

**Contract No. NDO
05/2024
Environmental Team
for Environmental
Monitoring and Audit
Works for Remaining
Phase Development of
Kwu Tung North and
Fanling North New
Development Areas**

Baseline Air Quality Monitoring
Report

**Civil Engineering and
Development Department**

Revision: 2

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to life*

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Agreement No. CE 81/2023 (EP)
Independent Environmental Checker for Environmental Monitoring and Audit
Works in Construction Phase for the Remaining Phase Development of Kwu
Tung North and Fanling North New Development Areas – Investigation

Baseline Air Quality Monitoring Report
2 September 2025

BY Email

Dear Sir,

We refer to email of 2 September 2025 attaching the Baseline Monitoring Report prepared by the Environmental Team (ET) of the captioned.

We would like to inform you that we have no adverse comment on the captioned submission. Therefore we write to verify the captioned submission in accordance with the EP Condition 3.3 of the EP-465/2013/A, EP-466/2013/A, EP-467/2013/A, EP-468/2013/A, EP-470/2013/A, EP-471/2013/A, EP-472/2013/A, EP-473/2013/A, EP-475/2013/A and EP-476/2013.

Should you have any queries, please contact the undersigned at 2828 5967.

Yours faithfully,
For and on behalf of the
Mott MacDonald Hong Kong Limited



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Executive Summary

Aurecon Hong Kong Limited (Aurecon) is commissioned by Civil Engineering and Development Department (CEDD) to provide Environmental Monitoring and Audit (EM&A) services for the works contracts in relation to Kwu Tung North and Fanling North New Development Areas (“KTN/FLN NDAs”) Remaining Phase Developments (the Project) pursuant to the requirements of Environmental Team (ET) as specified in relevant Environmental Permit (EP), the EM&A Manual issued in the EIA stage, the updated EM&A Manual prepared for Contract No. NDO 14/2018 and/or the approved Environmental Impact Assessment (EIA) Report for the Project.

The EIA Report (AEIAR-175/2013) for North East New Territories New Development Areas (“NENT NDA”) was approved with conditions under Environmental Impact Assessment Ordinance (EIAO) in 2013. The Environmental Permits for corresponding Designated Projects were also issued by Director of Environmental Protection (DEP) in November 2013. This Project involves ten EPs (i.e. EP-465/2013/A, EP-466/2013/A, EP-467/2013/A, EP-468/2013/A, EP-470/2013/A, EP-471/2013/A, EP-472/2013/A, EP-473/2013/A, EP-475/2013/A and EP-476/2013).

In accordance with the requirements specified in the EPs and the EM&A Manuals for the Project, a Baseline Monitoring Report (the Report) should be certified by the ET leader, verified by the Independent Environmental Checker (IEC) and submitted to the DEP before commencement of construction of the Project.

The baseline monitoring works included air quality monitoring (AQM), construction noise monitoring (CNM) and water quality monitoring (WQM). This Report presents the results of baseline AQM at FLN-DMS6(A) and FLN-DMS7. The Action Level (AL) and Limit Level (LL) for FLN-DMS6(A) and FLN-DMS7 are determined with statistical analysis and review of the data retrieved during the baseline monitoring periods. The monitoring results of CNM and WQM at remaining monitoring stations will be documented in separately submitted baseline monitoring reports.

1 Introduction

1.1 Background

- 1.1.1 The KTN/FLN NDAs development are implemented in two phases, comprising First Phase and Remaining Phase developments. The construction works for the First Phase development commenced in December 2019. The construction works for the Remaining Phase development (the Project), including site clearance and formation, roads, drainage, sewerage and water supply systems, commenced progressively from the January 2025.
- 1.1.2 The Project will be delivered under eight works contracts as below.
- Contract No. ND/2024/01: Site Formation and Infrastructure Works (South);
 - Contract No. ND/2024/02: Site Formation and Infrastructure Works (North);
 - Contract No. ND/2024/03: Improvement Works of Fanling Highway (Kwu Tung Portion) and Associated Works;
 - Contract No. ND/2024/04: Improvement Works of Tai Tau Leng Roundabout and Po Shek Wu Road and Associated Works;
 - Contract No. ND/2024/05: Improvement Works of Fanling Highway (Pak Shek Au Portion) and Associated Works;
 - Contract No. ND/2024/06: Fresh Water and Flushing Water Service Reservoirs and Associated Works;
 - Contract No. ND/2024/07: Site Formation and Infrastructure Works (East); and
 - Contract No. ND/2024/08: Site Formation and Infrastructure Works (West).
- 1.1.3 The EIA Report (AEIAR-175/2013) for NENT NDA was approved with conditions under EIAO in 2013. The Environmental Permits for corresponding Designated Projects were also issued by DEP in November 2013. This Project involves ten EPs (i.e. EP-465/2013/A, EP-466/2013/A, EP-467/2013/A, EP-468/2013/A, EP-470/2013/A, EP-471/2013/A, EP-472/2013/A, EP-473/2013/A, EP-475/2013/A and EP-476/2013).
- 1.1.4 The site location plans of the works contracts are shown in **Figure 1.1** and **Figure 1.2**.
- 1.1.5 Aurecon was commissioned by CEDD to provide EM&A services for the works contracts in relation to the Project pursuant to the requirements as specified in relevant EP, the EM&A Manual issued in the EIA stage, the updated EM&A Manual prepared for Contract No. NDO 14/2018 and the approved EIA Report for the Project to discharge the duties of the ET for the Project, including the baseline monitoring works for various monitoring parameters (e.g. AQM, CNM, etc.).
- 1.1.6 In accordance with Condition 3.3 of the EPs (i.e. EP-465/2013/A, EP-466/2013/A, EP-467/2013/A, EP-468/2013/A, EP-470/2013/A, EP-471/2013/A, EP-472/2013/A, EP-473/2013/A, EP-475/2013/A and EP-476/2013) for the Project, the Baseline Monitoring Report certified by the ET Leader and verified by the IEC shall be submitted to the DEP at least two weeks before commencement of construction of the Project.

1.2 Purpose of this Report

- 1.2.1 The purpose of the Baseline Monitoring Report is to establish the baseline levels for air quality. These baseline levels will be used as the basis for compliance check during the impact monitoring in construction stage of the Project.
- 1.2.2 This Report presents the findings of the baseline AQM conducted in November to December 2024 and March to April 2025. The Report includes information on the monitoring methodology, parameters, locations, periods (e.g. date, time, frequency & duration), results, and other observations (e.g. influencing factors, etc.) for AQM during the baseline monitoring periods.

1.3 Structure of the Report

- Section 1 – Introduction
- Section 2 – Air Quality Monitoring
- Section 3 – Conclusion

2 Air Quality Monitoring

2.1 Monitoring Requirement

2.1.1 In accordance with the EM&A Manual issued in the EIA stage and the updated EM&A Manual prepared for Contract No. NDO 14/2018, baseline monitoring was conducted to determine the ambient 1-hour Total Suspended Particulates (TSP) and 24-hour TSP at the monitoring stations where no construction or dust generating activities was present in the vicinity for at least 14 consecutive days prior to the commencement of the Project. 1-hour TSP sampling was carried out at least three times per day at the monitoring stations when the highest dust impacts are expected.

2.2 Monitoring Locations, Parameters and Frequency

2.2.1 According to the EM&A Manuals, baseline monitoring shall be carried out at designated air quality monitoring locations. The proposed air quality monitoring station are originally proposed at the residential premises of Choi Po Court, namely FLN-DMS6, is designated for the air quality sensitive receiver at Choi Ngan House, Choi Po Court. Thus, consent from the Management Services Offices is required to carrying out monitoring and set up monitoring equipment. However, the Management Services Office of Choi Po Court has officially declined our request for setting up monitoring stations at the original monitoring location of FLN-DMS6 on 15 December 2024, an alternative air quality monitoring station (FLN-DMS6(A)) is proposed. The alternative air quality monitoring station (FLN-DMS6 (A)) is located 20m away from the designated air quality monitoring station (FLN-DMS6), a separate proposal on alternative monitoring locations has been prepared and submitted to EPD on 23 January 2025 for agreement. EPD had no comment on the alternative monitoring location at FLN-DMS6(A) on 28 February 2025. The air quality monitoring locations for baseline and impact monitoring at FLN-DMS6(A) and FLN-DMS7 are listed in **Table 2.1** below and shown in **Figure 2.1**.

Table 2.1 Air Quality Monitoring Stations for All Contracts involved in the Project

New Monitoring Station ID	ID in EM&A Manual	Location	Baseline Monitoring	Impact Monitoring
Existing Air Sensitive Receivers				
FLN-DMS6(A) ⁽²⁾	DMS-10	Choi Ngan House, Choi Po Court	✓	✓
Planned Air Sensitive Receivers				
FLN-DMS7	DMS-5	Planned premise for Weapons Training Division	✓	✓ (1)

Notes:

- (1) Impact monitoring will be carried out when the planned sensitive receivers are commissioned.
- (2) As the Management Services Office of Choi Po Court had officially declined our request of setting up monitoring stations within the housing estates on 15 December 2024, a proposal of alternative monitoring location has been prepared separately and submitted to EPD on 23 January 2025 for agreement. EPD had no comment on the alternative monitoring location at FLN-DMS6(A) on 28 February 2025.

2.2.2 The baseline AQM for FLN-DMS6(A) was carried out between March 2025 and April 2025 while the baseline AQM for FLN-DMS7 was carried out between November 2024 and December 2024. The detailed monitoring schedule for FLN-DMS6(A) and FLN-DMS7 is shown in **Appendix 2.1**. The frequency and duration are shown in **Table 2.2**.

Table 2.2 Baseline Monitoring Parameter, Frequency and Duration

Duration	Sampling Parameter	Frequency
Consecutive days of at least 2 weeks before commencement of major construction works	1-hour TSP	3 times per day
	24-hour TSP	Daily

2.3 Monitoring Equipment

2.3.1 Direct reading dust meters were used for measuring 1-hour TSP and 24-hour TSP during the baseline air quality monitoring. According to Section 4.4 of the EM&A Manual, the proposed use of direct reading dust meter was submitted to and agreed by the IEC.

2.3.2 The direct reading dust meters have been calibrated against high volume samplers (HVSs) bi-weekly. A 2-day, three 3-hour measurement results per day from direct reading dust meters were taken to compare with the sampling results from the HVSs. The correlation between the direct reading dust meters and the HVSs were then concluded. By accounting for the correlation factor, the direct reading dust meters are considered to achieve comparable results as that of the HVSs. The HVS used to calibrate the direct dust monitor will need to be calibrated bi-monthly.

2.3.3 Sufficient number of monitoring instruments were deployed by the ET for carrying out the baseline monitoring. All equipment and associated instrumentation were clearly labelled.

2.3.4 Equipment used in the baseline air quality monitoring programme is summarized in **Table 2.3**. Calibration certificates for the air quality monitoring equipment are attached in **Appendix 2.2**.

Table 2.3 Baseline Air Quality Monitoring Equipment

Equipment	Manufacturer	Model	No. of Set(s) of Equipment	Serial No.
Direct Reading Dust Meter	Sibata	LD-5R	2	467356
				467360

2.4 Monitoring Methodology

2.4.1 The 1-hour TSP and 24-hour TSP was sampled by drawing air into the portable dust monitor where particular concentrations were measured instantaneously with an in-built silicon detector sensing light scattered by the particulates in the sampled air. Continuous TSP levels were indicated and logged by a built-in data logger compatible with Windows based program to facilitate data collection, analysis and reporting.

2.4.2 The measuring procedures of the 1-hour TSP and 24-hour TSP dust meter was undertaken in accordance with the Manufacturer's Instruction Manual as follows:

- Placed the dust meter at least 1.5m above ground;
- Set POWER to "ON" and make sure that the battery level was not flashed or in low level;
- Pulled the air sampling inlet cover up;
- Pushed the knob at MEASURE position;

- Set time/mode setting to [BG] by pushing the time setting switch. Then, started the background measurement by pushing the start/stop switch once. It took 6 sec. to complete the background measurement;
- Turned knob to SENSI. ADJ position and pressed in;
- Pushed Start/Stop switch once;
- Gently returned knob to the MEASURE position;
- Pushed the time setting switch to change the time setting display to [LOG] at the bottom left of the liquid crystal display;
- Removed the cap and started measurement; and
- Information such as sampling date, time, count value and site condition were recorded during the monitoring period

2.5 Baseline Monitoring Result

2.5.1 Baseline monitoring for air quality at FLN-DMS6(A) and FLN-DMS7 was conducted in March to April 2025 and November to December 2024, respectively. The baseline air quality monitoring result are summarized in **Table 2.4**. Details of air quality results are presented in **Appendix 2.3**.

2.5.2 During the baseline monitoring, no construction activity or dust generating activities of the Project and any other projects was conducted in the vicinity of the monitoring locations and in the project site. No project or any other project was observed affecting the baseline air quality condition during the baseline monitoring.

2.5.3 No other major dust emission sources were noted. Weather condition of the whole baseline monitoring period varied from sunny to rainy. Climatological information during the period of baseline monitoring were extracted from the Hong Kong Observatory Ta Kwu Ling Weather Station (22.52861N, 114.15667E), which is located about 4.5km from the monitoring station of FLN-DMS6(A) and about 4km from the monitoring station of FLN-DMS7 respectively and situated at approximately 15m above mean sea level. The station's wind data monitoring equipment is set above the existing ground ten meters in compliance with the general setting up requirement. Furthermore, Ta Kwu Ling Weather Station also provides other climatological information, such as humidity, rainfall, air pressure and temperature etc.. The extracted weather information are presented in **Appendix 2.4**.

Table 2.4 Summary of Baseline 1-hour and 24-hour TSP Monitoring Results

Monitoring Stations	Monitoring Duration	TSP Concentration, $\mu\text{g}/\text{m}^3$		
		Average	Min.	Max.
FLN-DMS6(A)	24-hour	41	25	51
	1-hour	54	19	98
FLN-DMS7	24-hour	37	23	76
	1-hour	38	12	106

2.6 Action and Limit Levels

2.6.1 The baseline 1-hour and 24-hour TSP monitoring results form the basis for determining the air quality criteria for the impact monitoring. **Table 2.5** shows the criteria for establishing the Action and Limit Levels for air quality monitoring.

Table 2.5 Action and Limit Levels for Air Quality during Construction Period

Monitoring Parameter	Action Level	Limit Level
24-hour TSP in $\mu\text{g}/\text{m}^3$	For baseline level $\leq 200\mu\text{g}/\text{m}^3$, Action level = $(\text{baseline level} * 1.3 + \text{Limit level})/2$; For baseline level $> 200 \mu\text{g}/\text{m}^3$ Action level = Limit level	260 $\mu\text{g}/\text{m}^3$
1-hour TSP in $\mu\text{g}/\text{m}^3$	For baseline level $\leq 384\mu\text{g}/\text{m}^3$, Action level = $(\text{baseline level} * 1.3 + \text{Limit level})/2$; For baseline level $> 384 \mu\text{g}/\text{m}^3$, Action level = Limit level	500 $\mu\text{g}/\text{m}^3$

Following the above guidelines, the Action and Limit Levels for 1-hour and 24-hour TSP impact monitoring have been set and presented in **Table 2.6**.

Table 2.6 Calculated Action and Limit Levels for 1-hour TSP and 24-hour TSP

Monitoring Station(s)	Monitoring Parameter	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
FLN-DMS6(A)	24-hour TSP Level	157	260
	1-hour TSP Level	285	500
FLN-DMS7	24-hour TSP Level	154	260
	1-hour TSP Level	275	500

2.6.2 Should non-compliance of the air quality criteria occur, action in accordance with the Event / Action Plan in **Table 2.7** shall be carried out.

2.7 Event and Action Plan

2.7.1 The Action and Limit levels for air quality are shown in **Table 2.6**. Should non-compliance of the criteria occur, action in accordance with the Event/ Action Plans in **Table 2.7** shall be carried out.

Table 2.7 Event/ Action Plan for Construction Dust

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by one sample	<ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform the IEC and ER; 3. Repeat measurement to confirm finding; and 4. Increase monitoring frequency to daily. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by the ET; and 2. Check the Contractor's working method. 	<ol style="list-style-type: none"> 1. Notify the Contractor. 	<ol style="list-style-type: none"> 1. Rectify any unacceptable practice; and 2. Amend working methods agreed with the ER if appropriate.
Action level being exceeded by two or more consecutive samples	<ol style="list-style-type: none"> 1. Identify source; 2. Inform the IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with the IEC, ER and Contractor, and on remedial actions required; 7. If exceedance continues, arrange meeting with the IEC, Contractor and ER; and 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by the ET; 2. Check the Contractor's working method; 3. Discuss with the ET, ER and Contractor on possible remedial measures if required; 4. Advise the ER on the effectiveness of the proposed remedial measures if required; and 5. Supervise Implementation of remedial measures 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify the Contractor; and 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 1. Submit proposals for remedial action to the ER within 3 working days of notification; 2. Implement the agreed proposals; and 3. Amend proposal if appropriate.

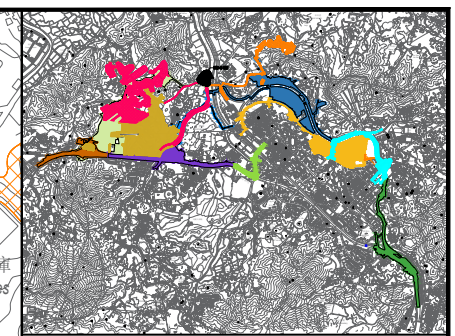
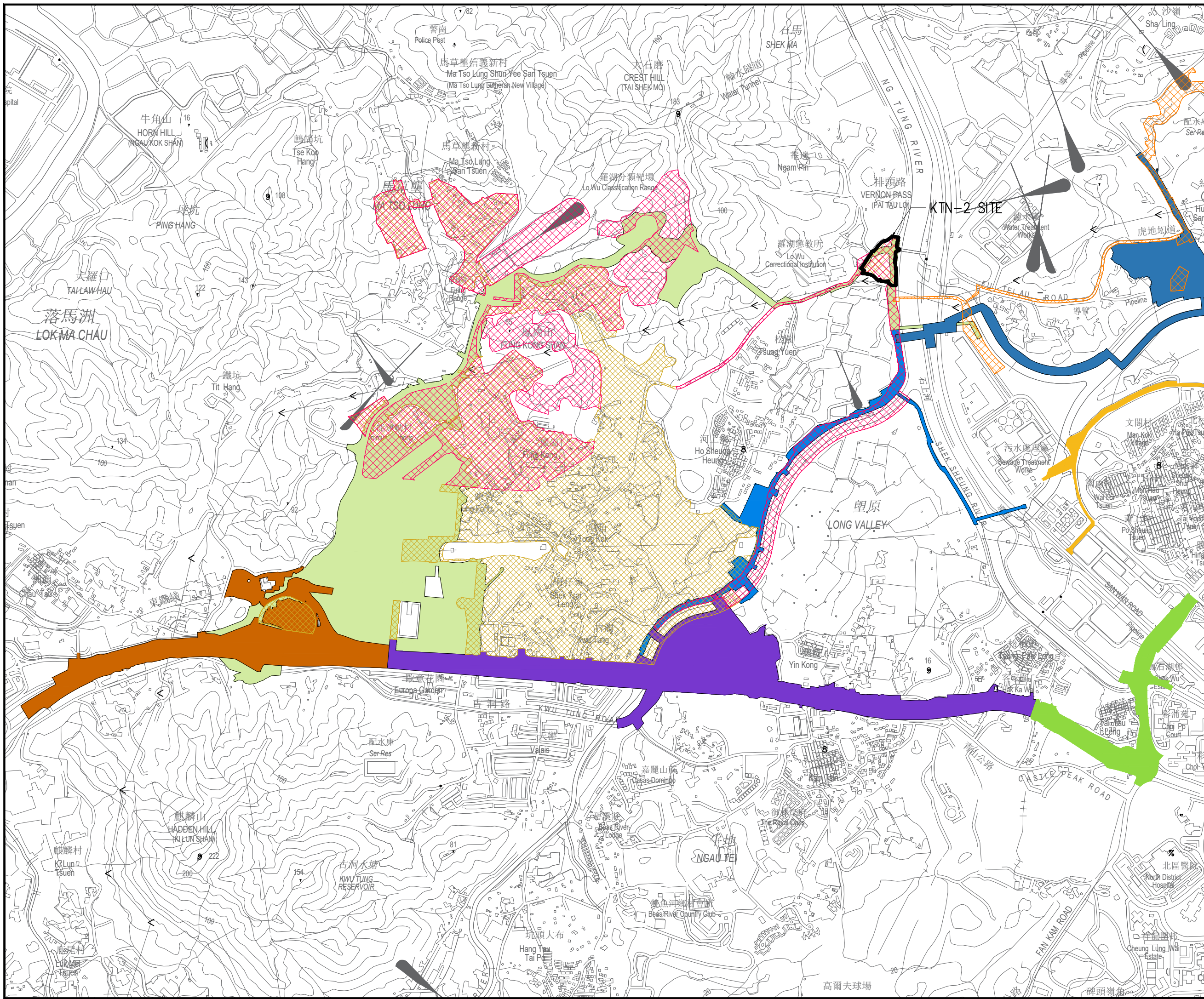
Event	Action			
	ET	IEC	ER	Contractor
Limit level being exceeded by one sample	<ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform the IEC, ER, and Contractor ; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; and 5. Assess effectiveness of Contractor's remedial actions and keep the IEC and ER informed of the results. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by the ET; 2. Check the Contractor's working method; 3. Discuss with the ET, ER and Contractor on possible remedial measures; 4. Advise the ER and ET on the effectiveness of the proposed remedial measures; and 5. Supervise implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify the Contractor; and 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to the ER and copy to the ET and IEC within 3 working days of notification; 3. Implement the agreed proposals; and 4. Amend proposal if appropriate.
Limit level being exceeded by two or more consecutive samples	<ol style="list-style-type: none"> 1. Notify the IEC, ER and Contractor; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of the Contractor's working procedures with the ER to determine the possible mitigation to be implemented; 6. Arrange meeting with the IEC and ER to discuss the remedial actions to be taken; 7. Assess the effectiveness of the Contractor's remedial actions and keep the IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Discuss amongst the ER, ET, and Contractor on the potential remedial actions; 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER and ET accordingly; and 3. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of the notification of exceedance in writing; 2. Notify the Contractor; 3. In consultation with the IEC and ET, agree with the Contractor on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; and 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to the ER and copy to the IEC and ET within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

3 Conclusion

3.1 Revision for Inclusion in the EM&A Manual

- 3.1.1 In accordance with the EM&A Manual issued in the EIA stage and the updated EM&A Manual prepared for Contract No. NDO 14/2018, baseline monitoring for air quality at FLN-DMS6(A) and FLN-DMS7 has been conducted prior to commencement of the construction works under the Project. This report summarizes the baseline monitoring locations, requirements, and equipment adopted in baseline air quality monitoring.
- 3.1.2 Baseline air quality monitoring under this Project was carried out at two monitoring locations, namely, FLN-DMS6(A) and FLN-DMS7 in March to April 2025 and November to December 2024, respectively. 1-hour TSP and 24-hour TSP at the monitoring stations were carried out for at least 14 consecutive days prior the commencement of construction works. 1-hour TSP sampling was carried out at least three times per day. Action and limit levels for impact air quality monitoring at FLN-DMS6(A) and FLN-DMS7 were established.

Figure 1.1
Layout Plan of the Project at KTN NDA




Key Plan

Legend

	ND/2019/01
	ND/2019/02
	ND/2019/04
	ND/2019/05
	ND/2024/01
	ND/2024/02
	ND/2024/03
	ND/2024/04
	ND/2024/05
	ND/2024/06
	ND/2024/07
	ND/2024/08

Client



Civil Engineering and Development Department

Project

Contract No. NDO 05/2024
 Environmental Team for Environmental Monitoring and Audit Works for Remaining Phase and Fanling North New Development Areas

Drawing Title

Location and Site Layout Plan
 KTN

Consultant

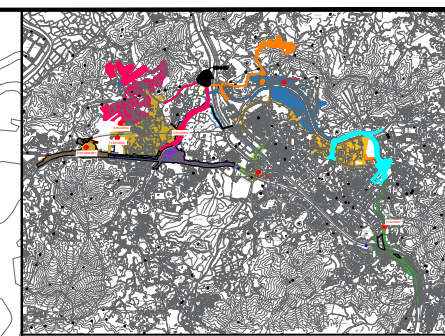
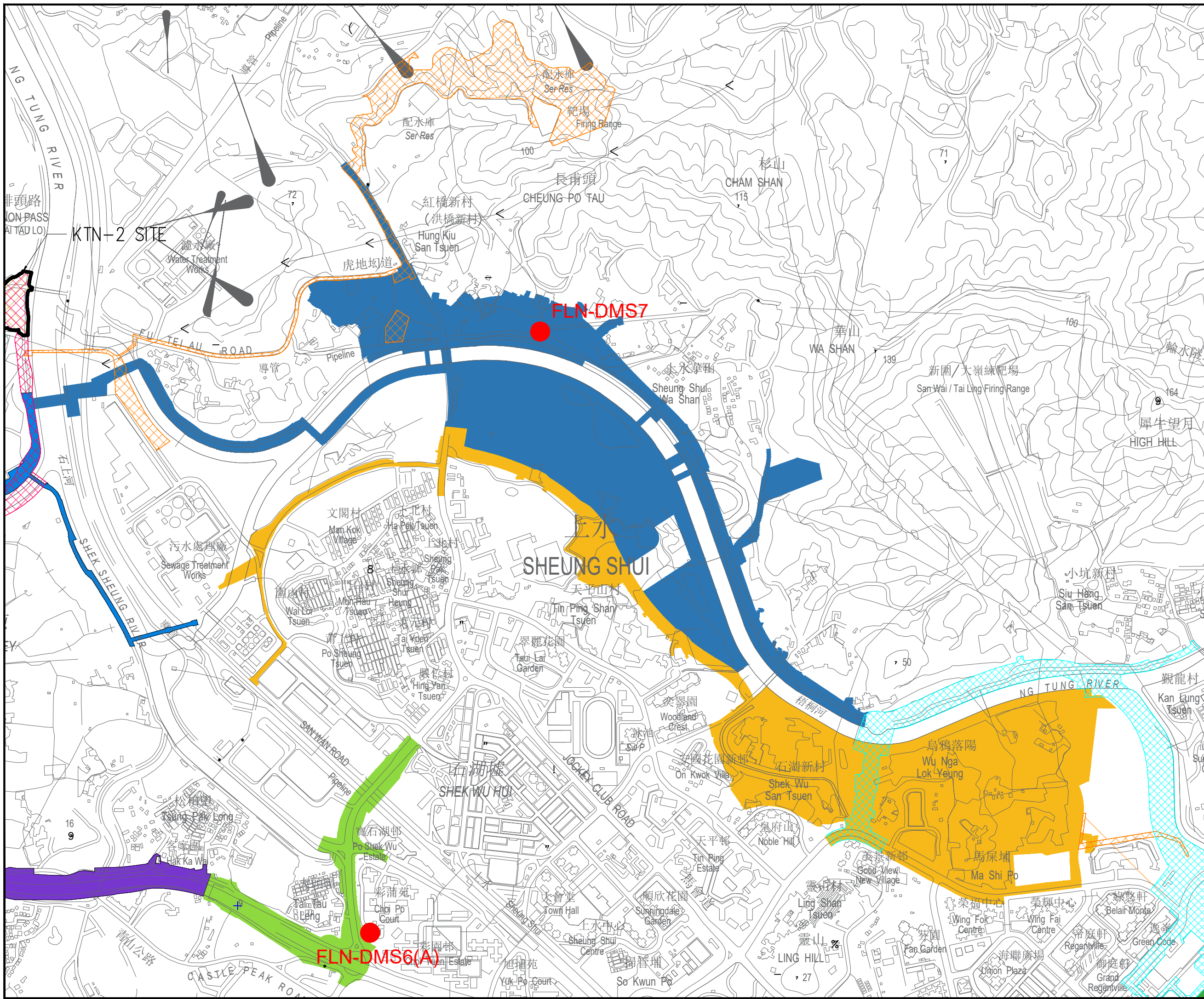


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Figure 1.2
Layout Plan of the Project at FLN NDA

Figure 2.1
Air Quality Monitoring Locations of the Project at FLN
NDA



Key Plan	
Legend	
	ND/2019/01
	ND/2019/02
	ND/2019/04
	ND/2019/05
	ND/2024/01
	ND/2024/02
	ND/2024/03
	ND/2024/04
	ND/2024/05
	ND/2024/06
	ND/2024/07
	ND/2024/08
	Air Quality Monitoring Station

Client	土木工程拓展署 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
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Project	Contract No. NDO 05/2024 Environmental Team for Environmental Monitoring and Audit Works for Remaining Phase and Fanling North New Development Areas
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Drawing Title	Locations of Air Quality Monitoring Stations for FLN NDA
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Scale	Date	Rev
Not to Scale	12 Aug 2025	0
Drawing Number		
Figure 2.1		

Appendix 2.1

Monitoring Schedule

**Contract No.: NDO 05/2024 - Environmental Team for Environmental Monitoring and Audit Works for
Remaining Phase Development of Kwu Tung North and Fanling North New Development Areas
Baseline Air Quality Monitoring Schedule (November 2024)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
					Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7

Baseline Air Quality Monitoring Location: FLN-DMS7
Baseline Air Quality Monitoring Parameters:
 1. 1-hour TSP: 3 times per day
 2. 24-hour TSP: Daily

**Contract No.: NDO 05/2024 - Environmental Team for Environmental Monitoring and Audit Works for
 Remaining Phase Development of Kwu Tung North and Fanling North New Development Areas
 Baseline Air Quality Monitoring Schedule (December 2024)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7
8	9	10	11	12	13	14
Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	Baseline Air Quality Monitoring at FLN-DMS7	
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Baseline Air Quality Monitoring Location: FLN-DMS7
Baseline Air Quality Monitoring Parameters:
 1. 1-hour TSP: 3 times per day
 2. 24-hour TSP: Daily

**Contract No.: NDO 05/2024 - Environmental Team for Environmental Monitoring and Audit Works for
 Remaining Phase Development of Kwu Tung North and Fanling North New Development Areas
 Baseline Air Quality Monitoring Schedule (March 2025)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
				Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)
23	24	25	26	27	28	29
Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)
30	31					
Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)					

Baseline Air Quality Monitoring Location: FLN-DMS6(A)
Baseline Air Quality Monitoring Parameters:
 1. 1-hour TSP: 3 times per day
 2. 24-hour TSP: Daily

**Contract No.: NDO 05/2024 - Environmental Team for Environmental Monitoring and Audit Works for
 Remaining Phase Development of Kwu Tung North and Fanling North New Development Areas
 Baseline Air Quality Monitoring Schedule (April 2025)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
		Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)	Baseline Air Quality Monitoring at FLN-DMS6(A)		
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Baseline Air Quality Monitoring Location: FLN-DMS6(A)
Baseline Air Quality Monitoring Parameters:
 1. 1-hour TSP: 3 times per day
 2. 24-hour TSP: Daily

Appendix 2.2
Calibration Certificates for Baseline Air Quality
Monitoring

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipment

Verification Test Date:	4-Nov-24	to	6-Nov-24	Next Verification Test Date:	4-Jan-25
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467360				
Our Report Reference No.:	RPT-24-HVS-0102				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

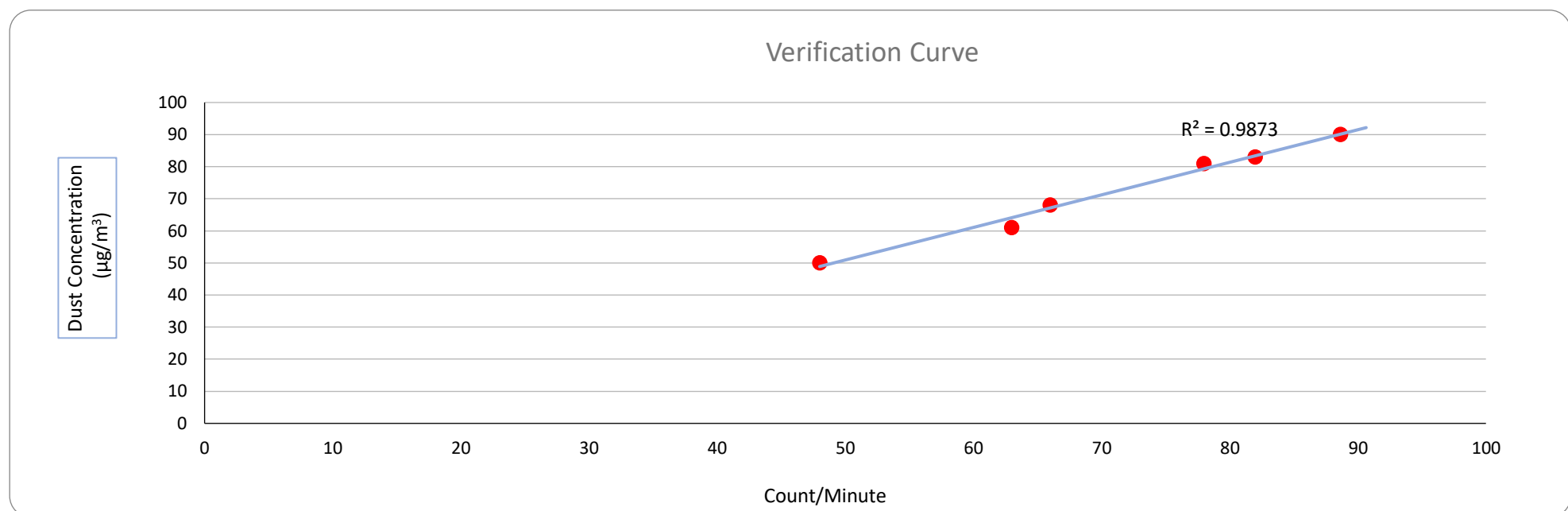
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	4-Nov-24	15-Jan-24
Next Calibration Date:	4-Jan-25	15-Jan-25


Equipment Verification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipment		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration ($\mu\text{g}/\text{m}^3$) y-axis
1	4/11/2024	12385.20	12386.20	60.00	5319	89	90
2	4/11/2024	12386.20	12387.20	60.00	4680	78	81
3	4/11/2024	12387.20	12388.20	60.00	3960	66	68
4	6/11/2024	12412.20	12413.20	60.00	3780	63	61
5	6/11/2024	12413.20	12414.20	60.00	4920	82	83
6	6/11/2024	12414.20	12415.20	60.00	2880	48	50


Linear Regression of y on x

Slope, K factor:	1.0148	Intercept:	0.1761	*Correlation Coefficient, R:	0.9936
Verification Test Result:	<u>Strong Correlation, Results were accepted.</u>			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li 
Project Technician, Environmental

Date: 08-11-2024

Checked By: Joe Ho 
Lead Consultant, Environmental

Date: 08-11-2024

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Man Cheong Building	Site ID:	W-A6	Date:	04-Nov-2024
Serial No:	1050	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (P _a) (mm Hg):	762.7	Actual Temperature during Calibration (T _a) (deg K):	299.4
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Calibration Orifice

Model:	TE-5025A	Slope (m _c):	2.06920
Serial No.:	3465	Intercept (b _c):	-0.02547
Calibration Due Date:	15-Jan-25	Corr. Coeff:	0.99999

Calibration Data

Plate or Test #	ΔH ₂ O (in)	Qa, X-Axis (m ³ /min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	12.00	1.686	62.0	61.97
13	10.40	1.570	59.0	58.97
10	8.60	1.429	56.0	55.97
7	4.20	1.002	46.0	45.98
5	2.30	0.745	42.0	41.98

Sampler Calibration Relationship (Qa on x-axis, IC on y-axis)

m = 21.5438 b = 25.2622 Corr. Coeff = 0.9976

Calculations

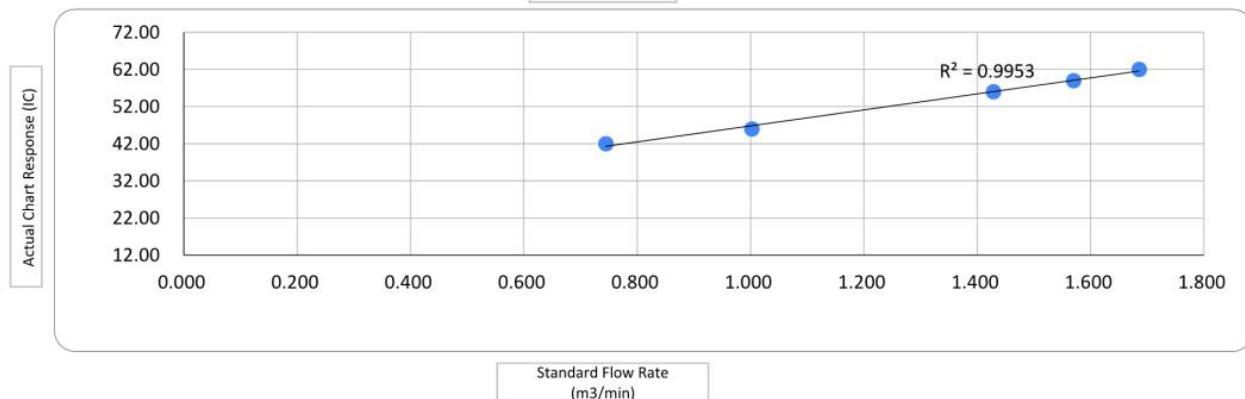
$$Q_a = 1/m_c * [\text{Sqrt}(\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$$

$$IC = I * (\text{Sqrt}(P_a/P_{Std}) * (T_{Std}/T_a))$$

Q_a = actual flow rate
 IC = corrected chart response
 I = actual chart response
 m_c = calibrator slope
 b_c = calibrator intercept

m = sampler slope
 b = sampler intercept
 T_{Std} = 298 deg K
 P_{Std} = 760 mm Hg
 T_a = actual temperature during calibration (deg K)
 P_a = actual pressure during calibration (mm Hg)

Flow Rate Chart



Checked by: 

Date: 04-Nov-2024



Certificate of Calibration

Calibration Certification Information			
Cal. Date: January 15, 2024	Rootsmeter S/N: 438320	Ta: 294	°K
Operator: Jim Tisch		Pa: 755.9	mm Hg
Calibration Model #: TE-5025A	Calibrator S/N: 3465		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4350	3.3	2.00
2	3	4	1	1.0180	6.4	4.00
3	5	6	1	0.9090	8.0	5.00
4	7	8	1	0.8670	8.9	5.50
5	9	10	1	0.7150	12.9	8.00

Data Tabulation					
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H (Ta/Pa)}$ (y-axis)
1.0037	0.6995	1.4200	0.9956	0.6938	0.8820
0.9996	0.9819	2.0081	0.9915	0.9740	1.2473
0.9975	1.0973	2.2452	0.9894	1.0885	1.3945
0.9963	1.1491	2.3547	0.9882	1.1398	1.4626
0.9909	1.3859	2.8399	0.9829	1.3747	1.7639
QSTD	m=	2.06920	QA	m=	1.29570
	b=	-0.02547		b=	-0.01582
	r=	0.99999		r=	0.99999

Calculations			
Vstd=	$\Delta Vol((Pa-\Delta P)/Pstd)(Tstd/Ta)$	Va=	$\Delta Vol((Pa-\Delta P)/Pa)$
Qstd=	$Vstd/\Delta Time$	Qa=	$Va/\Delta Time$
For subsequent flow rate calculations:			
Qstd=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$	Qa=	$1/m \left(\left(\sqrt{\Delta H (Ta/Pa)} \right) - b \right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH: calibrator manometer reading (in H2O)	
ΔP: rootsmeter manometer reading (mm Hg)	
Ta: actual absolute temperature (°K)	
Pa: actual barometric pressure (mm Hg)	
b: intercept	
m: slope	

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipment

Verification Test Date:	25-Feb-25	to	27-Feb-25	Next Verification Test Date:	25-Apr-25
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467356				
Our Report Reference No.:	RPT-25-HVS-0021				
Calibration Location:	NENTX - AM2				

Standard Equipment Information

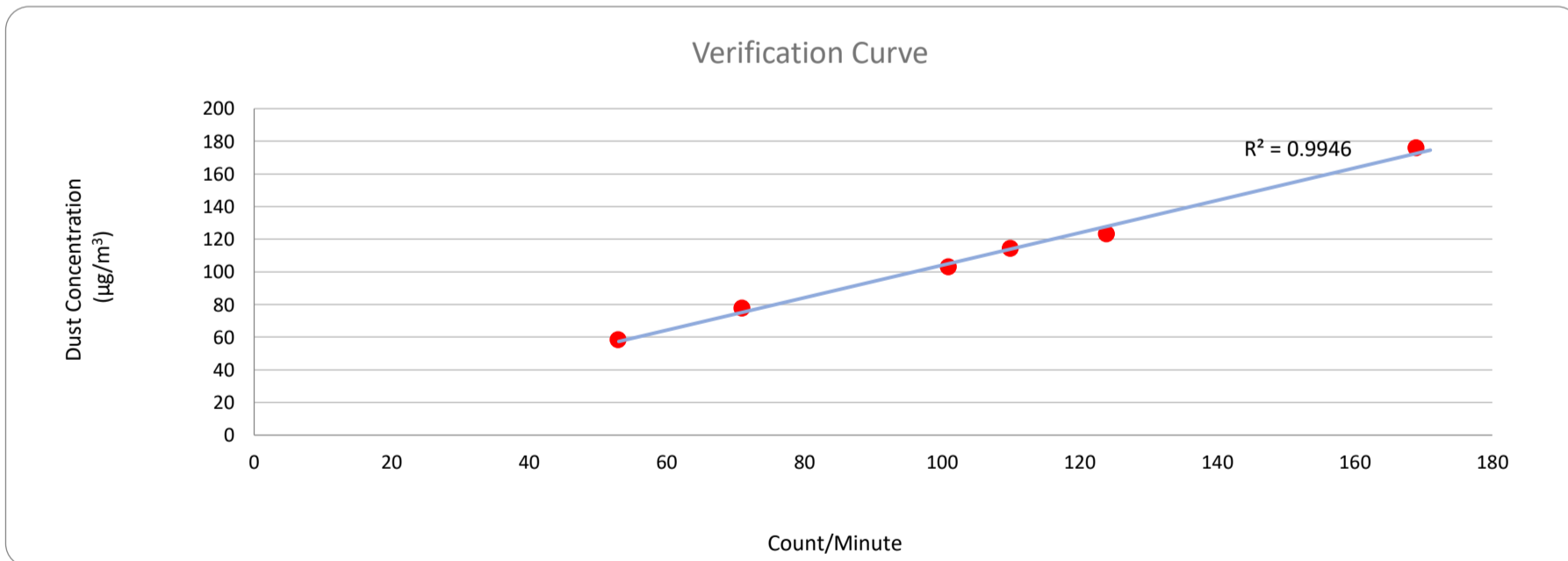
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	3465
Last Calibration Date:	10-Feb-25	2-Dec-24
Next Calibration Date:	10-Apr-25	2-Dec-25

Equipment Verification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipment		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration ($\mu\text{g}/\text{m}^3$) y-axis
1	25/02/2025	5385.00	5388.00	180.00	12780	71	78
2	25/02/2025	5388.00	5391.00	180.00	30420	169	176
3	25/02/2025	5394.00	5397.00	180.00	19800	110	114
4	27/02/2025	5397.00	5400.00	180.00	9540	53	58
5	27/02/2025	5400.00	5403.00	180.00	18180	101	103
6	27/02/2025	5403.00	5406.00	180.00	22320	124	123

Linear Regression of y on x

Slope, K factor:	0.9935	Intercept:	4.7069	*Correlation Coefficient, R:	0.9973
Verification Test Result:	<u>Strong Correlation, Results were accepted.</u>			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li
Project Technician, Environmental

Date: 03-03-2025

Checked By: Joe Ho
Lead Consultant, Environmental

Date: 03-03-2025

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Representative For Heung YuenWai	Site ID:	AM2	Date:	10-Feb-2025
Serial No.:	1106	Model:	TE-5170X	Operator:	Andy Li

Ambient Condition

Actual Pressure during Calibration (P_a) (mm Hg):	766.3	Actual Temperature during Calibration (T_a) (deg K):	289.4
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Calibration Orifice

Model:	TE-5025A	Slope (m_c):	2.08107
Serial No.:	3465	Intercept (b_c):	-0.04295
Calibration Due Date:	2-Dec-25	Corr. Coeff:	0.99999

Calibration Data

Plate or Test #	ΔH_2O (in)	Qa, X-Axis (m ³ /min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	12.00	1.717	53.0	54.00
13	10.20	1.584	50.0	50.95
10	8.20	1.423	44.0	44.83
7	5.60	1.179	36.0	36.68
5	3.00	0.869	30.0	30.57

Sampler Calibration Relationship (Qa on x-axis, IC on y-axis)

$m = \underline{\hspace{2cm} 28.7309 \hspace{2cm}}$
 $b = \underline{\hspace{2cm} 4.4948 \hspace{2cm}}$
 $\text{Corr. Coeff} = \underline{\hspace{2cm} 0.9930 \hspace{2cm}}$

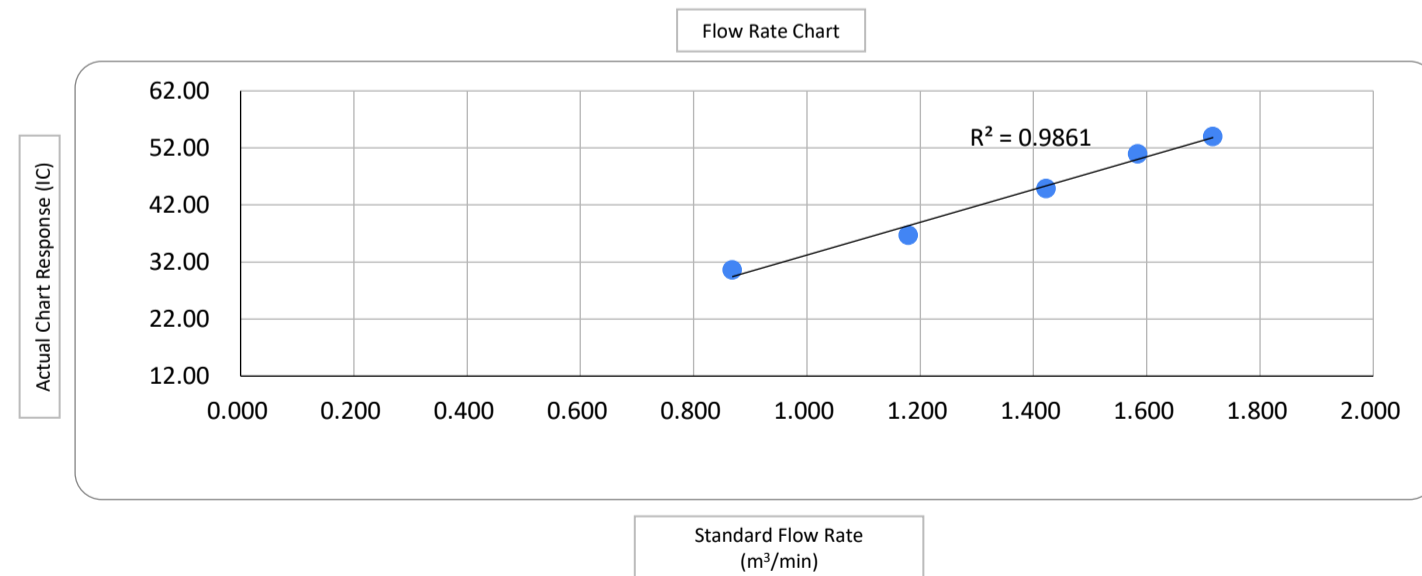
Calculations

$$Q_a = 1/m_c \cdot [\text{Sqrt}(\Delta H_2O \cdot (P_a/P_{Std}) \cdot (T_{Std}/T_a)) - b_c]$$

$$IC = I \cdot (\text{Sqrt}(P_a/P_{Std}) \cdot (T_{Std}/T_a))$$

Q_a = actual flow rate
 IC = corrected chart response
 I = actual chart response
 m_c = calibrator slope
 b_c = calibrator intercept

m = sampler slope
 b = sampler intercept
 T_{Std} = 298 deg K
 P_{Std} = 760 mm Hg
 T_a = actual temperature during calibration (deg K)
 P_a = actual pressure during calibration (mm Hg)



Checked by: F.C Tsang
Monitoring Team Leader

Date: 11-Feb-2025



Certificate of Calibration

Calibration Certification Information			
Cal. Date: December 2, 2024	Rootsmeter S/N: 438320	Ta: 293	°K
Operator: Jim Tisch		Pa: 757.4	mm Hg
Calibration Model #: TE-5025A	Calibrator S/N: 3465		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4300	3.2	2.00
2	3	4	1	1.0190	6.4	4.00
3	5	6	1	0.9090	7.9	5.00
4	7	8	1	0.8680	8.8	5.50
5	9	10	1	0.7170	12.8	8.00

Data Tabulation						
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)}$ (y-axis)	
1.0093	0.7058	1.4238	0.9958	0.6963	0.8796	
1.0051	0.9863	2.0136	0.9916	0.9731	1.2439	
1.0031	1.1035	2.2512	0.9896	1.0886	1.3907	
1.0018	1.1542	2.3611	0.9884	1.1387	1.4586	
0.9965	1.3898	2.8476	0.9831	1.3711	1.7592	
QSTD	m=	2.08107	QA	m=	1.30313	
	b=	-0.04295		b=	-0.02653	
	r=	0.99999		r=	0.99999	

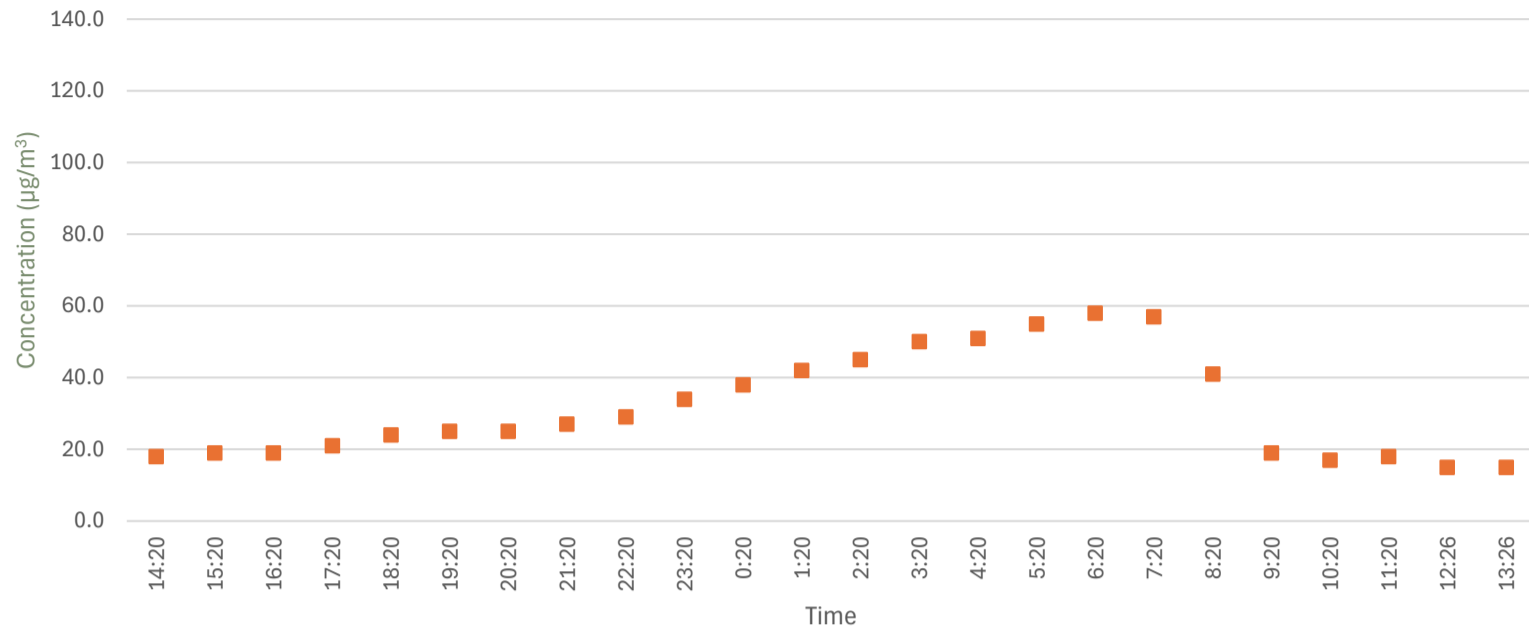
Calculations			
Vstd=	$\Delta Vol((Pa-\Delta P)/Pstd)(Tstd/Ta)$	Va=	$\Delta Vol((Pa-\Delta P)/Pa)$
Qstd=	Vstd/ΔTime	Qa=	Va/ΔTime
For subsequent flow rate calculations:			
Qstd=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right) \left(\frac{Tstd}{Ta} \right)} \right) - b \right)$	Qa=	$1/m \left(\left(\sqrt{\Delta H \left(\frac{Ta}{Pa} \right)} \right) - b \right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH:	calibrator manometer reading (in H2O)
ΔP:	rootsmeter manometer reading (mm Hg)
Ta:	actual absolute temperature (°K)
Pa:	actual barometric pressure (mm Hg)
b:	intercept
m:	slope

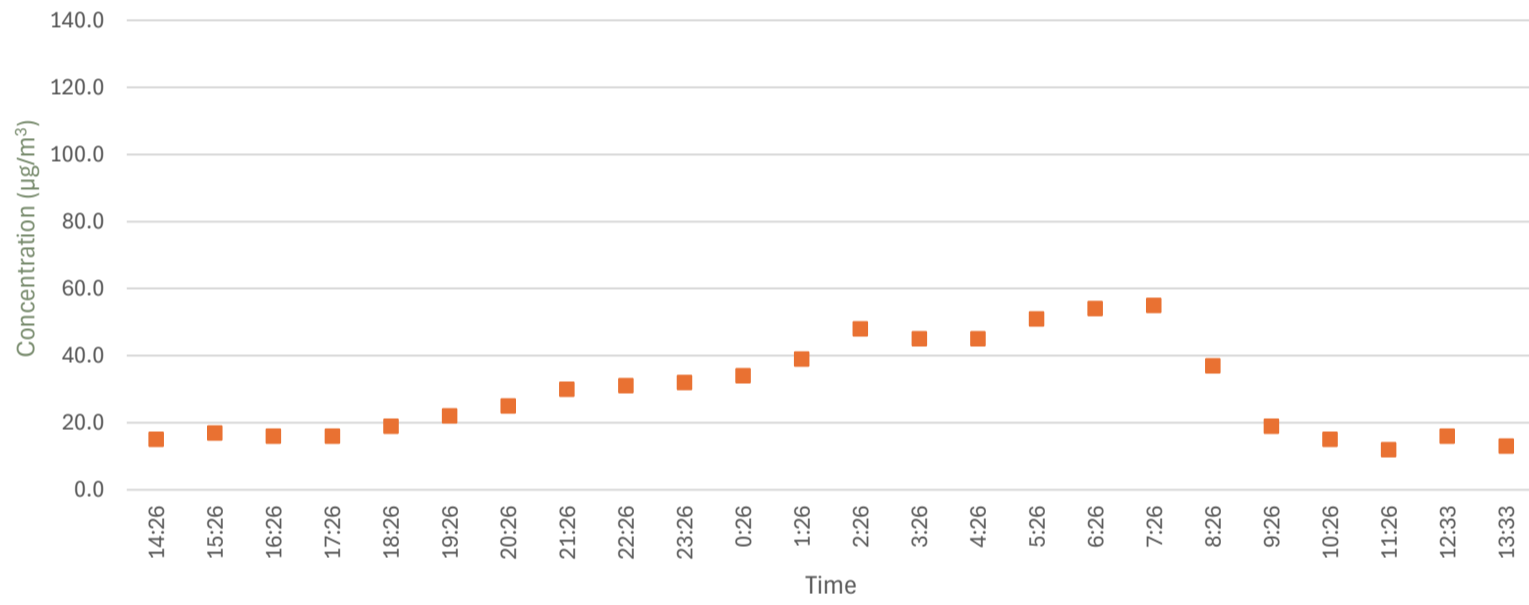
RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Appendix 2.3
Baseline Air Quality Monitoring Data

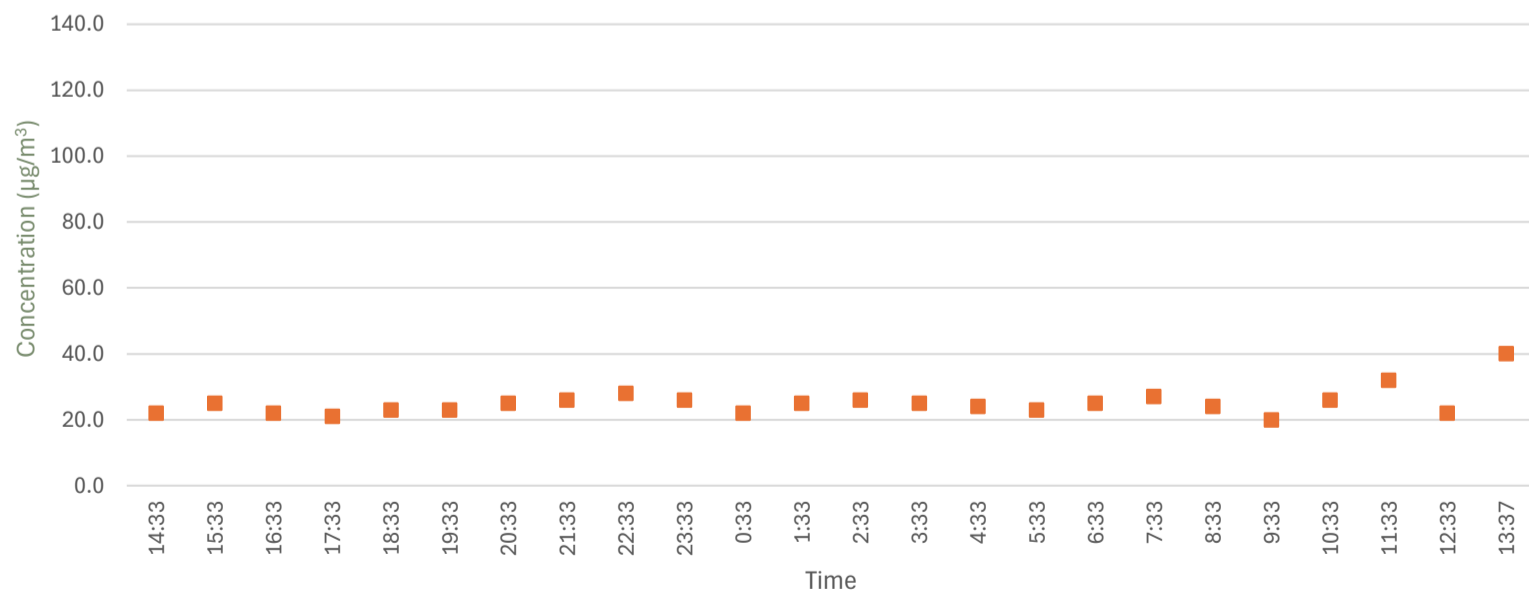
20/03/2025 & 21/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



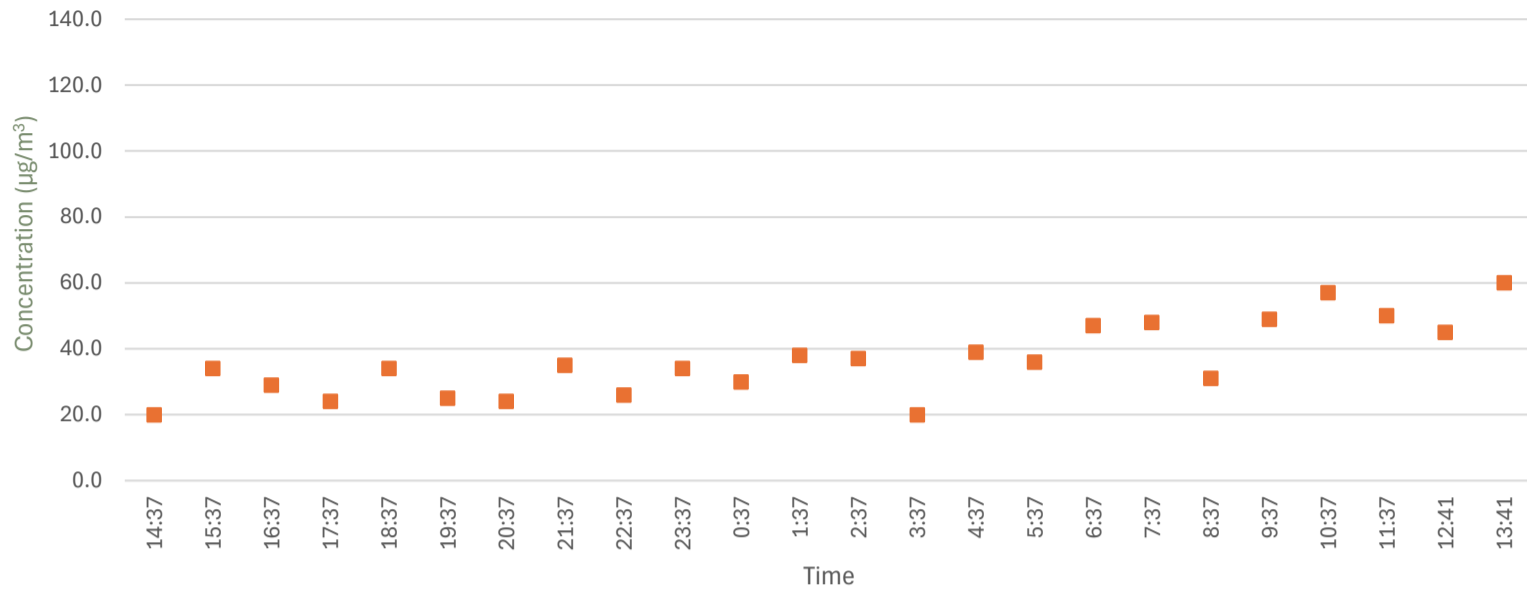
21/03/2025 & 22/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



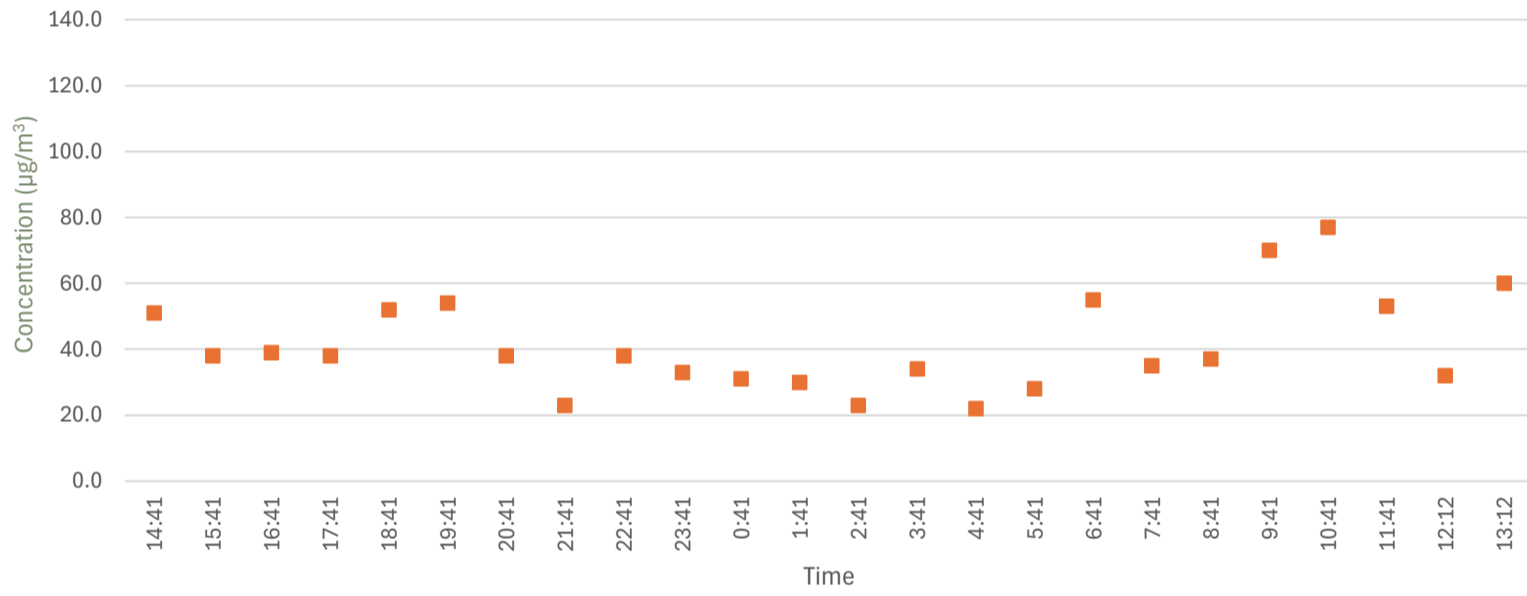
22/03/2025 & 23/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



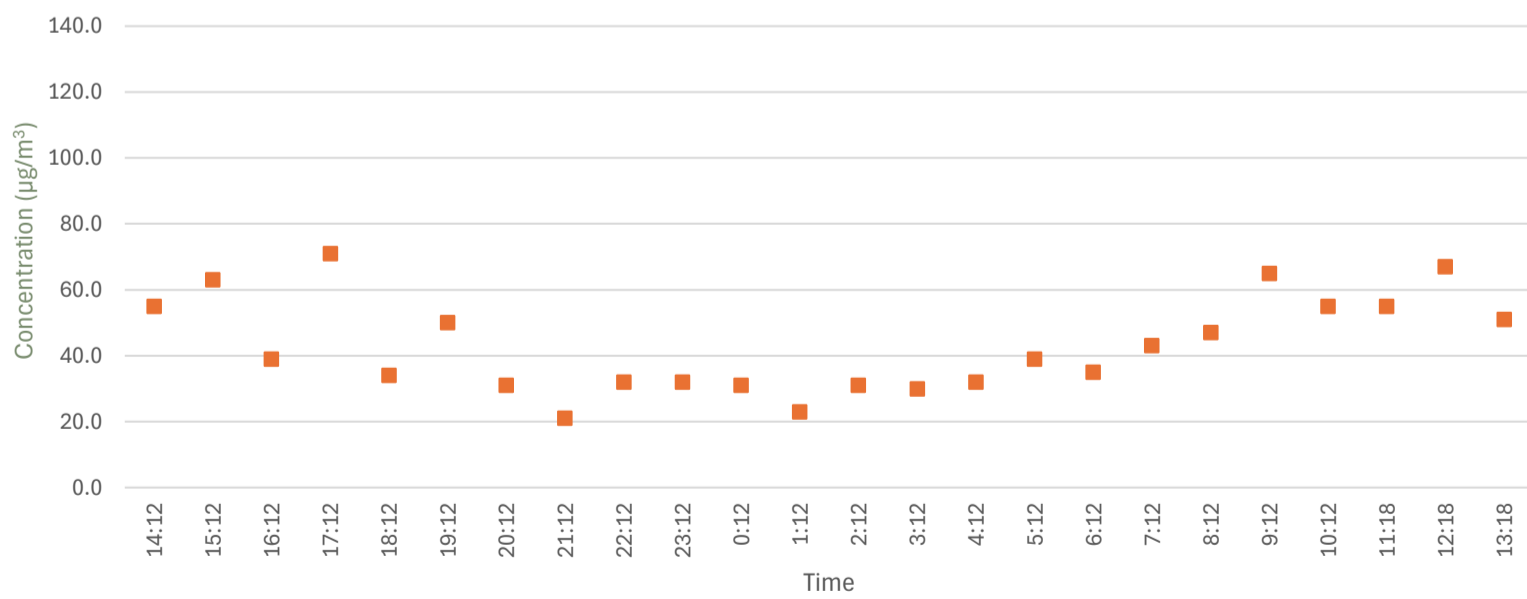
23/03/2025 & 24/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



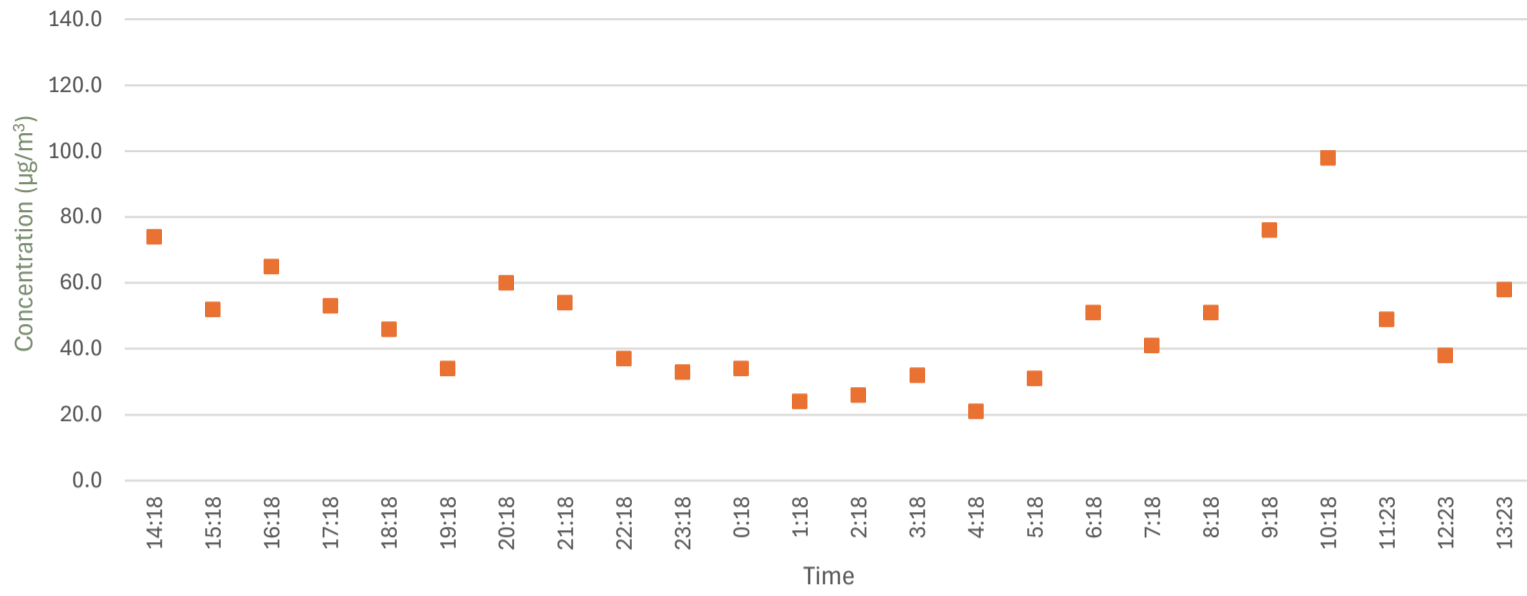
24/03/2025 & 25/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



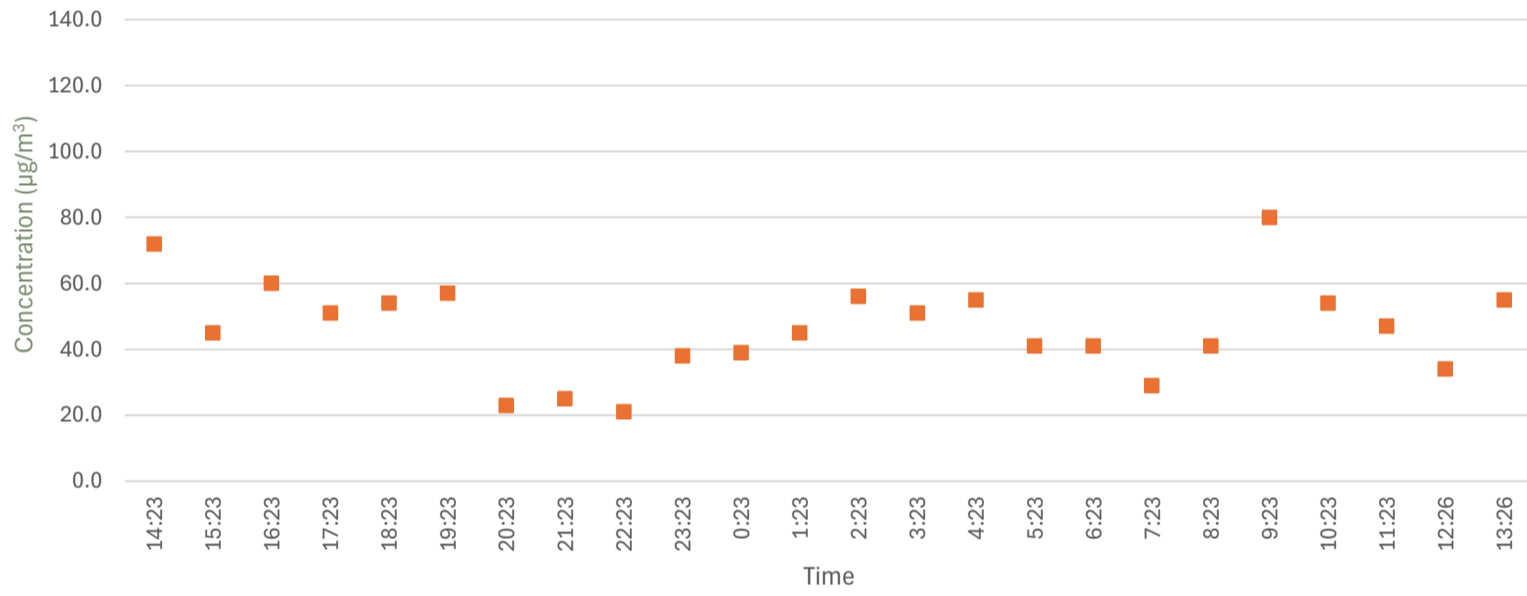
25/03/2025 & 26/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



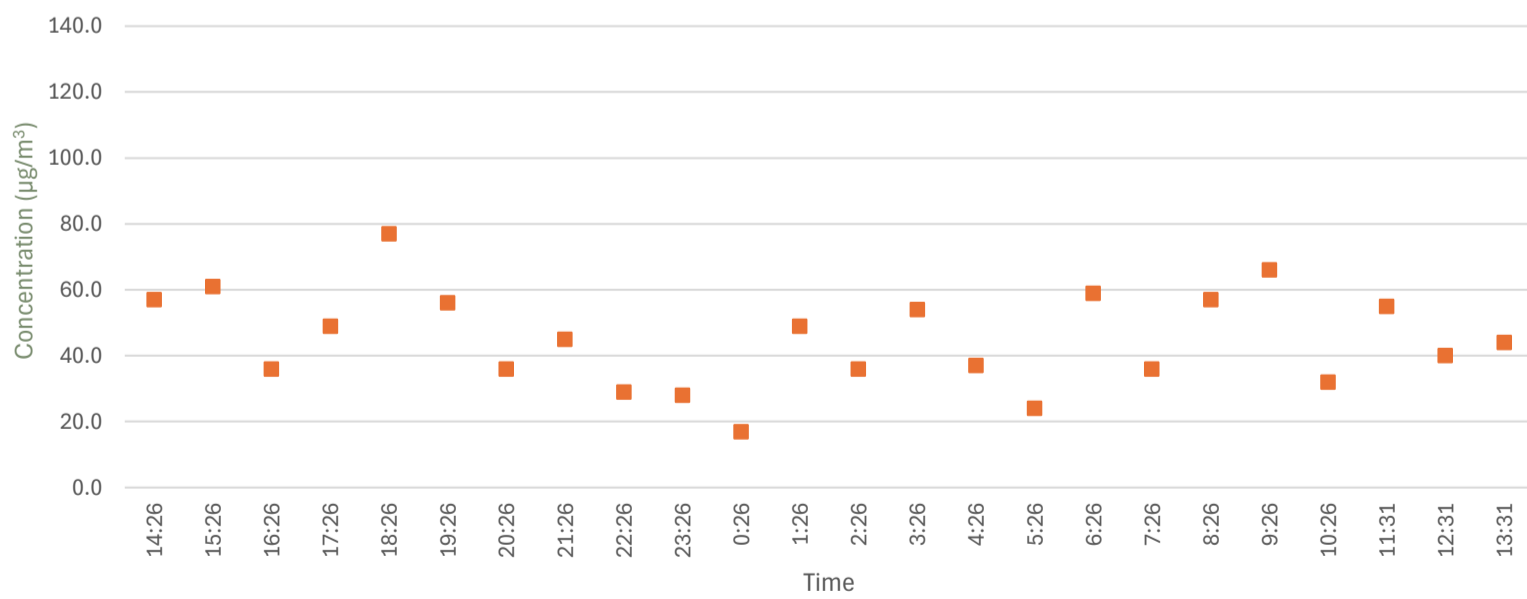
26/03/2025 & 27/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



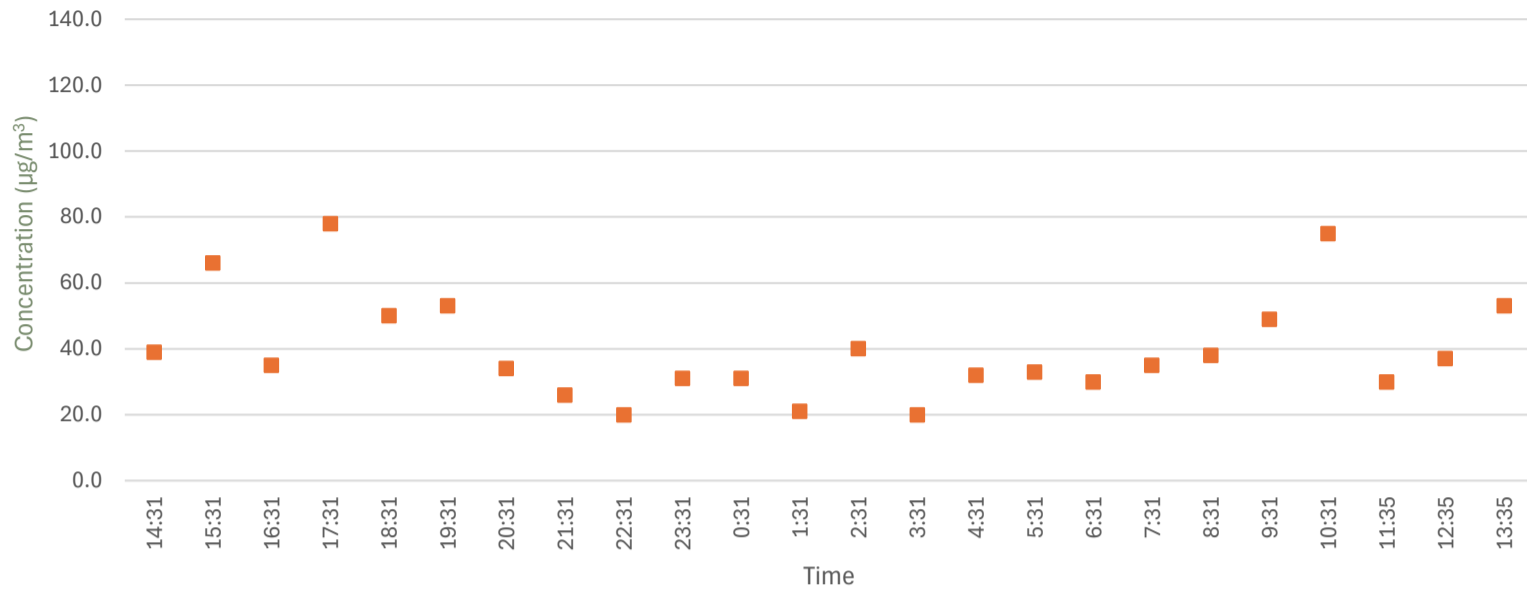
27/03/2025 & 28/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



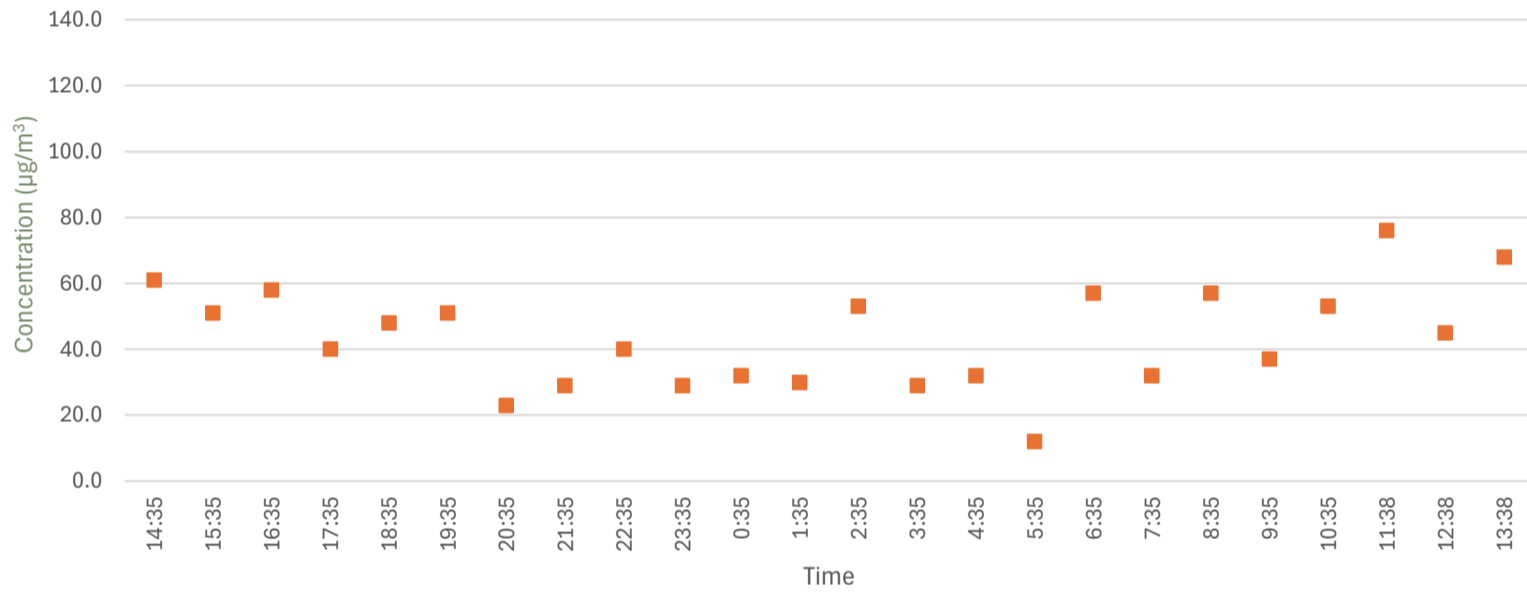
28/03/2025 & 29/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



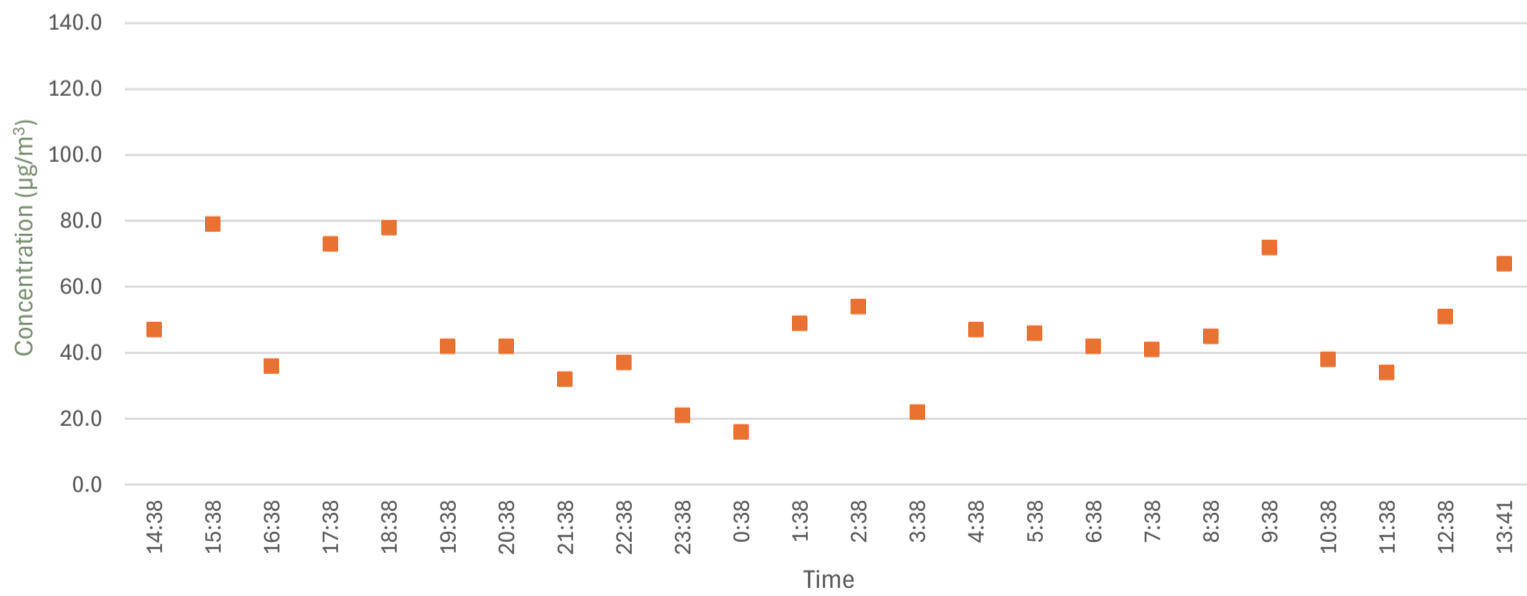
29/03/2025 & 30/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



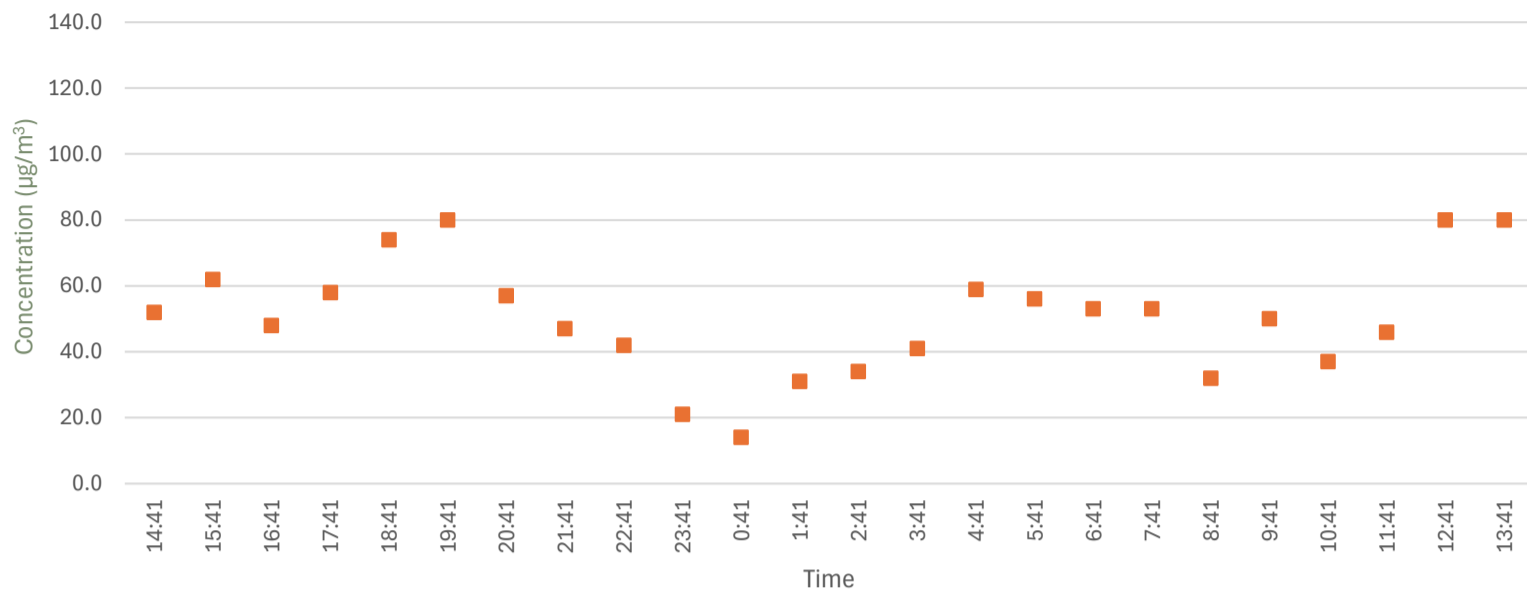
30/03/2025 & 31/03/2025 Station: FLN-DMS6(A) (24-hour TSP)



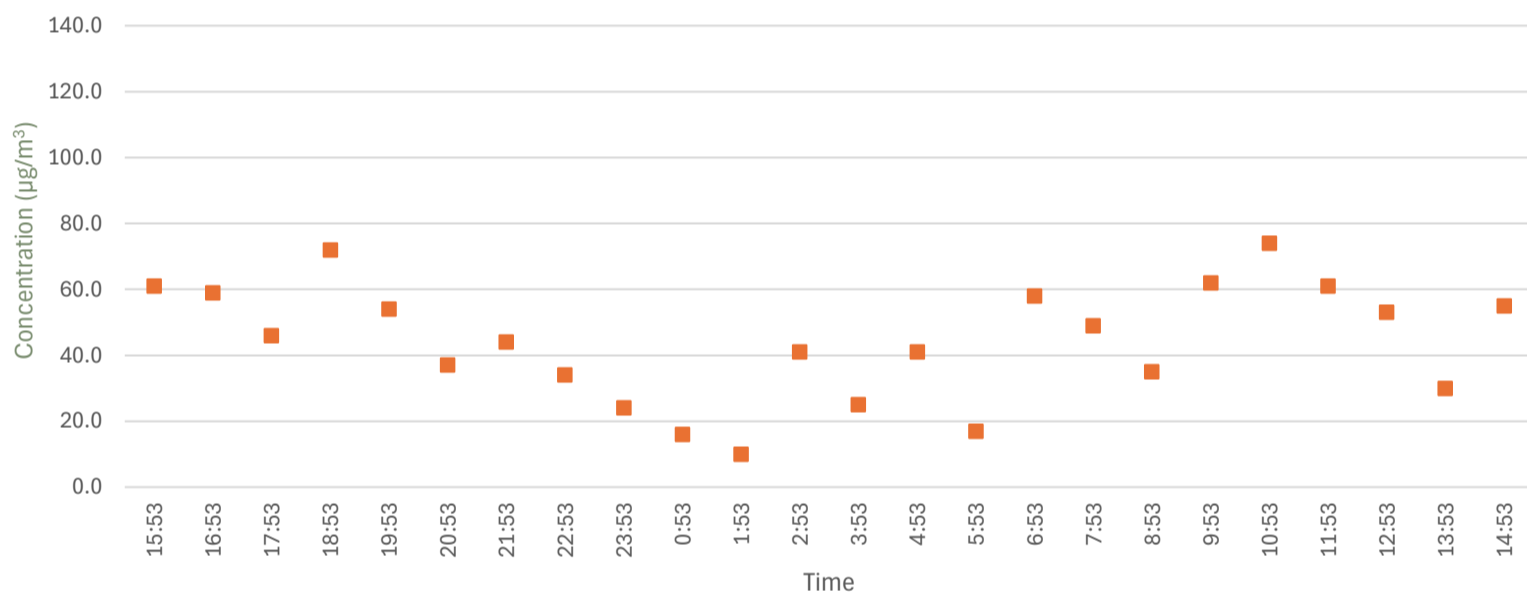
31/03/2025 & 01/04/2025 Station: FLN-DMS6(A) (24-hour TSP)



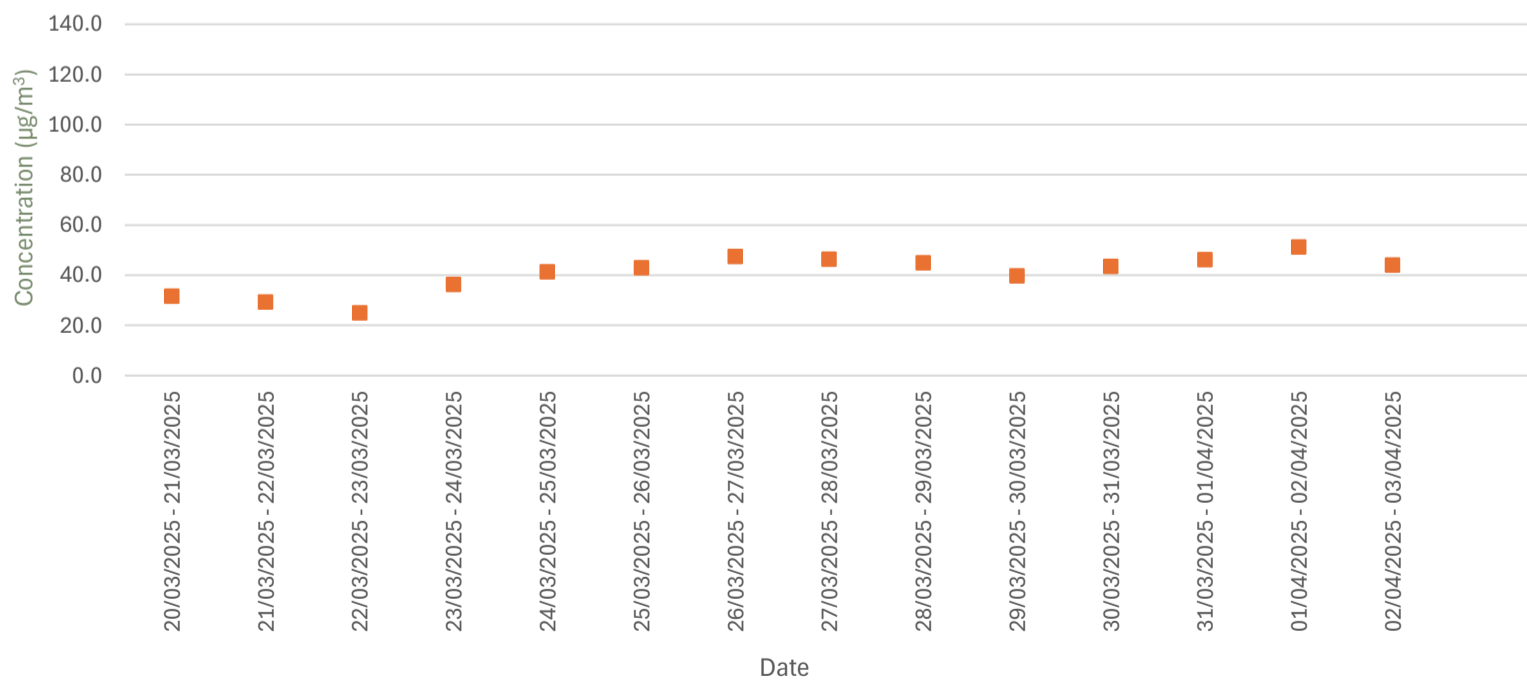
01/04/2025 & 02/04/2025 Station: FLN-DMS6(A) (24-hour TSP)



02/04/2025 & 03/04/2025 Station: FLN-DMS6(A) (24-hour TSP)



Station: FLN-DMS6(A) (24-hour TSP) Over the Whole Baseline Monitoring Period



Station: FLN-DMS6(A) (24-hour TSP)

Date	Start Time	Concentration (µg/m ³)
20/03/2025	14:20	18
20/03/2025	15:20	19
20/03/2025	16:20	19
20/03/2025	17:20	21
20/03/2025	18:20	24
20/03/2025	19:20	25
20/03/2025	20:20	25
20/03/2025	21:20	27
20/03/2025	22:20	29
20/03/2025	23:20	34
21/03/2025	0:20	38
21/03/2025	1:20	42
21/03/2025	2:20	45
21/03/2025	3:20	50
21/03/2025	4:20	51
21/03/2025	5:20	55
21/03/2025	6:20	58
21/03/2025	7:20	57
21/03/2025	8:20	41
21/03/2025	9:20	19
21/03/2025	10:20	17
21/03/2025	11:20	18
Battery Replacement and Data Retrieval		
21/03/2025	12:26	15
21/03/2025	13:26	15
Average (24-hour TSP)		32

Date	Start Time	Concentration (µg/m ³)
21/03/2025	14:26	15
21/03/2025	15:26	17
21/03/2025	16:26	16
21/03/2025	17:26	16
21/03/2025	18:26	19
21/03/2025	19:26	22
21/03/2025	20:26	25
21/03/2025	21:26	30
21/03/2025	22:26	31
21/03/2025	23:26	32
22/03/2025	0:26	34
22/03/2025	1:26	39
22/03/2025	2:26	48
22/03/2025	3:26	45
22/03/2025	4:26	45
22/03/2025	5:26	51
22/03/2025	6:26	54
22/03/2025	7:26	55
22/03/2025	8:26	37
22/03/2025	9:26	19
22/03/2025	10:26	15
22/03/2025	11:26	12
Battery Replacement and Data Retrieval		
22/03/2025	12:33	16
22/03/2025	13:33	13
Average (24-hour TSP)		29

Date	Start Time	Concentration (µg/m ³)
22/03/2025	14:33	22
22/03/2025	15:33	25
22/03/2025	16:33	22
22/03/2025	17:33	21
22/03/2025	18:33	23
22/03/2025	19:33	23
22/03/2025	20:33	25
22/03/2025	21:33	26
22/03/2025	22:33	28
22/03/2025	23:33	26
23/03/2025	0:33	22
23/03/2025	1:33	25
23/03/2025	2:33	26
23/03/2025	3:33	25
23/03/2025	4:33	24
23/03/2025	5:33	23
23/03/2025	6:33	25
23/03/2025	7:33	27
23/03/2025	8:33	24
23/03/2025	9:33	20
23/03/2025	10:33	26
23/03/2025	11:33	32
23/03/2025	12:33	22
Battery Replacement and Data Retrieval		
23/03/2025	13:37	40
Average (24-hour TSP)		25

Date	Start Time	Concentration (µg/m ³)
23/03/2025	14:37	20
23/03/2025	15:37	34
23/03/2025	16:37	29
23/03/2025	17:37	24
23/03/2025	18:37	34
23/03/2025	19:37	25
23/03/2025	20:37	24
23/03/2025	21:37	35
23/03/2025	22:37	26
23/03/2025	23:37	34
24/03/2025	0:37	30
24/03/2025	1:37	38
24/03/2025	2:37	37
24/03/2025	3:37	20
24/03/2025	4:37	39
24/03/2025	5:37	36
24/03/2025	6:37	47
24/03/2025	7:37	48
24/03/2025	8:37	31
24/03/2025	9:37	49
24/03/2025	10:37	57
24/03/2025	11:37	50
Battery Replacement and Data Retrieval		
24/03/2025	12:41	45
24/03/2025	13:41	60
Average (24-hour TSP)		36

Station: FLN-DMS6(A) (24-hour TSP)

Date	Start Time	Concentration (µg/m ³)
24/03/2025	14:41	51
24/03/2025	15:41	38
24/03/2025	16:41	39
24/03/2025	17:41	38
24/03/2025	18:41	52
24/03/2025	19:41	54
24/03/2025	20:41	38
24/03/2025	21:41	23
24/03/2025	22:41	38
24/03/2025	23:41	33
25/03/2025	0:41	31
25/03/2025	1:41	30
25/03/2025	2:41	23
25/03/2025	3:41	34
25/03/2025	4:41	22
25/03/2025	5:41	28
25/03/2025	6:41	55
25/03/2025	7:41	35
25/03/2025	8:41	37
25/03/2025	9:41	70
25/03/2025	10:41	77
Battery Replacement and Data Retrieval		
25/03/2025	11:41	53
25/03/2025	12:12	32
25/03/2025	13:12	60
Average (24-hour TSP)		41

Date	Start Time	Concentration (µg/m ³)
25/03/2025	14:12	55
25/03/2025	15:12	63
25/03/2025	16:12	39
25/03/2025	17:12	71
25/03/2025	18:12	34
25/03/2025	19:12	50
25/03/2025	20:12	31
25/03/2025	21:12	21
25/03/2025	22:12	32
25/03/2025	23:12	32
26/03/2025	0:12	31
26/03/2025	1:12	23
26/03/2025	2:12	31
26/03/2025	3:12	30
26/03/2025	4:12	32
26/03/2025	5:12	39
26/03/2025	6:12	35
26/03/2025	7:12	43
26/03/2025	8:12	47
26/03/2025	9:12	65
26/03/2025	10:12	55
Battery Replacement and Data Retrieval		
26/03/2025	11:18	55
26/03/2025	12:18	67
26/03/2025	13:18	51
Average (24-hour TSP)		43

Date	Start Time	Concentration (µg/m ³)
26/03/2025	14:18	74
26/03/2025	15:18	52
26/03/2025	16:18	65
26/03/2025	17:18	53
26/03/2025	18:18	46
26/03/2025	19:18	34
26/03/2025	20:18	60
26/03/2025	21:18	54
26/03/2025	22:18	37
26/03/2025	23:18	33
27/03/2025	0:18	34
27/03/2025	1:18	24
27/03/2025	2:18	26
27/03/2025	3:18	32
27/03/2025	4:18	21
27/03/2025	5:18	31
27/03/2025	6:18	51
27/03/2025	7:18	41
27/03/2025	8:18	51
27/03/2025	9:18	76
27/03/2025	10:18	98
Battery Replacement and Data Retrieval		
27/03/2025	11:23	49
27/03/2025	12:23	38
27/03/2025	13:23	58
Average (24-hour TSP)		47

Date	Start Time	Concentration (µg/m ³)
27/03/2025	14:23	72
27/03/2025	15:23	45
27/03/2025	16:23	60
27/03/2025	17:23	51
27/03/2025	18:23	54
27/03/2025	19:23	57
27/03/2025	20:23	23
27/03/2025	21:23	25
27/03/2025	22:23	21
27/03/2025	23:23	38
28/03/2025	0:23	39
28/03/2025	1:23	45
28/03/2025	2:23	56
28/03/2025	3:23	51
28/03/2025	4:23	55
28/03/2025	5:23	41
28/03/2025	6:23	41
28/03/2025	7:23	29
28/03/2025	8:23	41
28/03/2025	9:23	80
28/03/2025	10:23	54
28/03/2025	11:23	47
Battery Replacement and Data Retrieval		
28/03/2025	12:26	34
28/03/2025	13:26	55
Average (24-hour TSP)		46

Station: FLN-DMS6(A) (24-hour TSP)

Date	Start Time	Concentration (µg/m ³)
28/03/2025	14:26	57
28/03/2025	15:26	61
28/03/2025	16:26	36
28/03/2025	17:26	49
28/03/2025	18:26	77
28/03/2025	19:26	56
28/03/2025	20:26	36
28/03/2025	21:26	45
28/03/2025	22:26	29
28/03/2025	23:26	28
29/03/2025	0:26	17
29/03/2025	1:26	49
29/03/2025	2:26	36
29/03/2025	3:26	54
29/03/2025	4:26	37
29/03/2025	5:26	24
29/03/2025	6:26	59
29/03/2025	7:26	36
29/03/2025	8:26	57
29/03/2025	9:26	66
29/03/2025	10:26	32
Battery Replacement and Data Retrieval		
29/03/2025	11:31	55
29/03/2025	12:31	40
29/03/2025	13:31	44
Average (24-hour TSP)		45

Date	Start Time	Concentration (µg/m ³)
29/03/2025	14:31	39
29/03/2025	15:31	66
29/03/2025	16:31	35
29/03/2025	17:31	78
29/03/2025	18:31	50
29/03/2025	19:31	53
29/03/2025	20:31	34
29/03/2025	21:31	26
29/03/2025	22:31	20
29/03/2025	23:31	31
30/03/2025	0:31	31
30/03/2025	1:31	21
30/03/2025	2:31	40
30/03/2025	3:31	20
30/03/2025	4:31	32
30/03/2025	5:31	33
30/03/2025	6:31	30
30/03/2025	7:31	35
30/03/2025	8:31	38
30/03/2025	9:31	49
30/03/2025	10:31	75
Battery Replacement and Data Retrieval		
30/03/2025	11:35	30
30/03/2025	12:35	37
30/03/2025	13:35	53
Average (24-hour TSP)		40

Date	Start Time	Concentration (µg/m ³)
30/03/2025	14:35	61
30/03/2025	15:35	51
30/03/2025	16:35	58
30/03/2025	17:35	40
30/03/2025	18:35	48
30/03/2025	19:35	51
30/03/2025	20:35	23
30/03/2025	21:35	29
30/03/2025	22:35	40
30/03/2025	23:35	29
31/03/2025	0:35	32
31/03/2025	1:35	30
31/03/2025	2:35	53
31/03/2025	3:35	29
31/03/2025	4:35	32
31/03/2025	5:35	12
31/03/2025	6:35	57
31/03/2025	7:35	32
31/03/2025	8:35	57
31/03/2025	9:35	37
31/03/2025	10:35	53
Battery Replacement and Data Retrieval		
31/03/2025	11:38	76
31/03/2025	12:38	45
31/03/2025	13:38	68
Average (24-hour TSP)		43

Date	Start Time	Concentration (µg/m ³)
31/03/2025	14:38	47
31/03/2025	15:38	79
31/03/2025	16:38	36
31/03/2025	17:38	73
31/03/2025	18:38	78
31/03/2025	19:38	42
31/03/2025	20:38	42
31/03/2025	21:38	32
31/03/2025	22:38	37
31/03/2025	23:38	21
1/04/2025	0:38	16
1/04/2025	1:38	49
1/04/2025	2:38	54
1/04/2025	3:38	22
1/04/2025	4:38	47
1/04/2025	5:38	46
1/04/2025	6:38	42
1/04/2025	7:38	41
1/04/2025	8:38	45
1/04/2025	9:38	72
1/04/2025	10:38	38
Battery Replacement and Data Retrieval		
1/04/2025	11:38	34
1/04/2025	12:38	51
1/04/2025	13:41	67
Average (24-hour TSP)		46

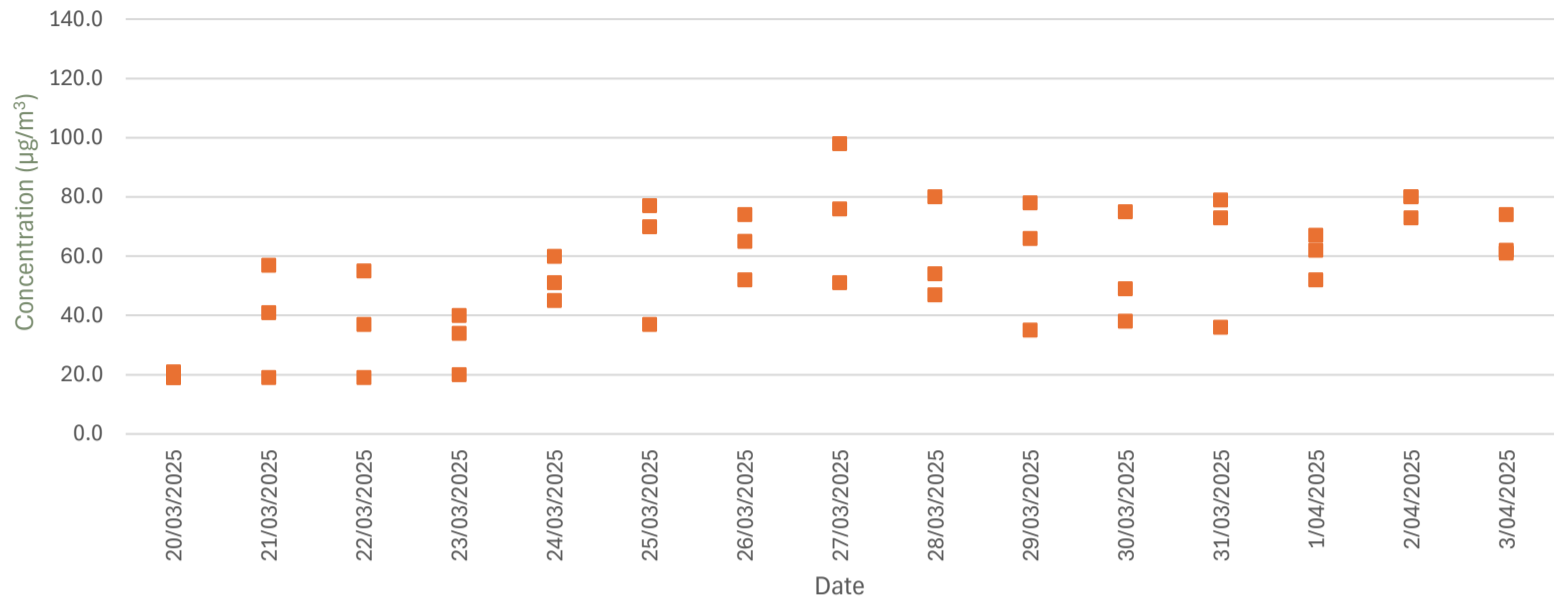
Station: FLN-DMS6(A) (24-hour TSP)

Date	Start Time	Concentration ($\mu\text{g}/\text{m}^3$)
1/04/2025	14:41	52
1/04/2025	15:41	62
1/04/2025	16:41	48
1/04/2025	17:41	58
1/04/2025	18:41	74
1/04/2025	19:41	80
1/04/2025	20:41	57
1/04/2025	21:41	47
1/04/2025	22:41	42
1/04/2025	23:41	21
2/04/2025	0:41	14
2/04/2025	1:41	31
2/04/2025	2:41	34
2/04/2025	3:41	41
2/04/2025	4:41	59
2/04/2025	5:41	56
2/04/2025	6:41	53
2/04/2025	7:41	53
2/04/2025	8:41	32
2/04/2025	9:41	50
2/04/2025	10:41	37
2/04/2025	11:41	46
2/04/2025	12:41	80
2/04/2025	13:41	80
2/04/2025	14:41	73
Average (24-hour TSP)		51

Date	Start Time	Concentration ($\mu\text{g}/\text{m}^3$)
Battery Replacement and Data Retrieval		
2/04/2025	15:53	61
2/04/2025	16:53	59
2/04/2025	17:53	46
2/04/2025	18:53	72
2/04/2025	19:53	54
2/04/2025	20:53	37
2/04/2025	21:53	44
2/04/2025	22:53	34
2/04/2025	23:53	24
3/04/2025	0:53	16
3/04/2025	1:53	10
3/04/2025	2:53	41
3/04/2025	3:53	25
3/04/2025	4:53	41
3/04/2025	5:53	17
3/04/2025	6:53	58
3/04/2025	7:53	49
3/04/2025	8:53	35
3/04/2025	9:53	62
3/04/2025	10:53	74
3/04/2025	11:53	61
3/04/2025	12:53	53
3/04/2025	13:53	30
3/04/2025	14:53	55
Average (24-hour TSP)		44

Summary of Air Quality Monitoring Results (24-hour TSP)	
Date	Concentration ($\mu\text{g}/\text{m}^3$)
20/03/2025	32
21/03/2025	29
22/03/2025	25
23/03/2025	36
24/03/2025	41
25/03/2025	43
26/03/2025	47
27/03/2025	46
28/03/2025	45
29/03/2025	40
30/03/2025	43
31/03/2025	46
1/04/2025	51
2/04/2025	44
Average	41
Maximum	51
Minimum	25

20/03/2025 - 03/04/2025 Station: FLN-DMS6(A) (1-hour TSP)

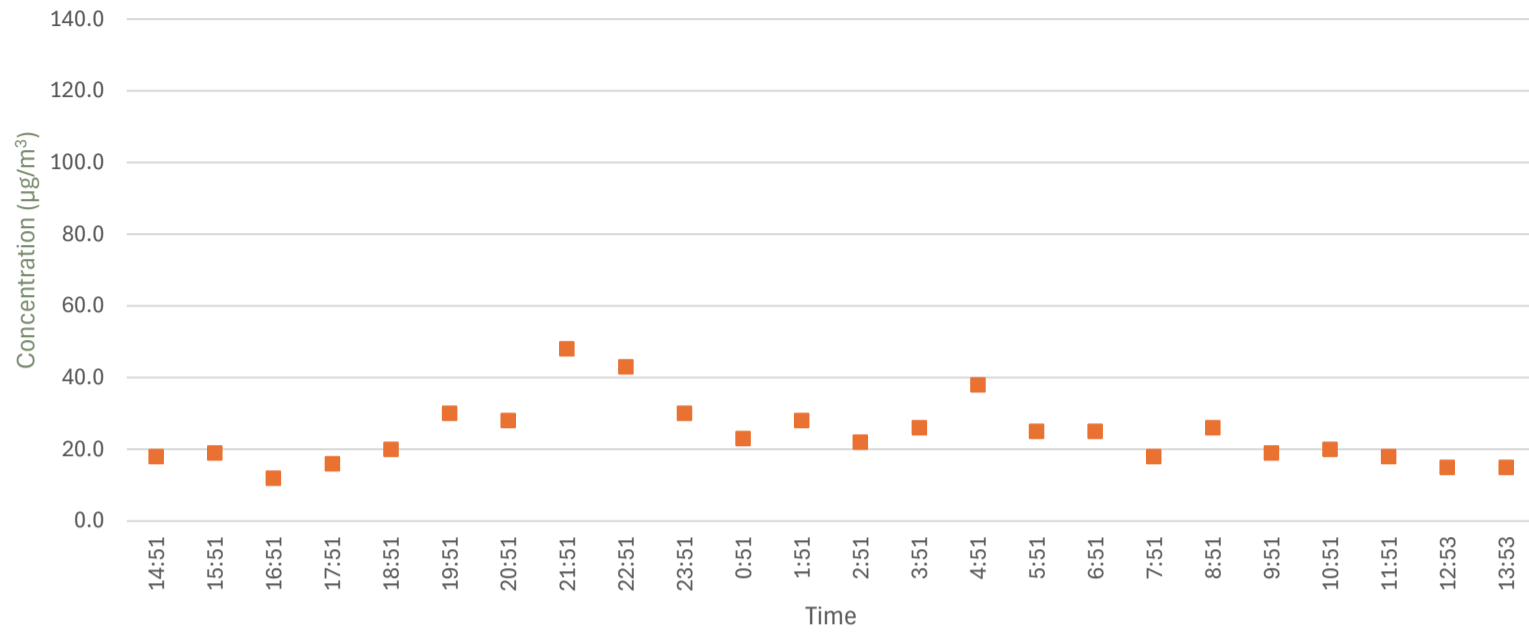


Station: FLN-DMS6(A) (1-hour TSP)

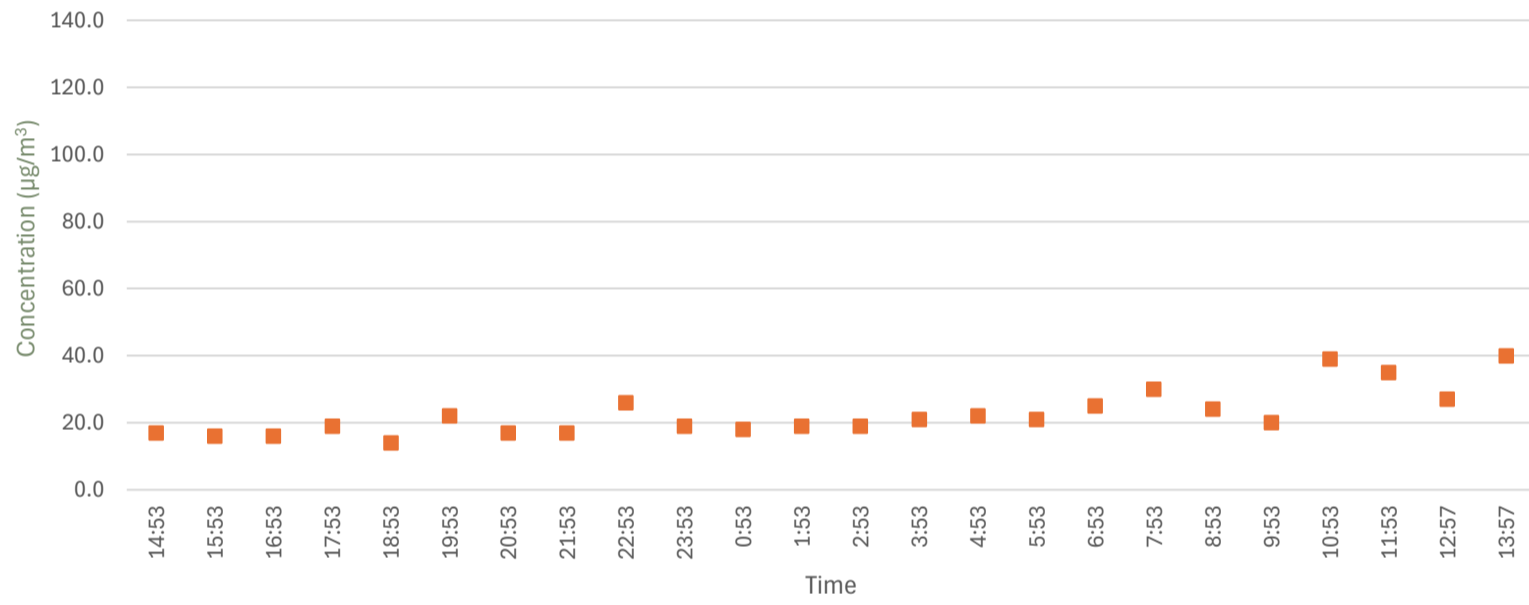
Summary of Air Quality Monitoring Results (1-hour TSP)

Date	Start Time	Concentration ($\mu\text{g}/\text{m}^3$)
20/03/2025	15:20	19
20/03/2025	16:20	19
20/03/2025	17:20	21
21/03/2025	7:20	57
21/03/2025	8:20	41
21/03/2025	9:20	19
22/03/2025	7:26	55
22/03/2025	8:26	37
22/03/2025	9:26	19
23/03/2025	13:37	40
23/03/2025	14:37	20
23/03/2025	15:37	34
24/03/2025	12:41	45
24/03/2025	13:41	60
24/03/2025	14:41	51
25/03/2025	8:41	37
25/03/2025	9:41	70
25/03/2025	10:41	77
26/03/2025	14:18	74
26/03/2025	15:18	52
26/03/2025	16:18	65
27/03/2025	8:18	51
27/03/2025	9:18	76
27/03/2025	10:18	98
28/03/2025	9:23	80
28/03/2025	10:23	54
28/03/2025	11:23	47
29/03/2025	15:31	66
29/03/2025	16:31	35
29/03/2025	17:31	78
30/03/2025	8:31	38
30/03/2025	9:31	49
30/03/2025	10:31	75
31/03/2025	15:38	79
31/03/2025	16:38	36
31/03/2025	17:38	73
1/04/2025	13:41	67
1/04/2025	14:41	52
1/04/2025	15:41	62
2/04/2025	12:41	80
2/04/2025	13:41	80
2/04/2025	14:41	73
	Average	54
	Maximum	98
	Minimum	19

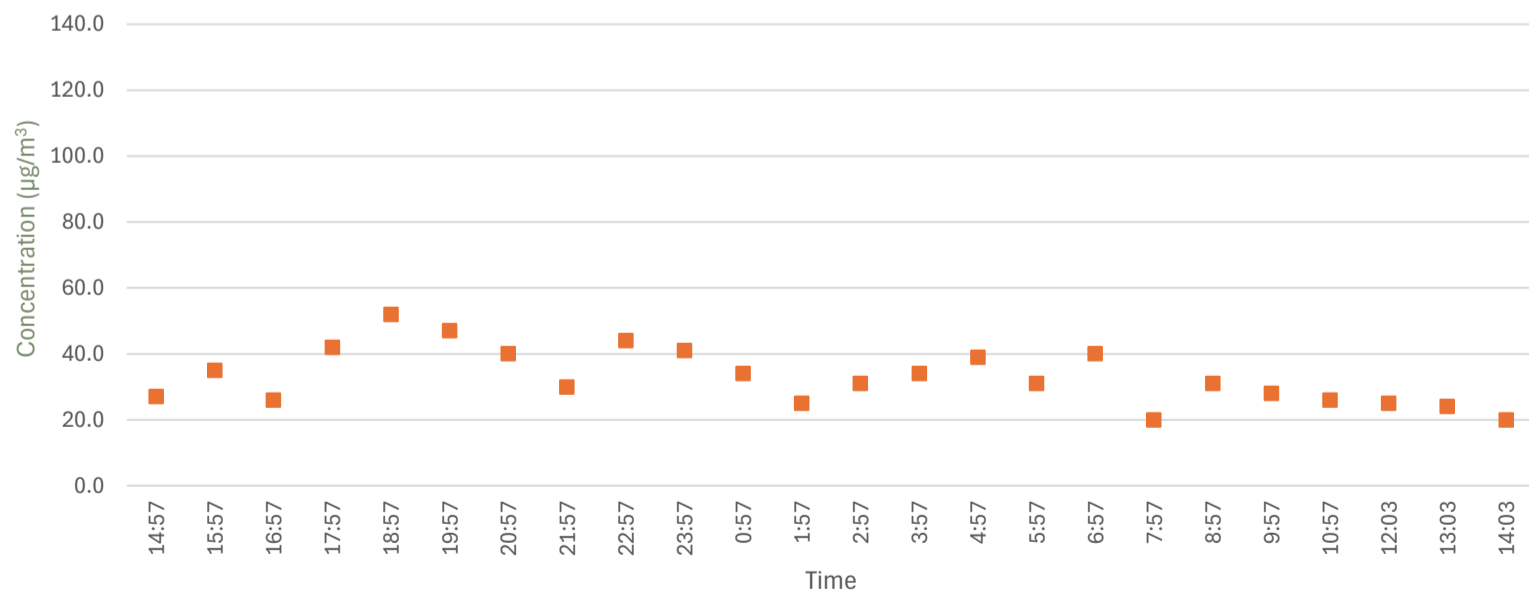
29/11/2024 & 30/11/2024 Station: FLN-DMS7 (24-hour TSP)



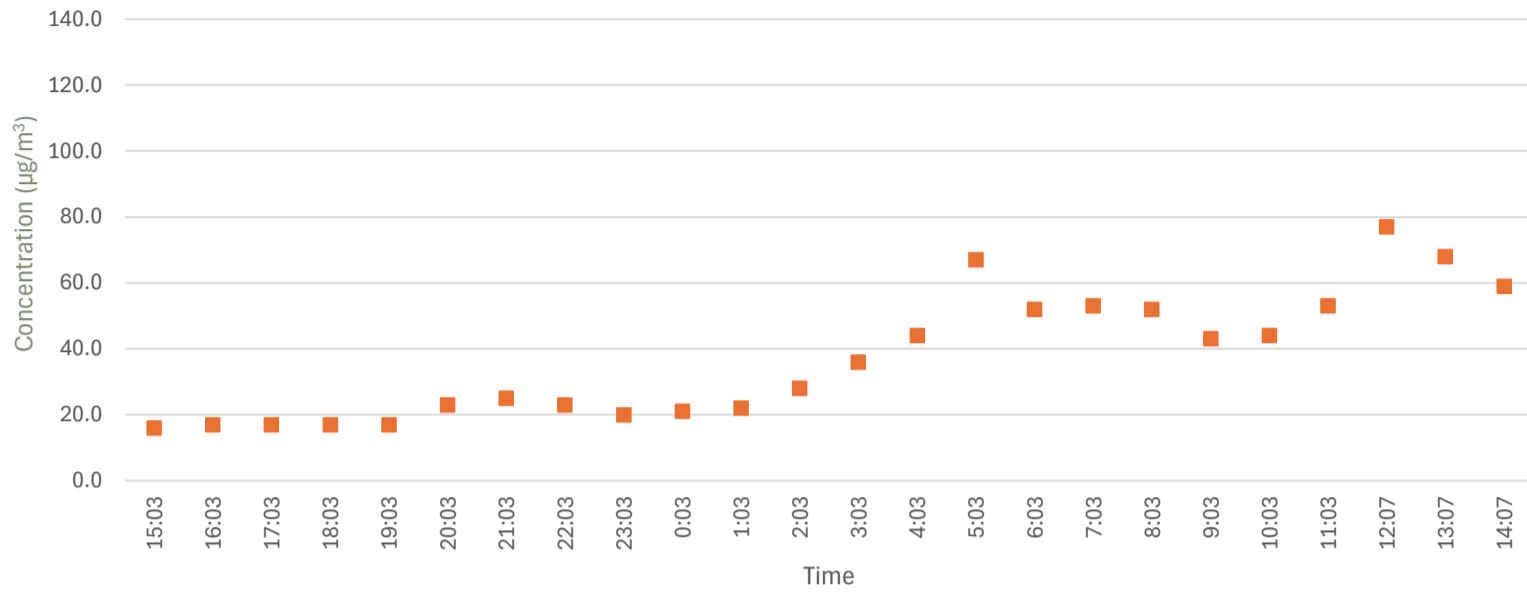
30/11/2024 & 01/12/2024 Station: FLN-DMS7 (24-hour TSP)



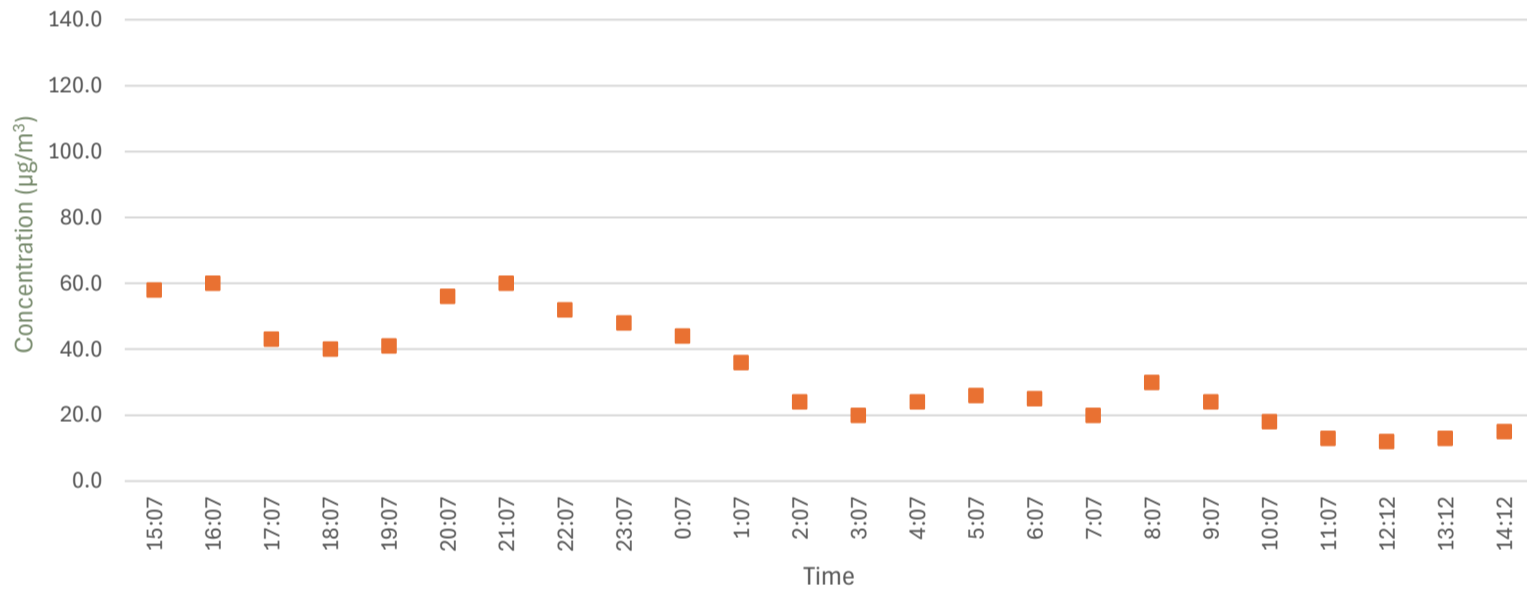
01/12/2024 & 02/12/2024 Station: FLN-DMS7 (24-hour TSP)



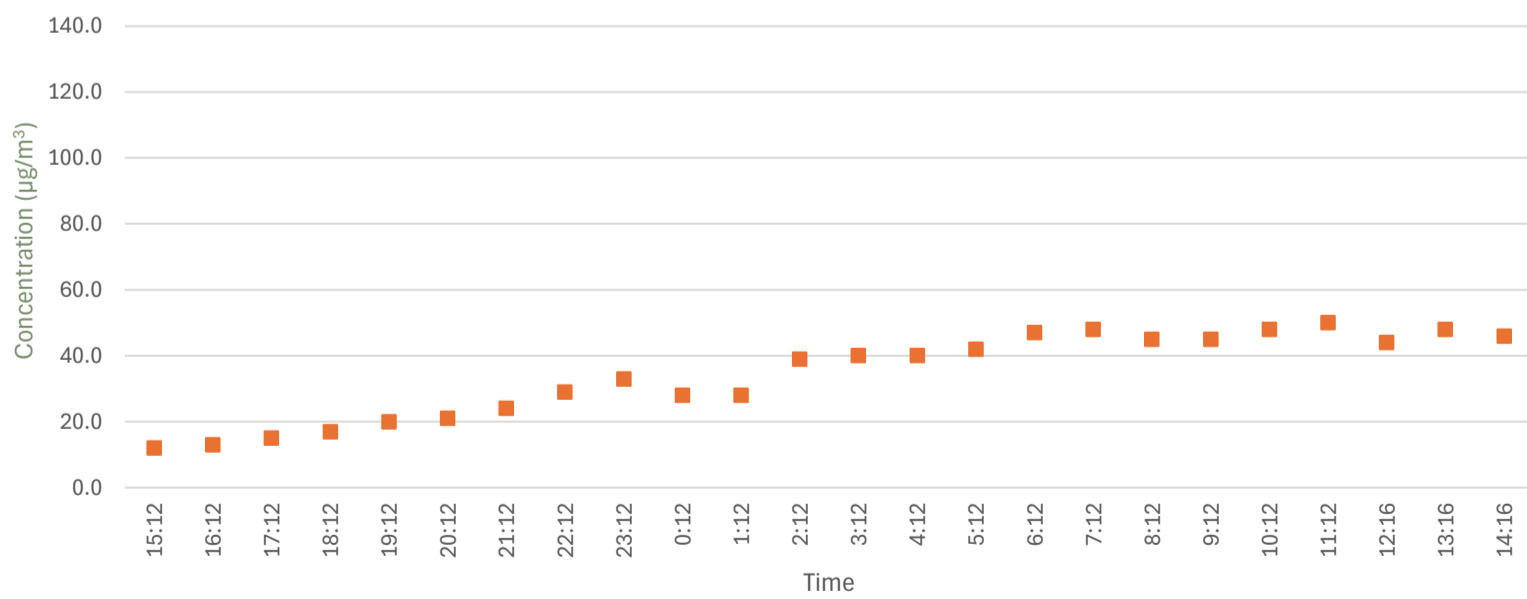
02/12/2024 & 03/12/2024 Station: FLN-DMS7 (24-hour TSP)



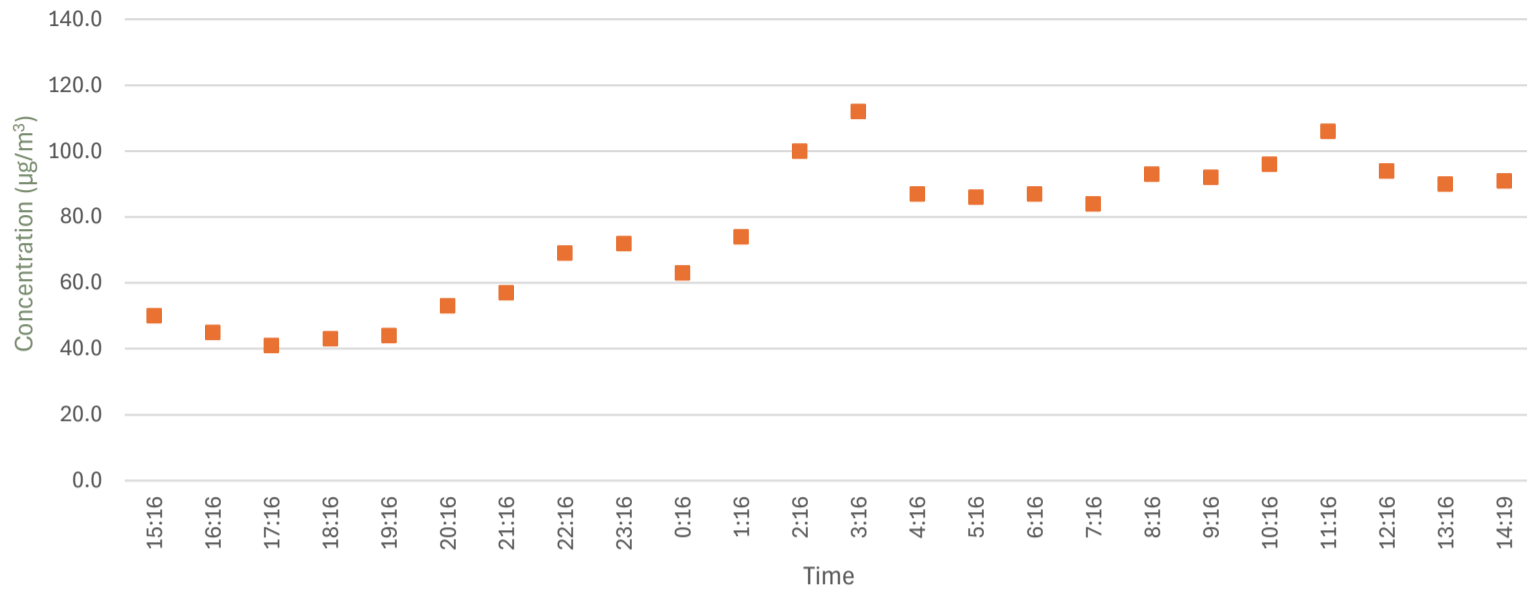
03/12/2024 & 04/12/2024 Station: FLN-DMS7 (24-hour TSP)



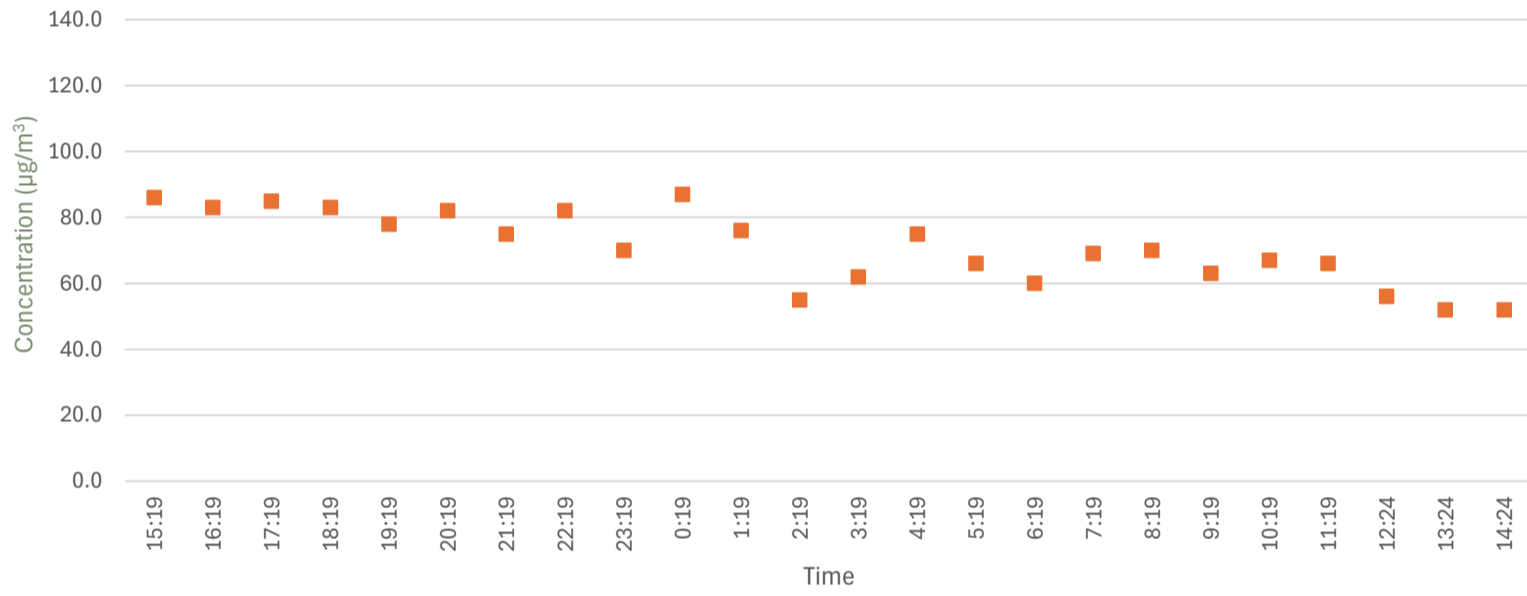
04/12/2024 & 05/12/2024 Station: FLN-DMS7 (24-hour TSP)



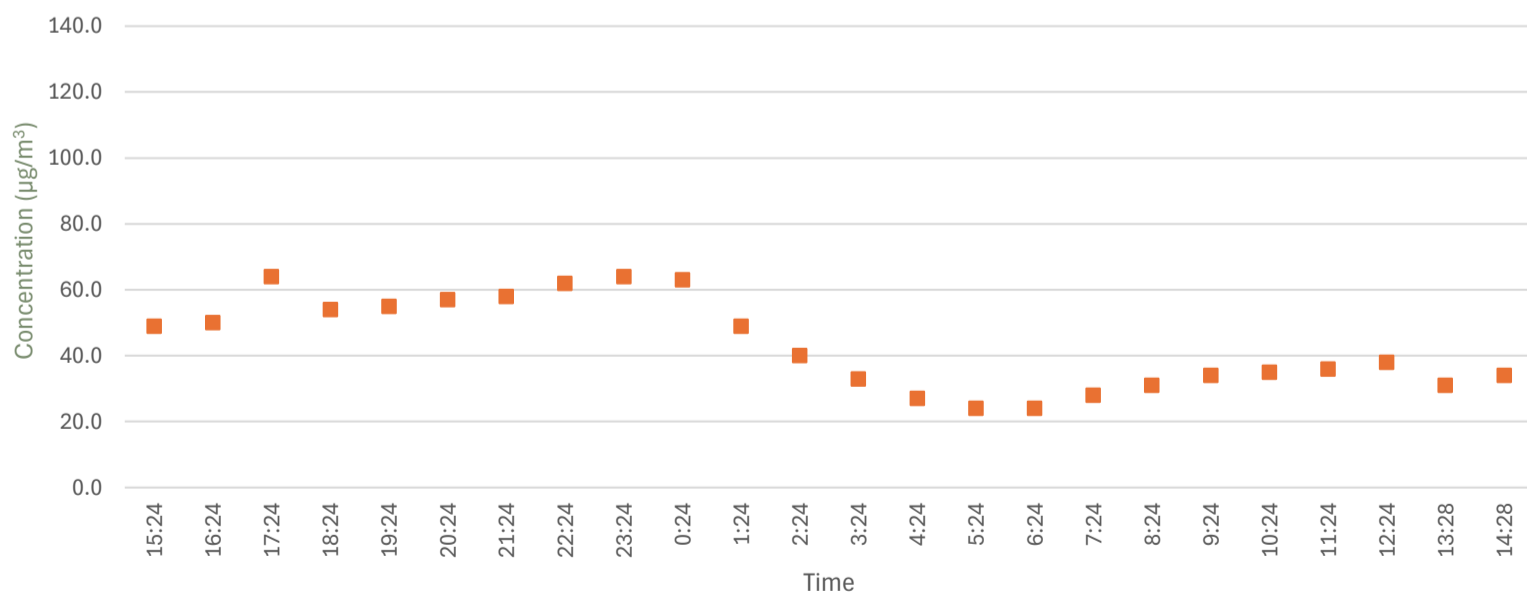
05/12/2024 & 06/12/2024 Station: FLN-DMS7 (24-hour TSP)



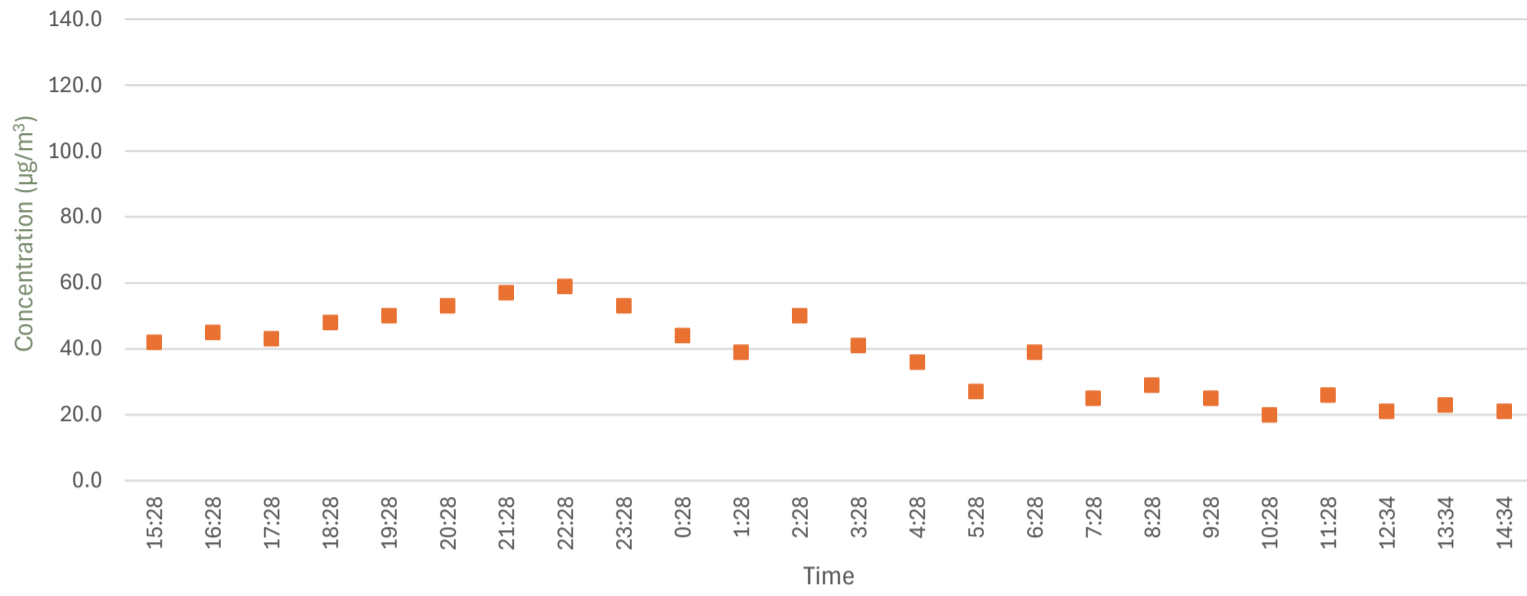
06/12/2024 & 07/12/2024 Station: FLN-DMS7 (24-hour TSP)



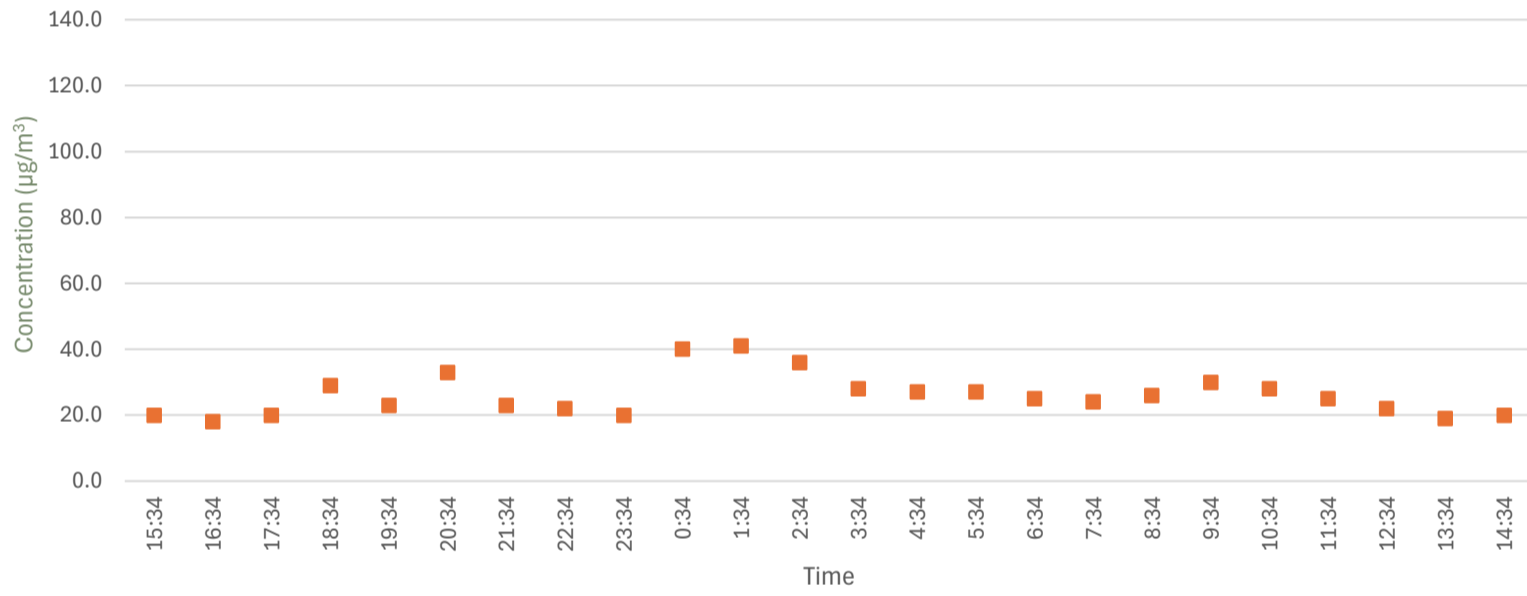
07/12/2024 & 08/12/2024 Station: FLN-DMS7 (24-hour TSP)



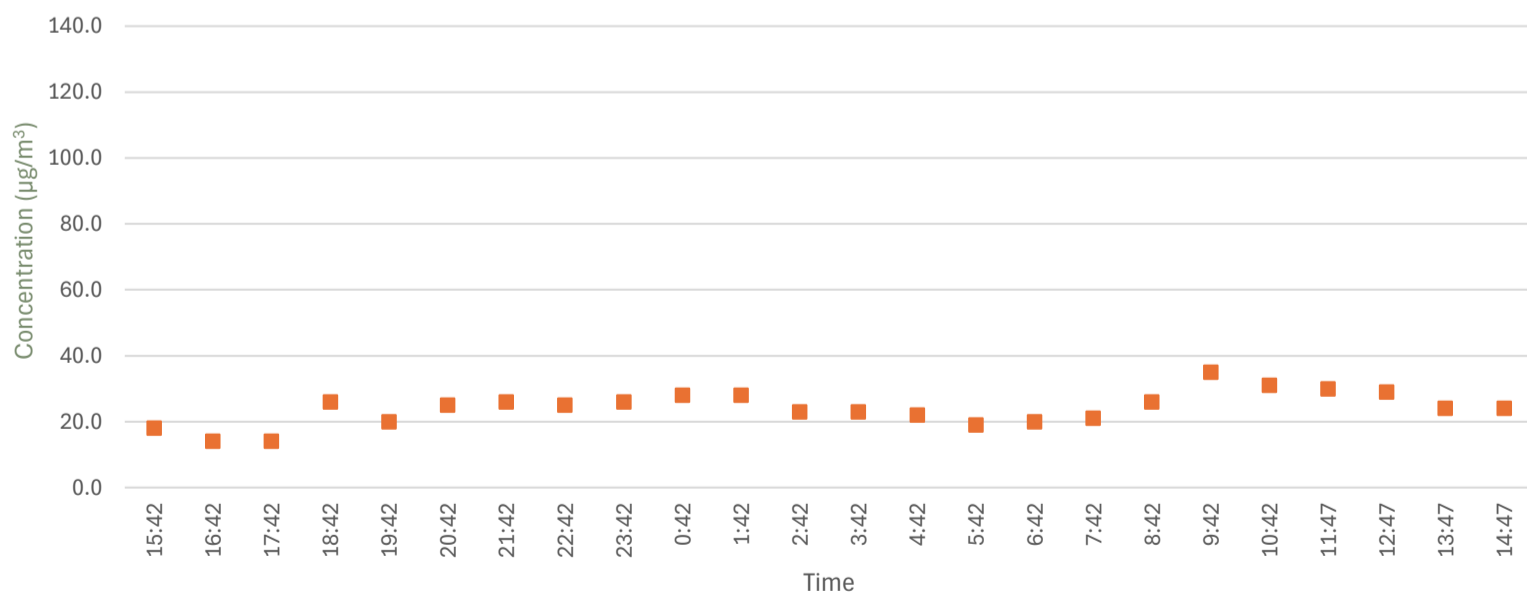
08/12/2024 & 09/12/2024 Station: FLN-DMS7 (24-hour TSP)



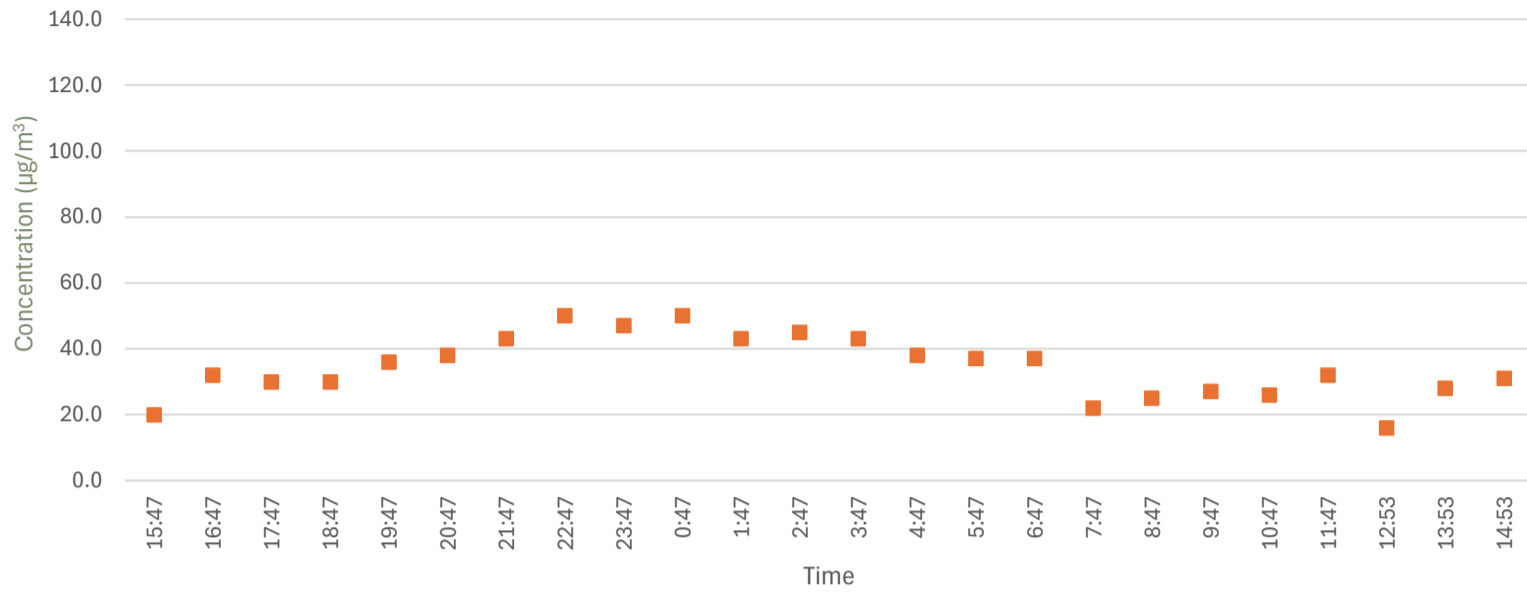
09/12/2024 & 10/12/2024 Station: FLN-DMS7 (24-hour TSP)



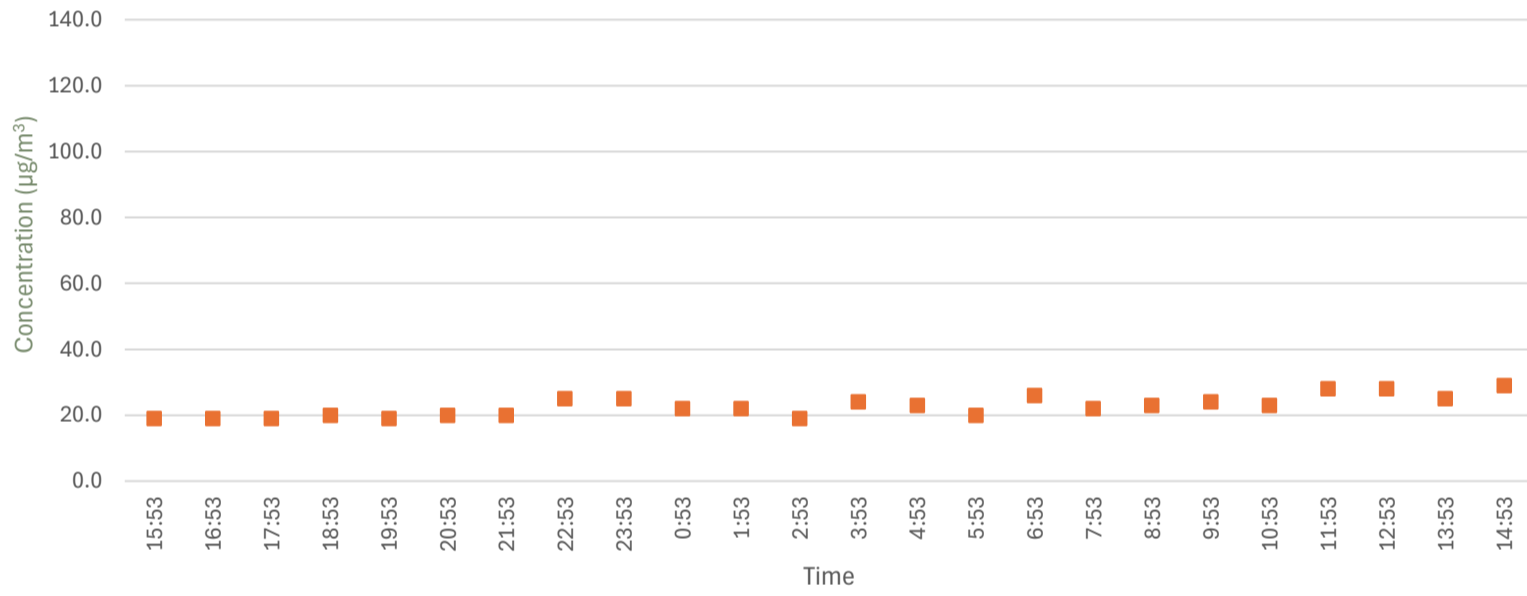
10/12/2024 & 11/12/2024 Station: FLN-DMS7 (24-hour TSP)



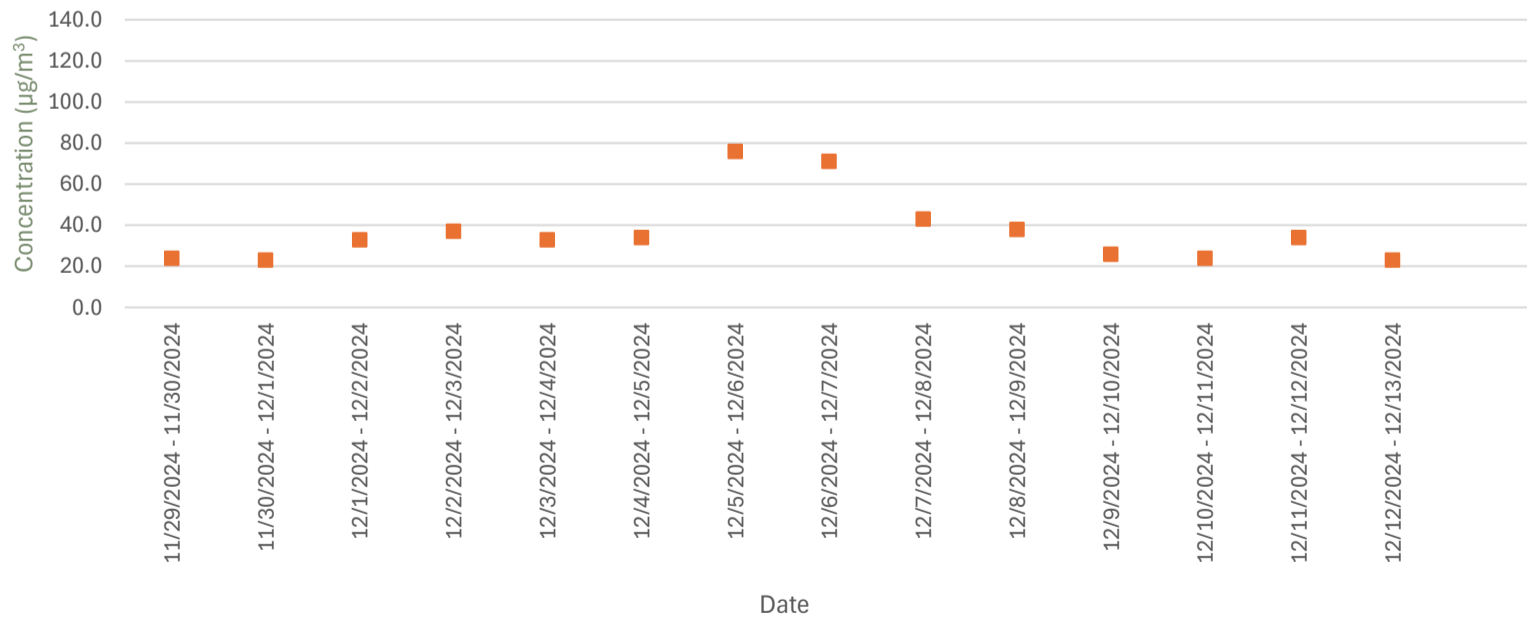
11/12/2024 & 12/12/2024 Station: FLN-DMS7 (24-hour TSP)



12/12/2024 & 13/12/2024 Station: FLN-DMS7 (24-hour TSP)



Station: FLN-DMS7 (24-hour TSP) Over the Whole Baseline Monitoring Period



Station: FLN-DMS7 (24-hour TSP)

Date	Start Time	Concentration (µg/m ³)
29/11/2024	14:51	18
29/11/2024	15:51	19
29/11/2024	16:51	12
29/11/2024	17:51	16
29/11/2024	18:51	20
29/11/2024	19:51	30
29/11/2024	20:51	28
29/11/2024	21:51	48
29/11/2024	22:51	43
29/11/2024	23:51	30
30/11/2024	0:51	23
30/11/2024	1:51	28
30/11/2024	2:51	22
30/11/2024	3:51	26
30/11/2024	4:51	38
30/11/2024	5:51	25
30/11/2024	6:51	25
30/11/2024	7:51	18
30/11/2024	8:51	26
30/11/2024	9:51	19
30/11/2024	10:51	20
30/11/2024	11:51	18
Battery Replacement and Data Retrieval		
30/11/2024	12:53	15
30/11/2024	13:53	15
Average (24-hour TSP)		24

Date	Start Time	Concentration (µg/m ³)
30/11/2024	14:53	17
30/11/2024	15:53	16
30/11/2024	16:53	16
30/11/2024	17:53	19
30/11/2024	18:53	14
30/11/2024	19:53	22
30/11/2024	20:53	17
30/11/2024	21:53	17
30/11/2024	22:53	26
30/11/2024	23:53	19
1/12/2024	0:53	18
1/12/2024	1:53	19
1/12/2024	2:53	19
1/12/2024	3:53	21
1/12/2024	4:53	22
1/12/2024	5:53	21
1/12/2024	6:53	25
1/12/2024	7:53	30
1/12/2024	8:53	24
1/12/2024	9:53	20
1/12/2024	10:53	39
1/12/2024	11:53	35
Battery Replacement and Data Retrieval		
1/12/2024	12:57	27
1/12/2024	13:57	40
Average (24-hour TSP)		23

Date	Start Time	Concentration (µg/m ³)
1/12/2024	14:57	27
1/12/2024	15:57	35
1/12/2024	16:57	26
1/12/2024	17:57	42
1/12/2024	18:57	52
1/12/2024	19:57	47
1/12/2024	20:57	40
1/12/2024	21:57	30
1/12/2024	22:57	44
1/12/2024	23:57	41
2/12/2024	0:57	34
2/12/2024	1:57	25
2/12/2024	2:57	31
2/12/2024	3:57	34
2/12/2024	4:57	39
2/12/2024	5:57	31
2/12/2024	6:57	40
2/12/2024	7:57	20
2/12/2024	8:57	31
2/12/2024	9:57	28
2/12/2024	10:57	26
Battery Replacement and Data Retrieval		
2/12/2024	12:03	25
2/12/2024	13:03	24
2/12/2024	14:03	20
Average (24-hour TSP)		33

Date	Start Time	Concentration (µg/m ³)
2/12/2024	15:03	16
2/12/2024	16:03	17
2/12/2024	17:03	17
2/12/2024	18:03	17
2/12/2024	19:03	17
2/12/2024	20:03	23
2/12/2024	21:03	25
2/12/2024	22:03	23
2/12/2024	23:03	20
3/12/2024	0:03	21
3/12/2024	1:03	22
3/12/2024	2:03	28
3/12/2024	3:03	36
3/12/2024	4:03	44
3/12/2024	5:03	67
3/12/2024	6:03	52
3/12/2024	7:03	53
3/12/2024	8:03	52
3/12/2024	9:03	43
3/12/2024	10:03	44
3/12/2024	11:03	53
Battery Replacement and Data Retrieval		
3/12/2024	12:07	77
3/12/2024	13:07	68
3/12/2024	14:07	59
Average (24-hour TSP)		37

Station: FLN-DMS7 (24-hour TSP)

Date	Start Time	Concentration (µg/m ³)
3/12/2024	15:07	58
3/12/2024	16:07	60
3/12/2024	17:07	43
3/12/2024	18:07	40
3/12/2024	19:07	41
3/12/2024	20:07	56
3/12/2024	21:07	60
3/12/2024	22:07	52
3/12/2024	23:07	48
4/12/2024	0:07	44
4/12/2024	1:07	36
4/12/2024	2:07	24
4/12/2024	3:07	20
4/12/2024	4:07	24
4/12/2024	5:07	26
4/12/2024	6:07	25
4/12/2024	7:07	20
4/12/2024	8:07	30
4/12/2024	9:07	24
4/12/2024	10:07	18
4/12/2024	11:07	13
Battery Replacement and Data Retrieval		
4/12/2024	12:12	12
4/12/2024	13:12	13
4/12/2024	14:12	15
Average (24-hour TSP)		33

Date	Start Time	Concentration (µg/m ³)
4/12/2024	15:12	12
4/12/2024	16:12	13
4/12/2024	17:12	15
4/12/2024	18:12	17
4/12/2024	19:12	20
4/12/2024	20:12	21
4/12/2024	21:12	24
4/12/2024	22:12	29
4/12/2024	23:12	33
5/12/2024	0:12	28
5/12/2024	1:12	28
5/12/2024	2:12	39
5/12/2024	3:12	40
5/12/2024	4:12	40
5/12/2024	5:12	42
5/12/2024	6:12	47
5/12/2024	7:12	48
5/12/2024	8:12	45
5/12/2024	9:12	45
5/12/2024	10:12	48
5/12/2024	11:12	50
Battery Replacement and Data Retrieval		
5/12/2024	12:16	44
5/12/2024	13:16	48
5/12/2024	14:16	46
Average (24-hour TSP)		34

Date	Start Time	Concentration (µg/m ³)
5/12/2024	15:16	50
5/12/2024	16:16	45
5/12/2024	17:16	41
5/12/2024	18:16	43
5/12/2024	19:16	44
5/12/2024	20:16	53
5/12/2024	21:16	57
5/12/2024	22:16	69
5/12/2024	23:16	72
6/12/2024	0:16	63
6/12/2024	1:16	74
6/12/2024	2:16	100
6/12/2024	3:16	112
6/12/2024	4:16	87
6/12/2024	5:16	86
6/12/2024	6:16	87
6/12/2024	7:16	84
6/12/2024	8:16	93
6/12/2024	9:16	92
6/12/2024	10:16	96
6/12/2024	11:16	106
6/12/2024	12:16	94
6/12/2024	13:16	90
Battery Replacement and Data Retrieval		
6/12/2024	14:19	91
Average (24-hour TSP)		76

Date	Start Time	Concentration (µg/m ³)
6/12/2024	15:19	86
6/12/2024	16:19	83
6/12/2024	17:19	85
6/12/2024	18:19	83
6/12/2024	19:19	78
6/12/2024	20:19	82
6/12/2024	21:19	75
6/12/2024	22:19	82
6/12/2024	23:19	70
7/12/2024	0:19	87
7/12/2024	1:19	76
7/12/2024	2:19	55
7/12/2024	3:19	62
7/12/2024	4:19	75
7/12/2024	5:19	66
7/12/2024	6:19	60
7/12/2024	7:19	69
7/12/2024	8:19	70
7/12/2024	9:19	63
7/12/2024	10:19	67
7/12/2024	11:19	66
7/12/2024	12:24	56
7/12/2024	13:24	52
7/12/2024	14:24	52
Average (24-hour TSP)		71

Station: FLN-DMS7 (24-hour TSP)

Date	Start Time	Concentration (µg/m ³)
7/12/2024	15:24	49
7/12/2024	16:24	50
7/12/2024	17:24	64
7/12/2024	18:24	54
7/12/2024	19:24	55
7/12/2024	20:24	57
7/12/2024	21:24	58
7/12/2024	22:24	62
7/12/2024	23:24	64
8/12/2024	0:24	63
8/12/2024	1:24	49
8/12/2024	2:24	40
8/12/2024	3:24	33
8/12/2024	4:24	27
8/12/2024	5:24	24
8/12/2024	6:24	24
8/12/2024	7:24	28
8/12/2024	8:24	31
8/12/2024	9:24	34
8/12/2024	10:24	35
8/12/2024	11:24	36
8/12/2024	12:24	38
Battery Replacement and Data Retrieval		
8/12/2024	13:28	31
8/12/2024	14:28	34
Average (24-hour TSP)		43

Date	Start Time	Concentration (µg/m ³)
8/12/2024	15:28	42
8/12/2024	16:28	45
8/12/2024	17:28	43
8/12/2024	18:28	48
8/12/2024	19:28	50
8/12/2024	20:28	53
8/12/2024	21:28	57
8/12/2024	22:28	59
8/12/2024	23:28	53
9/12/2024	0:28	44
9/12/2024	1:28	39
9/12/2024	2:28	50
9/12/2024	3:28	41
9/12/2024	4:28	36
9/12/2024	5:28	27
9/12/2024	6:28	39
9/12/2024	7:28	25
9/12/2024	8:28	29
9/12/2024	9:28	25
9/12/2024	10:28	20
9/12/2024	11:28	26
Battery Replacement and Data Retrieval		
9/12/2024	12:34	21
9/12/2024	13:34	23
9/12/2024	14:34	21
Average (24-hour TSP)		38

Date	Start Time	Concentration (µg/m ³)
9/12/2024	15:34	20
9/12/2024	16:34	18
9/12/2024	17:34	20
9/12/2024	18:34	29
9/12/2024	19:34	23
9/12/2024	20:34	33
9/12/2024	21:34	23
9/12/2024	22:34	22
9/12/2024	23:34	20
10/12/2024	0:34	40
10/12/2024	1:34	41
10/12/2024	2:34	36
10/12/2024	3:34	28
10/12/2024	4:34	27
10/12/2024	5:34	27
10/12/2024	6:34	25
10/12/2024	7:34	24
10/12/2024	8:34	26
10/12/2024	9:34	30
10/12/2024	10:34	28
10/12/2024	11:34	25
10/12/2024	12:34	22
10/12/2024	13:34	19
10/12/2024	14:34	20
Average (24-hour TSP)		26

Date	Start Time	Concentration (µg/m ³)
Battery Replacement and Data Retrieval		
10/12/2024	15:42	18
10/12/2024	16:42	14
10/12/2024	17:42	14
10/12/2024	18:42	26
10/12/2024	19:42	20
10/12/2024	20:42	25
10/12/2024	21:42	26
10/12/2024	22:42	25
10/12/2024	23:42	26
11/12/2024	0:42	28
11/12/2024	1:42	28
11/12/2024	2:42	23
11/12/2024	3:42	23
11/12/2024	4:42	22
11/12/2024	5:42	19
11/12/2024	6:42	20
11/12/2024	7:42	21
11/12/2024	8:42	26
11/12/2024	9:42	35
11/12/2024	10:42	31
Battery Replacement and Data Retrieval		
11/12/2024	11:47	30
11/12/2024	12:47	29
11/12/2024	13:47	24
11/12/2024	14:47	24
Average (24-hour TSP)		24

Station: FLN-DMS7 (24-hour TSP)

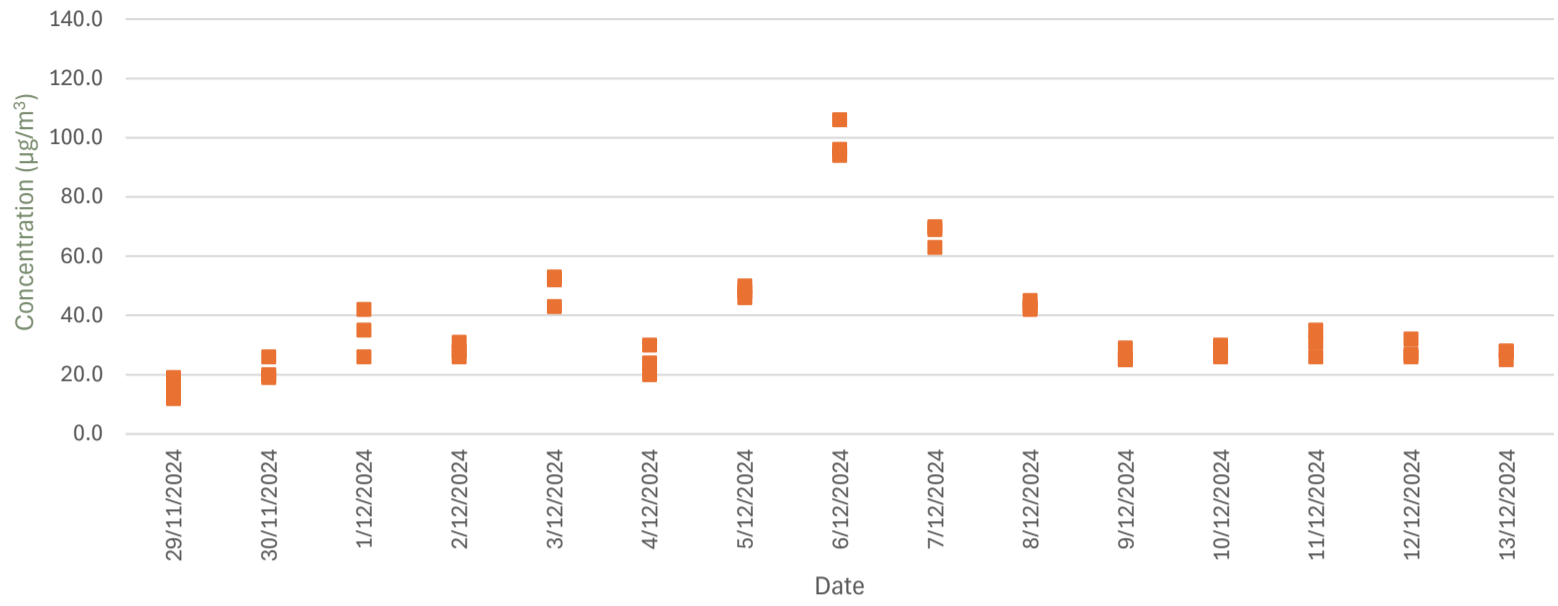
Date	Start Time	Concentration ($\mu\text{g}/\text{m}^3$)
11/12/2024	15:47	20
11/12/2024	16:47	32
11/12/2024	17:47	30
11/12/2024	18:47	30
11/12/2024	19:47	36
11/12/2024	20:47	38
11/12/2024	21:47	43
11/12/2024	22:47	50
11/12/2024	23:47	47
12/12/2024	0:47	50
12/12/2024	1:47	43
12/12/2024	2:47	45
12/12/2024	3:47	43
12/12/2024	4:47	38
12/12/2024	5:47	37
12/12/2024	6:47	37
12/12/2024	7:47	22
12/12/2024	8:47	25
12/12/2024	9:47	27
12/12/2024	10:47	26
12/12/2024	11:47	32
Battery Replacement and Data Retrieval		
12/12/2024	12:53	16
12/12/2024	13:53	28
12/12/2024	14:53	31
Average (24-hour TSP)		34

Date	Start Time	Concentration ($\mu\text{g}/\text{m}^3$)
12/12/2024	15:53	19
12/12/2024	16:53	19
12/12/2024	17:53	19
12/12/2024	18:53	20
12/12/2024	19:53	19
12/12/2024	20:53	20
12/12/2024	21:53	20
12/12/2024	22:53	25
12/12/2024	23:53	25
13/12/2024	0:53	22
13/12/2024	1:53	22
13/12/2024	2:53	19
13/12/2024	3:53	24
13/12/2024	4:53	23
13/12/2024	5:53	20
13/12/2024	6:53	26
13/12/2024	7:53	22
13/12/2024	8:53	23
13/12/2024	9:53	24
13/12/2024	10:53	23
13/12/2024	11:53	28
13/12/2024	12:53	28
13/12/2024	13:53	25
13/12/2024	14:53	29
Average (24-hour TSP)		23

Summary of Air Quality Monitoring Results (24-hour TSP)

Date	Concentration ($\mu\text{g}/\text{m}^3$)
29/11/2024	24
30/11/2024	23
1/12/2024	33
2/12/2024	37
3/12/2024	33
4/12/2024	34
5/12/2024	76
6/12/2024	71
7/12/2024	43
8/12/2024	38
9/12/2024	26
10/12/2024	24
11/12/2024	34
12/12/2024	23
Average	37
Maximum	76
Minimum	23

29/11/2024 - 13/12/2024 Station: FLN-DMS7 (1-hour TSP)



Station: FLN-DMS7 (1-hour TSP)

Summary of Air Quality Monitoring Results (1-hour TSP)		
Date	Start Time	Concentration ($\mu\text{g}/\text{m}^3$)
29/11/2024	15:51	19
29/11/2024	16:51	12
29/11/2024	17:51	16
30/11/2024	8:51	26
30/11/2024	9:51	19
30/11/2024	10:51	20
1/12/2024	15:57	35
1/12/2024	16:57	26
1/12/2024	17:57	42
2/12/2024	8:57	31
2/12/2024	9:57	28
2/12/2024	10:57	26
3/12/2024	7:03	53
3/12/2024	8:03	52
3/12/2024	9:03	43
4/12/2024	7:07	20
4/12/2024	8:07	30
4/12/2024	9:07	24
5/12/2024	13:16	48
5/12/2024	14:16	46
5/12/2024	15:16	50
6/12/2024	10:16	96
6/12/2024	11:16	106
6/12/2024	12:16	94
7/12/2024	7:19	69
7/12/2024	8:19	70
7/12/2024	9:19	63
8/12/2024	15:28	42
8/12/2024	16:28	45
8/12/2024	17:28	43
9/12/2024	7:28	25
9/12/2024	8:28	29
9/12/2024	9:28	25
10/12/2024	8:34	26
10/12/2024	9:34	30
10/12/2024	10:34	28
11/12/2024	8:42	26
11/12/2024	9:42	35
11/12/2024	10:42	31
12/12/2024	9:47	27
12/12/2024	10:47	26
12/12/2024	11:47	32
	Average	39
	Maximum	106
	Minimum	12

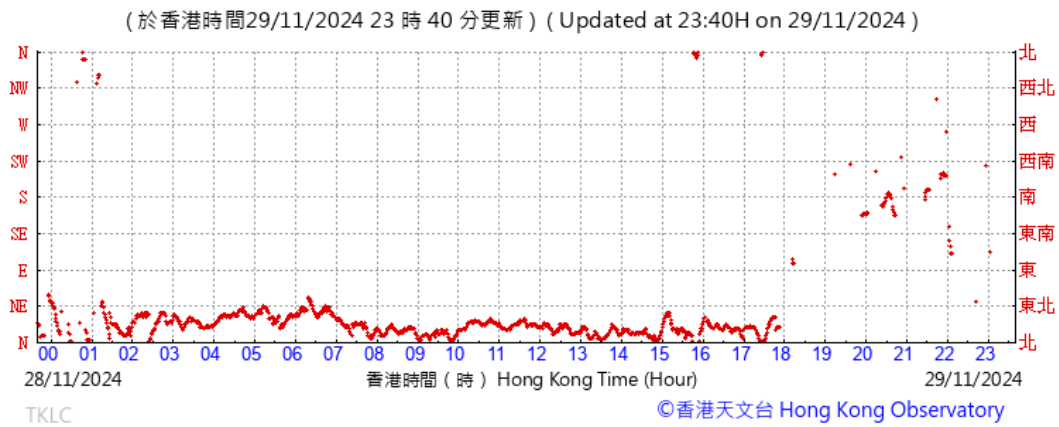
Appendix 2.4

Extract of Wind Data from Ta Kwu Ling Weather Station

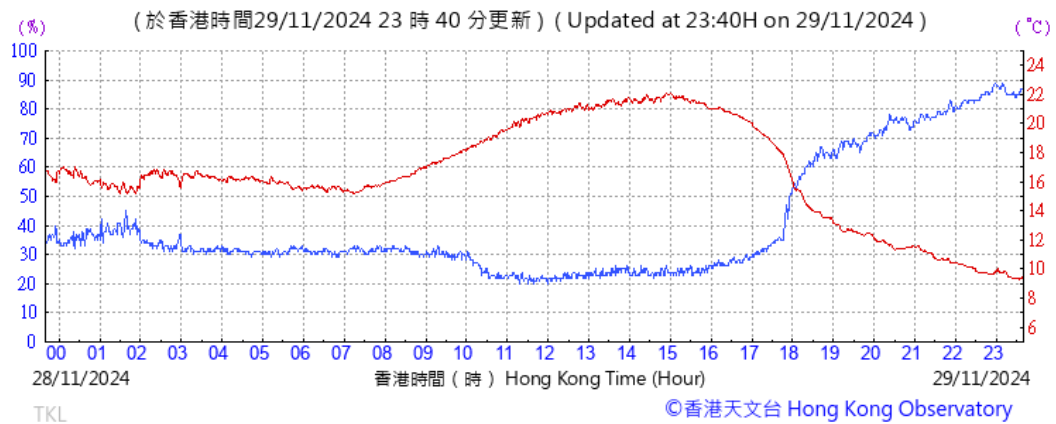
29/11/2024 Wind Speed



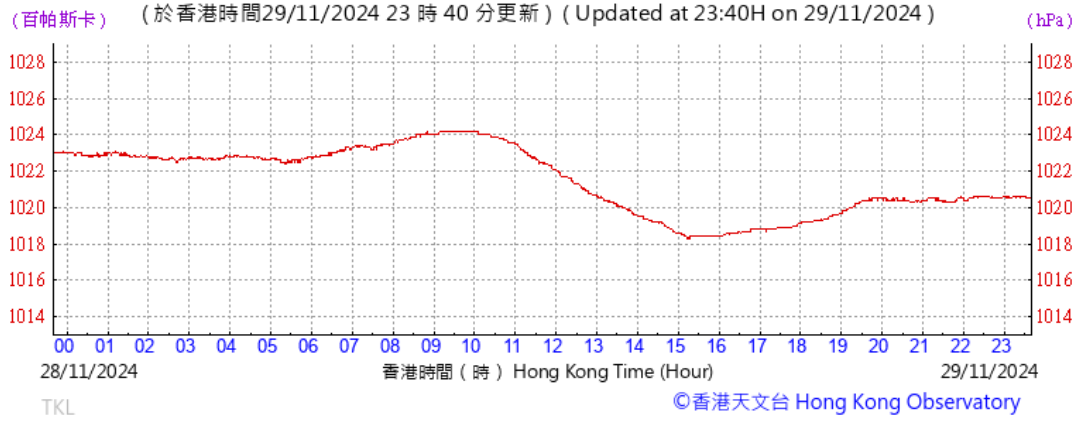
29/11/2024 Wind Direction



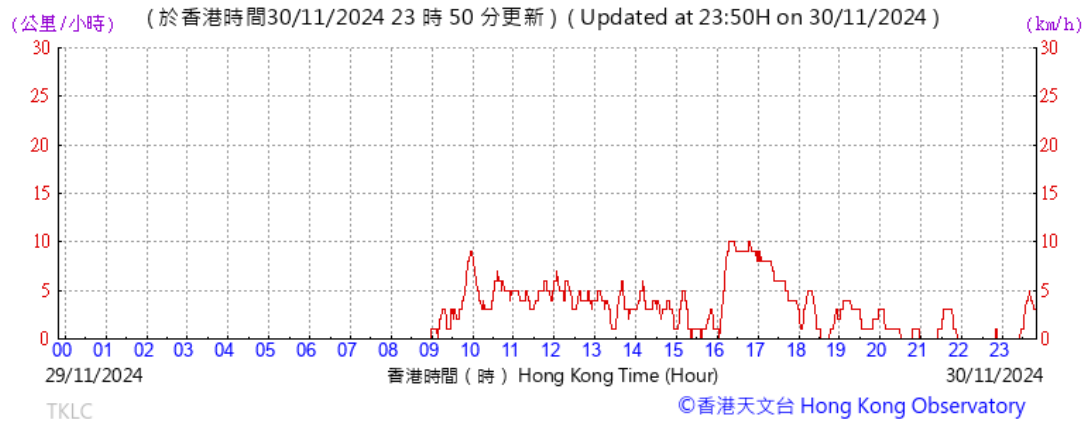
29/11/2024 Temperature/Humidity



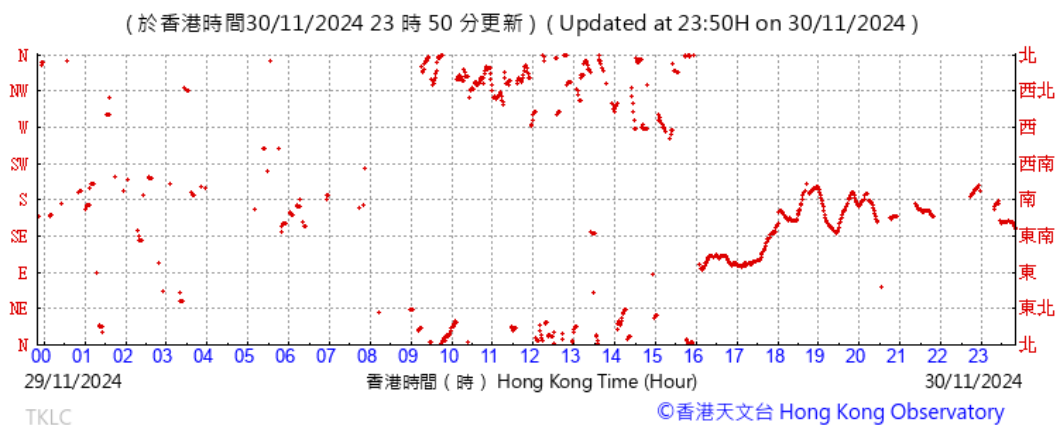
29/11/2024 Pressure



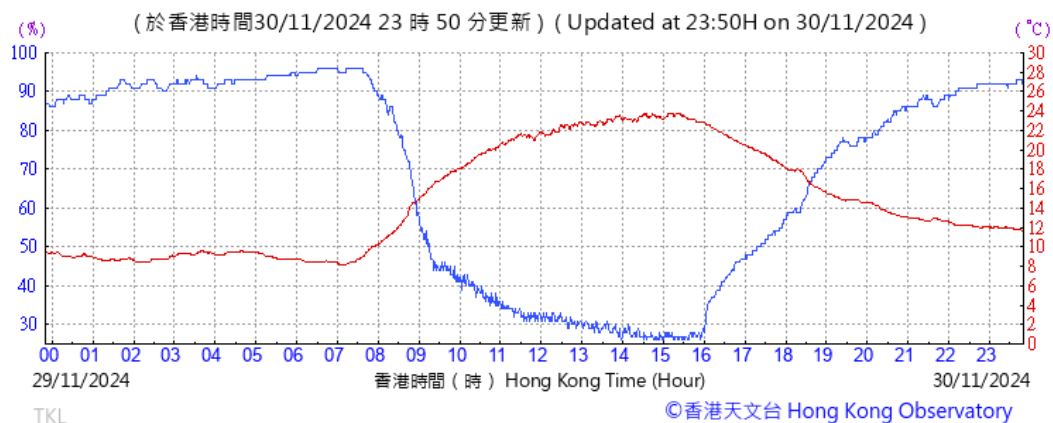
30/11/2024 Wind Speed



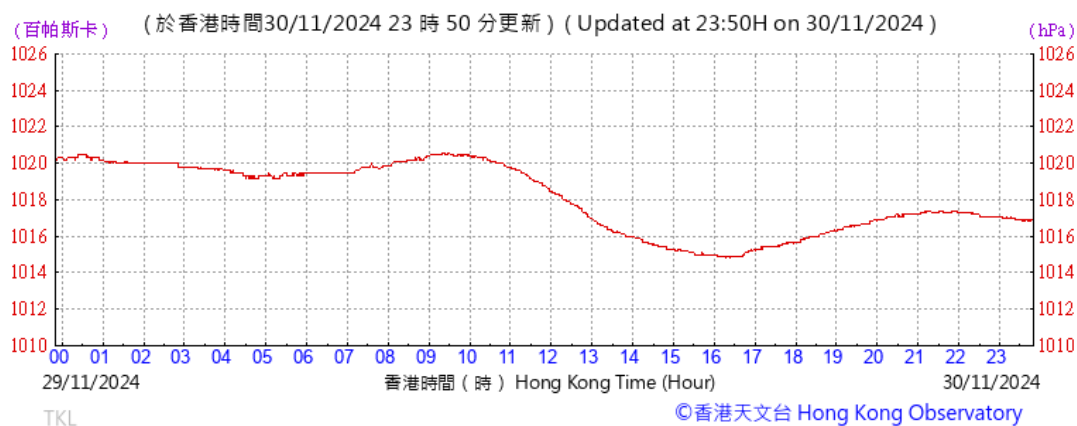
30/11/2024 Wind Direction



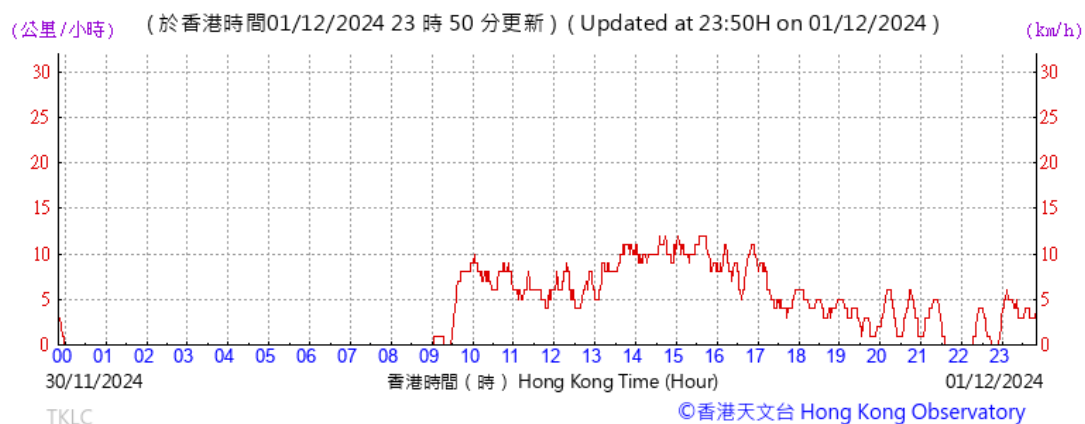
30/11/2024 Temperature/Humidity



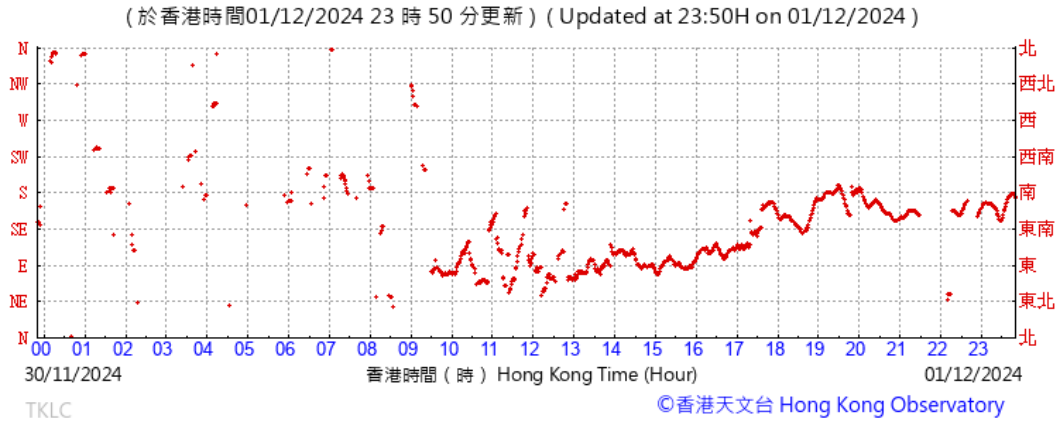
30/11/2024 Pressure



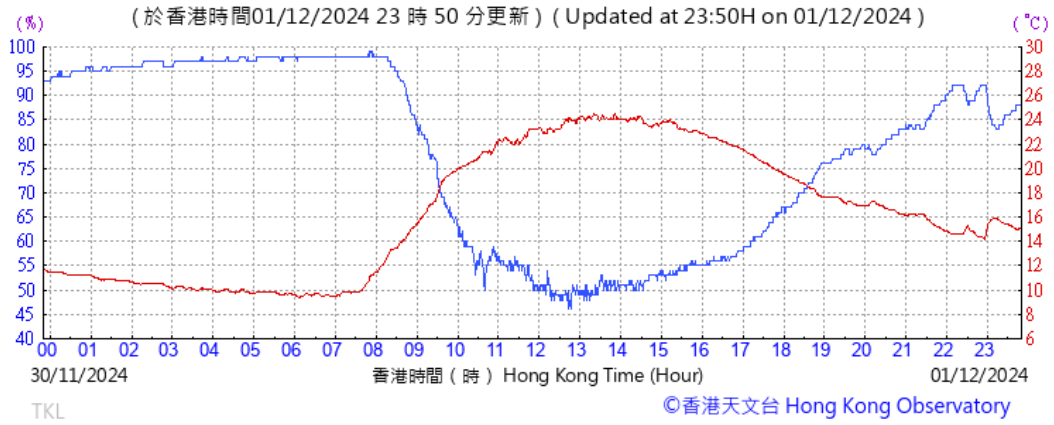
01/12/2024 Wind Speed



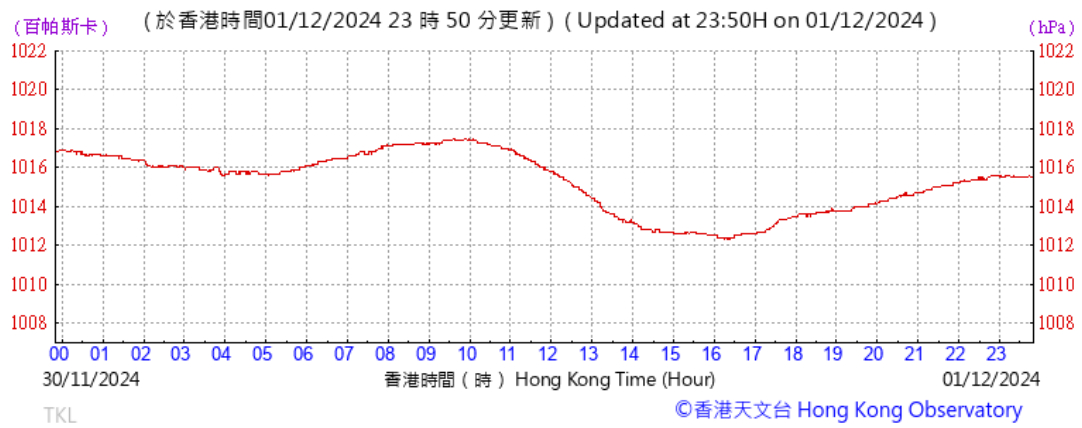
01/12/2024 Wind Direction



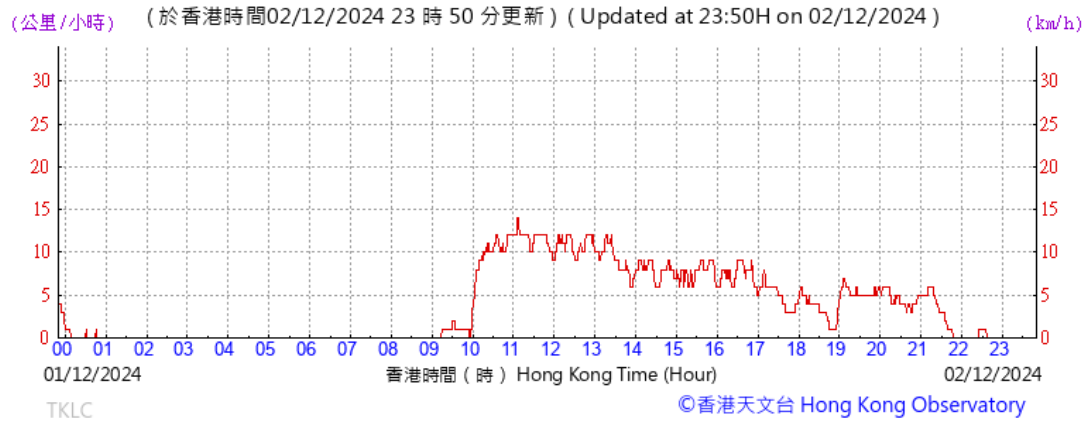
01/12/2024 Temperature/Humidity



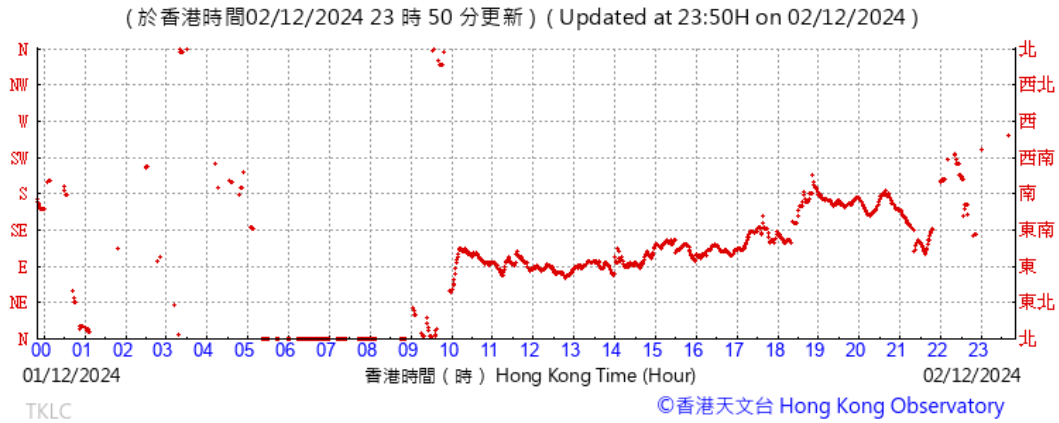
01/12/2024 Pressure



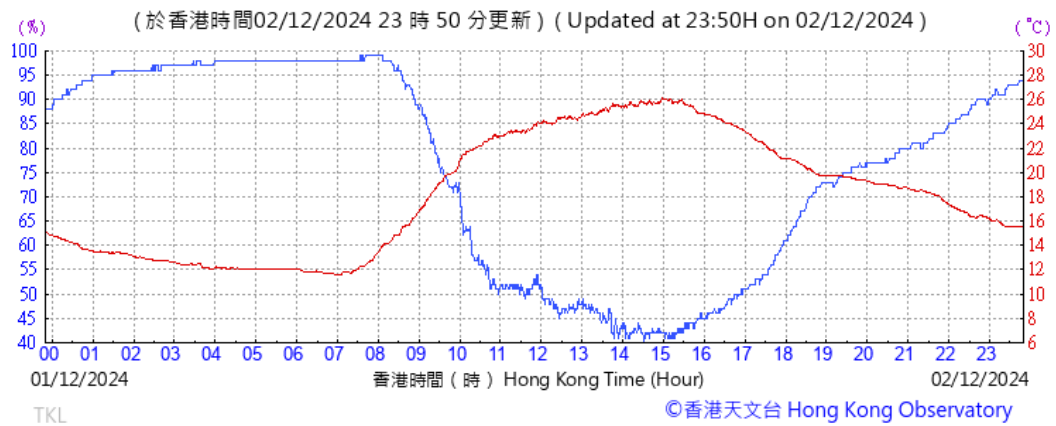
02/12/2024 Wind Speed



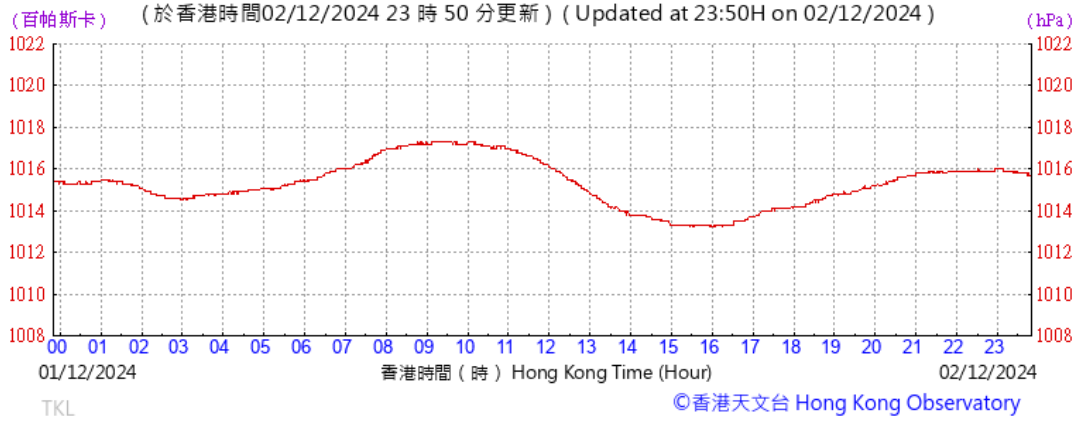
02/12/2024 Wind Direction



02/12/2024 Temperature/Humidity



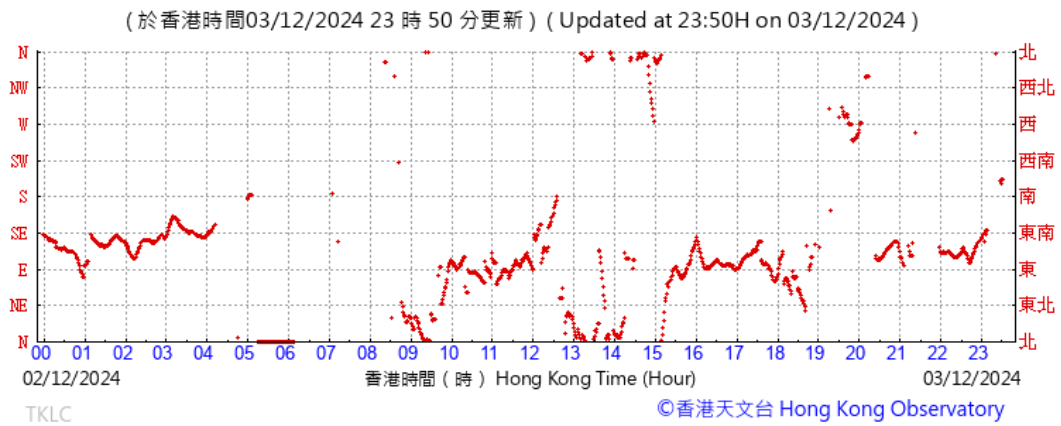
02/12/2024 Pressure



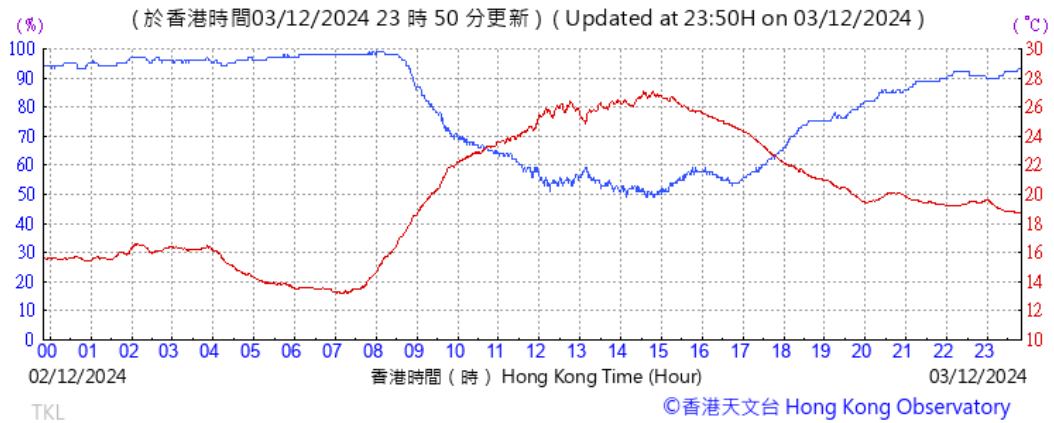
03/12/2024 Wind Speed



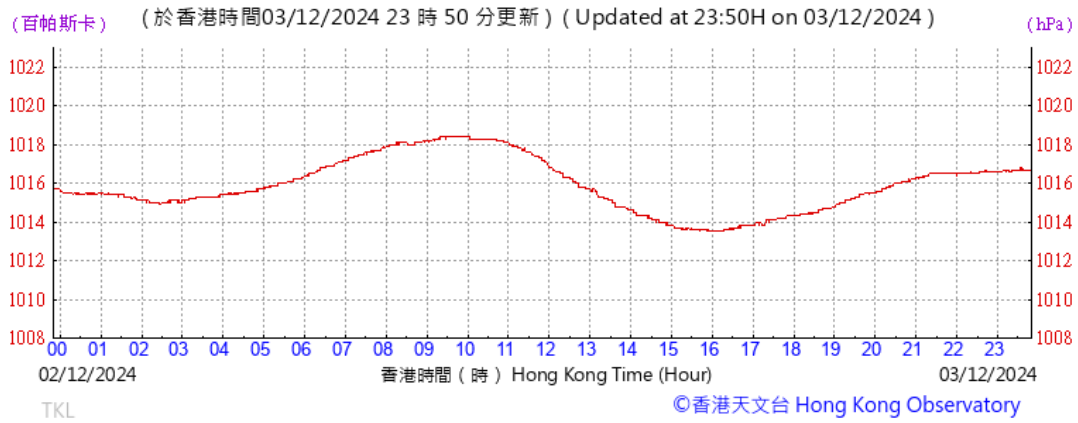
03/12/2024 Wind Direction



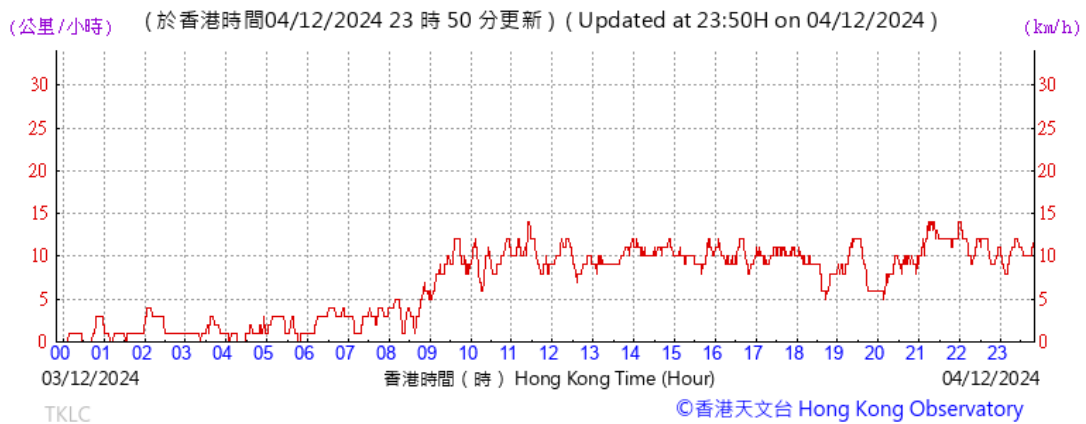
03/12/2024 Temperature/Humidity



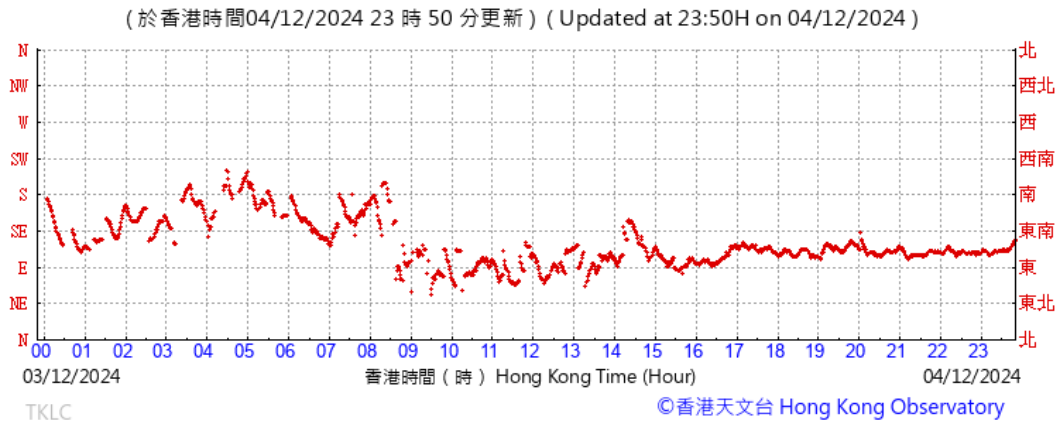
03/12/2024 Pressure



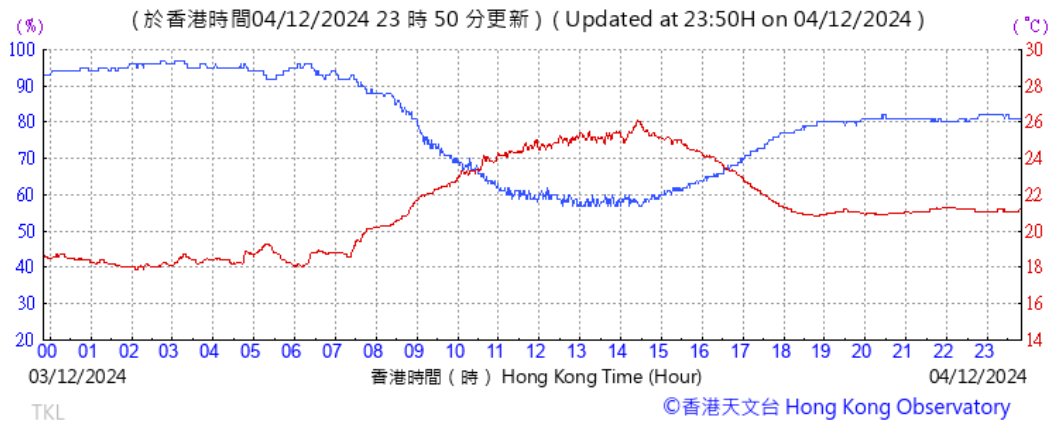
04/12/2024 Wind Speed



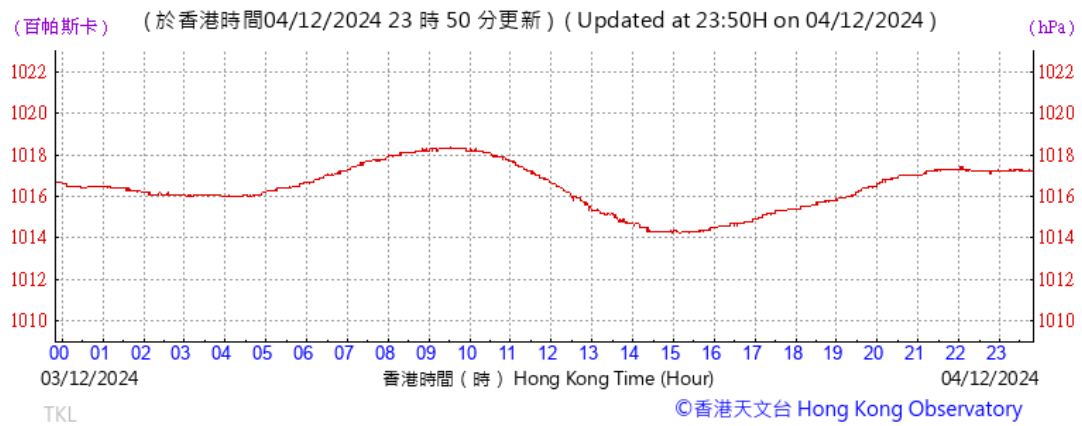
04/12/2024 Wind Direction



04/12/2024 Temperature/Humidity



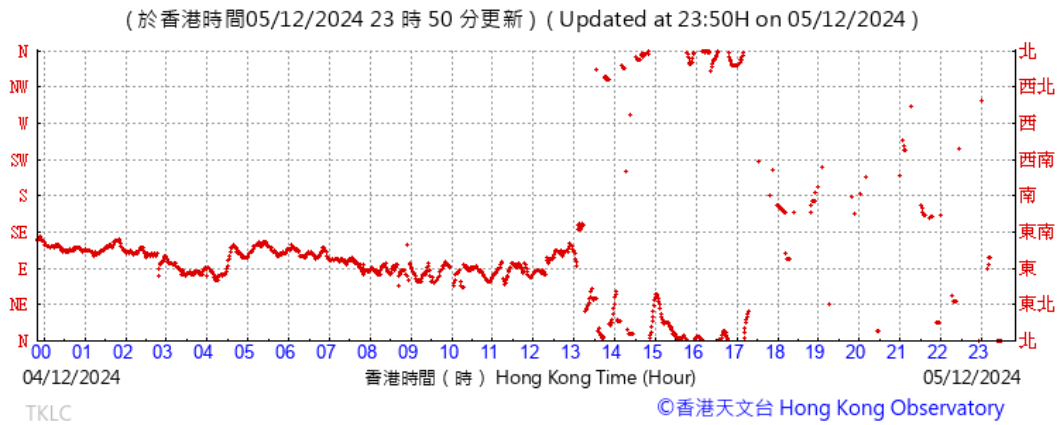
04/12/2024 Pressure



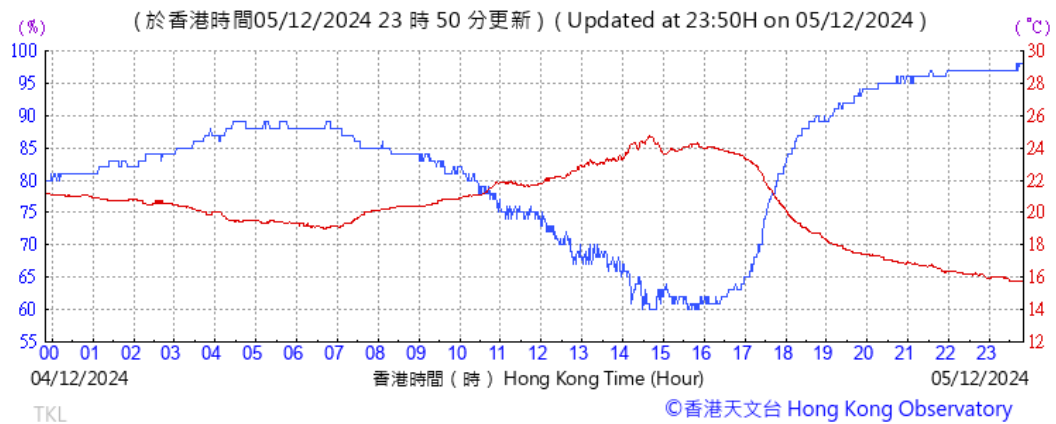
05/12/2024 Wind Speed



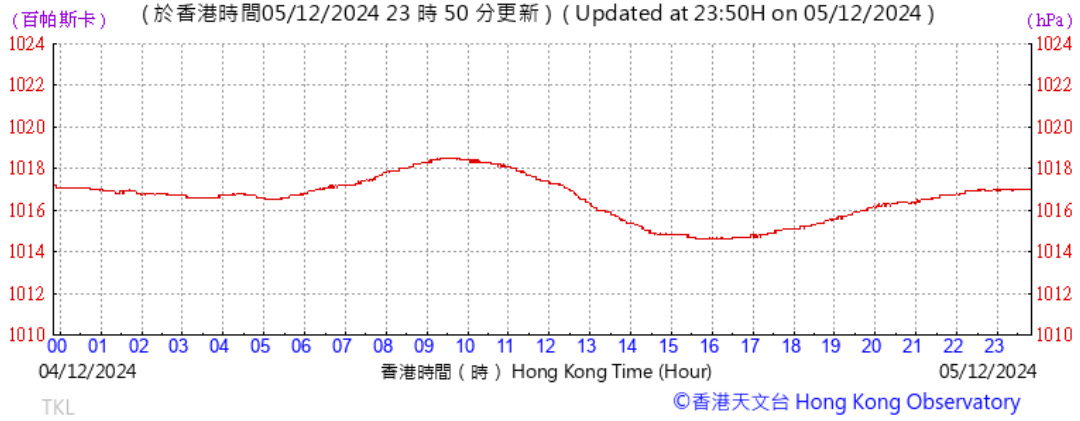
05/12/2024 Wind Direction



05/12/2024 Temperature/Humidity



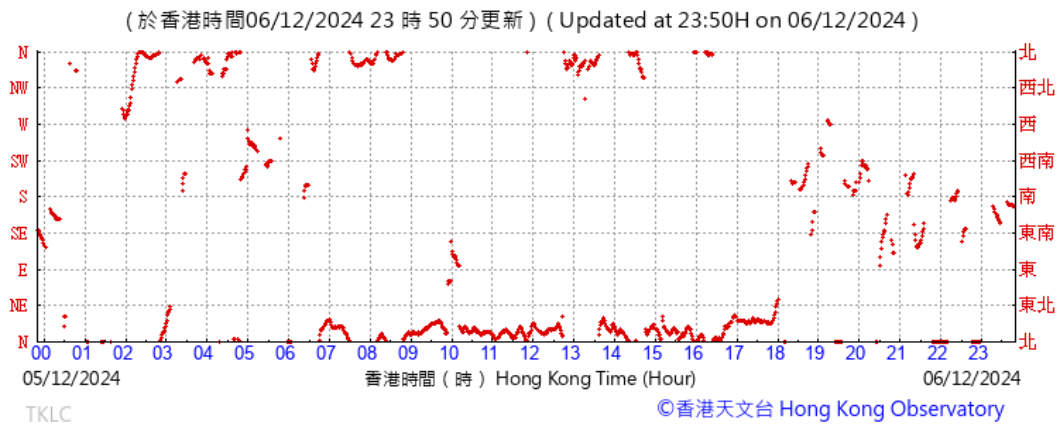
05/12/2024 Pressure



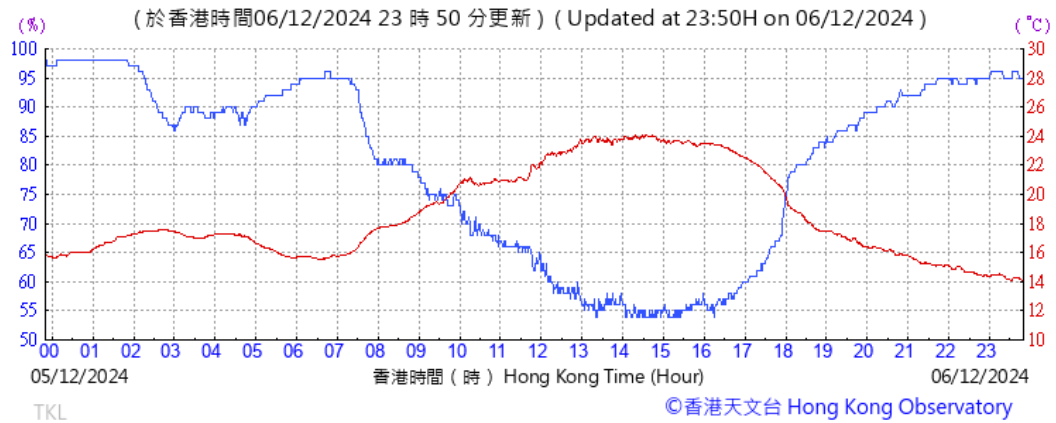
06/12/2024 Wind Speed



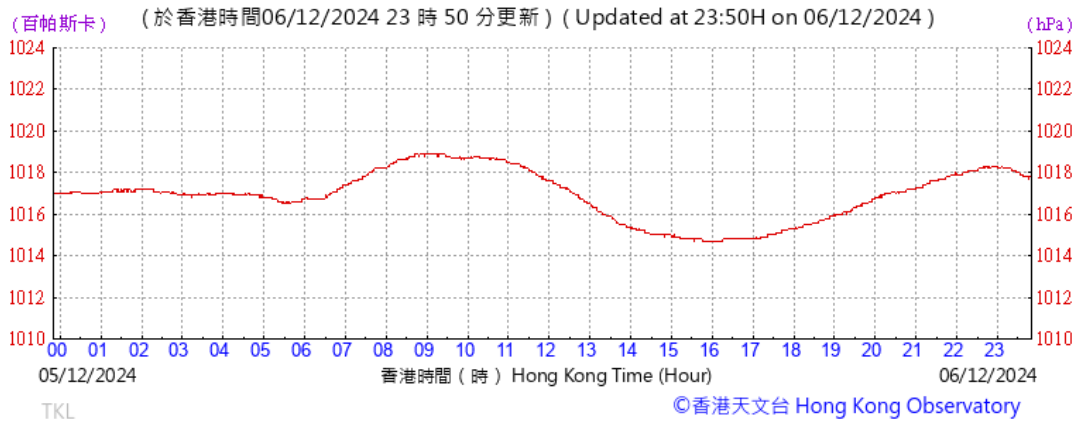
06/12/2024 Wind Direction



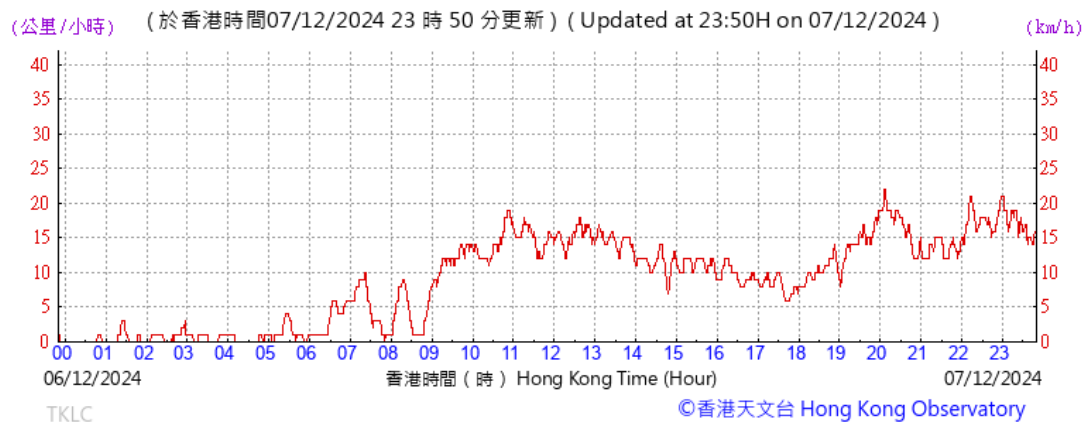
06/12/2024 Temperature/Humidity



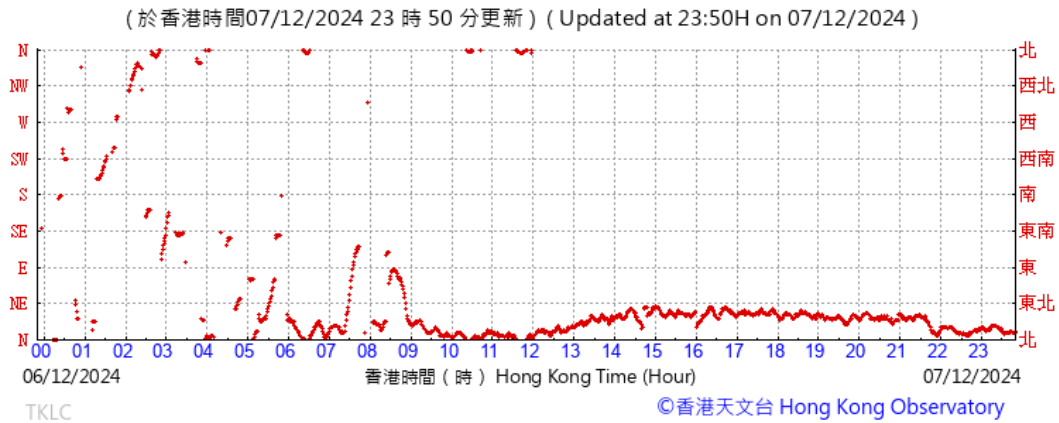
06/12/2024 Pressure



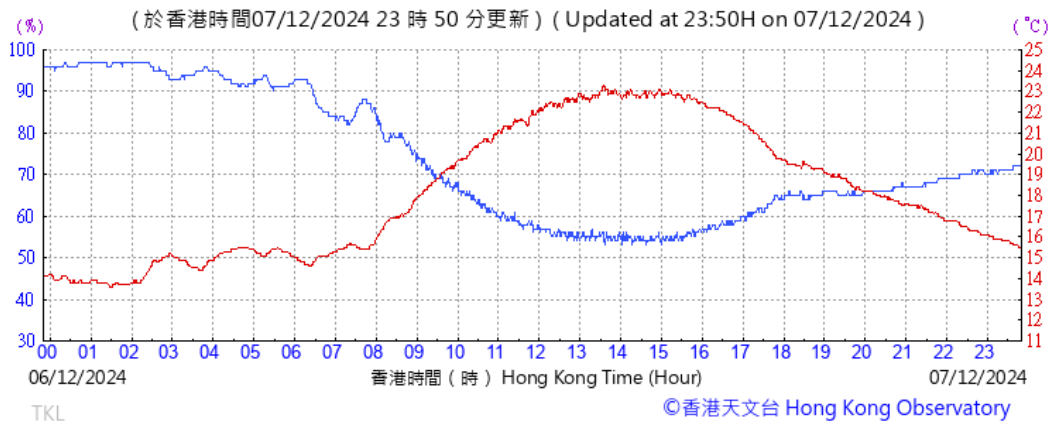
07/12/2024 Wind Speed



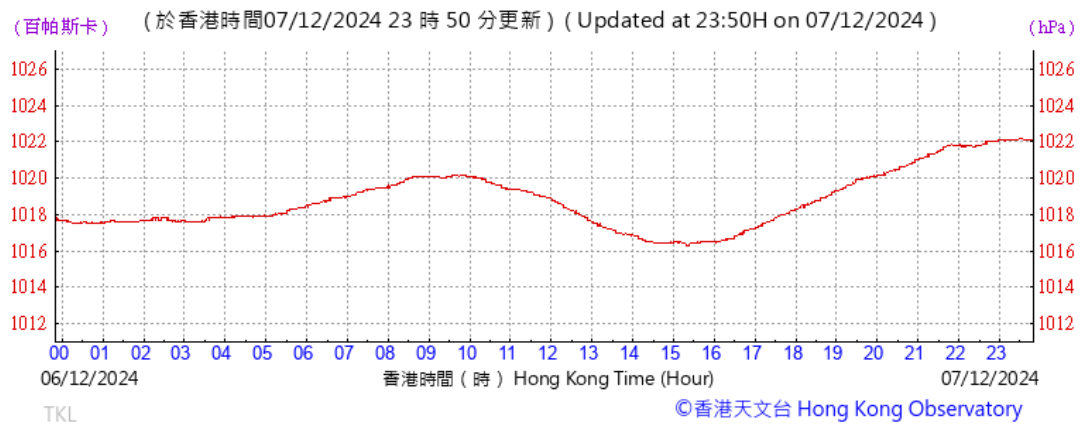
07/12/2024 Wind Direction



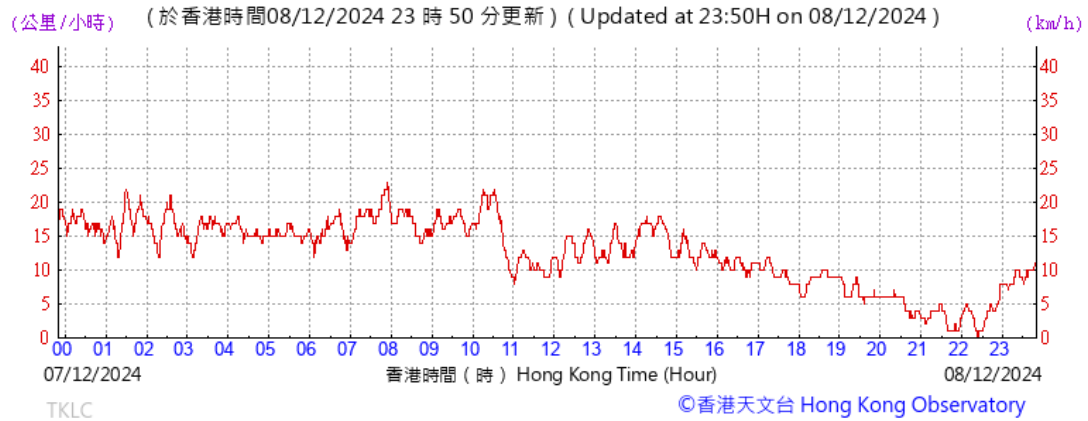
07/12/2024 Temperature/Humidity



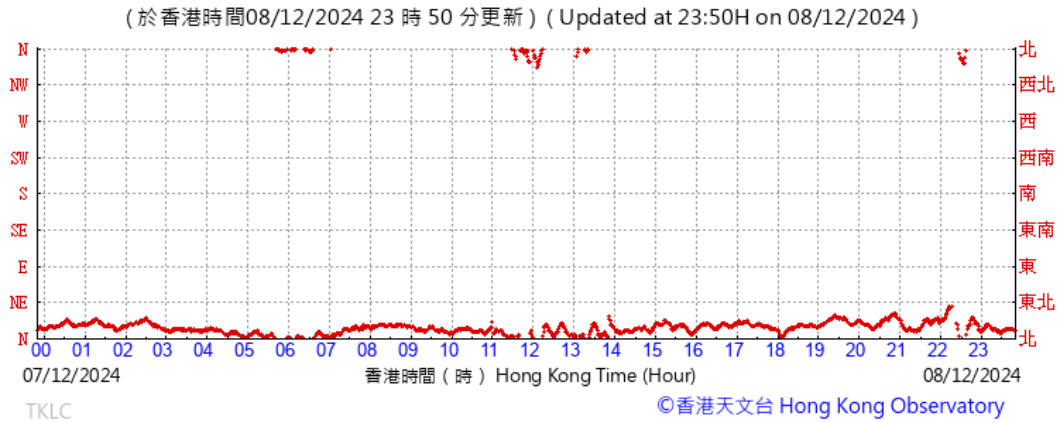
07/12/2024 Pressure



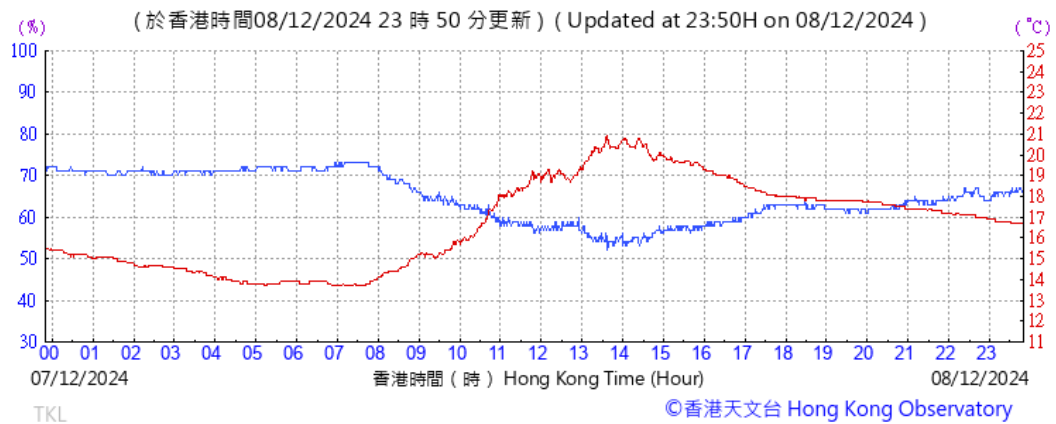
08/12/2024 Wind Speed



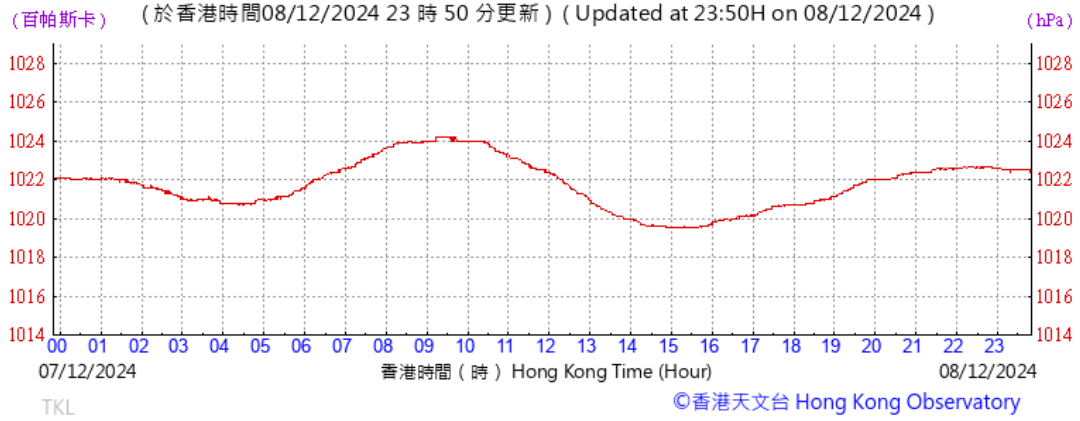
08/12/2024 Wind Direction



08/12/2024 Temperature/Humidity



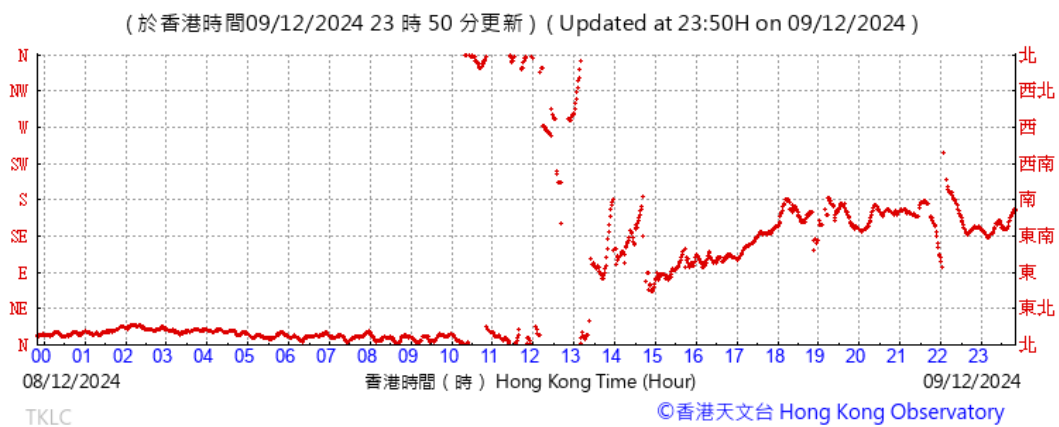
08/12/2024 Pressure



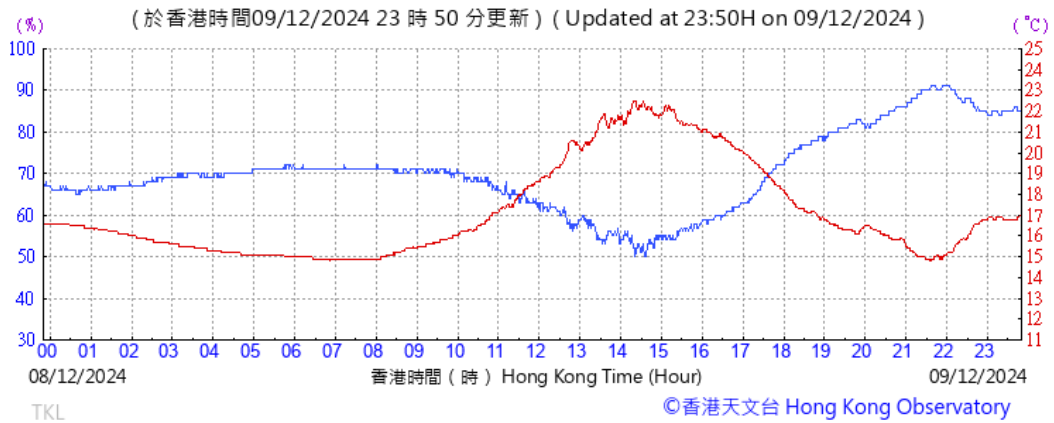
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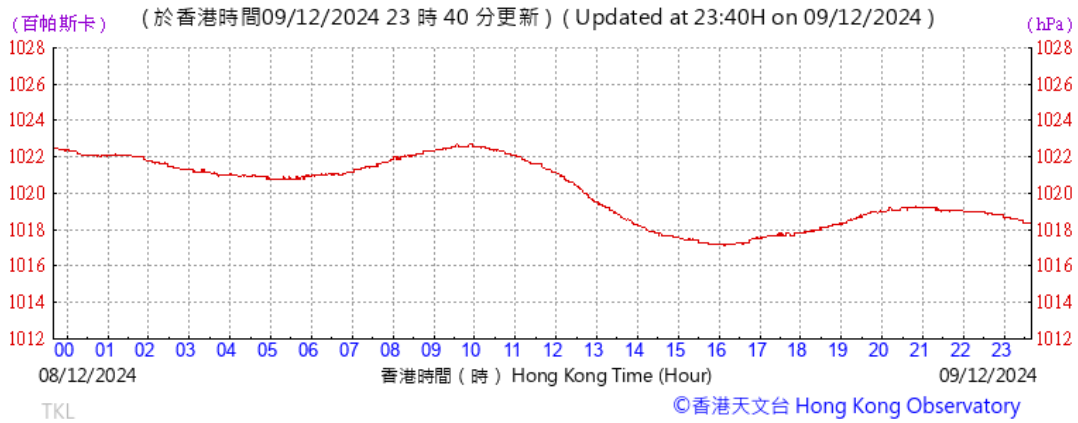
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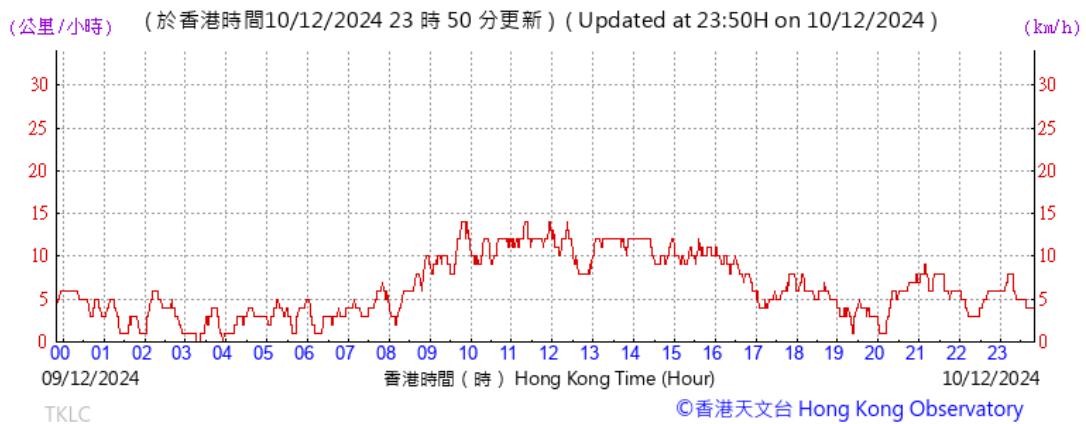
09/12/2024 Temperature/Humidity



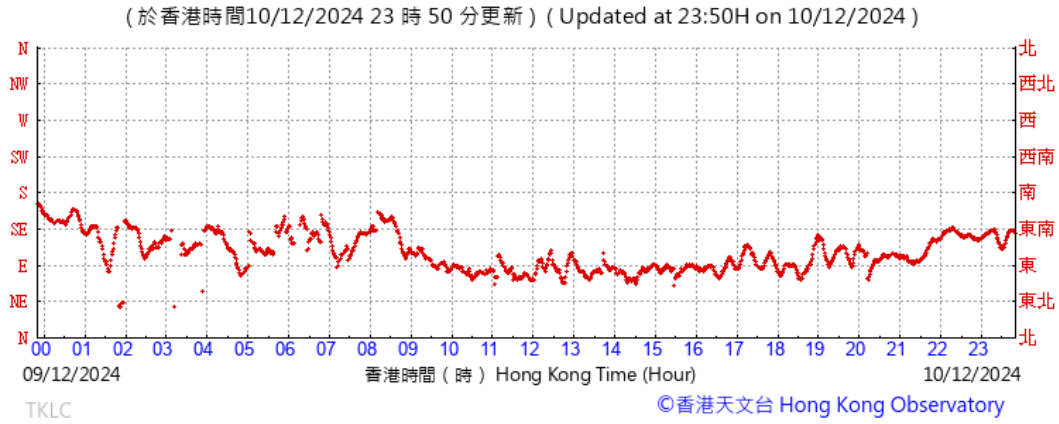
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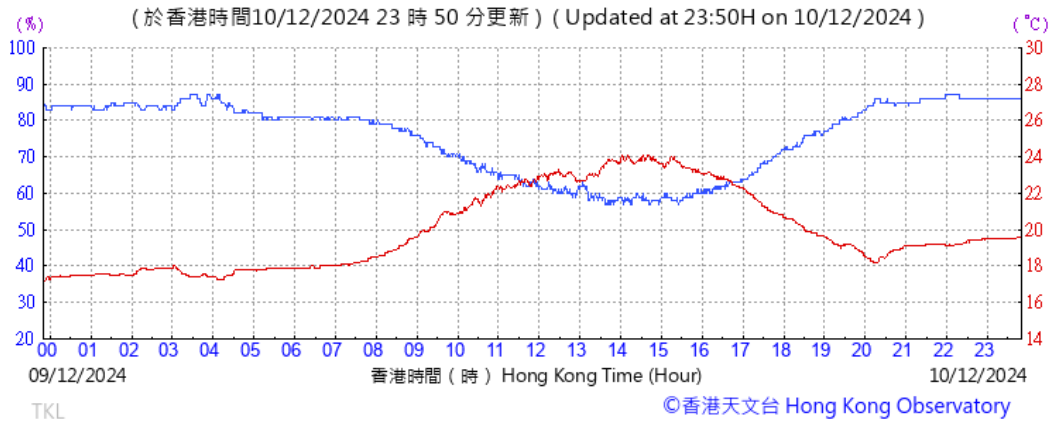
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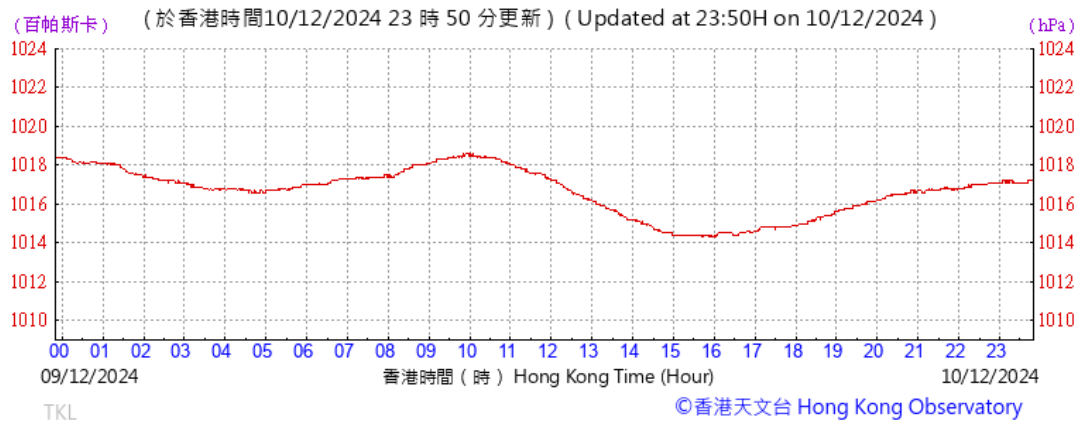
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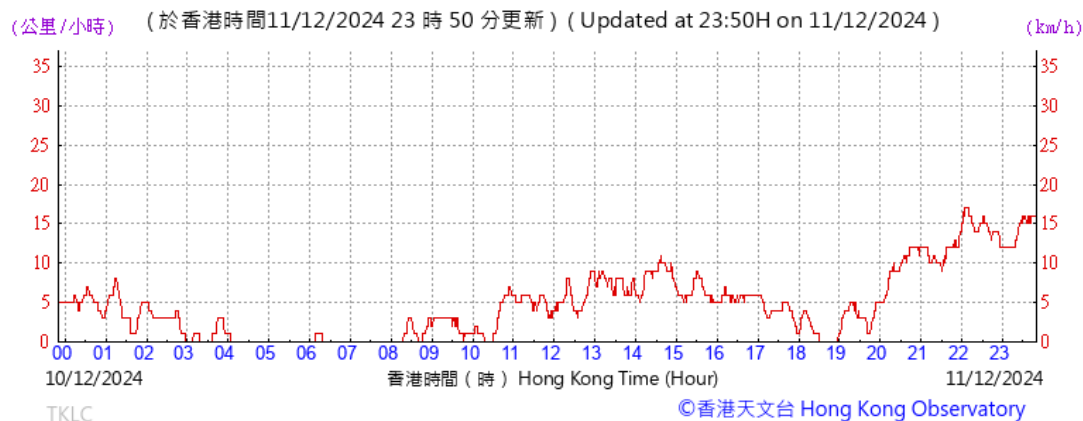
10/12/2024 Temperature/Humidity



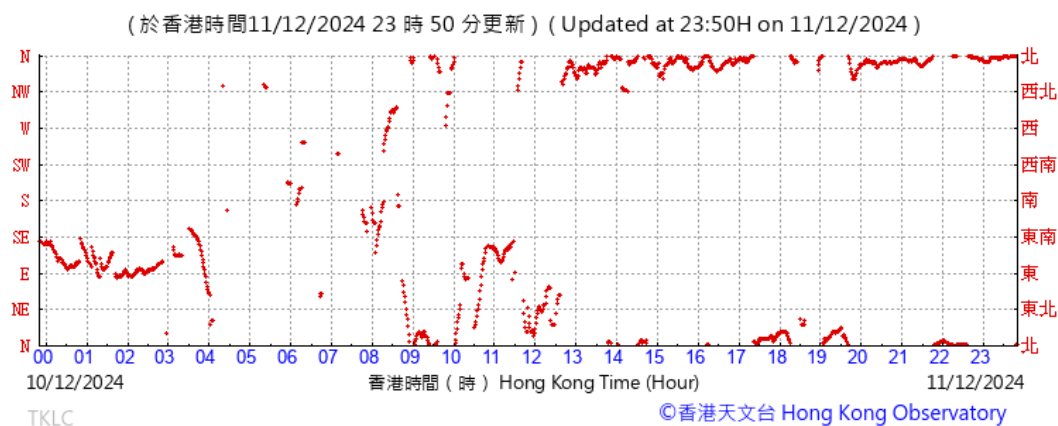
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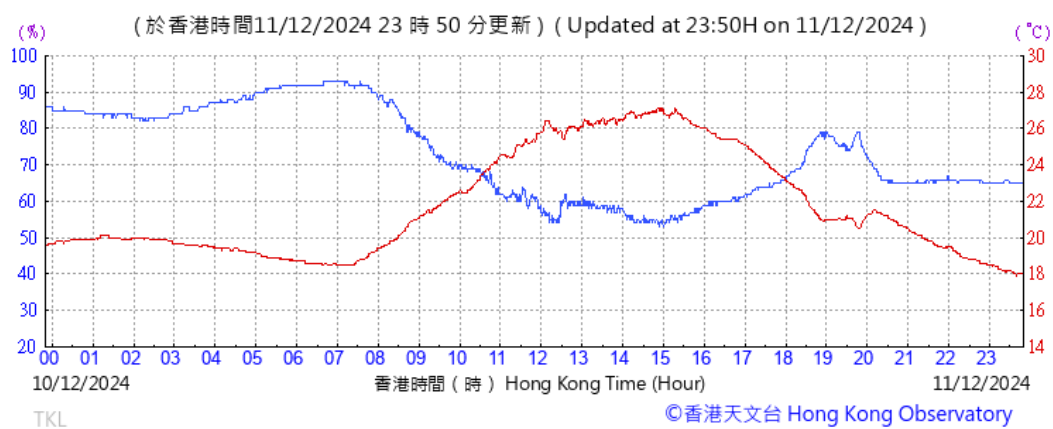
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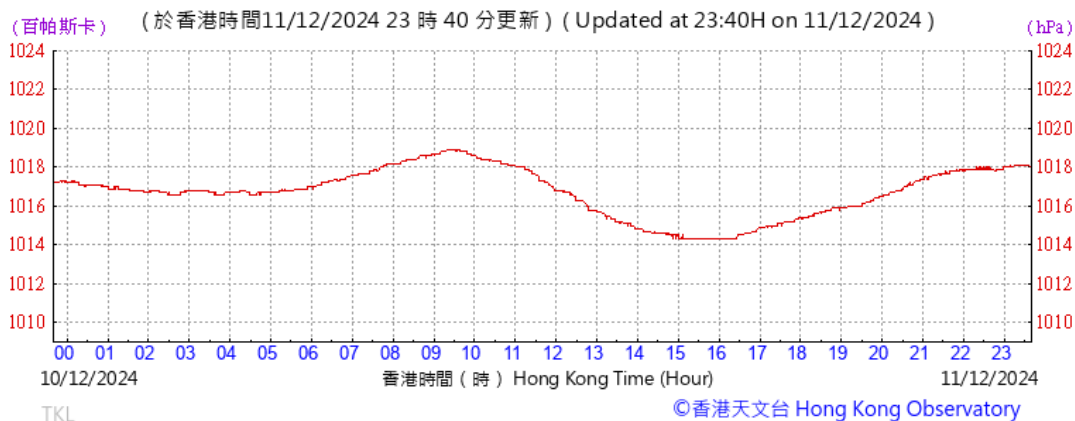
11/12/2024 Wind Direction



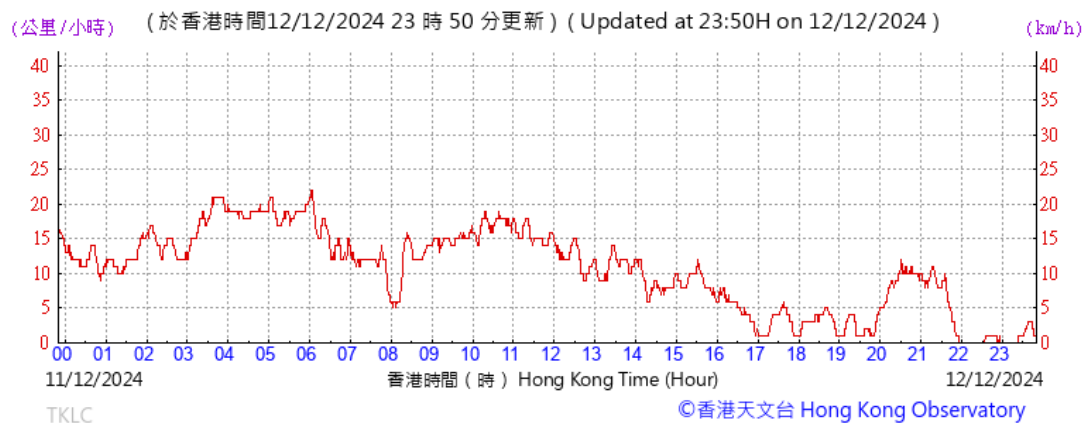
11/12/2024 Temperature/Humidity



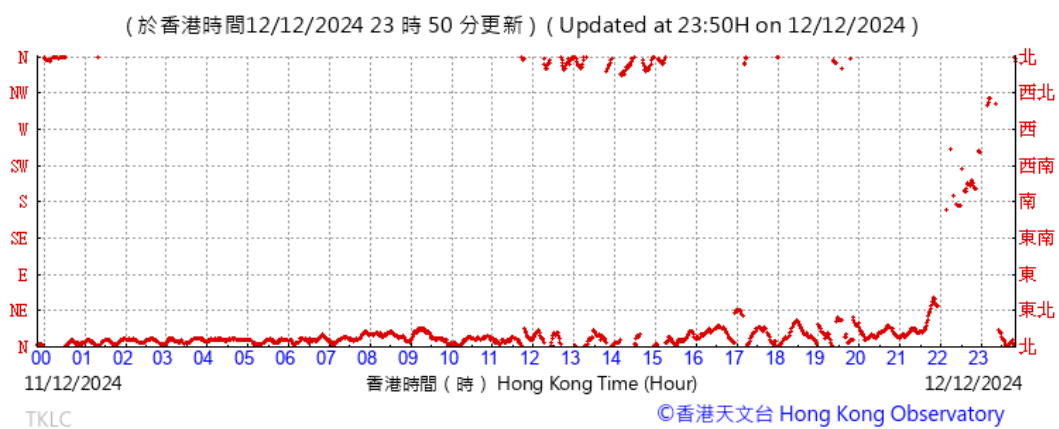
11/12/2024 Pressure



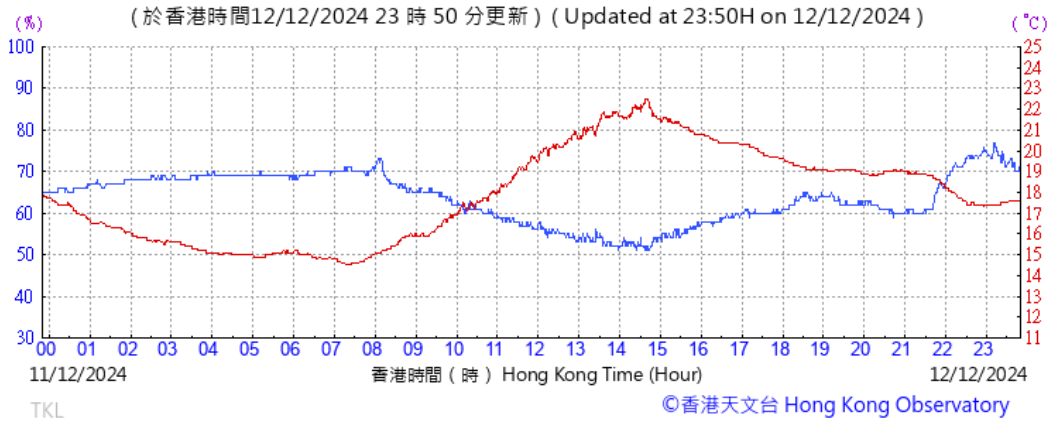
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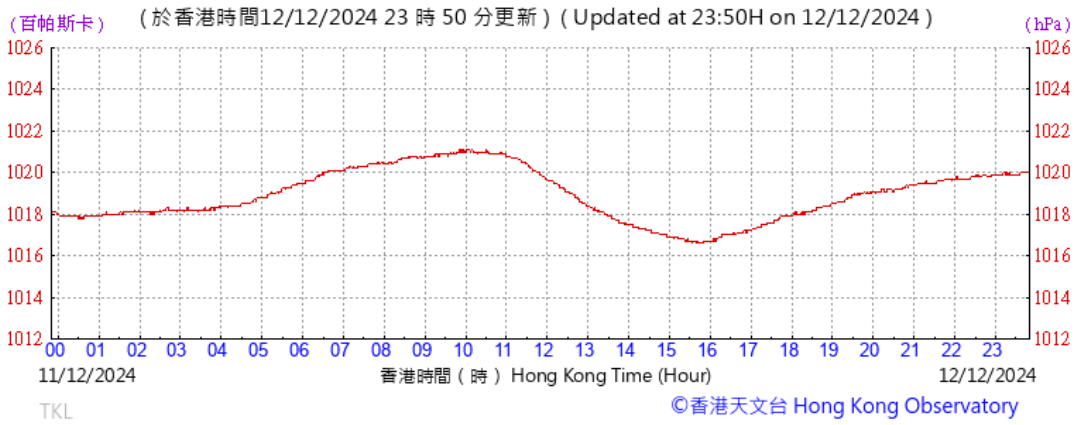
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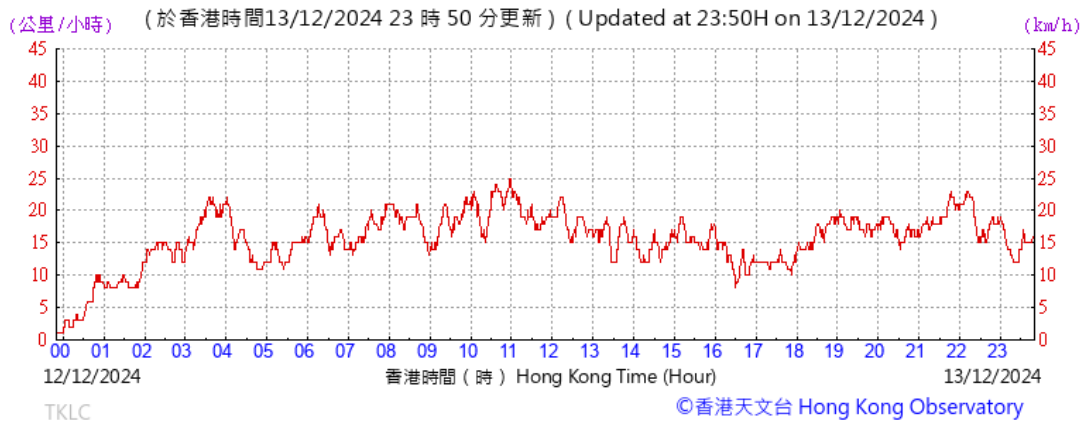
12/12/2024 Temperature/Humidity



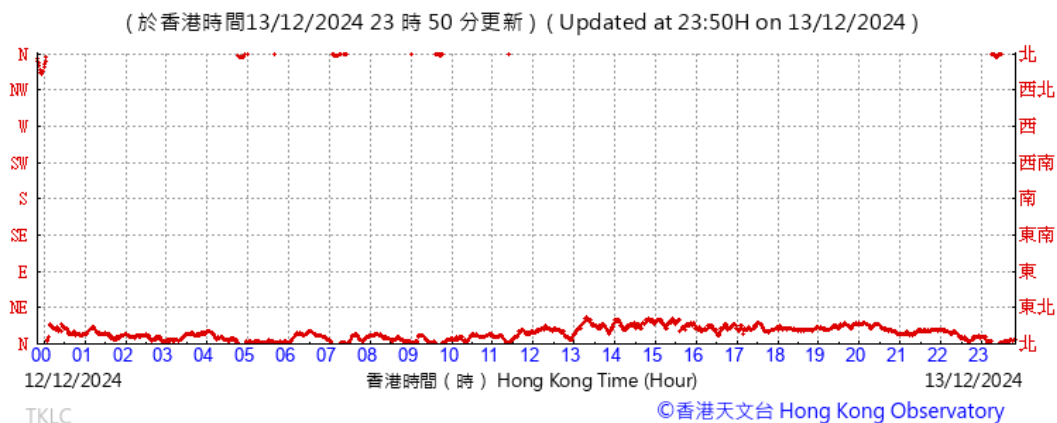
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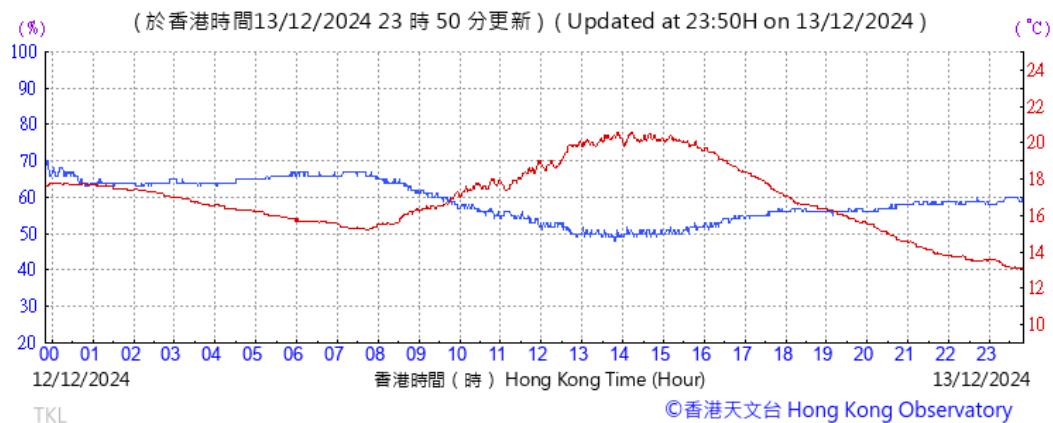
13/12/2024 Wind Speed



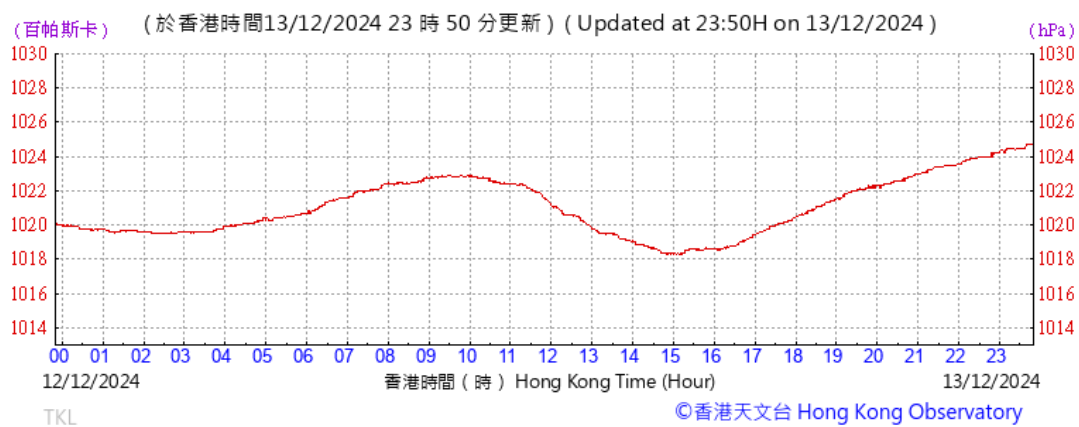
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13/12/2024 Temperature/Humidity



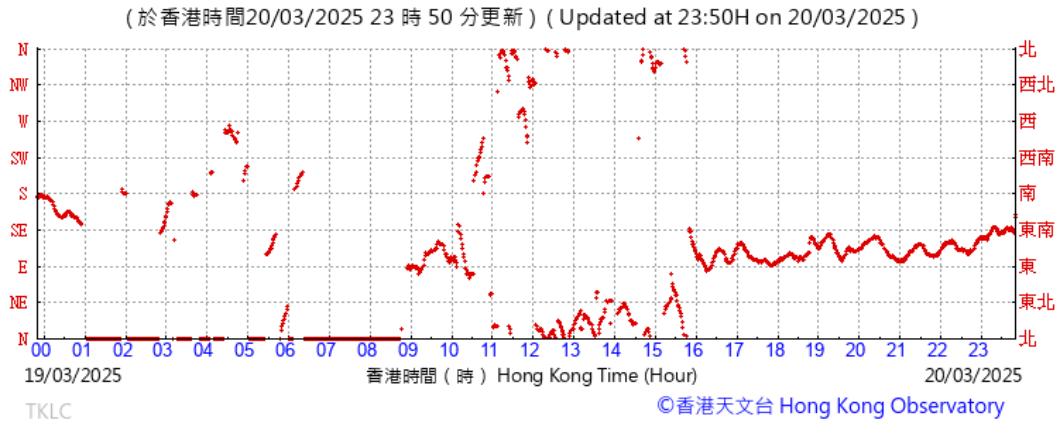
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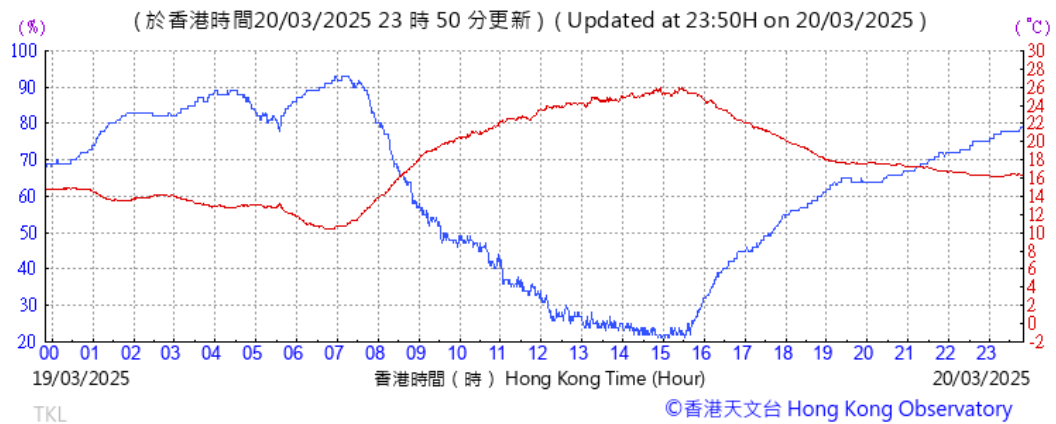
20/03/2025 Wind Speed



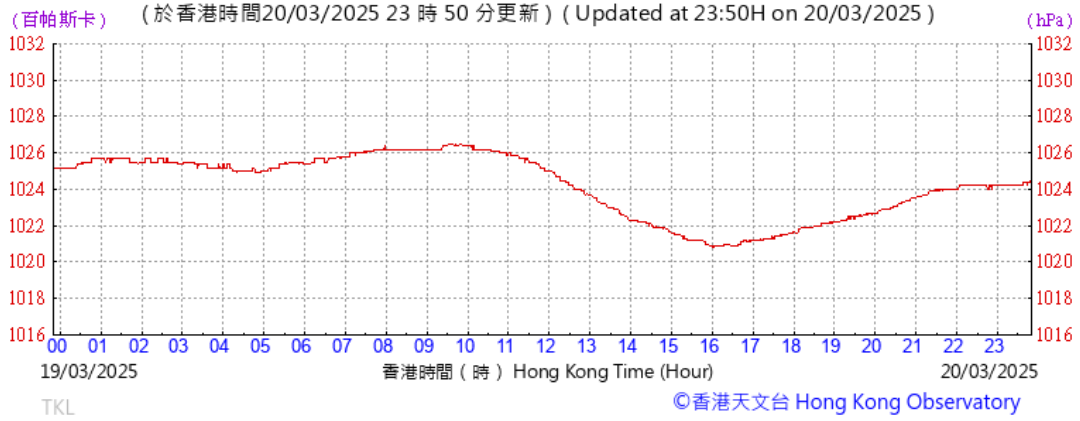
20/03/2025 Wind Direction



20/03/2025 Temperature/Humidity



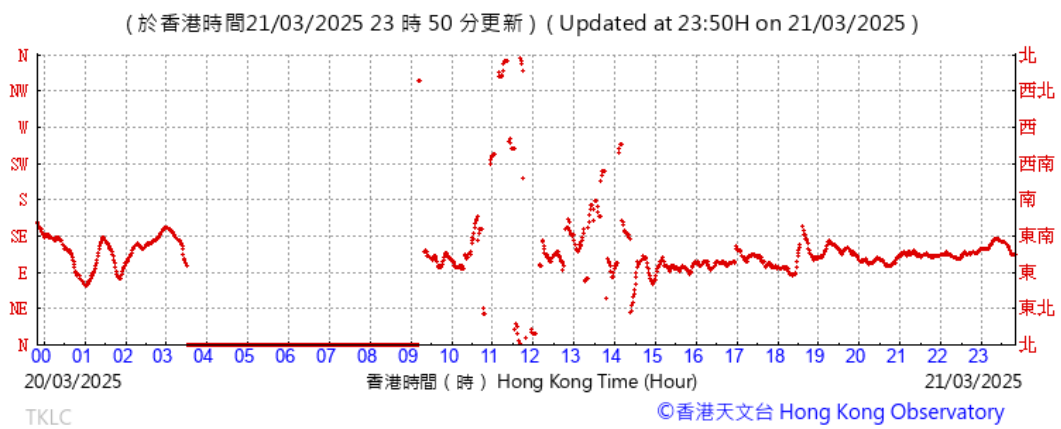
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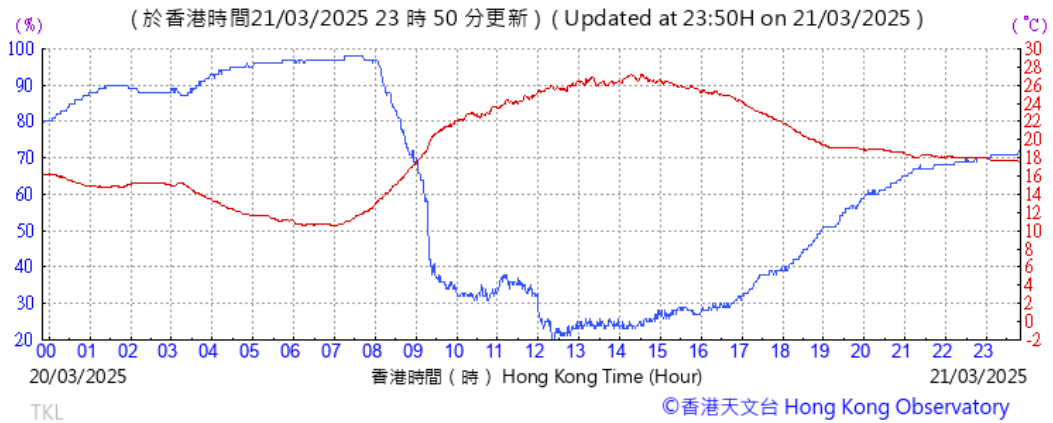
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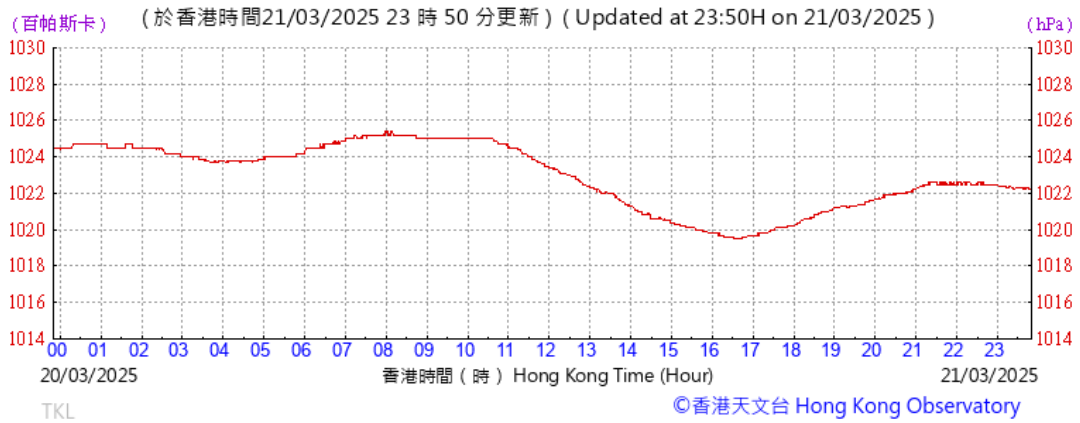
21/03/2025 Wind Direction



21/03/2025 Temperature/Humidity



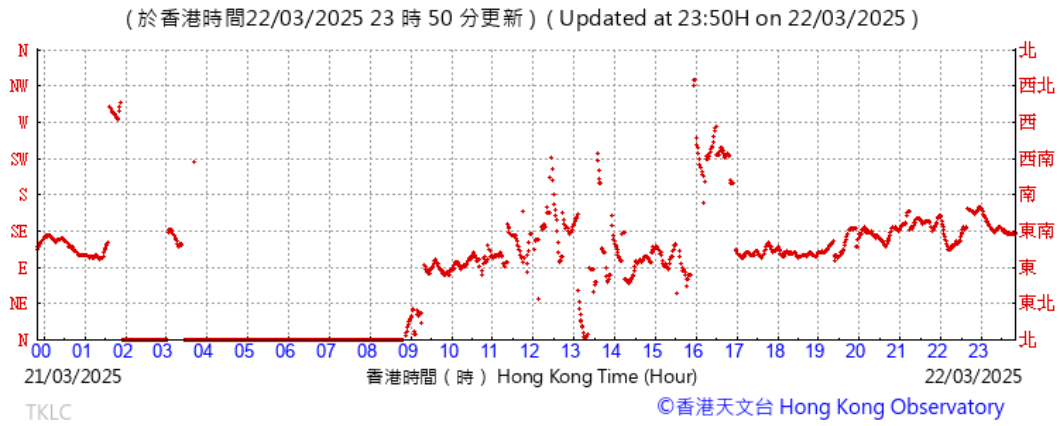
21/03/2025 Pressure



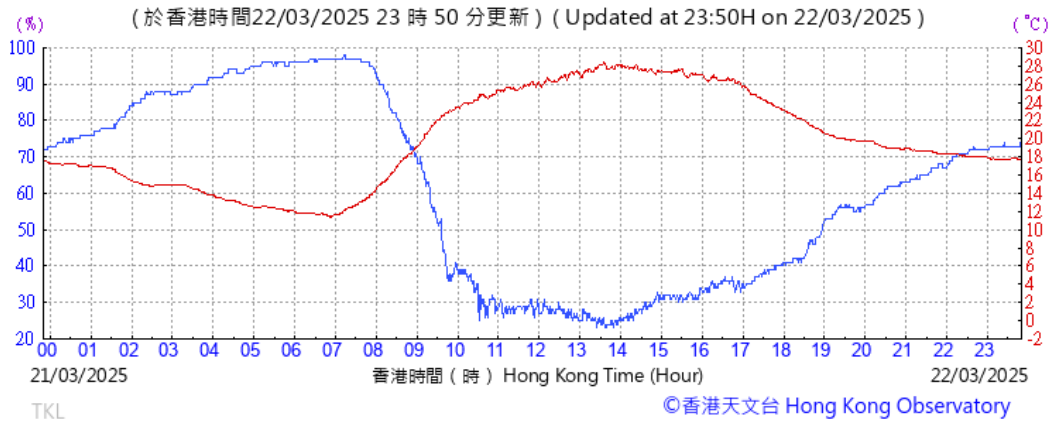
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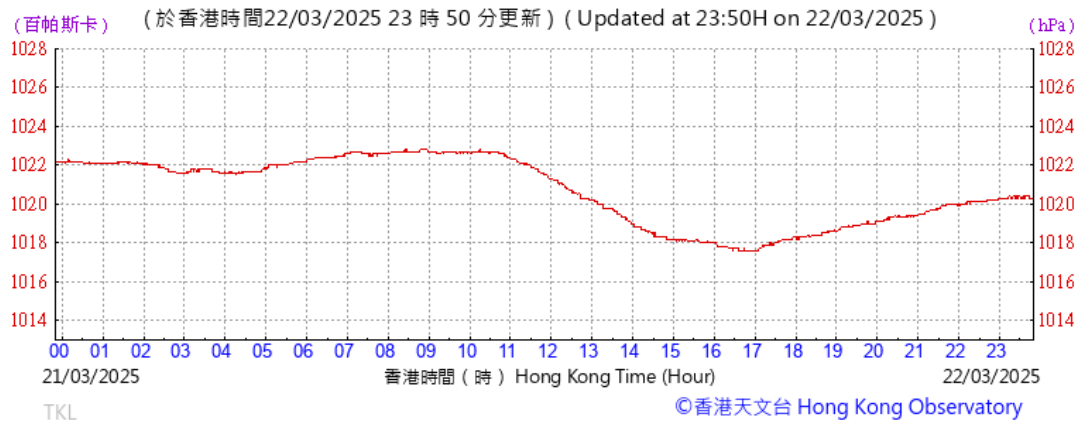
22/03/2025 Wind Direction



22/03/2025 Temperature/Humidity



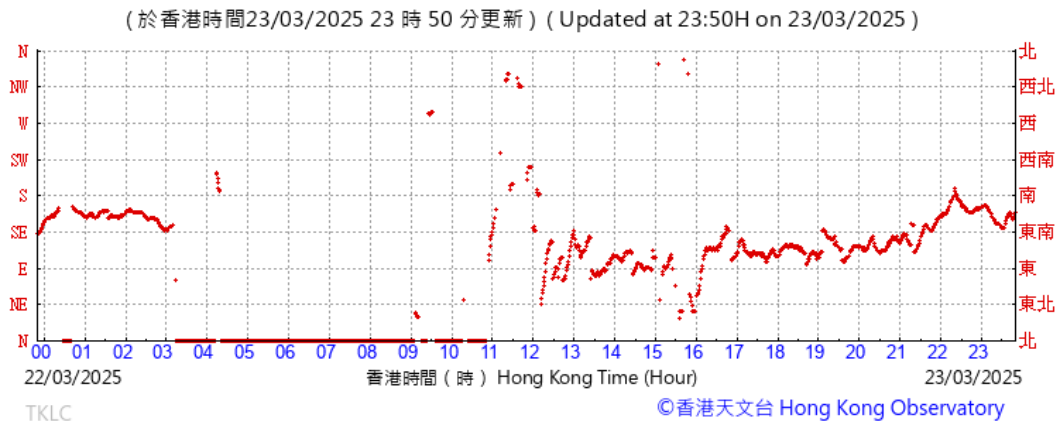
22/03/2025 Pressure



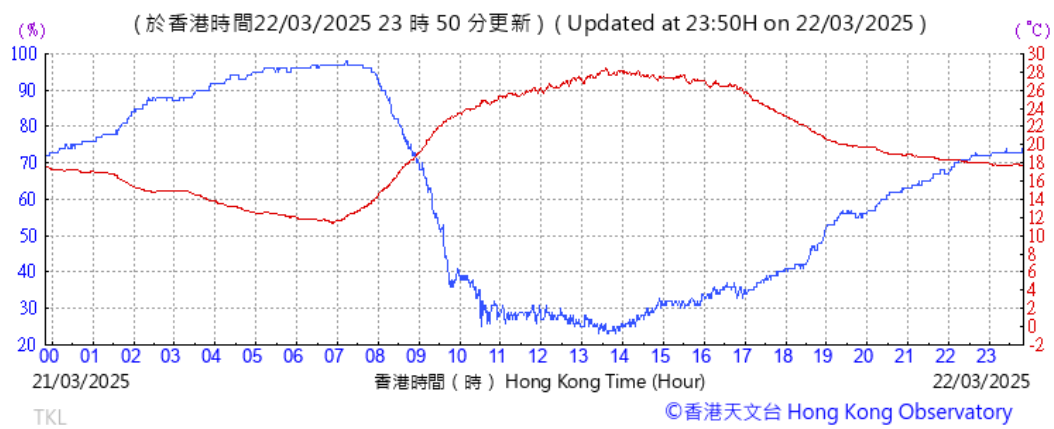
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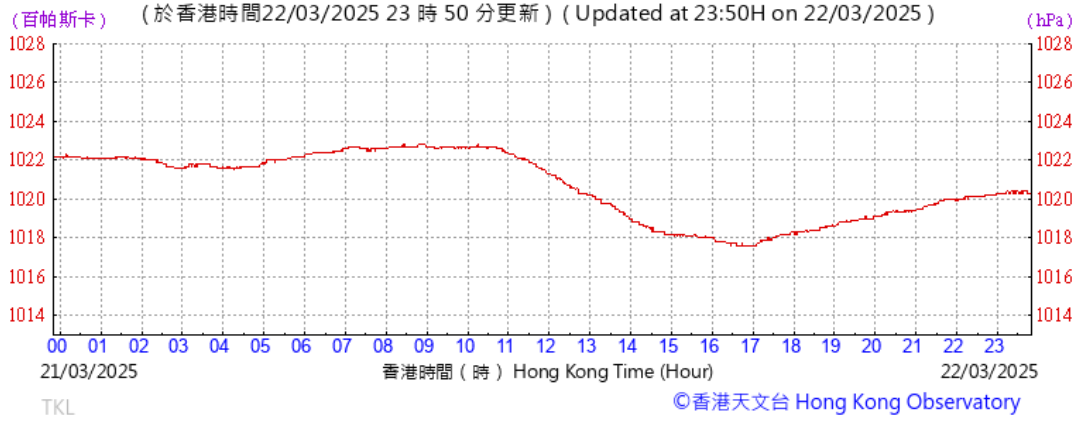
23/03/2025 Wind Direction



23/03/2025 Temperature/Humidity



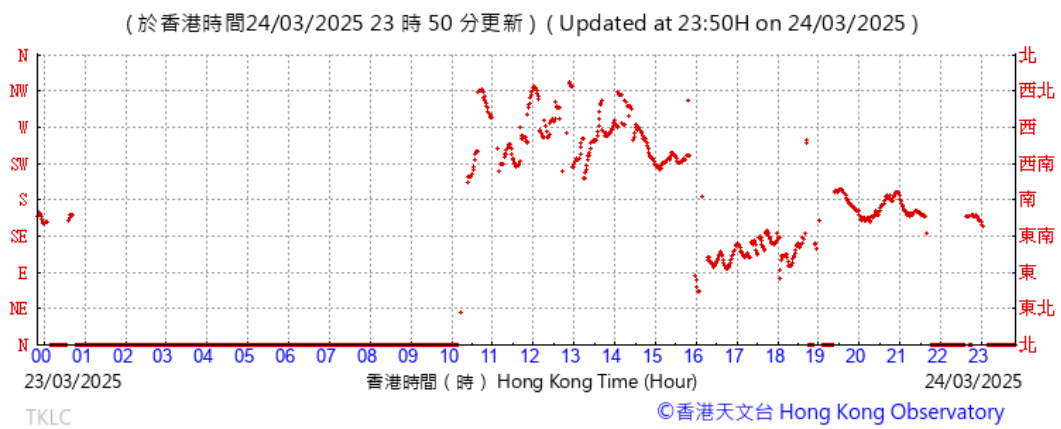
23/03/2025 Pressure



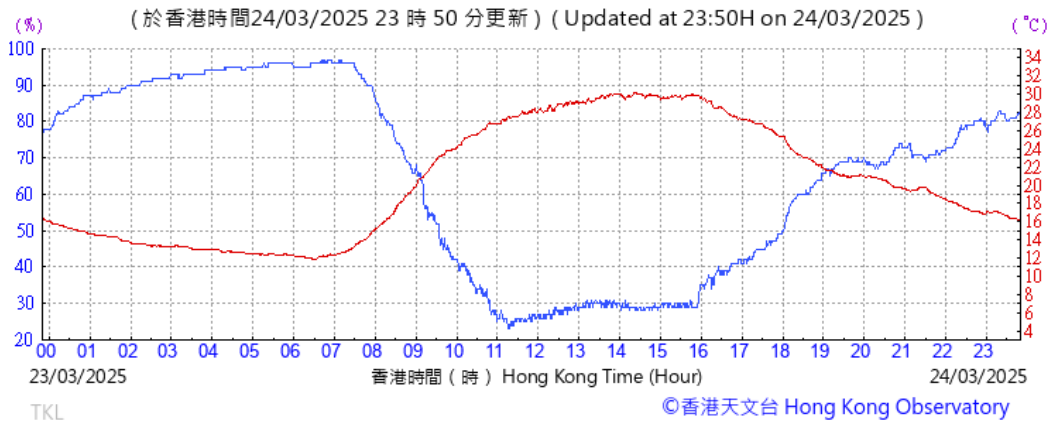
24/03/2025 Wind Speed



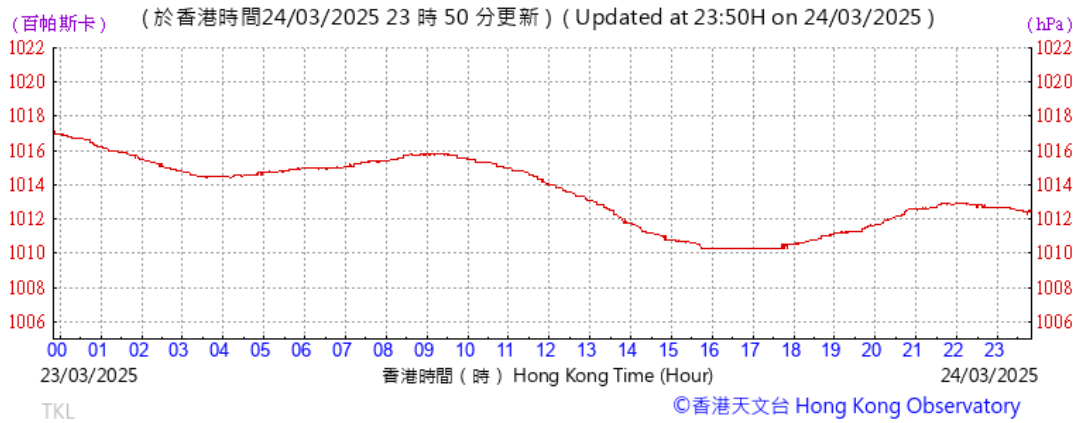
24/03/2025 Wind Direction



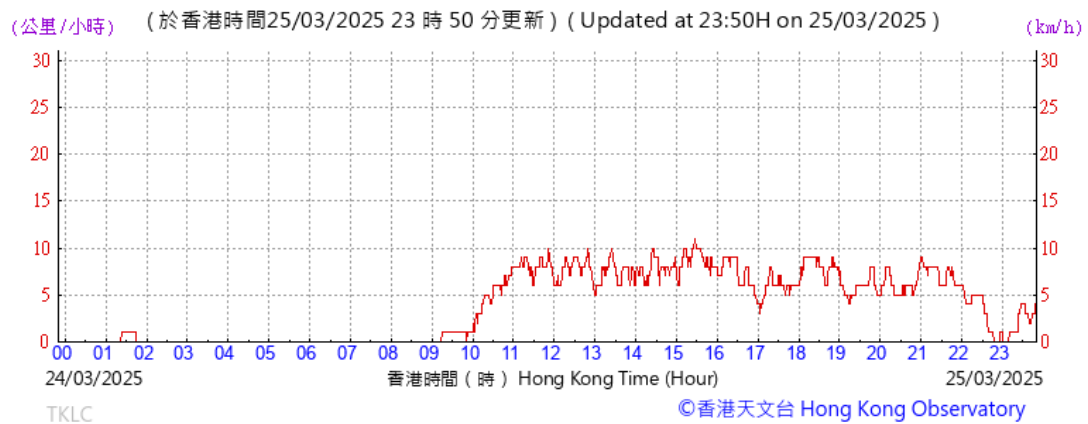
24/03/2025 Temperature/Humidity



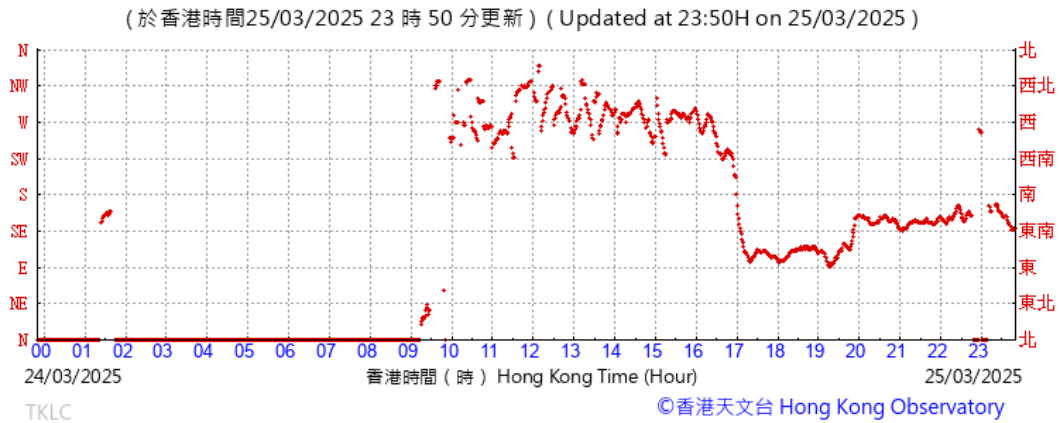
24/03/2025 Pressure



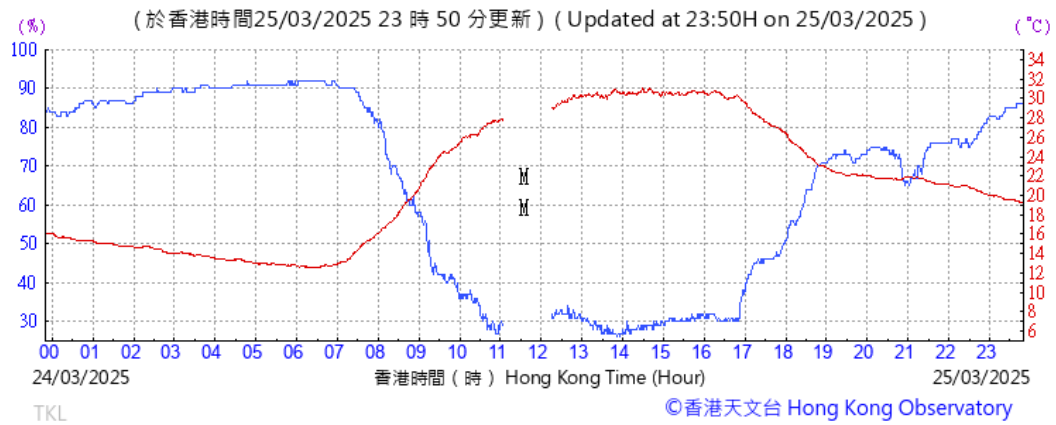
25/03/2025 Wind Speed



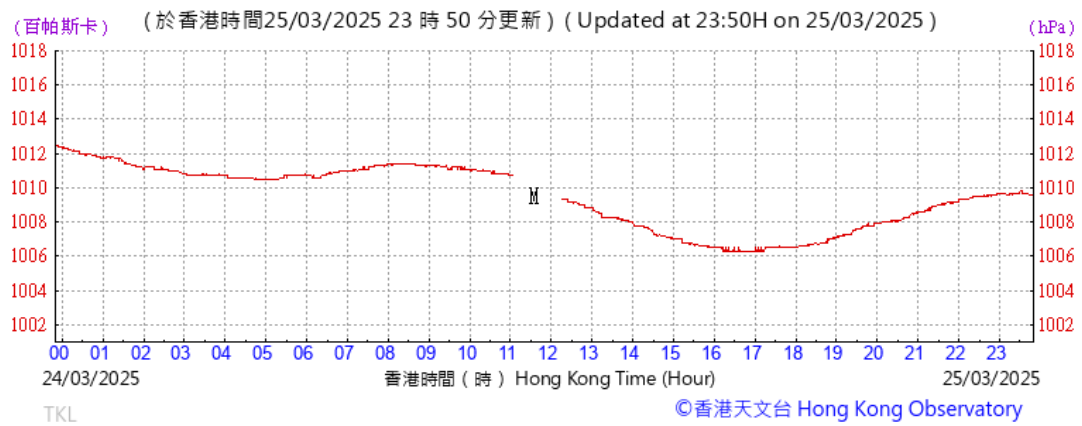
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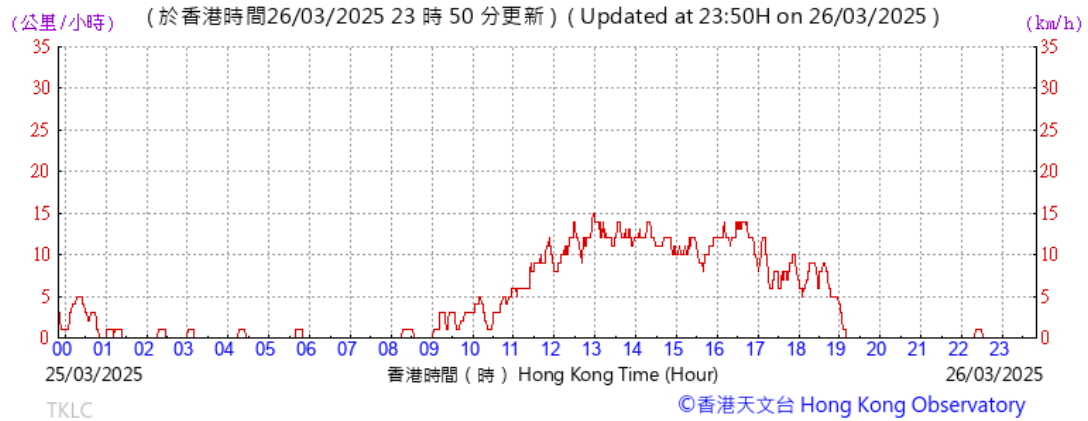
25/03/2025 Temperature/Humidity



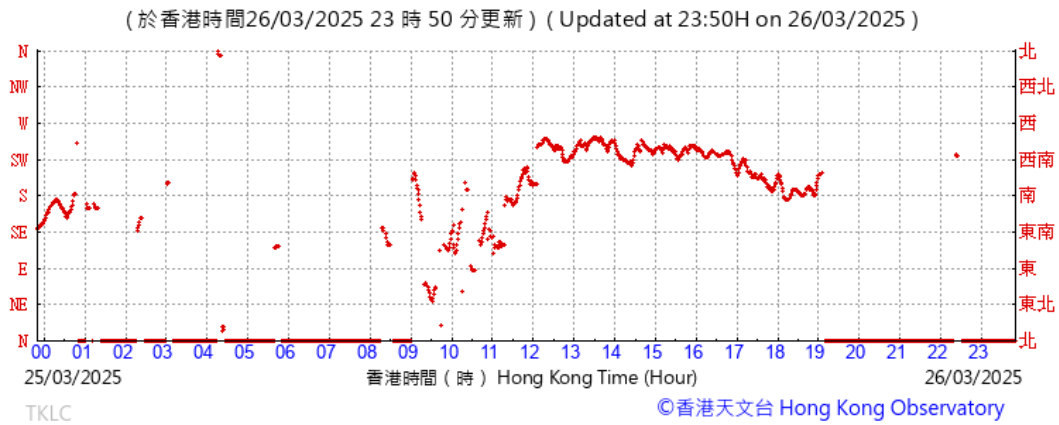
25/03/2025 Pressure



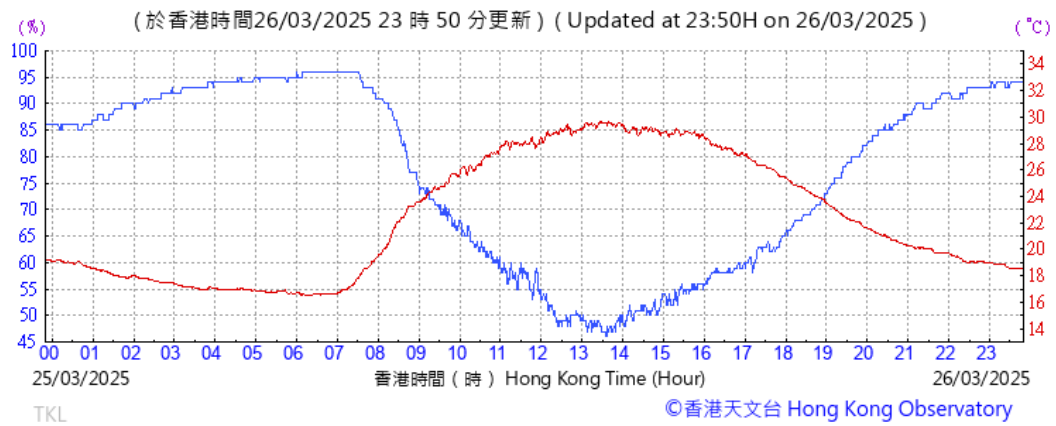
26/03/2025 Wind Speed



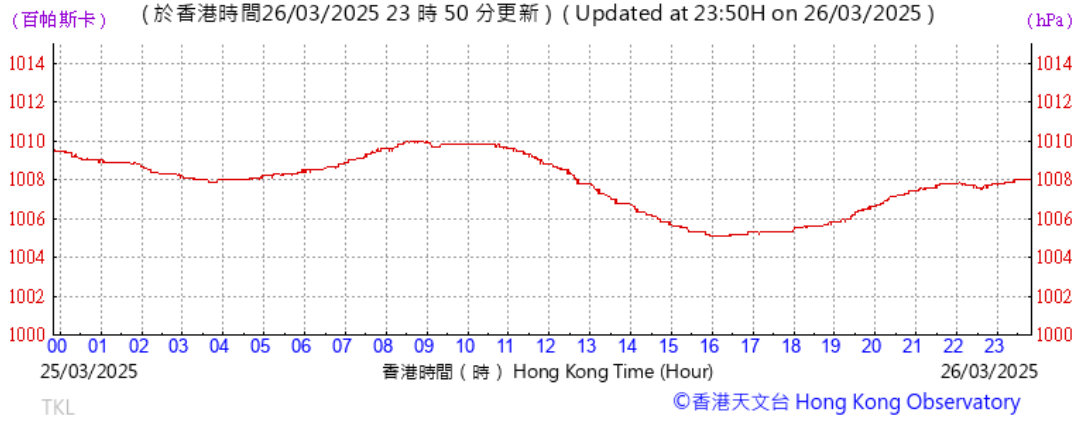
26/03/2025 Wind Direction



26/03/2025 Temperature/Humidity



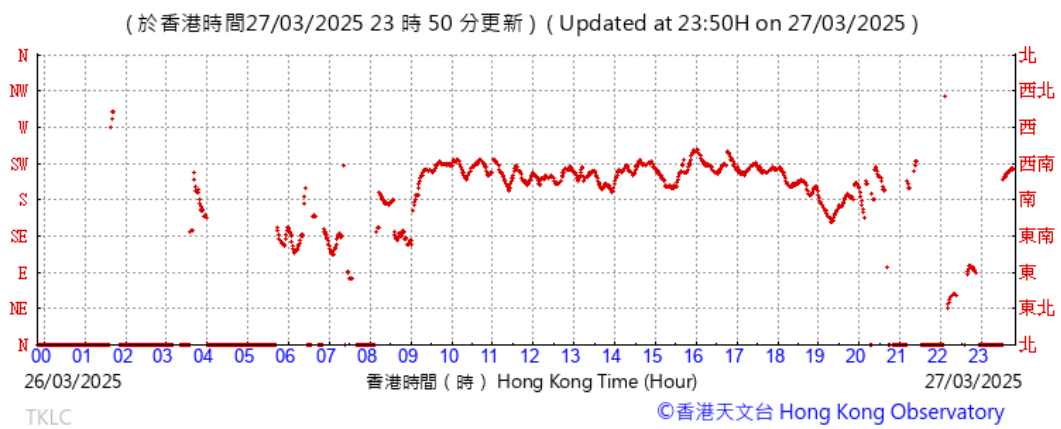
26/03/2025 Pressure



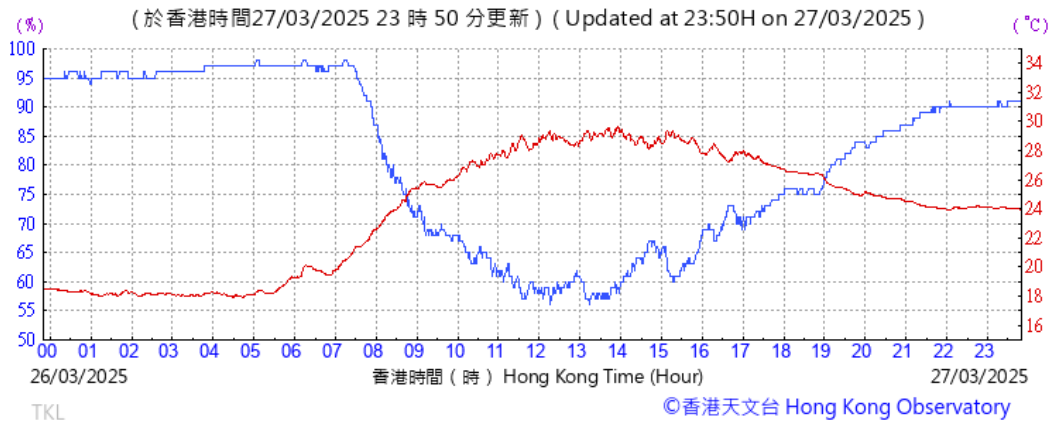
27/03/2025 Wind Speed



27/03/2025 Wind Direction



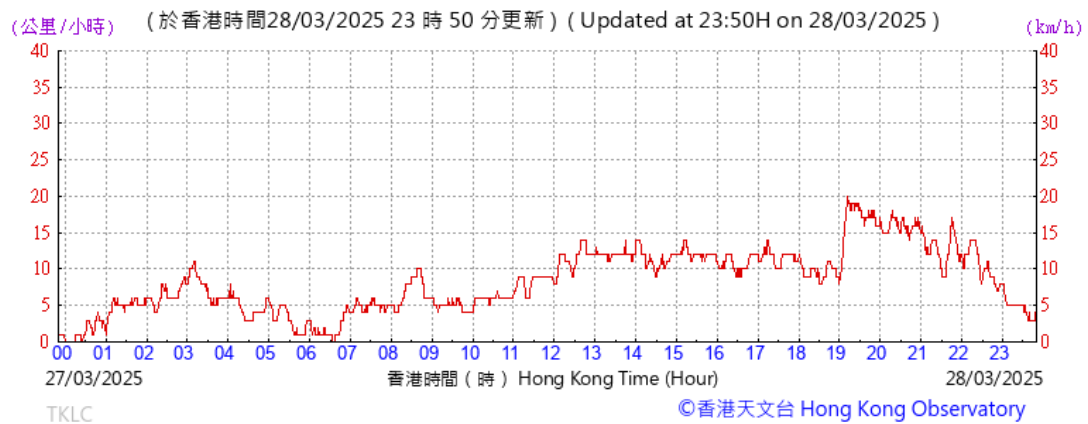
27/03/2025 Temperature/Humidity



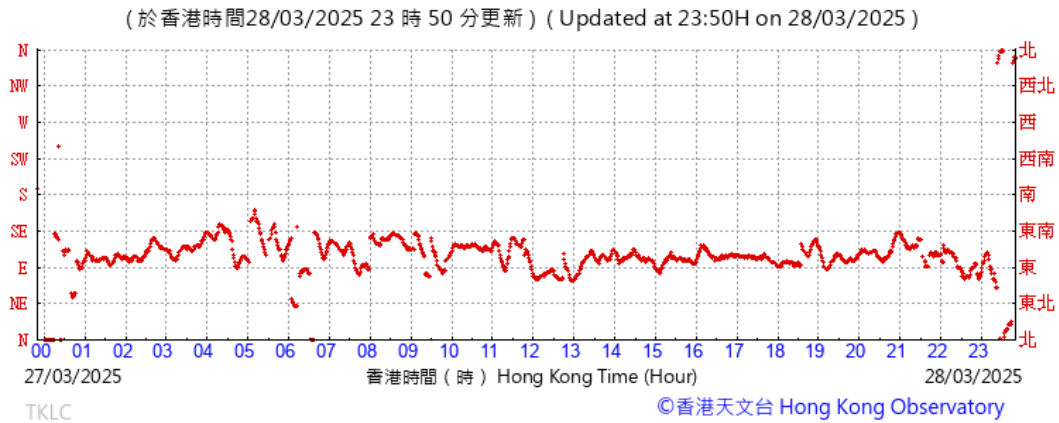
27/03/2025 Pressure



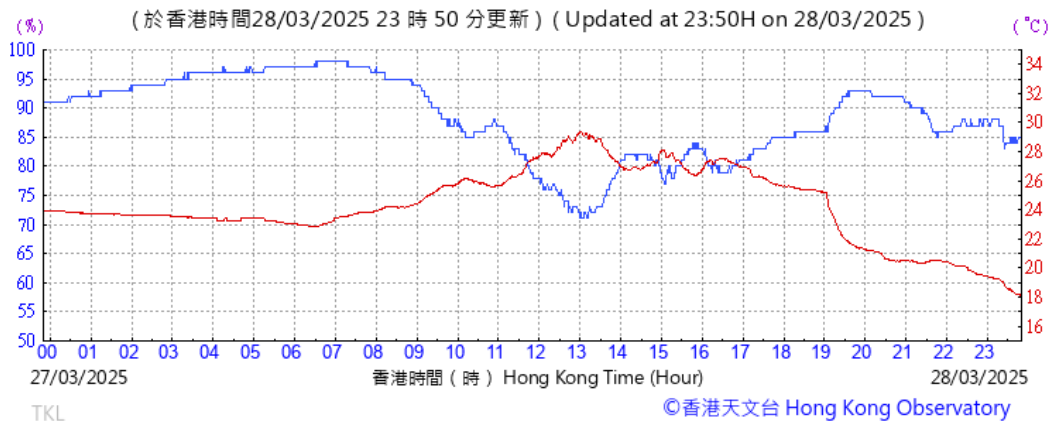
28/03/2025 Wind Speed



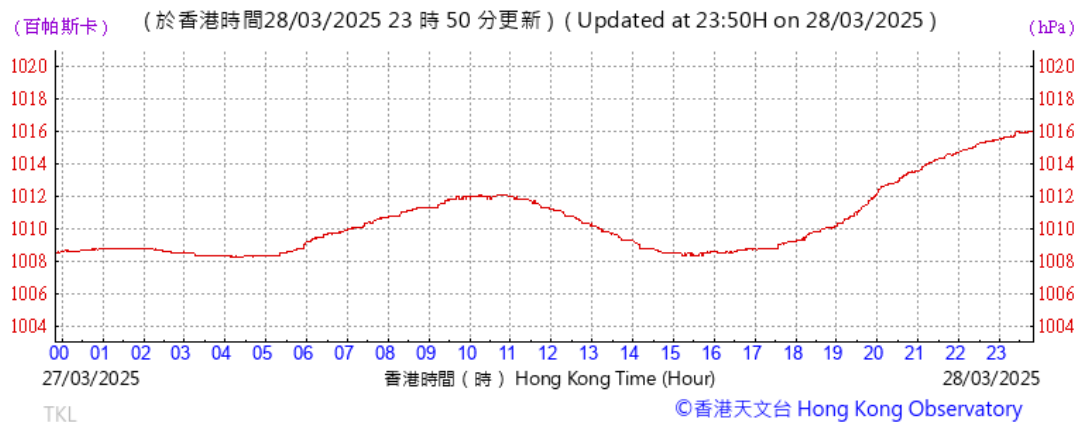
28/03/2025 Wind Direction



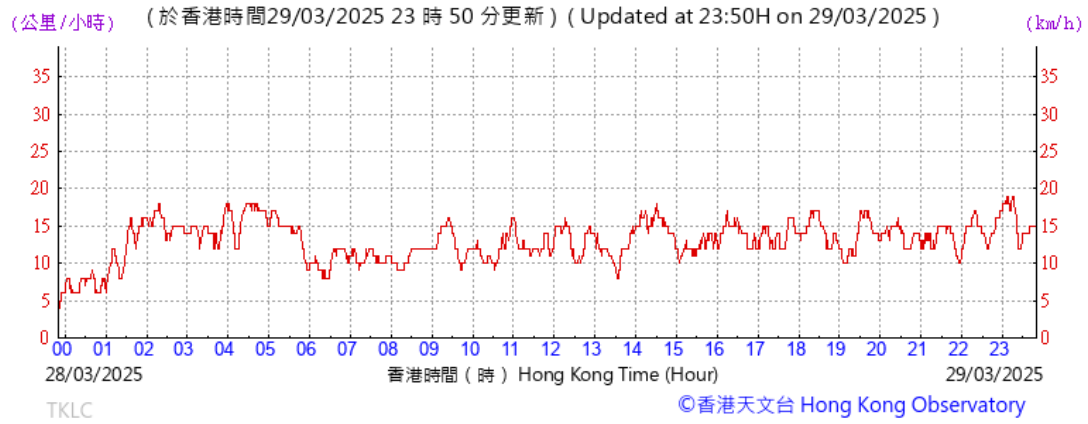
28/03/2025 Temperature/Humidity



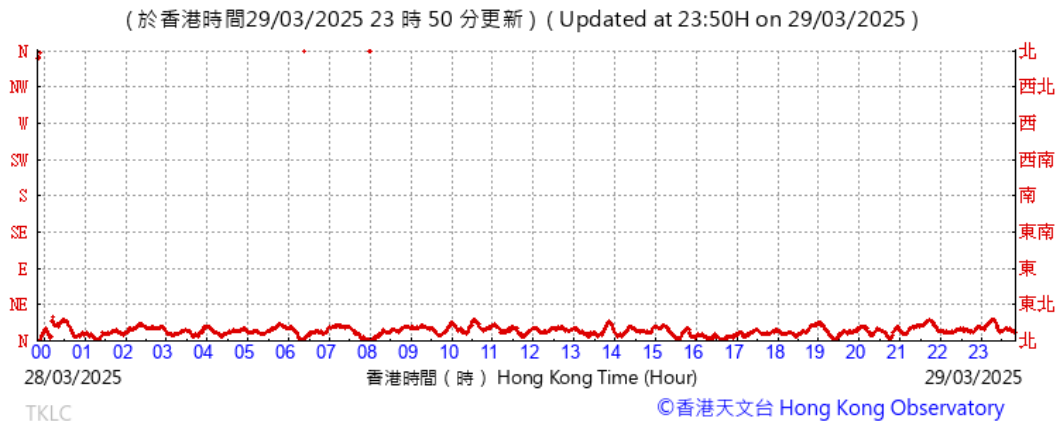
28/03/2025 Pressure



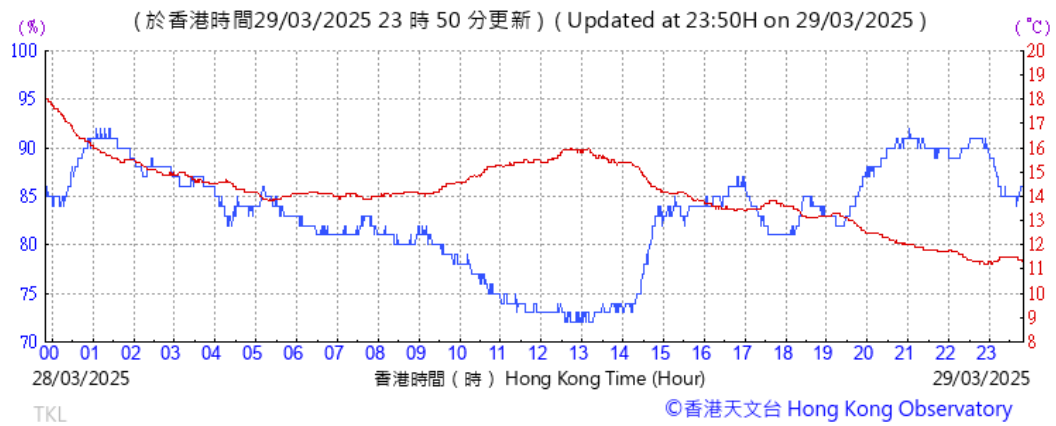
29/03/2025 Wind Speed



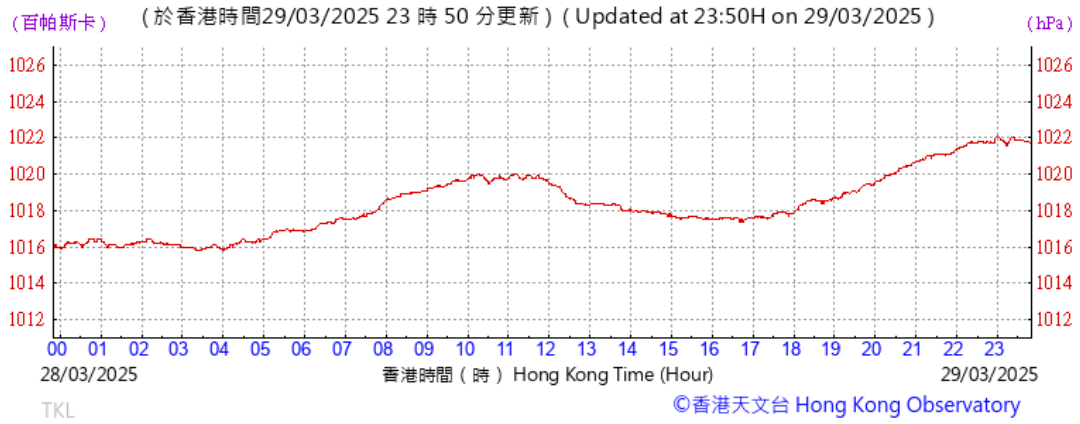
29/03/2025 Wind Direction



29/03/2025 Temperature/Humidity



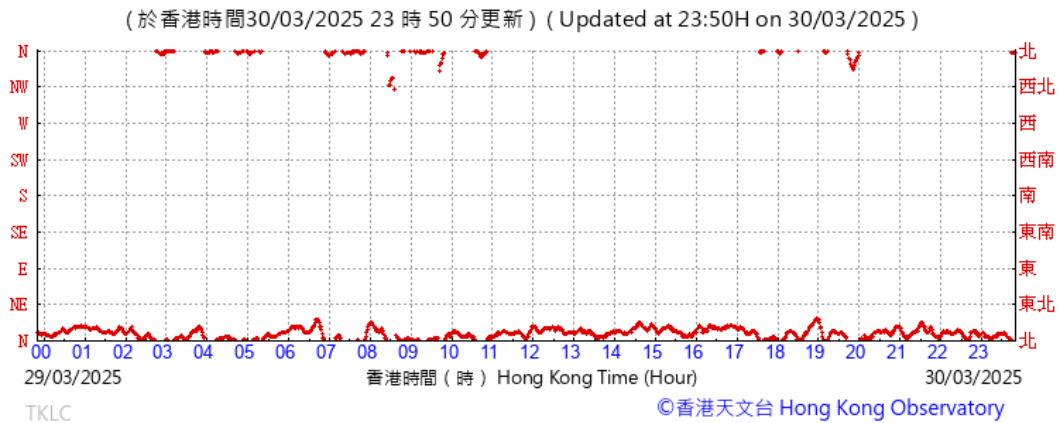
29/03/2025 Pressure



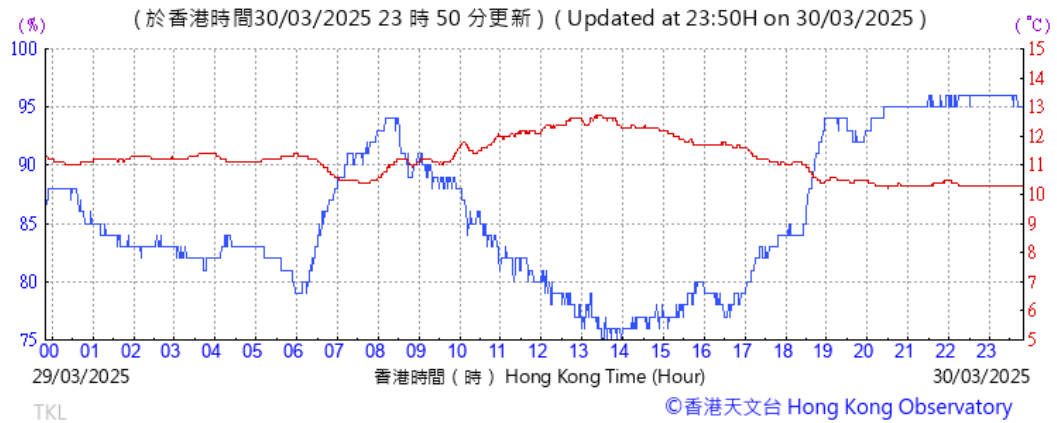
30/03/2025 Wind Speed



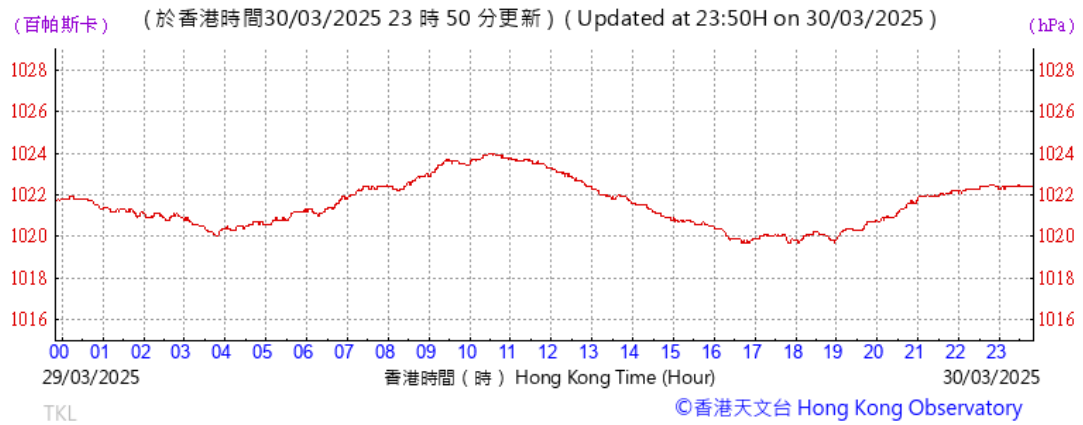
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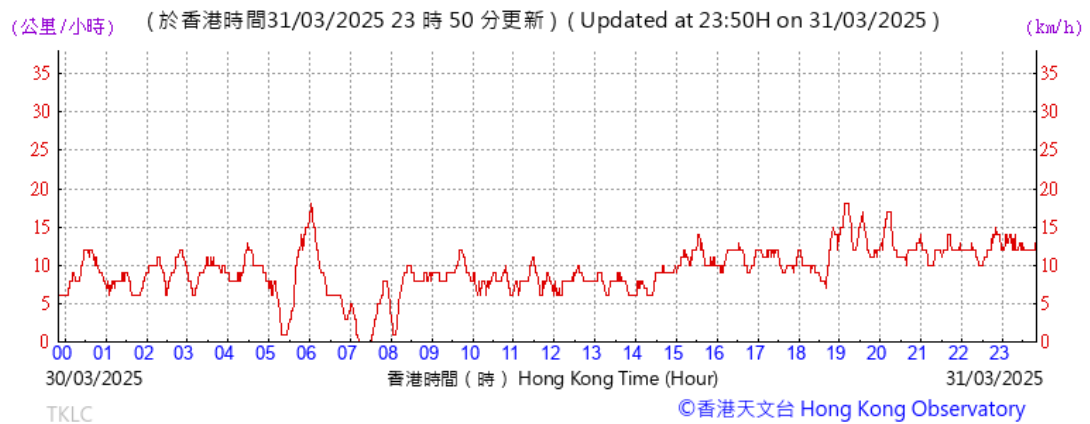
30/03/2025 Temperature/Humidity



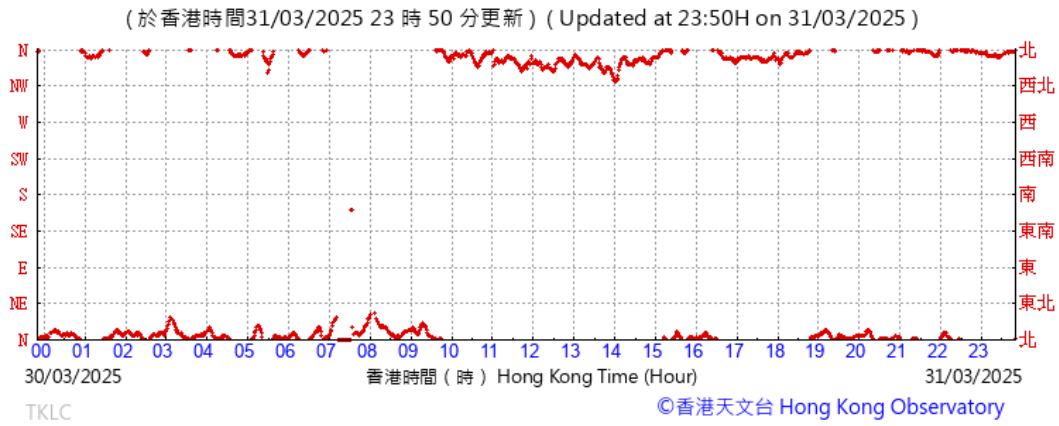
30/03/2025 Pressure



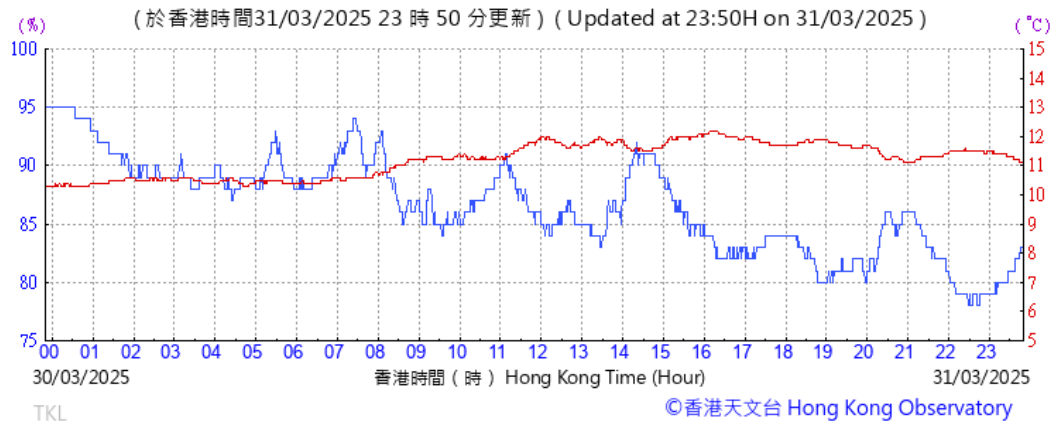
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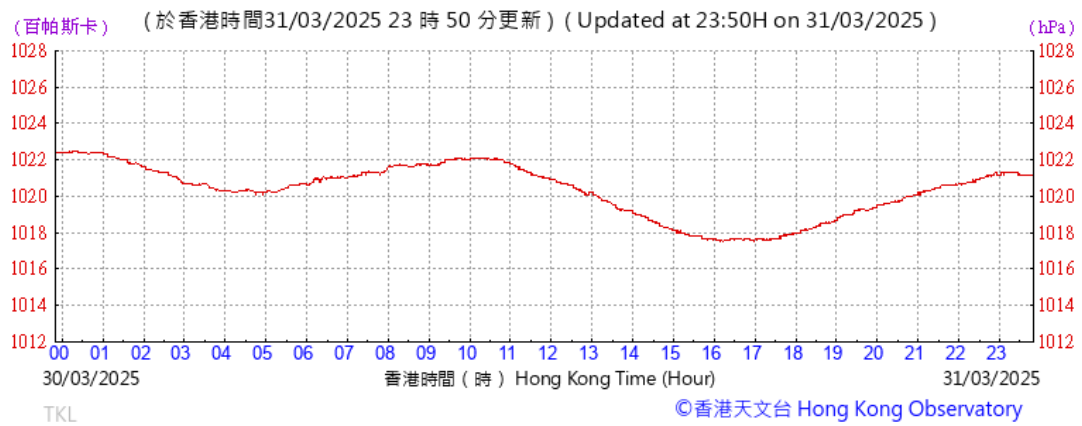
31/03/2025 Wind Direction



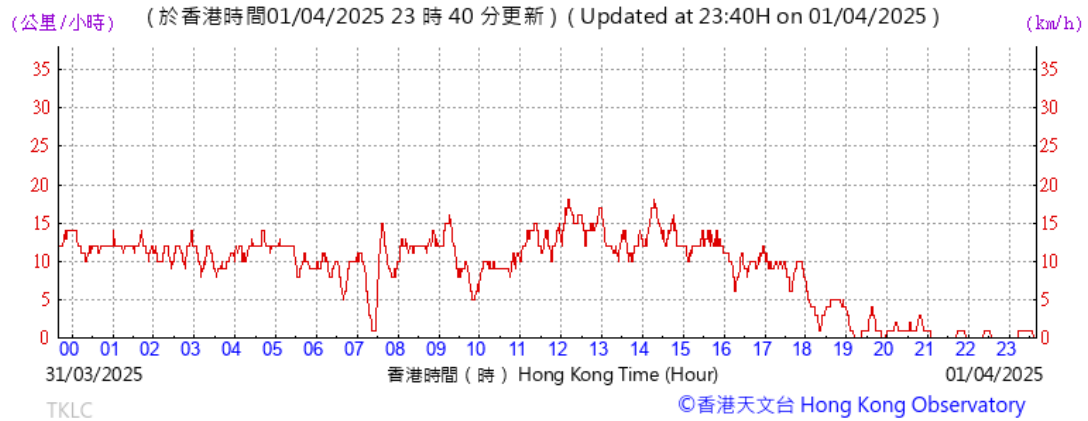
31/03/2025 Temperature/Humidity



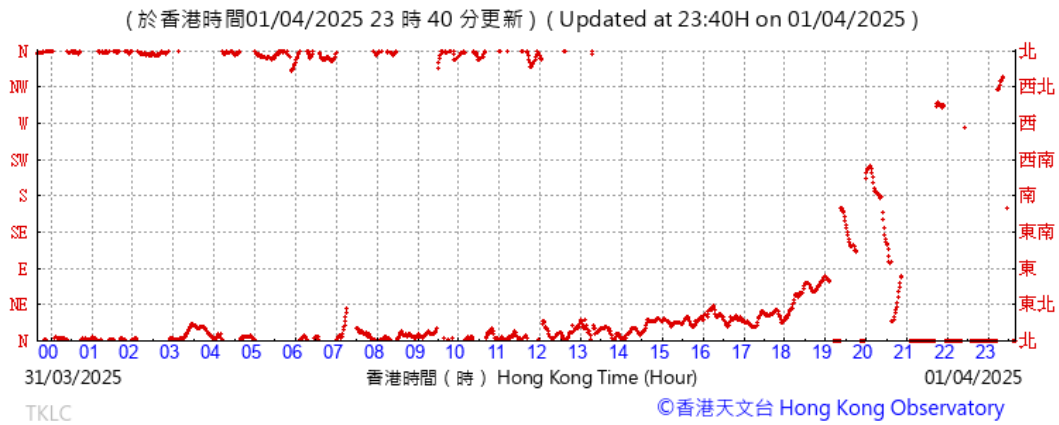
31/03/2025 Pressure



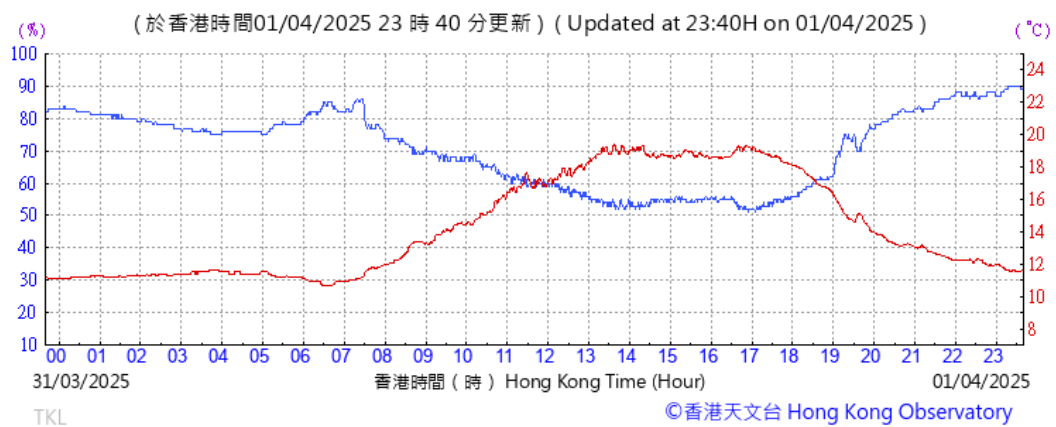
01/04/2025 Wind Speed



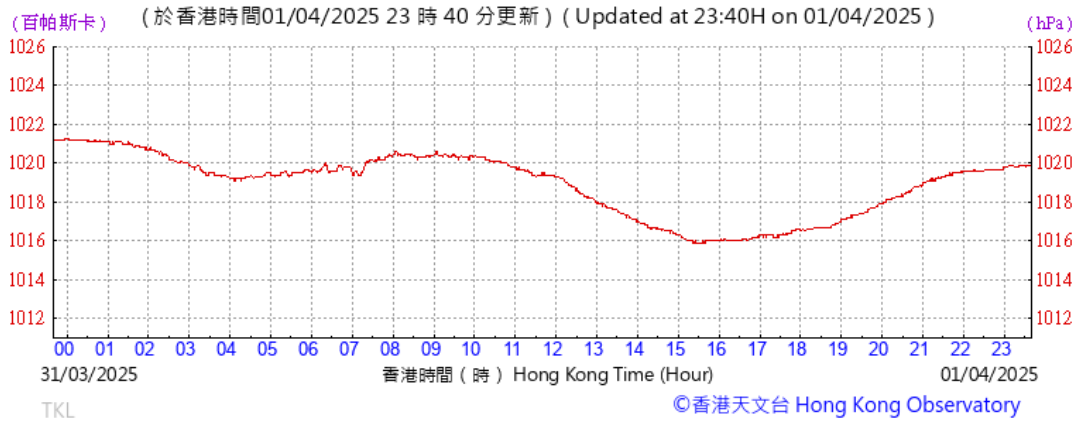
01/04/2025 Wind Direction



01/04/2025 Temperature/Humidity



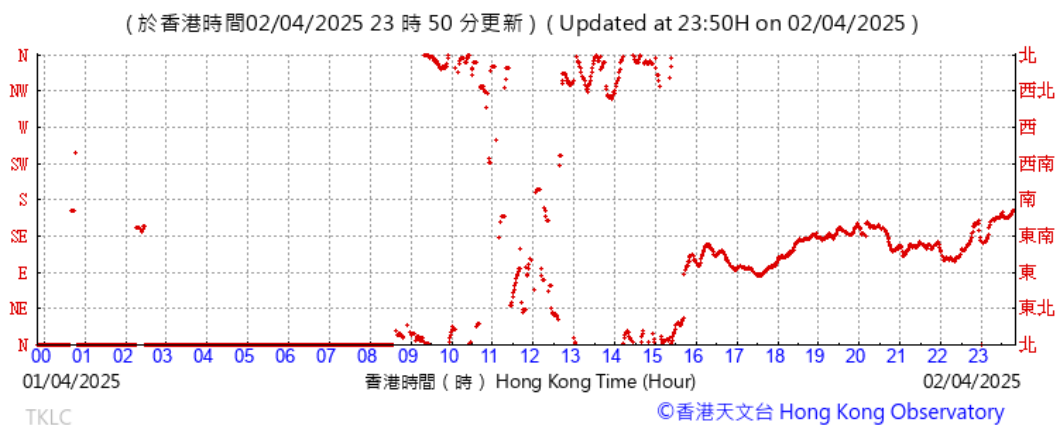
01/04/2025 Pressure



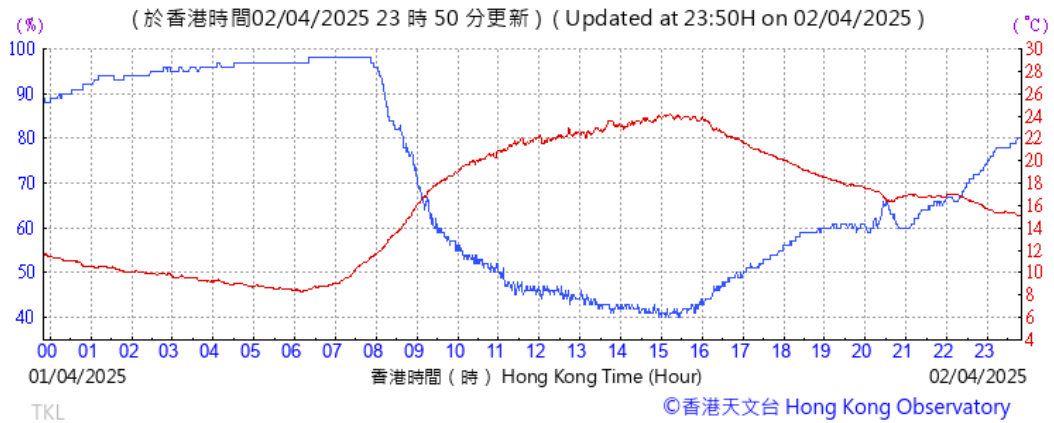
02/04/2025 Wind Speed



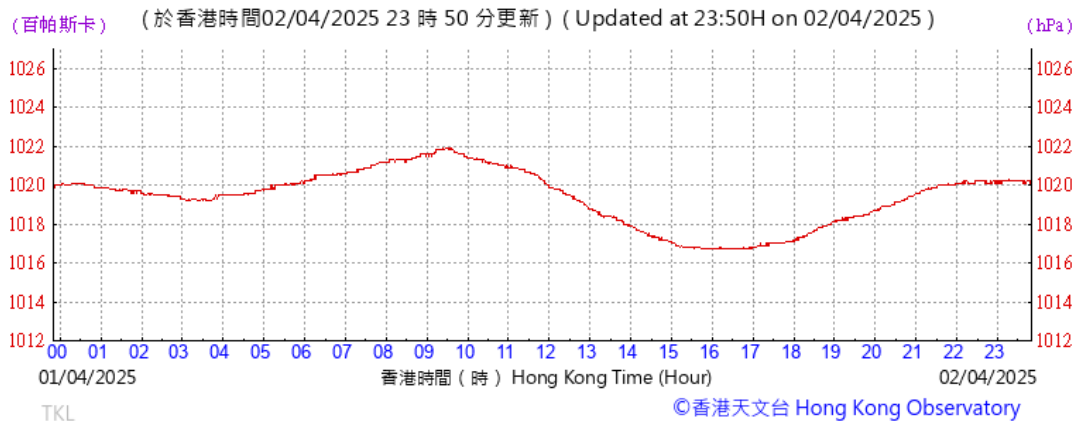
02/04/2025 Wind Direction



02/04/2025 Temperature/Humidity



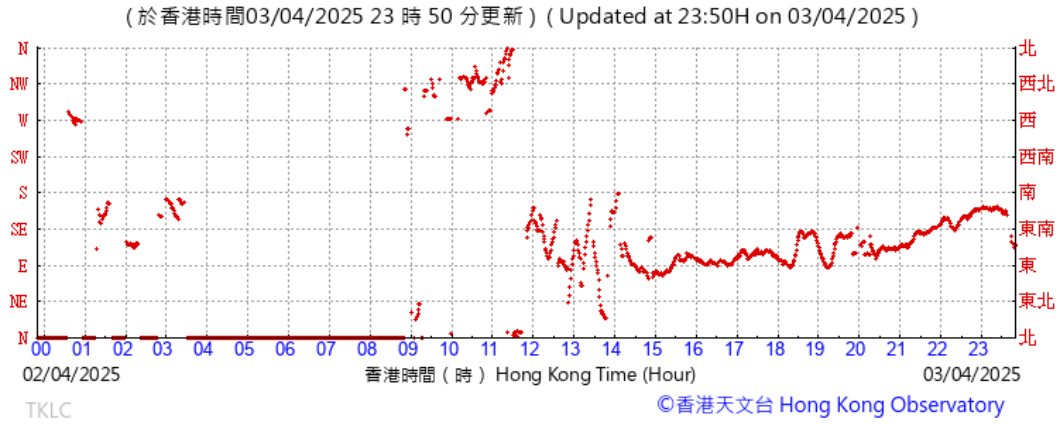
02/04/2025 Pressure



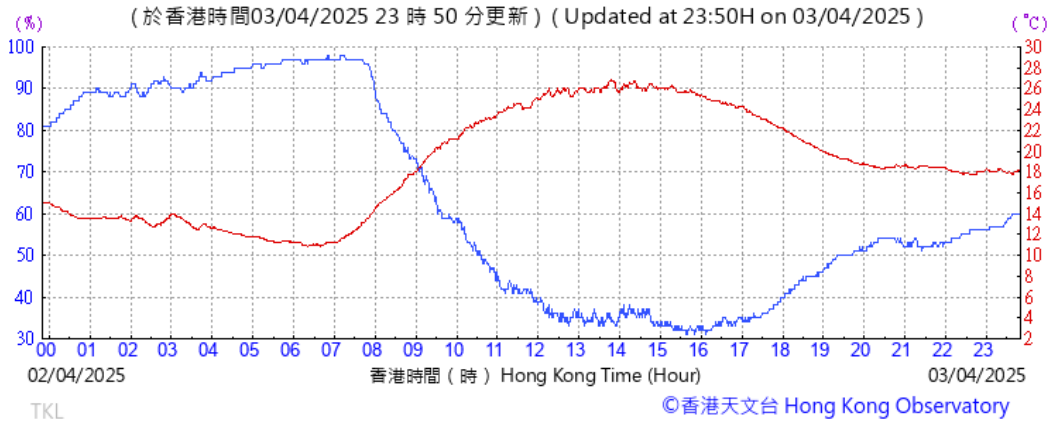
03/04/2025 Wind Speed



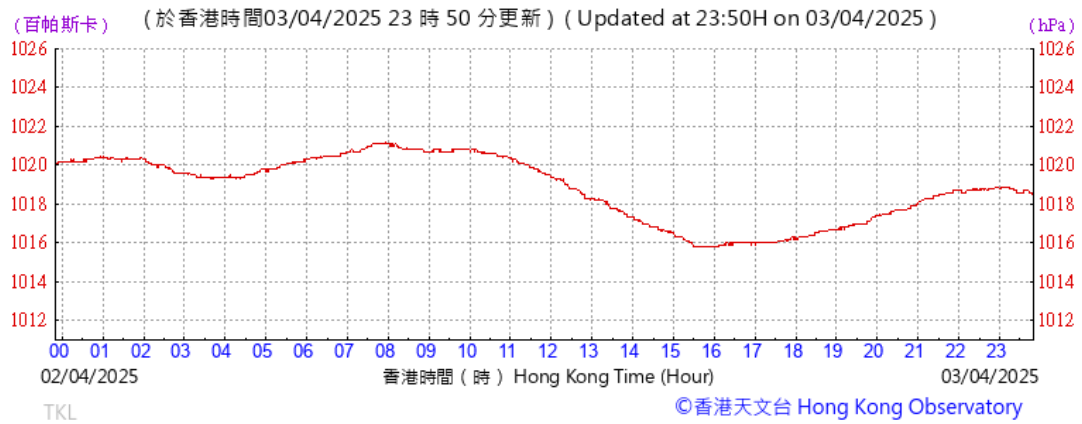
03/04/2025 Wind Direction



03/04/2025 Temperature/Humidity



03/04/2025 Pressure



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