0.761	0.816	0.098			2.4	145	27
31/12/23 22:00	0.084	0.745	0.829	0.145			1.7	161	32

Station Pier Ambient Air Quality Monitoring
December 2023
5-Minute Data

Date/Time	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/12/23 22:05	0.141	0.726	0.867	0.215			1.4	176	38
31/12/23 22:10	0.102	0.663	0.765	0.154			2.1	154	29
31/12/23 22:15	0.049	0.628	0.677	0.027			2.3	148	25
31/12/23 22:20	0.004	0.637	0.640	-0.082			2.3	153	30
31/12/23 22:25	-0.022	0.657	0.635	-0.014			1.2	194	32
31/12/23 22:30	0.012	0.639	0.652	0.055			1.6	155	36
31/12/23 22:35	0.119	0.595	0.714	0.126			1.1	166	46
31/12/23 22:40	0.073	0.565	0.638	0.141			1.3	188	36
31/12/23 22:45	0.092	0.676	0.767	0.008			1.2	178	43
31/12/23 22:50	0.115	0.773	0.888	0.036			1.4	179	37
31/12/23 22:55	0.133	0.893	1.026	0.027			1.6	196	24
31/12/23 23:00	0.242	1.019	1.262	-0.038			1.5	203	29
31/12/23 23:05	0.389	1.010	1.399	-0.084			1.4	179	36
31/12/23 23:10	0.390	1.110	1.500	0.008			1.2	171	39
31/12/23 23:15	0.185	1.109	1.293	0.099			1.3	157	45
31/12/23 23:20	0.189	1.110	1.300	0.224			2.0	157	30
31/12/23 23:25	0.267	1.105	1.372	0.199			1.4	156	39
31/12/23 23:30	0.146	1.121	1.267	0.148			2.6	149	23
31/12/23 23:35	0.066	1.176	1.241	0.256			2.4	149	27
31/12/23 23:40	0.047	1.080	1.128	0.090			1.6	150	38
31/12/23 23:45	0.057	0.979	1.035	0.048			1.5	153	35
31/12/23 23:50	0.085	1.033	1.118				1.0	174	47
31/12/23 23:55	0.141	1.117	1.259				1.1	159	42
01/01/24 00:00	0.104	1.241	1.345				1.1	172	42

Station Pier Ambient Air Quality Monitoring
December 2023
1-Hour Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
01/12/23 01:00											
01/12/23 02:00											
01/12/23 03:00											
01/12/23 04:00											
01/12/23 05:00											
01/12/23 06:00											
01/12/23 07:00											
01/12/23 08:00											
01/12/23 09:00											
01/12/23 10:00											
01/12/23 11:00											
01/12/23 12:00											
01/12/23 13:00											
01/12/23 14:00											
01/12/23 15:00											
01/12/23 16:00											
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02/12/23 10:00											
02/12/23 11:00											
02/12/23 12:00											
02/12/23 13:00											
02/12/23 14:00											
02/12/23 15:00											
02/12/23 16:00											
02/12/23 17:00											
02/12/23 18:00											
02/12/23 19:00											
02/12/23 20:00											
02/12/23 21:00											
02/12/23 22:00											

Station Pier Ambient Air Quality Monitoring
December 2023
1-Hour Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
02/12/23 23:00											
03/12/23 00:00											
03/12/23 01:00											
03/12/23 02:00											
03/12/23 03:00											
03/12/23 04:00											
03/12/23 05:00											
03/12/23 06:00											
03/12/23 07:00											
03/12/23 08:00											
03/12/23 09:00											
03/12/23 10:00											
03/12/23 11:00											
03/12/23 12:00											
03/12/23 13:00											
03/12/23 14:00											
03/12/23 15:00											
03/12/23 16:00											
03/12/23 17:00											
03/12/23 18:00											
03/12/23 19:00											
03/12/23 20:00											
03/12/23 21:00											
03/12/23 22:00											
03/12/23 23:00											
04/12/23 00:00											
04/12/23 01:00											
04/12/23 02:00											
04/12/23 03:00											
04/12/23 04:00											
04/12/23 05:00											
04/12/23 06:00											
04/12/23 07:00											
04/12/23 08:00											
04/12/23 09:00											
04/12/23 10:00											
04/12/23 11:00											
04/12/23 12:00											
04/12/23 13:00											
04/12/23 14:00											
04/12/23 15:00									1.6	324	34
04/12/23 16:00									1.7	320	33
04/12/23 17:00						0.1			1.2	316	37
04/12/23 18:00						0.2			1.9	318	32
04/12/23 19:00						0.3			1.3	2	38
04/12/23 20:00						0.2			0.9	276	28

Station Pier Ambient Air Quality Monitoring
December 2023
1-Hour Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
04/12/23 21:00			0.2	4.2	4.5	0.3			1.5	251	18
04/12/23 22:00			0.2	14.4	14.6	0.5			2.5	255	13
04/12/23 23:00			0.1	15.2	15.4	0.6			2.5	264	12
05/12/23 00:00			0.2	16.2	16.4	0.7			0.7	288	25
05/12/23 01:00			0.8	20.5	21.3	0.8			0.2	328	30
05/12/23 02:00									1.4	231	9
05/12/23 03:00			0.0	2.0	2.1	0.6			1.9	231	9
05/12/23 04:00			0.1	2.7	2.8	0.4			1.4	231	12
05/12/23 05:00			0.1	2.6	2.7	0.2			1.4	230	15
05/12/23 06:00			3.7	15.1	18.8	0.2			1.0	257	21
05/12/23 07:00			16.0	25.9	41.8	0.8			1.1	256	16
05/12/23 08:00			4.1	8.1	12.2	0.9			1.1	227	16
05/12/23 09:00			3.4	5.6	9.0	0.8			1.3	223	16
05/12/23 10:00			2.4	5.5	7.9	0.5			1.3	213	22
05/12/23 11:00									1.4	208	23
05/12/23 12:00									1.1	190	26
05/12/23 13:00									1.2	198	26
05/12/23 14:00									1.2	186	24
05/12/23 15:00			30.1	16.6	46.7	0.6			2.3	217	17
05/12/23 16:00			30.3	18.6	48.9	0.9			1.9	211	20
05/12/23 17:00			14.8	8.5	23.3	0.9			2.7	208	19
05/12/23 18:00			11.1	7.8	18.8	0.8			2.3	207	20
05/12/23 19:00			4.9	3.8	8.7	1.0			2.6	210	19
05/12/23 20:00			3.0	3.2	6.2	0.8			1.9	205	24
05/12/23 21:00			0.5	1.1	1.6	0.2			1.3	193	30
05/12/23 22:00			1.0	2.0	3.0	0.1			1.8	205	22
05/12/23 23:00			4.3	3.9	8.1	0.1			2.0	207	19
06/12/23 00:00			1.1	1.6	2.7	0.2			1.7	204	23
06/12/23 01:00			0.1	1.4	1.5	0.3			1.5	202	23
06/12/23 02:00									1.4	220	21
06/12/23 03:00			3.3	9.1	12.4	0.4			1.9	256	17
06/12/23 04:00			7.0	11.4	18.4	0.9			1.8	254	16
06/12/23 05:00			10.4	13.6	24.0	1.2			1.6	255	19
06/12/23 06:00			17.3	14.1	31.4	1.5			1.1	260	24
06/12/23 07:00			6.0	4.1	10.1	1.6			1.3	209	22
06/12/23 08:00			4.7	4.9	9.7	1.5			1.6	217	18
06/12/23 09:00			6.0	4.1	10.1	1.0			1.4	214	20
06/12/23 10:00			3.9	3.7	7.6	0.7			1.7	216	17
06/12/23 11:00			2.0	1.8	3.8	0.4			2.0	217	17
06/12/23 12:00			12.7	7.8	19.8	0.4			1.3	201	29
06/12/23 13:00			17.5	10.2	27.7	0.5			1.2	205	25
06/12/23 14:00			17.4	9.4	26.7	0.5			1.3	200	24
06/12/23 15:00			24.8	14.3	39.1	0.5			1.3	197	31
06/12/23 16:00			5.4	5.4	10.7	0.3			2.2	213	19
06/12/23 17:00			6.9	7.1	14.0	0.5			2.7	211	16
06/12/23 18:00			34.1	8.6	42.7	2.8			3.5	214	14

Station Pier Ambient Air Quality Monitoring
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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
06/12/23 19:00			3.3	6.4	9.7	0.9			3.7	213	13
06/12/23 20:00			1.5	4.1	5.6	0.6			2.4	210	20
06/12/23 21:00			0.2	1.9	2.0	0.4			1.7	191	21
06/12/23 22:00			0.1	1.6	1.7	0.4			1.0	152	29
06/12/23 23:00			0.0	3.0	3.0	0.3			1.3	150	25
07/12/23 00:00			0.1	3.5	3.5	0.2			1.1	185	26
07/12/23 01:00			0.0	2.9	2.9	0.1			1.3	140	26
07/12/23 02:00									1.0	139	27
07/12/23 03:00			0.0	2.1	2.1	0.1			1.3	108	16
07/12/23 04:00			0.1	3.0	3.0	0.1			1.3	98	15
07/12/23 05:00			0.6	10.6	11.1	0.1			1.0	101	16
07/12/23 06:00			1.4	11.3	12.7	0.1			1.2	109	18
07/12/23 07:00			3.0	5.5	8.6	0.2			1.1	132	25
07/12/23 08:00			0.5	2.8	3.4	0.2			1.3	153	27
07/12/23 09:00			1.1	3.1	4.2	0.2			0.7	147	32
07/12/23 10:00			3.8	5.3	9.1	0.2			1.3	216	21
07/12/23 11:00			4.3	6.0	10.3	0.4			1.4	215	21
07/12/23 12:00			2.1	3.7	5.7	0.3			2.0	222	13
07/12/23 13:00			1.9	4.4	6.3	0.2			2.0	222	12
07/12/23 14:00			1.6	4.2	5.8	0.0			1.8	224	11
07/12/23 15:00			2.5	5.4	7.9	0.1			1.0	171	33
07/12/23 16:00			1.2	4.4	5.7	0.0			1.2	201	27
07/12/23 17:00			2.0	5.7	7.7	0.2			1.3	201	27
07/12/23 18:00			0.6	2.0	2.5	0.0			1.7	147	29
07/12/23 19:00			1.0	6.2	7.2	0.0			0.7	190	44
07/12/23 20:00			0.7	13.1	13.8	0.0			0.2	159	34
07/12/23 21:00			41.2	37.9	79.2	0.3			0.5	340	41
07/12/23 22:00			1.2	13.8	15.0	0.4			1.3	16	28
07/12/23 23:00			1.6	22.6	24.2	0.5			1.0	328	31
08/12/23 00:00			6.5	29.9	36.4	1.7			0.9	319	30
08/12/23 01:00			3.1	25.0	28.1	1.8			0.7	328	38
08/12/23 02:00									1.1	3	34
08/12/23 03:00			0.2	8.6	8.7	0.4			1.6	15	29
08/12/23 04:00			0.3	10.2	10.5	0.2			1.4	26	29
08/12/23 05:00			0.3	8.9	9.1	0.3			2.0	30	25
08/12/23 06:00			0.9	16.5	17.4	0.1			1.8	20	30
08/12/23 07:00			4.8	20.4	25.2	0.2			1.8	17	29
08/12/23 08:00			8.4	22.2	30.6	0.3			2.2	55	31
08/12/23 09:00			12.9	21.0	33.9	0.2			2.2	60	28
08/12/23 10:00			7.1	14.7	21.8	0.3			2.8	47	31
08/12/23 11:00			3.3	8.7	12.1	0.1			3.5	29	33
08/12/23 12:00			2.7	7.4	10.1	0.1			4.2	11	36
08/12/23 13:00			2.7	8.3	11.1	0.1			4.0	17	32
08/12/23 14:00			2.6	9.6	12.2	0.1			3.0	358	41
08/12/23 15:00			1.5	8.9	10.3	0.0			3.6	334	39
08/12/23 16:00			1.1	11.1	12.2	0.1			2.8	359	41

Station Pier Ambient Air Quality Monitoring
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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
08/12/23 17:00			1.5	11.0	12.5	0.1			2.5	12	39
08/12/23 18:00			1.1	12.0	13.1	0.2			2.3	1	39
08/12/23 19:00			0.5	11.0	11.5	0.2			1.7	342	40
08/12/23 20:00			0.6	9.4	10.0	0.5			2.4	234	15
08/12/23 21:00			0.2	4.5	4.7	0.2			1.3	222	24
08/12/23 22:00			0.2	6.8	7.0	0.1			1.7	109	18
08/12/23 23:00			0.4	8.6	9.0	0.1			1.7	204	26
09/12/23 00:00			0.3	3.2	3.5	0.1			2.7	227	10
09/12/23 01:00			0.0	2.5	2.6	0.2			2.6	230	9
09/12/23 02:00									0.6	179	21
09/12/23 03:00			0.0	3.7	3.8	0.3			1.5	58	22
09/12/23 04:00			0.2	12.2	12.5	0.3			0.8	327	33
09/12/23 05:00			0.7	21.5	22.3	0.5			0.2	41	50
09/12/23 06:00			11.1	20.7	31.8	0.6			0.4	264	23
09/12/23 07:00			5.1	23.4	28.5	0.8			1.8	255	17
09/12/23 08:00			1.2	4.6	5.8	0.8			1.6	230	16
09/12/23 09:00			0.6	2.4	3.0	0.6			1.9	231	14
09/12/23 10:00			4.5	4.4	8.9	0.5			2.9	223	10
09/12/23 11:00			2.7	2.9	5.6	0.6			2.9	222	11
09/12/23 12:00			2.4	4.4	6.8	0.5			2.9	220	12
09/12/23 13:00			17.6	9.4	27.0	0.6			2.9	214	17
09/12/23 14:00			6.8	4.2	11.0	0.6			2.4	215	20
09/12/23 15:00			4.1	3.2	7.3	0.5			2.1	210	22
09/12/23 16:00			2.3	2.7	5.0	0.5			1.7	198	26
09/12/23 17:00			0.9	1.2	2.1	0.5			1.5	165	34
09/12/23 18:00			2.9	3.0	5.9	0.4			1.5	181	31
09/12/23 19:00			0.4	1.1	1.5	0.5			2.3	160	32
09/12/23 20:00			0.2	1.2	1.4	0.3			3.2	151	20
09/12/23 21:00			1.7	1.9	3.7	0.3			2.1	175	31
09/12/23 22:00			0.9	0.7	1.6	0.4			2.8	157	26
09/12/23 23:00			2.6	1.7	4.3	0.4			1.7	170	33
10/12/23 00:00			3.6	2.4	6.0	0.4			1.5	188	34
10/12/23 01:00			7.4	2.9	9.9	0.4			2.0	201	27
10/12/23 02:00									1.6	175	30
10/12/23 03:00			8.2	3.7	11.9	0.4			2.1	190	27
10/12/23 04:00			10.8	4.2	13.8	0.3			2.2	198	25
10/12/23 05:00			2.5	2.1	4.7	0.3			2.1	170	31
10/12/23 06:00			2.6	3.7	6.3	0.3			1.9	158	31
10/12/23 07:00			0.6	1.5	2.1	0.3			2.1	153	27
10/12/23 08:00			6.5	4.5	11.0	0.3			1.4	186	29
10/12/23 09:00			8.3	6.8	15.1	0.4			1.5	200	24
10/12/23 10:00			2.7	3.4	6.1	0.3			1.4	203	21
10/12/23 11:00			1.3	2.4	3.7	0.5			1.1	211	24
10/12/23 12:00			0.6	1.6	2.2	0.4			1.9	223	13
10/12/23 13:00			0.6	1.7	2.2	0.5			2.2	231	10
10/12/23 14:00			0.4	1.7	2.1	0.7			2.1	227	11

Station Pier Ambient Air Quality Monitoring
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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
10/12/23 15:00			0.6	2.0	2.6	0.6			2.3	230	11
10/12/23 16:00			3.4	3.9	7.3	0.4			3.0	224	11
10/12/23 17:00			1.1	2.9	4.0	0.4			2.5	223	12
10/12/23 18:00			1.0	4.2	5.2	0.3			1.9	222	14
10/12/23 19:00			1.8	2.0	3.8	0.4			2.1	216	17
10/12/23 20:00			4.9	2.7	7.6	0.3			2.2	213	21
10/12/23 21:00			9.9	5.4	14.5	0.3			2.5	214	19
10/12/23 22:00			1.7	2.8	4.5	0.3			1.6	192	33
10/12/23 23:00			1.4	1.5	2.9	0.2			1.5	172	37
11/12/23 00:00			0.9	1.1	2.0	0.3			1.9	162	33
11/12/23 01:00			0.2	1.3	1.5	0.1			1.2	168	32
11/12/23 02:00									1.7	203	24
11/12/23 03:00			0.2	1.2	1.4	0.0			1.3	175	30
11/12/23 04:00			5.9	5.0	10.9	0.1			3.4	225	10
11/12/23 05:00			20.2	5.0	25.2	0.1			3.5	218	12
11/12/23 06:00			2.5	2.3	4.8	0.1			1.6	170	30
11/12/23 07:00			3.4	4.6	8.0	0.1			1.2	175	26
11/12/23 08:00			4.8	7.6	12.4	0.0			0.9	190	28
11/12/23 09:00			2.1	5.6	7.7	0.0			0.7	195	29
11/12/23 10:00			1.8	5.0	6.8	0.1			1.5	175	21
11/12/23 11:00			3.8	4.8	8.6	0.1			1.7	215	17
11/12/23 12:00			0.8	2.1	3.0	0.0			1.7	242	16
11/12/23 13:00			2.7	3.1	5.5	0.0			3.1	228	12
11/12/23 14:00			4.2	4.6	8.8	0.0			2.5	222	14
11/12/23 15:00			1.6	2.5	4.1	0.0			1.5	217	18
11/12/23 16:00			0.8	2.3	3.1	0.0			1.3	187	19
11/12/23 17:00			5.0	4.9	9.9	0.0			1.5	242	20
11/12/23 18:00			6.7	6.7	13.4	0.1			2.3	223	14
11/12/23 19:00			41.5	12.3	53.9	0.2			1.9	229	17
11/12/23 20:00			2.5	9.6	12.1	0.1			1.2	236	22
11/12/23 21:00			2.6	9.9	12.5	-0.1			1.0	265	20
11/12/23 22:00			8.5	15.1	23.6	0.0			1.5	285	15
11/12/23 23:00			5.2	9.9	15.1	0.2			2.3	256	14
12/12/23 00:00			6.0	9.1	15.1	0.3			1.9	256	16
12/12/23 01:00			4.6	11.8	16.4	0.8			1.8	257	17
12/12/23 02:00									1.5	214	18
12/12/23 03:00			3.0	5.8	8.8	0.6			0.6	120	29
12/12/23 04:00			20.4	14.6	35.0	0.7			0.6	33	25
12/12/23 05:00			16.7	14.1	30.9	0.8			0.7	62	21
12/12/23 06:00			30.2	14.1	44.3	0.9			0.5	329	24
12/12/23 07:00			25.3	14.8	40.1	0.8			0.8	294	20
12/12/23 08:00									0.4	249	24
12/12/23 09:00									0.5	218	29
12/12/23 10:00									1.0	214	18
12/12/23 11:00			32.0	15.7	47.7	1.2			1.4	223	15
12/12/23 12:00			22.5	14.9	37.5	1.3			1.4	213	18

Station Pier Ambient Air Quality Monitoring
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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/12/23 13:00			8.7	11.5	20.2	0.9			1.7	227	12
12/12/23 14:00			8.0	11.9	19.8	0.7			1.2	232	16
12/12/23 15:00			14.0	15.1	29.1	0.6			0.9	208	30
12/12/23 16:00			13.5	18.9	32.4	0.8			1.2	186	30
12/12/23 17:00			3.1	8.1	11.1	0.7			2.4	138	17
12/12/23 18:00			1.0	4.7	5.7	0.3			2.8	123	12
12/12/23 19:00			0.4	5.3	5.7	0.2			2.5	121	14
12/12/23 20:00			0.3	6.6	6.9	0.3			2.0	120	11
12/12/23 21:00			0.2	7.5	7.7	0.2			0.3	136	36
12/12/23 22:00			0.3	7.7	8.0	0.2			0.5	128	28
12/12/23 23:00			0.5	8.3	8.9	0.3			0.5	79	40
13/12/23 00:00			0.2	12.3	12.4	0.3			1.1	63	32
13/12/23 01:00			0.1	9.6	9.8	0.2			0.1	191	43
13/12/23 02:00									0.2	348	30
13/12/23 03:00			0.7	14.9	15.6	0.3			0.1	287	26
13/12/23 04:00			10.2	18.7	28.9	0.3			0.0	74	19
13/12/23 05:00			5.8	18.8	24.6	0.5			0.2	239	33
13/12/23 06:00			15.1	16.4	31.4	0.7			0.5	265	27
13/12/23 07:00			56.3	19.7	73.5	1.0			0.4	159	22
13/12/23 08:00			31.7	14.3	46.0	0.9			0.5	198	27
13/12/23 09:00			62.1	20.7	82.9	1.0			0.5	102	39
13/12/23 10:00			26.3	27.3	53.6	1.0			1.1	35	40
13/12/23 11:00			9.7	22.6	32.2	0.8			1.1	19	32
13/12/23 12:00			2.7	15.2	17.9	0.7			1.3	23	38
13/12/23 13:00			3.0	15.2	18.2	0.5			1.6	357	41
13/12/23 14:00			2.4	12.0	14.4	0.3			2.6	24	31
13/12/23 15:00			2.0	11.4	13.4	0.3			2.9	45	27
13/12/23 16:00			1.5	7.4	8.9	0.2			2.8	22	33
13/12/23 17:00			1.2	10.9	12.1	0.4			1.9	333	37
13/12/23 18:00			1.3	7.4	8.7	0.4			2.7	302	33
13/12/23 19:00			0.3	3.7	4.0	0.3			2.7	250	16
13/12/23 20:00			0.1	5.0	5.1	0.2			1.9	231	12
13/12/23 21:00			-0.1	3.9	3.9	0.1			1.9	246	17
13/12/23 22:00			0.0	1.6	1.6	0.1			2.6	241	14
13/12/23 23:00			0.3	2.0	2.3	0.2			1.9	251	17
14/12/23 00:00			0.2	3.4	3.6	0.3			2.0	264	17
14/12/23 01:00			0.2	7.4	7.6	0.1			0.4	333	37
14/12/23 02:00									0.5	50	19
14/12/23 03:00			2.7	17.6	20.4	0.2			0.4	22	32
14/12/23 04:00			10.7	18.7	29.4	0.3			0.6	316	35
14/12/23 05:00			3.3	15.2	18.5	0.3			1.6	305	27
14/12/23 06:00			8.7	17.9	26.6	0.5			3.2	266	14
14/12/23 07:00			4.8	10.2	15.0	0.4			3.8	267	14
14/12/23 08:00			3.8	9.1	12.8	0.3			3.5	262	12
14/12/23 09:00			1.6	5.3	6.9	0.2			4.2	267	12
14/12/23 10:00			3.1	6.8	9.9	0.3			3.5	268	14

Station Pier Ambient Air Quality Monitoring
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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
14/12/23 11:00			2.2	4.3	6.6	0.2			2.8	262	12
14/12/23 12:00			1.6	4.1	5.8	0.1			4.0	265	11
14/12/23 13:00			2.0	3.4	5.4	0.1			4.1	266	12
14/12/23 14:00			1.4	3.1	4.4	-0.1			4.4	263	11
14/12/23 15:00			1.7	3.4	5.1	0.0			4.4	261	10
14/12/23 16:00			1.6	5.3	6.9	0.0			4.2	260	10
14/12/23 17:00			1.8	4.9	6.7	0.1			4.8	262	9
14/12/23 18:00			1.9	5.6	7.5	0.1			4.2	261	11
14/12/23 19:00			0.6	1.9	2.5	0.1			2.2	241	14
14/12/23 20:00			0.1	1.3	1.4	0.1			2.8	218	14
14/12/23 21:00			-0.1	1.0	0.9	0.0			2.6	217	15
14/12/23 22:00			0.2	2.4	2.6	0.0			2.3	248	17
14/12/23 23:00			1.4	8.8	10.2	0.1			2.0	259	15
15/12/23 00:00			1.5	6.9	8.4	0.1			1.8	254	16
15/12/23 01:00			0.2	1.4	1.6	0.2			1.7	246	19
15/12/23 02:00									2.0	243	18
15/12/23 03:00			0.2	1.5	1.7	0.1			2.1	251	17
15/12/23 04:00			0.9	4.6	5.5	0.3			2.2	266	16
15/12/23 05:00			1.4	8.3	9.7	0.3			2.3	264	16
15/12/23 06:00			8.4	11.5	19.9	0.4			2.2	263	15
15/12/23 07:00			9.2	8.2	17.5	0.5			2.9	264	12
15/12/23 08:00			5.0	4.7	9.8	0.7			2.7	267	13
15/12/23 09:00			4.0	4.0	7.9	0.5			1.7	265	19
15/12/23 10:00			3.9	4.2	8.1	0.5			1.7	257	18
15/12/23 11:00			17.7	9.2	26.8	0.6			1.8	220	17
15/12/23 12:00			6.0	5.3	11.3	0.6			1.3	204	24
15/12/23 13:00			1.4	1.4	2.8	0.4			1.7	154	24
15/12/23 14:00			1.3	1.5	2.8	0.3			1.4	145	25
15/12/23 15:00			1.0	1.4	2.4	0.3			1.4	146	25
15/12/23 16:00			8.4	6.0	14.4	0.2			1.5	209	27
15/12/23 17:00			4.5	3.4	7.8	0.7			2.5	210	20
15/12/23 18:00			10.5	11.1	21.6	0.6			2.8	211	16
15/12/23 19:00			13.3	12.9	26.2	1.0			2.8	211	16
15/12/23 20:00			7.2	6.2	13.4	0.6			3.2	211	16
15/12/23 21:00			0.1	1.5	1.6	0.2			2.7	209	18
15/12/23 22:00			0.1	0.7	0.8	0.0			1.4	191	32
15/12/23 23:00			0.1	0.4	0.6	-0.1			1.3	178	30
16/12/23 00:00			-0.1	1.7	1.6	-0.1			1.2	141	27
16/12/23 01:00			0.6	5.0	5.6	0.0			2.2	248	16
16/12/23 02:00									2.6	252	15
16/12/23 03:00			1.0	4.0	5.0	0.1			2.5	255	15
16/12/23 04:00			0.9	5.4	6.3	0.2			3.8	264	11
16/12/23 05:00			0.5	5.5	5.9	0.2			2.9	268	17
16/12/23 06:00			7.3	16.2	23.4	0.5			1.9	296	23
16/12/23 07:00			6.2	9.7	15.9	0.6			2.2	287	24
16/12/23 08:00			4.7	5.0	9.7	0.5			3.5	270	17

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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
16/12/23 09:00			2.0	2.8	4.8	0.2			4.5	267	13
16/12/23 10:00			1.4	2.1	3.5	0.1			3.9	264	13
16/12/23 11:00			1.2	2.1	3.3	0.2			3.6	262	14
16/12/23 12:00			1.1	2.6	3.7	0.1			3.4	258	12
16/12/23 13:00			1.0	1.9	2.9	0.1			3.4	264	15
16/12/23 14:00			1.2	2.1	3.3	0.1			3.9	263	13
16/12/23 15:00			1.3	2.4	3.6	0.1			4.0	259	11
16/12/23 16:00			8.0	6.3	14.2	0.2			2.3	229	15
16/12/23 17:00			4.6	4.9	9.6	0.2			2.0	206	24
16/12/23 18:00			0.2	1.1	1.3	0.2			1.4	181	37
16/12/23 19:00			0.1	0.6	0.7	0.0			1.5	173	36
16/12/23 20:00			0.1	1.4	1.5	0.0			1.2	176	37
16/12/23 21:00			0.1	1.6	1.7	0.0			1.4	198	29
16/12/23 22:00			0.1	0.8	0.9	0.0			1.5	202	26
16/12/23 23:00			0.1	1.6	1.7	-0.1			1.2	219	20
17/12/23 00:00			0.7	5.5	6.2	0.3			2.1	255	15
17/12/23 01:00			1.9	9.1	11.0				2.3	260	15
17/12/23 02:00									2.8	258	15
17/12/23 03:00			1.8	9.1	10.9	0.3			2.1	266	19
17/12/23 04:00			1.4	6.5	7.9	0.4			1.6	284	16
17/12/23 05:00			0.8	9.7	10.5	0.2			1.3	326	17
17/12/23 06:00			3.1	11.6	14.8	0.2			1.0	336	23
17/12/23 07:00			9.3	10.1	19.4	0.3			1.3	285	20
17/12/23 08:00			5.3	6.6	12.0	0.5			1.0	257	25
17/12/23 09:00			5.6	5.4	11.0	0.5			1.0	218	22
17/12/23 10:00			5.6	5.2	10.7	0.3			1.1	197	28
17/12/23 11:00			1.4	2.1	3.5	0.5			1.2	186	29
17/12/23 12:00			13.4	8.9	22.4	0.6			1.3	214	20
17/12/23 13:00			17.9	12.9	30.8	0.7			1.9	203	23
17/12/23 14:00			18.3	13.2	31.5	1.1			1.6	203	29
17/12/23 15:00			9.5	9.9	19.5	1.1			1.4	193	31
17/12/23 16:00			2.0	3.8	5.8	0.6			1.8	154	29
17/12/23 17:00			9.1	10.2	19.3	0.4			1.7	199	28
17/12/23 18:00			17.1	11.1	28.1	0.7			2.6	214	15
17/12/23 19:00			1.5	3.7	5.1	0.5			2.1	160	26
17/12/23 20:00			0.6	3.6	4.2	0.5			1.6	173	29
17/12/23 21:00			3.4	4.4	7.8	0.5			1.5	184	32
17/12/23 22:00			0.1	2.2	2.3	0.4			1.0	169	31
17/12/23 23:00			0.1	3.3	3.4	0.5			0.7	193	28
18/12/23 00:00			0.3	5.2	5.4	0.4			0.8	230	21
18/12/23 01:00			2.7	14.6	17.3	0.2			1.6	312	17
18/12/23 02:00									1.2	314	20
18/12/23 03:00			4.5	17.6	22.1	0.4			0.8	52	28
18/12/23 04:00			1.1	11.8	13.0	0.6			0.7	0	33
18/12/23 05:00			1.1	14.4	15.5	0.6			0.3	331	27
18/12/23 06:00			12.5	17.9	30.4	0.6			0.3	17	17

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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
18/12/23 07:00			17.0	17.8	34.8	0.8			0.2	103	20
18/12/23 08:00			39.7	23.8	63.5	1.3			1.0	39	26
18/12/23 09:00			26.1	25.5	51.5	1.4			1.5	39	29
18/12/23 10:00			8.1	17.2	25.4	0.8			1.6	31	31
18/12/23 11:00			4.8	14.7	19.5	0.7			2.4	51	27
18/12/23 12:00			5.2	16.2	21.4	0.7			1.6	24	31
18/12/23 13:00			5.8	17.2	23.0	0.7			1.8	17	32
18/12/23 14:00			3.6	17.5	21.1	0.7			1.8	42	26
18/12/23 15:00			3.8	17.3	21.1	0.7			2.1	63	22
18/12/23 16:00			3.3	14.3	17.6	0.7			2.1	78	23
18/12/23 17:00			4.2	21.8	26.1	0.9			0.4	258	29
18/12/23 18:00			13.6	34.1	47.6	1.4			1.1	95	18
18/12/23 19:00			11.7	31.0	42.7	0.9			0.1	140	26
18/12/23 20:00			2.8	10.3	13.1	0.9			2.6	239	14
18/12/23 21:00			0.1	4.8	4.9	0.5			1.9	224	19
18/12/23 22:00			0.1	4.0	4.1	0.4			0.5	198	23
18/12/23 23:00			0.3	6.9	7.2	0.5			0.6	348	26
19/12/23 00:00			0.4	13.4	13.8	0.6			0.4	18	25
19/12/23 01:00			0.1	12.2	12.3				0.5	292	26
19/12/23 02:00									2.5	221	15
19/12/23 03:00			0.0	1.1	1.1	0.2			3.5	220	11
19/12/23 04:00			0.0	1.2	1.2	0.1			3.6	221	11
19/12/23 05:00			0.3	1.2	1.5	0.1			3.8	215	12
19/12/23 06:00			50.4	8.9	59.3	0.2			3.5	220	10
19/12/23 07:00			166.6	28.8	195.5	1.5			3.1	206	14
19/12/23 08:00			116.6	17.1	133.8	1.3			2.3	215	17
19/12/23 09:00			83.2	11.2	94.5	0.8			3.0	221	15
19/12/23 10:00			120.6	17.9	135.8	1.9			3.3	207	14
19/12/23 11:00			46.7	7.9	54.6	1.5			3.5	210	13
19/12/23 12:00			30.4	9.1	39.5	1.2			2.9	209	15
19/12/23 13:00			3.8	3.5	7.3	0.6			3.1	209	17
19/12/23 14:00			2.7	2.5	5.3	0.5			3.2	212	18
19/12/23 15:00			2.9	1.6	4.2	0.4			3.2	211	18
19/12/23 16:00			5.5	3.3	8.8	0.3			3.8	212	15
19/12/23 17:00			1.0	1.5	2.5	0.2			3.8	210	16
19/12/23 18:00			0.3	0.9	1.2	0.1			3.7	210	15
19/12/23 19:00			0.1	0.5	0.6	0.1			4.3	213	13
19/12/23 20:00			0.1	0.7	0.7	0.1			4.3	212	13
19/12/23 21:00			0.1	0.5	0.6	0.1			4.3	215	13
19/12/23 22:00			0.1	0.9	1.0	0.1			3.1	209	16
19/12/23 23:00			0.1	0.7	0.8	0.1			3.4	209	17
20/12/23 00:00			0.1	0.4	0.4	0.0			2.6	203	26
20/12/23 01:00			0.1	0.5	0.6	0.1			2.2	172	33
20/12/23 02:00									2.2	170	36
20/12/23 03:00			0.1	0.4	0.5	0.1			2.2	169	35
20/12/23 04:00			0.1	0.4	0.5	0.0			2.3	184	31

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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
20/12/23 05:00			0.0	0.5	0.6	0.1			2.3	190	30
20/12/23 06:00			4.8	4.2	9.0	0.1			1.5	165	42
20/12/23 07:00			4.3	4.0	8.3	0.1			2.2	143	25
20/12/23 08:00			4.1	4.1	8.2	0.3			2.0	149	28
20/12/23 09:00			14.1	6.2	20.3	0.2			1.4	191	31
20/12/23 10:00			16.8	9.6	26.4	0.3			2.9	215	14
20/12/23 11:00			44.5	17.4	61.9	1.6			2.9	217	13
20/12/23 12:00			66.2	16.3	82.5	3.7			3.1	215	15
20/12/23 13:00			92.6	19.3	111.9	6.9			3.1	213	17
20/12/23 14:00			12.0	7.5	19.5	1.5			3.4	214	15
20/12/23 15:00			64.0	16.5	80.5	3.5			4.0	211	14
20/12/23 16:00	17	33	71.9	17.8	89.7	5.6			4.6	213	13
20/12/23 17:00	15	34	4.4	3.0	7.5	1.5			4.6	211	15
20/12/23 18:00	9	35	0.2	0.6	0.8	0.7			4.5	211	16
20/12/23 19:00	7	36	0.1	1.0	1.2	0.5			2.6	168	29
20/12/23 20:00	5	31	0.1	1.5	1.6	0.5			2.8	154	29
20/12/23 21:00	7	25	0.1	1.4	1.5	0.4			3.7	152	19
20/12/23 22:00	5	18	0.0	1.4	1.4	0.4			3.2	153	24
20/12/23 23:00	8	24	0.1	1.1	1.3	0.3			3.9	152	18
21/12/23 00:00	6	15	0.2	0.9	1.1	0.3			2.5	154	27
21/12/23 01:00	4	17	0.1	1.2	1.3	0.1			2.1	152	29
21/12/23 02:00	5	17							2.4	156	27
21/12/23 03:00	4	15	0.1	2.3	2.5	0.2			1.7	128	31
21/12/23 04:00	5	34	0.2	3.3	3.5	0.2			1.5	123	34
21/12/23 05:00	4	31	0.2	5.4	5.6	0.2			1.9	118	20
21/12/23 06:00	5	58	3.1	6.9	10.0	0.3			2.5	123	13
21/12/23 07:00	6	54	6.2	4.7	10.9	0.4			2.6	119	16
21/12/23 08:00	9	59	5.8	3.9	9.7	0.4			2.9	121	15
21/12/23 09:00	7	68	3.1	3.3	6.4	0.4			2.0	122	28
21/12/23 10:00	7	68	2.1	2.0	4.1	0.3			2.0	131	30
21/12/23 11:00	5	42	2.2	1.8	4.0	0.2			2.1	133	30
21/12/23 12:00	4	25	1.3	1.4	2.7	0.2			2.2	142	28
21/12/23 13:00	8	28	1.0	2.0	3.0	0.1			2.9	151	23
21/12/23 14:00	6	22	1.0	1.9	2.9	0.3			2.9	150	24
21/12/23 15:00	3	28	2.8	1.6	4.2	0.2			3.2	151	22
21/12/23 16:00	3	20	0.5	1.5	2.1	0.1			2.9	148	25
21/12/23 17:00	4	21	0.7	1.6	2.3	0.0			2.6	149	29
21/12/23 18:00	5	26	0.5	1.4	1.8	0.0			2.4	143	33
21/12/23 19:00	6	39	0.4	1.3	1.6	0.0			3.5	122	19
21/12/23 20:00	7	70	0.1	1.4	1.5	0.0			3.6	122	17
21/12/23 21:00	11	58	0.1	1.6	1.7	0.0			3.0	122	19
21/12/23 22:00	8	57	0.1	1.7	1.7	0.0			2.0	126	30
21/12/23 23:00	5	42	0.1	1.5	1.5	0.0			2.4	125	21
22/12/23 00:00	7	48	0.0	1.4	1.4	0.0			2.5	120	16
22/12/23 01:00	10	64	0.2	1.0	1.2	0.0			2.8	114	14
22/12/23 02:00	7	53							2.1	120	20

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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
22/12/23 03:00	5	38	0.0	2.8	2.8	0.2			1.2	145	41
22/12/23 04:00	3	19	0.0	4.3	4.4	0.2			1.8	126	31
22/12/23 05:00	7	30	0.1	3.9	4.0	0.2			2.2	120	17
22/12/23 06:00	5	48	2.4	4.9	6.5	0.2			2.4	119	15
22/12/23 07:00	6	56	2.7	4.1	6.8	0.3			2.6	119	14
22/12/23 08:00	6	54	6.1	6.2	12.3	0.3			2.1	126	24
22/12/23 09:00	3	32	3.0	2.3	5.3	0.1			2.1	150	32
22/12/23 10:00	1	19	1.4	1.7	3.0	-0.1			2.0	140	27
22/12/23 11:00	6	32	1.6	2.3	3.6	0.1			2.2	152	24
22/12/23 12:00	4	15	2.6	3.6	6.3	0.1			1.8	193	26
22/12/23 13:00	6	25	2.6	3.2	5.9	0.3			3.5	215	14
22/12/23 14:00	6	31	9.2	10.7	19.9	0.4			2.9	220	13
22/12/23 15:00	9	27	13.6	10.7	24.3	0.6			3.0	222	12
22/12/23 16:00	7	25	2.4	2.4	4.8	0.4			3.7	213	17
22/12/23 17:00	4	38	1.7	1.3	3.0	0.1			2.6	203	26
22/12/23 18:00	9	50	0.3	0.9	1.2	0.0			2.1	174	37
22/12/23 19:00	9	25	0.1	0.9	1.0	0.1			2.6	150	35
22/12/23 20:00	7	23	0.1	1.1	1.3	0.0			3.6	147	23
22/12/23 21:00	6	18	0.7	1.8	2.5	0.0			3.0	154	21
22/12/23 22:00	6	14	0.3	3.1	3.4	0.1			2.0	134	34
22/12/23 23:00	6	26	0.1	3.9	4.0	0.2			2.6	122	25
23/12/23 00:00	4	33	0.0	3.3	3.3	0.2			1.7	154	36
23/12/23 01:00	2	17	0.1	4.3	4.4	0.3			1.4	143	38
23/12/23 02:00	5	19							2.0	123	18
23/12/23 03:00	4	38	0.2	3.2	3.4	0.3			1.9	117	16
23/12/23 04:00	3	34	0.1	3.4	3.5	0.4			1.9	112	16
23/12/23 05:00	2	19	0.1	2.9	3.1	0.5			1.7	110	16
23/12/23 06:00	5	22	0.5	3.4	3.9	0.7			1.7	111	15
23/12/23 07:00	6	27	6.1	4.2	9.5	0.8			1.7	113	16
23/12/23 08:00	5	16	5.1	4.1	8.7	0.8			0.9	116	28
23/12/23 09:00	6	18	2.7	3.4	6.1	0.8			0.7	195	35
23/12/23 10:00	5	18	1.6	2.8	4.4	0.7			1.0	227	22
23/12/23 11:00	5	10	1.2	2.5	3.8	0.6			1.6	229	13
23/12/23 12:00	4	13	3.5	3.0	6.5	0.7			2.4	228	10
23/12/23 13:00	5	19	0.8	2.2	3.0	0.8			2.5	230	10
23/12/23 14:00	7	22	5.3	4.2	9.6	0.9			3.0	226	12
23/12/23 15:00	8	19	3.7	3.9	7.6	0.8			3.1	212	17
23/12/23 16:00	7	19	3.2	4.6	7.8	0.7			3.5	213	15
23/12/23 17:00	9	24	1.0	1.6	2.6	0.5			3.3	215	16
23/12/23 18:00	9	33	0.3	1.0	1.3	0.4			2.1	201	29
23/12/23 19:00	6	35	0.2	0.8	1.0	0.4			2.0	198	27
23/12/23 20:00	8	36	0.1	0.9	0.9	0.3			1.9	204	25
23/12/23 21:00	7	39	0.2	1.0	1.1	0.3			1.7	196	28
23/12/23 22:00	6	31	0.5	1.0	1.6	0.3			1.5	178	30
23/12/23 23:00	5	25	0.0	1.6	1.6	0.3			1.7	152	25
24/12/23 00:00	6	17	0.2	2.4	2.5	0.4			1.4	153	29

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December 2023
1-Hour Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
24/12/23 01:00	5	11	0.2	2.7	2.9	0.2			1.2	148	31
24/12/23 02:00	3	16							1.1	146	29
24/12/23 03:00	6	16	0.0	5.2	5.2	0.1			0.8	150	35
24/12/23 04:00	6	12	-0.1	5.3	5.3	0.3			0.9	162	33
24/12/23 05:00	4	10	0.1	7.3	7.4	0.2			0.8	149	31
24/12/23 06:00	4	12	0.7	7.1	7.8	0.2			1.1	191	27
24/12/23 07:00	3	10	1.3	3.9	5.2	0.4			1.3	151	30
24/12/23 08:00	3	15	3.7	3.6	7.3	0.6			1.1	169	30
24/12/23 09:00	3	13	7.2	4.3	11.5	0.6			1.1	208	25
24/12/23 10:00	3	11	1.1	1.9	3.0	0.4			1.6	220	16
24/12/23 11:00	5	12	1.4	3.0	4.4	0.3			2.2	218	15
24/12/23 12:00	6	15	3.6	4.0	7.6	0.3			3.0	219	12
24/12/23 13:00	8	22	3.0	3.9	6.9	0.4			3.1	229	10
24/12/23 14:00	6	18	5.0	5.1	10.0	0.4			4.3	227	10
24/12/23 15:00	6	18	49.8	13.7	63.5	1.0			3.9	214	14
24/12/23 16:00	6	23	45.3	11.8	57.1	1.1			4.9	212	12
24/12/23 17:00	6	24	42.8	11.1	53.9	1.2			5.5	212	13
24/12/23 18:00	8	26	1.2	1.6	2.8	0.6			5.5	211	15
24/12/23 19:00	8	39	0.1	0.6	0.8	0.3			2.6	195	30
24/12/23 20:00	6	41	0.0	0.9	1.0	0.1			2.4	161	31
24/12/23 21:00	5	25	0.1	1.6	1.7	0.0			2.0	159	33
24/12/23 22:00	4	37	0.1	1.1	1.2	0.0			3.0	147	28
24/12/23 23:00	3	48	0.0	1.4	1.5	0.0			3.2	149	23
25/12/23 00:00	3	14	0.0	3.5	3.5	0.0			3.4	124	16
25/12/23 01:00	4	28	-0.1	2.8	2.7	-0.1			2.2	122	25
25/12/23 02:00	5	38							2.1	110	14
25/12/23 03:00	7	44	0.1	1.9	2.0	-0.2			1.3	95	18
25/12/23 04:00	7	22	0.3	4.3	4.6	-0.1			0.8	284	32
25/12/23 05:00	2	12	1.9	10.9	12.8	0.1			1.7	256	17
25/12/23 06:00	3	11	0.1	2.8	2.9	0.1			1.2	160	31
25/12/23 07:00	3	9	0.3	3.7	4.0	0.0			1.1	132	26
25/12/23 08:00	2	10	0.1	2.6	2.7	-0.1			1.8	107	13
25/12/23 09:00	3	17	0.3	3.5	3.8	-0.1			1.3	103	16
25/12/23 10:00	5	19	0.8	3.6	4.3	-0.2			2.1	116	12
25/12/23 11:00	7	27	0.9	3.6	4.5	-0.1			2.4	107	14
25/12/23 12:00	6	22	1.3	5.0	6.3	-0.2			1.7	85	15
25/12/23 13:00	6	5	1.8	5.3	7.1	-0.2			2.2	104	15
25/12/23 14:00	6	8	0.7	3.3	4.0	-0.1			2.3	112	16
25/12/23 15:00	3	13	0.4	3.0	3.3	-0.2			3.3	140	20
25/12/23 16:00	2	10	0.4	3.2	3.7	-0.3			0.8	208	32
25/12/23 17:00	5	18	0.4	3.7	4.2	-0.2			0.7	173	27
25/12/23 18:00	4	13	0.3	3.1	3.4	-0.2			1.2	141	27
25/12/23 19:00	5	16	0.4	4.1	4.5	-0.1			1.6	117	21
25/12/23 20:00	5	26	0.2	2.0	2.1	-0.2			2.8	123	14
25/12/23 21:00	7	28	0.0	2.1	2.1	-0.1			2.1	123	20
25/12/23 22:00	9	30	0.0	3.3	3.3	-0.1			2.3	116	22

Station Pier Ambient Air Quality Monitoring
December 2023
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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
25/12/23 23:00	9	33	-0.1	2.4	2.3	-0.2			2.0	119	25
26/12/23 00:00	7	32	0.0	3.0	2.9	-0.3			1.8	130	28
26/12/23 01:00	5	31	0.1	2.3	2.5	-0.3			2.3	138	25
26/12/23 02:00	5	36							1.8	129	25
26/12/23 03:00	9	21	0.1	2.3	2.3	-0.1			2.7	152	20
26/12/23 04:00	7	9	0.1	0.9	1.0	0.0			2.1	149	26
26/12/23 05:00	3	13	0.0	1.9	1.9	0.0			1.9	119	17
26/12/23 06:00	2	35	0.1	3.0	3.2	0.0			1.6	126	27
26/12/23 07:00	6	20	1.7	3.6	5.3	-0.1			1.2	129	27
26/12/23 08:00	8	27	4.1	3.4	7.5	0.0			2.1	152	23
26/12/23 09:00	5	3	1.2	1.6	2.8	0.1			1.5	144	34
26/12/23 10:00	3	13	0.5	1.8	2.3	0.1			1.5	150	44
26/12/23 11:00	5	9	0.6	1.8	2.5	0.3			3.2	150	20
26/12/23 12:00	3	8	0.8	1.7	2.5	0.4			3.5	151	20
26/12/23 13:00	11	8	0.8	2.0	2.9	0.4			2.6	146	28
26/12/23 14:00	7	16	0.7	4.4	5.1	0.1			1.2	23	25
26/12/23 15:00	9	20	1.1	6.0	7.1	-0.1			2.1	265	19
26/12/23 16:00	6	12	0.8	3.4	4.1	-0.1			0.7	215	24
26/12/23 17:00	4	7	0.4	1.7	2.1	0.1			0.5	165	39
26/12/23 18:00	3	6	0.3	1.9	2.2	0.0			0.8	215	22
26/12/23 19:00	3	10	0.7	4.4	5.1	0.0			1.0	230	20
26/12/23 20:00	4	8	0.2	4.5	4.7	-0.1			0.8	234	25
26/12/23 21:00	6	8	0.0	3.1	3.2	-0.2			1.0	242	22
26/12/23 22:00	5	7	0.3	5.7	6.0	0.0			1.9	223	11
26/12/23 23:00	6	5	0.1	3.5	3.6	0.0			1.3	205	24
27/12/23 00:00	3	7	0.1	1.2	1.3	-0.1			1.9	213	17
27/12/23 01:00	5	9	0.0	0.9	0.9	0.1			2.3	216	13
27/12/23 02:00	4	15							2.0	218	12
27/12/23 03:00	2	13	0.1	0.9	1.0	0.1			1.0	204	22
27/12/23 04:00	2	21	0.0	1.1	1.2	-0.1			0.5	169	27
27/12/23 05:00	9	22	0.1	1.6	1.7	-0.1			0.4	198	24
27/12/23 06:00	8	15	2.2	2.8	4.2	-0.2			0.6	123	23
27/12/23 07:00	10	17	3.4	7.5	10.9	-0.1			0.7	127	17
27/12/23 08:00	11	17	3.7	5.5	9.1	0.2			0.5	193	32
27/12/23 09:00	8	19	3.7	4.9	8.6	1.0			1.0	208	26
27/12/23 10:00	4	14	1.9	3.0	4.9	0.8			1.3	218	22
27/12/23 11:00	10	16	1.8	3.1	4.9	0.6			2.3	230	12
27/12/23 12:00	15	20	1.8	2.8	4.6	0.8			2.6	230	9
27/12/23 13:00	8	15	1.7	3.8	5.5	0.8			2.6	229	10
27/12/23 14:00	10	16	4.4	5.2	9.6	0.8			2.9	227	13
27/12/23 15:00	6	17	9.3	6.7	16.0	0.7			2.9	225	14
27/12/23 16:00	6	16	21.4	11.3	32.7	0.7			2.8	224	14
27/12/23 17:00	7	28	31.5	8.8	40.2	0.7			3.3	227	13
27/12/23 18:00	8	19	49.5	8.1	57.6	0.9			3.7	227	10
27/12/23 19:00	8	21	0.6	1.7	2.3	0.3			4.2	229	7
27/12/23 20:00	6	13	0.6	2.7	3.3	-0.1			3.5	225	9

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Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
27/12/23 21:00	5	14	-0.1	3.1	3.1	-0.2			2.9	232	9
27/12/23 22:00	4	16	0.1	4.1	4.2	-0.2			3.4	229	8
27/12/23 23:00	8	10	0.4	2.1	2.5	-0.2			2.5	220	13
28/12/23 00:00	6	12	0.3	1.9	2.2	-0.2			2.2	224	12
28/12/23 01:00	3	13	0.4	4.6	5.0	0.1			2.6	230	9
28/12/23 02:00	7	18							2.2	232	12
28/12/23 03:00	7	14	0.1	3.1	3.2	0.1			2.4	229	11
28/12/23 04:00	7	16	0.0	1.4	1.4	0.1			2.7	223	11
28/12/23 05:00	5	14	0.1	1.3	1.4	0.3			2.4	223	12
28/12/23 06:00	7	15	0.1	1.7	1.7	0.3			2.9	232	8
28/12/23 07:00	6	17	0.4	1.5	2.0	0.1			2.4	232	10
28/12/23 08:00	4	13	0.3	0.8	1.2	-0.1			2.6	233	11
28/12/23 09:00	4	11	0.7	1.0	1.7	0.0			3.2	221	10
28/12/23 10:00	4	10	0.9	1.3	2.2	0.1			2.4	213	16
28/12/23 11:00	6	13	0.5	1.2	1.7	0.2			2.6	221	13
28/12/23 12:00	5	11	0.6	1.2	1.8	0.1			1.9	214	18
28/12/23 13:00	1	8	0.4	1.1	1.5	0.2			1.5	204	24
28/12/23 14:00	2	9	0.9	1.1	2.0	0.1			1.5	196	27
28/12/23 15:00	3	10	0.2	0.6	0.7	0.1			2.8	209	17
28/12/23 16:00	7	19	0.3	0.9	1.2	0.2			2.6	210	20
28/12/23 17:00	8	23	3.9	2.0	5.9	0.3			3.3	214	14
28/12/23 18:00	6	22	4.4	4.5	8.9	0.2			2.7	210	17
28/12/23 19:00	4	15	3.0	4.1	7.1	0.2			2.3	209	18
28/12/23 20:00	5	25	3.6	4.0	7.6	0.0			2.8	211	16
28/12/23 21:00	10	19	0.5	0.8	1.1	0.1			4.2	225	10
28/12/23 22:00	7	16	0.3	1.1	1.3	0.2			3.7	226	11
28/12/23 23:00	7	15	0.2	1.1	1.3	0.1			4.0	224	10
29/12/23 00:00	6	11	0.1	1.1	1.2	0.1			3.6	224	11
29/12/23 01:00	6	14	0.1	0.6	0.6	0.2			3.6	215	13
29/12/23 02:00	6	14							2.7	209	13
29/12/23 03:00	4	13	0.0	0.4	0.5	0.2			2.4	208	15
29/12/23 04:00	2	7	0.5	2.2	2.7	0.2			2.1	209	16
29/12/23 05:00	3	11	18.9	3.5	22.4	0.2			2.0	210	16
29/12/23 06:00	7	14	2.9	2.7	5.6	0.3			1.3	183	30
29/12/23 07:00	5	19	5.5	4.8	10.3	0.2			1.3	191	30
29/12/23 08:00	7	18	8.9	7.7	16.6	0.2			2.0	211	18
29/12/23 09:00	8	23	19.7	9.6	29.3	0.5			2.1	215	17
29/12/23 10:00	6	17	17.5	11.1	28.5	0.5			1.9	218	18
29/12/23 11:00	10	23	25.0	11.1	36.1	0.6			2.0	220	17
29/12/23 12:00	16	24	1.3	1.6	2.9	0.5			1.9	215	19
29/12/23 13:00	2	16	2.8	2.7	5.5	0.4			2.0	218	18
29/12/23 14:00	2	11	1.1	1.9	2.9	0.3			1.7	207	23
29/12/23 15:00	3	19	0.8	1.4	2.2	0.3			1.4	201	28
29/12/23 16:00	4	22	0.8	1.6	2.4	0.4			1.9	212	21
29/12/23 17:00	5	19	1.0	1.6	2.6	0.4			2.6	212	16
29/12/23 18:00	6	17	7.0	3.5	10.5	0.5			3.0	213	15

Station Pier Ambient Air Quality Monitoring
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1-Hour Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
29/12/23 19:00	7	24	0.4	1.3	1.6	0.4			2.7	211	17
29/12/23 20:00	8	26	0.3	1.2	1.4	0.2			2.9	210	16
29/12/23 21:00	10	32	0.0	1.3	1.3	0.3			2.8	217	14
29/12/23 22:00	7	25	0.0	0.8	0.8	0.2			3.0	237	14
29/12/23 23:00	9	17	0.7	3.0	3.7	0.8			3.6	256	13
30/12/23 00:00	6	12	1.9	5.9	7.8	1.4			2.9	257	15
30/12/23 01:00	6	11	2.7	6.8	9.5	1.2			3.1	259	15
30/12/23 02:00	5	11							3.3	257	14
30/12/23 03:00	6	10	2.2	4.3	6.5	0.9			3.6	259	13
30/12/23 04:00	4	9	1.6	4.4	6.0	0.7			2.8	261	16
30/12/23 05:00	5	13	0.5	4.2	4.8	0.6			2.2	275	22
30/12/23 06:00	7	11	6.4	10.1	16.5	0.5			3.1	264	13
30/12/23 07:00	6	14	3.9	6.6	10.5	0.5			3.9	262	12
30/12/23 08:00	6	16	2.0	2.9	4.9	0.7			2.8	251	15
30/12/23 09:00	4	15	0.7	1.3	2.0	0.4			2.5	241	16
30/12/23 10:00	2	10	27.8	5.6	33.4	0.7			2.4	227	15
30/12/23 11:00	7	10	25.7	5.8	30.9	0.8			2.4	233	16
30/12/23 12:00	7	16	133.6	19.2	152.7	5.9			2.9	213	17
30/12/23 13:00	20	36	125.7	15.9	141.6	11.3			3.6	208	15
30/12/23 14:00	20	42	84.2	14.5	98.7	15.7			3.9	211	13
30/12/23 15:00	19	33	73.1	15.1	88.2	13.5			4.1	212	13
30/12/23 16:00	15	35	52.2	12.1	61.7	8.4			4.7	214	11
30/12/23 17:00	11	34	49.6	9.0	56.7	9.4			4.2	214	11
30/12/23 18:00	13	32	15.7	4.4	20.2	5.5			3.6	209	14
30/12/23 19:00	14	30	16.0	6.1	22.1	2.5			3.7	210	14
30/12/23 20:00	13	33	14.8	4.2	19.1	4.5			3.3	210	16
30/12/23 21:00	10	38	0.2	0.7	0.9	1.3			3.6	211	13
30/12/23 22:00	8	29	0.1	0.4	0.6	0.8			3.2	211	14
30/12/23 23:00	9	29	0.0	0.6	0.6	0.6			3.2	211	14
31/12/23 00:00	9	31	0.0	0.7	0.7	0.5			3.2	211	15
31/12/23 01:00	9	35	0.4	0.5	0.9	0.4			3.2	213	14
31/12/23 02:00	9	29							2.4	207	20
31/12/23 03:00	9	33	0.1	0.7	0.8	0.1			1.7	176	33
31/12/23 04:00	9	29	0.0	0.5	0.5	-0.1			1.5	150	31
31/12/23 05:00	9	28	0.0	0.8	0.8	0.0			1.4	123	28
31/12/23 06:00	15	46	0.0	0.8	0.9	0.0			1.7	137	30
31/12/23 07:00	11	35	0.5	1.9	2.4	0.0			1.9	122	17
31/12/23 08:00	9	42	0.5	1.3	1.7	0.0			1.4	145	30
31/12/23 09:00	9	26	0.2	0.9	1.0	0.0			1.5	177	29
31/12/23 10:00	13	27	3.4	2.0	5.2	0.1			1.4	183	31
31/12/23 11:00	12	35	14.4	6.0	20.5	1.8			2.0	209	19
31/12/23 12:00	7	35	16.3	6.2	21.6	2.8			2.9	217	13
31/12/23 13:00	12	29	13.7	6.0	19.7	2.3			4.0	226	9
31/12/23 14:00	11	25	13.4	6.2	19.6	2.3			3.8	224	10
31/12/23 15:00	11	29	11.9	5.3	17.1	1.8			4.6	227	8
31/12/23 16:00	10	27	28.7	9.9	38.6	3.2			4.3	222	10

Station Pier Ambient Air Quality Monitoring
December 2023
1-Hour Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
31/12/23 17:00	10	28	21.0	7.7	28.7	3.6			3.3	213	14
31/12/23 18:00	10	36	11.6	5.2	16.7	2.1			3.2	211	17
31/12/23 19:00	18	37	6.3	3.3	9.6	1.3			2.9	210	19
31/12/23 20:00	8	42	1.8	1.2	3.0	0.6			1.7	172	31
31/12/23 21:00	12	28	0.1	0.9	1.0	0.2			1.9	152	26
31/12/23 22:00	8	27	0.1	0.9	1.0	0.1			2.0	153	29
31/12/23 23:00	5	21	0.1	0.7	0.8	0.1			1.5	171	34
01/01/24 00:00	7	24	0.2	1.1	1.3	0.1			1.5	158	37

Station Pier Ambient Air Quality Monitoring
December 2023
1-Day Data

Date/Time	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	NO (ppb)	NO_2 (ppb)	NOx (ppb)	SO_2 (ppb)	AT (°C)	RH (%)	WS (m/s)	WD (°)	Sigma (°)
12/1/2023											
12/2/2023											
12/3/2023											
12/4/2023											
12/5/2023			6.8	8.0	14.8	0.6			1.5	214	20
12/6/2023			8.0	6.6	14.6	0.8			1.6	213	21
12/7/2023			3.4	9.0	12.4	0.2			0.6	173	25
12/8/2023			2.5	11.6	14.1	0.3			1.4	11	31
12/9/2023			3.2	5.9	9.1	0.5			1.5	200	24
12/10/2023			3.5	3.0	6.3	0.4			1.8	202	22
12/11/2023			5.8	5.9	11.6	0.1			1.6	220	20
12/12/2023			10.7	11.3	22.0	0.6			0.6	171	22
12/13/2023			10.1	12.2	22.3	0.5			0.5	313	28
12/14/2023			2.5	7.2	9.6	0.1			2.7	261	16
12/15/2023			4.6	4.8	9.4	0.4			1.6	225	20
12/16/2023			1.9	3.9	5.9	0.2			2.3	253	19
12/17/2023			5.6	7.3	12.9	0.5			1.1	220	24
12/18/2023			7.5	16.7	24.2	0.7			0.6	29	24
12/19/2023			27.5	5.8	33.2	0.5			3.2	213	16
12/20/2023			17.4	5.9	23.3	1.3			2.6	187	24
12/21/2023	6	39	1.4	2.4	3.8	0.1			2.4	133	24
12/22/2023	6	33	2.2	3.5	5.7	0.2			1.9	158	24
12/23/2023	6	24	1.6	2.7	4.3	0.5			1.4	185	21
12/24/2023	5	20	7.2	4.6	11.8	0.4			2.1	193	23
12/25/2023	5	20	0.5	3.6	4.1	-0.1			1.5	122	21
12/26/2023	5	14	0.6	2.9	3.5	0.0			1.2	162	24
12/27/2023	7	16	6.0	4.1	10.1	0.3			2.1	223	16
12/28/2023	5	15	1.0	1.8	2.8	0.1			2.7	220	14
12/29/2023	6	18	5.1	3.5	8.6	0.4			2.2	217	18
12/30/2023	9	23	27.8	6.7	34.3	3.8			3.1	228	14
12/31/2023	10	31	6.3	3.0	9.3	1.0			2.0	196	22

Valid Data Exception Table
December 2023
GHD Station Pier

Start Date	End Date	Reason	Change Details	User Name	Change Date
01/12/23 00:00	04/12/23 12:55	Station uncommissioned	All parameters	FT	29/01/24
04/12/23 13:00	04/12/23 20:05	Partial commissioning maintenance - BAM commissioned with installation of zero filter. Multipoint calibration and span adjustment for NOx and SO2. Mast anchors installed and wind sensor tasks completed.	NO, NO_x, NO_2, SO_2, $PM_{2.5}$, PM_{10}, WS, WD, Sigma	FT	29/01/24
04/12/23 13:00	01/01/24 00:00	Unrealistic negative values	AT, RH	FT	29/01/24
04/12/23 16:15	05/12/23 10:30	Static offset of 0.4ppb added to adjust baseline of SO_2 data	SO_2	FT	29/01/24
04/12/23 21:00	20/12/23 13:00	Zero filter running	$PM_{2.5}$, PM_{10}	FT	29/01/24
04/12/23 23:45	31/12/23 23:55	Automatic daily overnight background check followed by instrument stabilisation from 23:45 to 23:55. Data affected intermittetntly	SO_2	FT	29/01/24
05/12/23 01:00	31/12/23 01:55	Automatic daily overnight span and background check followed by instrument stabilisation from 1:00 to 1:55. Data affected intermittetntly	NO, NO_x, NO_2, SO_2	FT	29/01/24
05/12/23 10:35	05/12/23 15:00	Non-scheduled maintenance - Modem connnection fault resolved	NO, NO_x, NO_2, SO_2, $PM_{2.5}$, PM_{10}	FT	29/01/24
06/12/23 11:10	31/12/23 11:30	Intermittent unrealistic negative values	NO_2	FT	29/01/24
12/12/23 07:05	12/12/23 09:35	Non-scheduled maintenance - NO_x and SO_2 mutlipoint calibration check	NO, NO_x, NO_2, SO_2	FT	29/01/24
17/12/23 00:00	19/12/23 00:55	Intermittent unrealistic outlier data	SO_2	FT	29/01/24
17/12/23 02:00	18/12/23 23:50	Linear offset of A = -0.5 and B = 1 added to adjust baseline of SO_2 data	SO_2	FT	29/01/24
20/12/23 14:00	20/12/23 14:00	Partial commissioning maintenance - Customer site visit and correct BAM inlet installed	$PM_{2.5}$, PM_{10}	FT	29/01/24

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

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