

MTR Corporation Limited

Tung Chung Line Extension

Baseline Monitoring Report

(Condition 3.3 of EP-614/2022)

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Date: 16 May 2023

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Date: 16 May 2023

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Reference: 277416-REP-058-02

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 277416

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Executive Summary

Tung Chung Line Extension (the Project), is an approximately 1.3km extension of the existing Tung Chung Line (TCL) with two new stations namely Tung Chung East (TCE) Station and Tung Chung West (TCW) Station.

The Environmental Impact Assessment (EIA) Report for the Project (Register No.: AEIAR-235/2022) was approved with conditions on 12 July 2022 under the Environmental Impact Assessment Ordinance (EIAO). The Environmental Permit (EP) (No. EP-614/2022) was then issued on 9 August 2022 for the construction and operation of the Project.

In accordance with the approved Environmental Monitoring and Audit Manual (EM&A Manual) for the Project, baseline environmental monitoring should be conducted prior to the commencement of the construction works. According to Clause 3.3 of the EP, the Permit Holder shall submit Baseline Monitoring Report to the Director of Environmental Protection (DEP) at least 2 weeks before the commencement of construction of the Project. As the construction of the Project is tentatively scheduled to commence in Q2 2023, baseline air quality and airborne noise monitoring was therefore conducted prior to the commencement of the construction works.

The baseline air quality and noise monitoring were carried out between 30 November 2022 to 2 March 2023 at the monitoring locations in the vicinity of the construction works at TCE and TCW. Background air quality was measured in terms of 1-hr Total Suspended Particulate (TSP) while continuous baseline noise monitoring for A-weighted levels L_{eq} , L_{10} and L_{90} was conducted in a sample period of 30 minutes for non-restricted hours (0700 – 1900 of normal weekdays) and 5 minutes for restricted hours (1900 – 0700 of normal weekdays and whole day of Sundays and Public Holidays). Baseline air quality was conducted 3 times per day for two weeks while continuous baseline noise monitoring was conducted for a period of two weeks.

The averaged baseline 1-hr TSP level at the baseline monitoring locations are summarized in the following table:

Average 1-hour TSP Concentration, $\mu\text{g}/\text{m}^3$	Air Quality Monitoring Locations (Station ID)					
	G/F of Ying Yuet House (DM-1b)	G/F of Caribbean Coast (DM-1c)	Sheraton Hong Kong Tung Chung Hotel Shopping Mall (DM-2)	Area Next to Tung Chung Station (DM-3a)	Yat Tung Shopping Centre (DM-4)	Ma Wan Chung Village (DM-5a)
Average	119	142	117	118	95	127
Range	36 – 290	45 – 276	50 – 245	45 – 219	38 – 173	56 – 275

The averaged baseline airborne construction noise levels at the baseline monitoring locations are summarized in the following table:

Measured Noise Levels	Noise Monitoring Locations (Station ID)				
	Ying Tung Estate (NM1)	Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a) ^{[1][2]}	Tung Chung Crescent – street level near Tung Chung Station (NM2b) ^[1]	2/F rooftop of Yat Tung Shopping Centre (NM3a)	Caribbean Coast Podium Garden (NM4b) ^[2]
Averaged noise level during daytime of normal weekdays ($L_{eq, 30\text{mins}}$, dB(A))	64	68	56	54	66
Averaged noise level during evening time on	55	67	55	53	63

Measured Noise Levels	Noise Monitoring Locations (Station ID)				
	Ying Tung Estate (NM1)	Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a) ^{[1][2]}	Tung Chung Crescent – street level near Tung Chung Station (NM2b) ^[1]	2/F rooftop of Yat Tung Shopping Centre (NM3a)	Caribbean Coast Podium Garden (NM4b) ^[2]
all days and Holidays (including Sundays) during the daytime and evening ($L_{eq, 5mins}$, dB(A))					
Averaged noise level during night-time ($L_{eq, 5mins}$, dB(A))	51	62	45	45	58

Notes:

[1] One additional alternative baseline monitoring station was proposed for NM2 as per EPD's request to have a more understanding on the respective noise environment in Tung Chung Crescent.

[2] A correction of +3dB(A) were made to the free field measurements in NM2a and NM4b.

1. Introduction

1.1 Project Background

- 1.1.1.1 The Railway Development Strategy 2014 (RDS-2014) announced by the Government of the Hong Kong Special Administrative Region included the conceptual scheme of TCW Extension and a possible TCE Station.
- 1.1.1.2 This new railway system has been included in the approved Schedule 3 EIA for Tung Chung New Town Extension (TCNTE), which has included the new stations at TCE area and TCW area and the associated trackwork and tunnel. However, a separate Schedule 2 EIA study for this railway system is conducted to address the associated environmental impacts, taking into account of the latest design.
- 1.1.1.3 The EIA Report for Tung Chung Line Extension (the Project) (AEIAR-235/2022) was approved on 12 July 2022. The EP (No. EP-614/2022) was then issued on 9 August 2022. According to Clause 3.3 of the EP, the Permit Holder shall submit Baseline Monitoring Report to the Director of Environmental Protection (DEP) at least 2 weeks before the commencement of construction of the Project for approval.

1.2 Purpose of the Report

- 1.2.1.1 In accordance with Section 15.2 of the approved Environmental Monitoring and Audit Manual (EM&A Manual) for the Project, baseline environmental monitoring should be conducted prior to the commencement of the construction works. According to Clause 3.3 of the EP, the Permit Holder shall submit Baseline Monitoring Report to the Director of Environmental Protection (DEP) at least 2 weeks before the commencement of construction of the Project for approval.
- 1.2.1.2 As the construction of the Project is tentatively scheduled to commence in Q2 2023, baseline air quality and airborne noise monitoring were therefore conducted prior to the commencement of the construction works. This Baseline Monitoring Report is prepared to summarise the time, locations, equipment, methodology, results, as well as observations obtained during the baseline construction dust and airborne construction noise monitoring, and establish the action and limit levels for the subsequent impact monitoring during the construction phase.

1.3 Structure of the Report

- 1.3.1.1 The structure of the report is as follows:

- | | |
|------------------|--|
| Section 1 | Introduction – provides project background, purpose and structure of the report. |
| Section 2 | Air Quality – presents the requirements, methodology and findings of the baseline construction dust monitoring. |
| Section 3 | Noise – presents the requirements, methodology and findings of the baseline airborne construction noise monitoring. |
| Section 4 | Conclusion – concludes the findings of baseline monitoring |

2. Air Quality

2.1 Monitoring Requirement

2.1.1.1 According to the approved EM&A Manual of the Project, baseline monitoring shall be carried out at all of the designated monitoring locations (see **Section 2.3**) for at least two weeks prior to the commissioning of major construction works to obtain ambient 1-hour Total Suspended Particulate (TSP) samples. Ambient 1-hour sampling should also be done at least 3 times per day at each monitoring station.

2.2 Monitoring Methodology

Monitoring Equipment

2.2.1.1 High Volume Sampler (HVS) was used to conduct the 1-hour TSP monitoring at each monitoring stations and the details are summarised in **Table 2.1**. The copies of the calibration certificate for the HVS are provided in **Appendix A**.

Table 2.1 Monitoring equipment

Equipment	Model
TSP HVS	TE – 5025A

Monitoring Procedure

Installation

2.2.1.2 Each HVS is composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with the requirement of USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50). Moreover, the HVS also met all the requirements in Section 4.4 of the EM&A Manual.

2.2.1.3 The general procedure for baseline construction dust monitoring using HVS, in accordance with the manufacturer's instruction, is detailed as below:

- A horizontal platform with appropriate support to secure the samplers against gusty wind shall be provided;
- No two samplers shall be placed less than 2 metres apart;
- The distance between the sampler and an obstacle, such as buildings, must be at least twice the height that the obstacle protrudes above the sampler;
- A minimum of 2 metres of separation from any supporting structure, measured horizontally is required;
- No furnace or incinerator flue is nearby;
- Airflow around the sampler is unrestricted;
- The sampler is more than 20 metres from the dripline; and
- Any wire fence and gate, to protect the sampler, shall not cause any obstruction during monitoring.

Operation

2.2.1.4 Operating/analytical procedures of HVS for the air quality monitoring are highlighted as follows:

- Prior to the commencement of the TSP monitoring, the flow rate of the HVS was properly set (between 0.6 m³ /min. and 1.7 m³ /min);
- The power supply was checked to ensure the sampler worked properly;
- Upon sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated monitoring station;
- Before sampling, the filter was checked to ensure it is clean with no pinhole;
- The filter holding frame was then removed by loosening the four nuts and a weighted and conditioned filter was centred carefully with the stamped number upwards, on a supporting screen;
- The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges;
- The shelter lid was closed and secured with the aluminium strip;
- The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number);
- After sampling, the filter was removed and kept in a clean and tightly sealed plastic bag. The filter paper was then be returned to the Fugro Technical Services Limited (Material Lab) for reconditioning in the humidity-controlled chamber followed by accurate weighting by an electronic balance with a readout down to 0.1mg. The elapsed time was also recorded; and
- Before weighing, all filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C; the relative humidity (RH) is < 50% and not variable by more than ±5%. A convenient working RH is 40%. Weighing results was then retrieved for further analysis of TSP concentrations collected by each filter.

Maintenance and calibration (QA/QC)

2.2.1.5 The maintenance / calibration requirements are as follows:

- The high volume motors and their accessories were properly maintained by the monitoring team. Appropriate maintenances such as routine motor brushes replacement and electrical wiring checking are made to ensure that the equipment and necessary power supply are in good working condition;
- All HVSs were calibrated (five point calibration) using TE-5025A Calibration Kit prior to the commencement of the baseline monitoring; and
- High volume samplers will be calibrated at bi-monthly intervals using TE-5025A Calibration Kit throughout the air quality monitoring period, if necessary.

Laboratory Measurement / Analysis

- 2.2.1.6 Fiberglass filters of size 8” x 10” were labelled before sampling. A Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory, Fugro Technical Services Limited, is responsible for the preparation of 24-hr conditioned and preweighed filter papers for the monitoring team. The balance for weighting filter paper was regularly calibrated against a traceable standard.
- 2.2.1.7 All filters, which were prepared by Fugro Technical Services Limited, were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ± 3 °C; the relative humidity (RH) was < 50% and not variable by more than $\pm 5\%$. A convenient working RH was 40%.

Weather data

- 2.2.1.8 Wind data at Chek Lap Kok Wind Station collected by the Hong Kong Observatory (HKO) were used for the monitoring and are shown in **Appendix B**.

2.3 Monitoring Location

- 2.3.1.1 As stipulated in Sections 4.6 of the approved EM&A Manual of the Project, a total of 6 nos. of construction dust monitoring stations were proposed and the locations are summarised in **Table 2.2** below.

Table 2.2 Proposed construction dust monitoring locations in the approved EM&A Manual

Monitoring Station ID	ASR ID	Location	Construction Activity	Approximate Horizontal Distance from the nearest Construction Activities (m)	Monitoring Period ^[1]
DM-1	A05	Rosita Yuen Kindergarten	TCE Station and TCL realignment	~70	Throughout the construction period of corresponding activity
DM-1a ^[2]	P21a	TCNTE East - Planned Commercial Development (COM-1/Area 57)	TCE Station and TCL realignment	~40	
DM-2	A11a	Sheraton Hong Kong Tung Chung Hotel Shopping Mall (Fresh Air Intake)	Barging point operation	~80	
DM-3	A37	Shops at Tung Chung Crescent	TBM launching/ retrieval shaft	~10	
DM-4	A85	Yat Tung Shopping Centre	TCW Station	~10	
DM-5	A95	Ma Wan Chung Village	TCW Station	<10	

Note:

[1] The monitoring period is subject to the construction programme of the relevant contracts in the construction phase.

[2] Monitoring location DM-1a shall supersede DM-1 once the planned development at DM-1a commences operation during the corresponding construction activity.

2.3.1.2 Alternative baseline monitoring location for some monitoring stations, including DM1, DM-1a, DM3 and DM5 are proposed and agreed with Independent Environmental Checker (IEC) and Environmental Protection Department (EPD). The locations of monitoring stations in the approved EM&A Manual and alternative baseline monitoring locations are summarised in **Table 2.3** below and provided in **Appendix C**.

Table 2.3 Baseline dust monitoring locations proposed

Monitoring Station ID in the approved EM&A Manual	Alternative Baseline Monitoring Location Proposed (Yes/No)	Alternative Baseline Monitoring Station ID	Location	Approximate Horizontal Distance from the nearest Construction Activities (m)
DM-1	Yes	DM-1b	G/F of Ying Yuet House	~90
DM-1a	Yes	DM-1c	G/F of Caribbean Coast	~160
DM-2	No	N/A	Sheraton Hong Kong Tung Chung Hotel Shopping Mall	~80
DM-3	Yes	DM-3a	Area next to Tung Chung Station	~90
DM-4	No	N/A	Yat Tung Shopping Centre	~10
DM-5	Yes	DM-5a	Ma Wan Chung Village	<10

Note:

[1] Alternative impact monitoring location at DM1, DM-1a, DM-3 and DM-5, if any, would be reviewed and proposed, subject to the actual conditions during the construction phase.

2.3.1.3 The justifications of the proposed alternative baseline monitoring locations are detailed below:

Rosita Yuen Kindergarten (DM-1)

2.3.1.4 Due to safety concern of the students of the kindergarten at DM-1, an alternative baseline monitoring location, DM-1b, which is also located at G/F of Ying Yuet House facing the northeast direction, is proposed. It is considered representative as the two monitoring locations are separated with about 30m.

TCNTE East – Planned Commercial Development (COM-1/Area 57) (DM-1a)

- 2.3.1.5 DM-1a, located in Area 57 under Planned Commercial Development of TCNTE, is currently a construction site and the site is not suitable for baseline monitoring. DM-1c, located on the G/F of Caribbean Coast facing Man Tung Road, is the nearest accessible residential area with similar air quality condition upon the commencement of the planned commercial development given both DM-1a and DM-1c are influenced by similar air pollution sources in the region including aircraft and nearby roads, such as North Lantau Highway. DM-1b was already selected as the alternative baseline monitoring location of DM-1 to represent the baseline condition for Ying Tung Estate. Currently, DM-1b is affected by the construction activities of the TCNTE project. DM-1c is therefore considered a suitable location for baseline monitoring for DM-1a as it represents the baseline condition without significant influence of nearby construction activities. In case when impact monitoring could be performed at DM-1a without significant influence of other construction activities apart from the Project in the vicinity, the monitoring could make reference to baseline monitoring data at DM-1c.

Shops at Tung Chung Crescent (DM-3)

- 2.3.1.6 The construction dust monitoring station, DM-3, was proposed at shops at Tung Chung Crescent but not readily accessible at this stage. An alternative baseline dust monitoring location, DM-3a, which is located at area next to Tung Chung Station, with power supply and is immediately available for monitoring, is proposed. DM-3a is considered representative as it is an alternative location near DM-3 and it has similar air quality condition as DM-3, e.g. away from major roads and on the ground level.

Ma Wan Chung (DM-5)

- 2.3.1.7 Due to inaccessibility of the construction dust monitoring station at Ma Wan Chung (DM-5), the alternative baseline monitoring location, DM-5a, which is also located within Ma Wan Chung, is proposed. It is located within the works site and is closer to the works site than DM-5 by around 50m. It is considered representative as the two monitoring locations would have similar air quality condition for the baseline monitoring.

2.4 Monitoring Date, Time, Frequency, Duration and Parameter

- 2.4.1.1 **Table 2.4** below summarises the monitoring date, time, frequency, duration and parameters. The locations of baseline monitoring stations are provided in **Appendix C**.

Table 2.4 Monitoring date, time, frequency, duration and parameter

Monitoring Station ID	Location	Monitoring Date & Time ^[1]	Monitoring Frequency & Duration	Monitoring Parameter
DM-1b	G/F of Ying Yuet House	30/1/2023 – 12/2/2023	3 times a day for 2 weeks	1-hour TSP
DM-1c	G/F of Caribbean Coast	29/12/2022 – 12/1/2023		
DM-2	Sheraton Hong Kong Tung Chung Hotel Shopping Mall	29/12/2022 – 11/1/2023		
DM-3a	Area next to Tung Chung Station	15/2/2023 – 28/2/2023		
DM-4	Yat Tung Shopping Centre	30/1/2023 – 12/2/2023		
DM-5a	Ma Wan Chung Village	29/12/2022 – 11/1/2023		

Note:

[1] Detailed monitoring schedule is provided in **Appendix D**.

2.5 Results and Observations

2.5.1.1 The monitoring results of the baseline construction dust monitoring stations are summarised in **Table 2.5** and the detailed monitoring data is provided in **Appendix D**.

Table 2.5 Summary of baseline construction dust monitoring results

Monitoring Station ID	Location	Average 1-hour TSP Concentration ^[1] , $\mu\text{g}/\text{m}^3$
DM-1b	G/F of Ying Yuet House	119 (36 – 290)
DM-1c	G/F of Caribbean Coast	142 (45 – 276)
DM-2	Sheraton Hong Kong Tung Chung Hotel Shopping Mall	117 (50 – 245)
DM-3a	Area next to Tung Chung Station	118 (45 – 219)
DM-4	Yat Tung Shopping Centre	95 (38 – 173)
DM-5a	Ma Wan Chung Village	127 (56 – 275)

Note:

[1] Values in blanket are the range of the monitoring results.

2.5.1.2 The weather was generally fine during the baseline monitoring period. No major events were identified which may have influenced or affected the results of baseline monitoring.

2.6 Action and Limit Levels

2.6.1.1 The baseline monitoring results form the basis for determining the air quality criteria for the impact monitoring during the construction phase. **Table 2.6** shows the criteria for establishing the Action and Limit Levels for air quality monitoring according to the approved EM&A Manual.

Table 2.6 Criteria for establishing Action and Limit Levels

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

2.6.1.2 With reference to the criteria as shown in **Table 2.6**, the Action and Limit Levels of 1-hour TSP for the monitoring stations are therefore derived and summarised in **Table 2.7**.

Table 2.7 Action and Limit Levels of 1-hour TSP

Monitoring Station ID	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
DM-1b	327	500
DM-1c	342	500
DM-2	326	500
DM-3a	327	500
DM-4	312	500
DM-5a	333	500

3. Noise

3.1 Monitoring Requirement

3.1.1.1 According to the approved EM&A Manual of the Project, baseline monitoring shall be carried out at all identified monitoring stations (see **Section 3.3**) prior to the commencement of the construction works. There shall not be any construction activities in the vicinity of the stations during the baseline monitoring. Continuous baseline noise monitoring for the A-weighted levels L_{eq} , L_{10} and L_{90} shall be carried out daily for a period of at least two weeks in a sample period of 30 minutes between 0700 and 1900, and 5 minutes between 1900 and 0700 as well as all time at general holidays including Sundays.

3.2 Monitoring Methodology

Monitoring Equipment

3.2.1.1 Integrating Sound Level Meters, which are Type 1 sound level meters capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{eq}) and percentile sound pressure level (L_x), were used to conduct the noise monitoring. The meters also comply with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications. The details are summarised in **Table 3.1**. The copied of calibration certificates for the sound level meters and calibrator are provided in **Appendix E**.

Table 3.1 Monitoring equipment

Equipment	Model
Sound Level Meter	CEL-63X
Calibrator	CEL-120/1

Monitoring Procedure

3.2.1.2 The monitoring procedure for baseline airborne construction noise monitoring using sound level meters is detailed as below:

- For free field measurements at monitoring stations NM2a and NM4b, the sound level meter was set at least 1.2 m above the ground. A correction of +3 dB(A) has been made for the free field measurements;
- For façade measurements at monitoring station NM2b, the sound level meter was set at least 1.2 m above the ground and 1m from the exterior building façade;
- For façade measurements at monitoring stations NM1 and NM3a, the sound level meter was set at 1m away from the exterior building façade and lowered sufficiently so that the building's external wall acts as a reflecting surface;
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows
 - Frequency weighting: A
 - Time weighting: Fast

- Time measurement: 5 minutes ($L_{eq(30-min)}$ would be determined for daytime noise by calculating the logarithmic average of six $L_{eq(5min)}$ data)
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94 dB at 1 kHz. If the difference in the calibration level before and after measurement was more than 1 dB, the measurement would be considered invalid and repeated after the recalibration or repair of the equipment.
- During the monitoring period, the L_{eq} , L_{10} and L_{90} were recorded. In addition, any site observations and noise sources were recorded on a standard record sheet.
- Noise measurements were not made in presence of fog, rain, wind with a steady speed exceeding $5ms^{-1}$ or wind with gusts exceeding $10ms^{-1}$.

Maintenance and calibration (QA/QC)

3.2.1.3 The maintenance / calibration requirements are as follows:

- The sound level meter and calibrator are sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- Immediately prior to and following each noise measurement, the accuracy of the sound level meter should be checked using an acoustic calibrator generating known sound pressure level at known frequency. Measurement may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

3.3 Monitoring Location

3.3.1.1 As stipulated in Sections 5.5 of the approved EM&A Manual of the Project, a total of 5 nos. of airborne construction noise monitoring stations were proposed and the locations are summarised in **Table 3.2** below.

Table 3.2 Proposed airborne construction noise monitoring locations in the approved EM&A Manual

Monitoring Station ID	NAP	Location	Construction Activity	Monitoring Period ^[1]
Existing Noise Sensitive Receivers				
NM1	YTT-02f	Ying Tung Estate	TCE Station and TCL realignment	Throughout the construction period of corresponding activity
NM2	TCC-09a	Tung Chung Crescent	TBM launching/retrieval shaft	
NM3	YTE-01a	Yat Tung Estate	TCW Station	
Planned Noise Sensitive Receivers				
NM4	A113-01e	Tung Chung Area 113	TCE Station and TCL realignment	Upon the intake of the population and throughout the construction period of the corresponding activity
NM6	A100-02j	Tung Chung Area 100	TCE Station and TCL realignment	Upon the intake of the population and throughout the construction period of the corresponding activity

Note:

[1] The monitoring period is subject to the construction programme of the relevant contracts in the construction phase.

3.3.1.2 Alternative baseline monitoring location for some monitoring stations, including NM2, NM3, NM4 and NM6, are proposed and agreed with IEC and EPD. The locations of monitoring stations in the approved EM&A Manual and alternative baseline monitoring locations are summarised in **Table 3.3** below and provided in **Appendix F**.

Table 3.3 Baseline airborne noise monitoring locations proposed

Monitoring Station ID in the approved EM&A Manual	Alternative Baseline Monitoring Location Proposed (Yes/ No)	Alternative Baseline Monitoring Station ID	Location
NM1	No	N/A	Ying Tung Estate
NM2 ^[1]	Yes	NM2a	Tung Chung Crescent – street level facing the open space inside the Tung Chung Crescent
		NM2b	Tung Chung Crescent – street level near Tung Chung Station
NM3	Yes	NM3a	2/F rooftop of Yat Tung Shopping Centre
NM4	Yes	NM4b	Caribbean Coast Podium Garden
NM6	Yes		

Note:

[1] Alternative impact monitoring location at NM2, NM3, NM4 and NM6, if any, would be reviewed and proposed, subject to the actual conditions during the construction phase.

[1] One additional alternative baseline monitoring station was proposed for NM2 as per EPD’s request to have a more understanding on the respective noise environment in Tung Chung Crescent.

3.3.1.3 The justifications of the proposed alternative monitoring locations are detailed below:

Tung Chung Crescent (NM2)

3.3.1.4 The airborne construction noise monitoring station, NM2, was proposed at Tung Chung Crescent Block 9 but not readily accessible at this stage. An alternative baseline noise monitoring location, NM2a, which is located on the street level facing the open space inside the Tung Chung Crescent and is immediately available for monitoring, is proposed. NM2a is considered representative as it is close to the future works site. In addition, as the impact monitoring location at Tung Chung Crescent is not yet confirmed and may be located near other residential blocks, another alternative baseline monitoring location, as requested by EPD, NM2b, is also proposed on the other side of the open space in order to have more understanding on the respective noise environment in Tung Chung Crescent. NM2b is also immediately available for monitoring.

Yat Tung Estate (NM3)

3.3.1.5 NM3 was proposed at Yat Tung Estate. After close liaison with the property management of Yat Tung Estate, it is recommended that alternative monitoring location should be proposed due to safety considerations for monitoring at public accessible areas. Alternative location (NM3a) for baseline monitoring is proposed at the 2/F rooftop of Yat Tung Shopping Centre as it is located nearest to the residential uses at Yat Tung Estate and it is not publicly accessible.

Tung Chung Area 113 (NM4) and Tung Chung Area 100 (NM6)

3.3.1.6 As both Tung Chung Area 113 (NM4) and Tung Ching Area 100 (NM6) are currently a construction site, alternative location for baseline monitoring at the podium garden at Caribbean Coast (NM4b), is proposed as it is the nearest accessible residential use from the proposed works site of TCE station apart from Ying Tung Estate. The measurement will be facing Ying Hei Road instead of directly towards other construction sites nearby, including those under Tung Chung New Town Extension. Once the construction works are completed and the population has occupied at NM4 and NM6, NM4b has a similar noise environment with NM4 and NM6 as they are mostly affected by the nearby road traffic noise and the aircraft noise. Hence, NM4b is considered as a representative location for baseline monitoring.

3.4 Monitoring Date, Time, Frequency, Duration and Parameter

3.4.1.1 **Table 3.4** and **Table 3.5** below summarises the monitoring date, time, frequency, duration and parameters.

Table 3.4 Monitoring date

Monitoring Station ID	Location	Date of Monitoring
NM1	Ying Tung Estate	30/11/2022 – 15/12/2022 ^[1]
NM2a	Tung Chung Crescent – street level facing the open space inside the Tung Chung Crescent	15/2/2023 – 28/2/2023
NM2b	Tung Chung Crescent – street level near Tung Chung Station	17/2/2023 – 2/3/2023
NM3a	2/F rooftop of Yat Tung Shopping Centre	30/11/2022 – 15/12/2022 ^[1]
NM4b	Caribbean Coast Podium Garden	30/11/2022 – 15/12/2022 ^[1]

Note:

[1] The monitoring duration for NM1, NM3a and NM4b was extended as a few minor rain events were recorded during 13 to 15 December 2022. The corresponding data has been excluded from the results.

Table 3.5 Monitoring time, frequency, duration and parameter

Monitoring Station ID	Time Period^[1]	Interval	Monitoring Frequency	Monitoring Parameter
NM1, NM2a, NM2b, NM3a, NM4b	Daytime on normal weekdays (0700-1900 hrs)	30 mins	14 consecutive days	L _{eq} , L ₁₀ and L ₉₀
	Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)	5 mins		
	All days during the night-time (2300-0700 hrs)			

Note:

[1] Detailed monitoring schedule is provided in **Appendix G**.

3.5 Results and Observations

3.5.1.1 The monitoring results of the baseline airborne construction noise monitoring stations are summarised in **Table 3.6** to **Table 3.8** and the detailed monitoring data is provided in **Appendix G**.

Table 3.6 Summary of baseline airborne construction noise monitoring results during daytime on normal weekdays (0700-1900 hrs)

Monitoring Station ID	Noise Level, L_{eq} (30min), dB (A)		
	Average	Minimum	Maximum
NM1	64	59	68
NM2a ^[1]	68	67	69
NM2b	56	51	59
NM3a	54	52	56
NM4b ^[1]	66	64	67

Note:

[1] A correction of +3dB(A) were made to the free field measurements in NM2a and NM4b.

Table 3.7 Summary of baseline airborne construction noise monitoring results during evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Monitoring Station ID	Noise Level, L_{eq} (5min), dB (A)		
	Average	Minimum	Maximum
NM1	55	53	60
NM2a ^[1]	67	65	71
NM2b	55	50	60
NM3a	53	48	56
NM4b ^[1]	63	60	67

Note:

[1] A correction of +3dB(A) were made to the free field measurements in NM2a and NM4b.

Table 3.8 Summary of baseline airborne construction noise monitoring results during the night-time (2300-0700 hrs) in all days

Monitoring Station ID	Noise Level, L_{eq} (5min), dB (A)		
	Average	Minimum	Maximum
NM1	51	48	56
NM2a ^[1]	62	58	67
NM2b	45	41	51
NM3a	45	42	52
NM4b ^[1]	58	54	63

Note:

[1] A correction of +3dB(A) were made to the free field measurements in NM2a and NM4b.

3.5.1.2 The weather was generally fine during the baseline monitoring period, except a few minor rain events were recorded during 13 to 15 December 2022. The corresponding data has been excluded from the results. No other major events were identified which may have influenced or affected the results of baseline monitoring.

3.6 Action and Limit Levels

3.6.1.1 The Action and Limit Levels of airborne construction noise were determined in the approved EM&A Manual of the Project and are shown in **Table 3.9**.

Table 3.9 Action and Limit Levels of airborne construction noise

Time Period	Action Level	Limit Level
0700 - 1900 hours on normal weekdays	When one documented complaint is received	75 dB(A) *

Notes:

If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

*Reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.

3.6.1.2 For NM2, there are two alternative baseline monitoring stations, i.e. NM2a, Tung Chung Crescent – street level facing the open space inside the Tung Chung Crescent; and NM2b, Tung Chung Crescent – street level near Tung Chung Station. As the two alternative baseline monitoring stations have different noise climates, different blocks at Tung Chung Crescent shall refer to their respective baseline noise levels. The noise levels at NM2a were higher as the noise climate was dominated by Shun Tung Road without substantial screening structure, while that of NM2b were lower as the noise climate was dominated by community noise and less affected by road traffic noise due to screening by the Tung Chung station and surrounding building structures. In consideration of the locations of building blocks of Tung Chung Crescent, it is proposed that the baseline noise levels at NM2a should be applied to Blocks 1 and 9 of Tung Chung Crescent as they are both dominated by road traffic noise from Shun Tung Road, while the baseline noise levels at NM2b should be applied to Blocks 2-3 and 5-8 of Tung Chung Crescent due to the similarity of community noise and minimal impact by road traffic noise from Shun Tung Road.

4. Conclusion

- 4.1.1.1 In accordance with the approved EM&A Manual, baseline monitoring, including air quality and noise monitoring, was carried out prior to commencement of the construction works of the Project.
- 4.1.1.2 Baseline air quality monitoring was conducted at 6 monitoring stations (DM-1b, DM-1c, DM-2, DM-3a, DM-4 and DM-5a) between 29 December 2022 and 28 February 2023. Overall the baseline air quality monitoring results are considered representative to the ambient air quality conditions in the vicinity of the Project. The Action and Limit Levels for air quality (1-hour TSP levels) were established based on the baseline monitoring results.
- 4.1.1.3 Baseline noise monitoring was conducted at 5 monitoring stations (NM1, NM2a, NM2b, NM3a and NM4b) between 30 November 2022 and 2 March 2023. Overall the baseline noise monitoring results are considered representative to the ambient background noise in the vicinity of the Project.

Appendix A

Calibration Certification for the Air Quality Monitoring Equipment

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : G/F of Ying Yuet House (Ying Tung Estate) Date of Calibration: 30-Jan-23
 Location ID: DM1b Next Calibration Date: 29-Apr-23
 Technician: Tim Ip

CONDITIONS

Sea Level Pressure (hPa): 1022.20 Corrected Pressure (mm Hg): 767
 Temperature (°C): 15 Temperature (K): 288

CALIBRATION ORIFICE

Make: Tisch	Qstd Slope: 2.11005
Model: TE-5025A	Qstd Intercept: -0.01868
Calibration Date: 24-04-22	Expiry Date: 24-04-23

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m ³ /min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
							Slope =	Intercept =
18	7.20	-6.40	13.600	1.794	56.00	57.20	Slope = 28.8443 Intercept = 4.5253 Corr. coeff.: 0.9961	
13	5.60	-5.60	11.200	1.629	50.00	51.07		
10	4.20	-3.80	8.000	1.378	42.00	42.90		
7	2.60	-2.40	5.000	1.091	36.00	36.77		
5	1.80	-1.60	3.400	0.901	30.00	30.64		

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

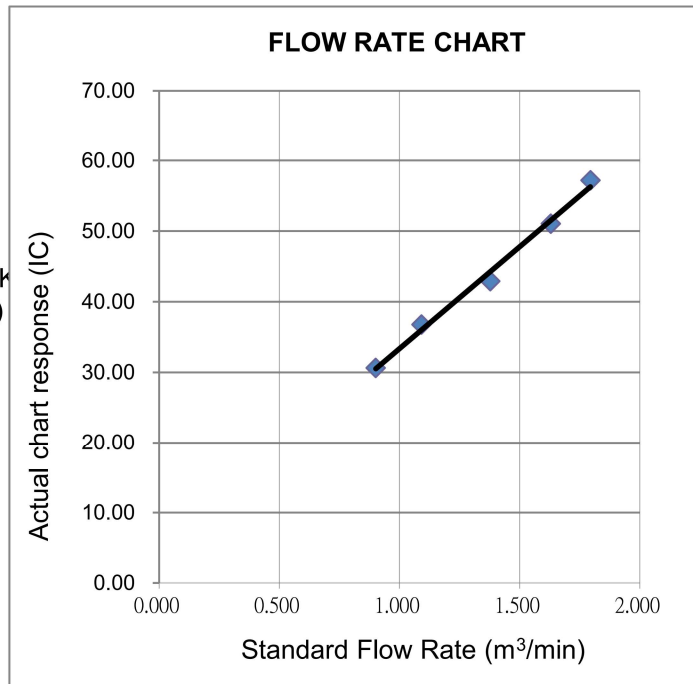
$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart response
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pa = actual pressure during calibration (mm Hg)
 Tstd = 298 deg K
 Pstd = 760 mm Hg

For subsequent calculation of sampler flow:

$$1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



Calibrated by: Tim Ip
 (Technical Officer)

Date: 30-01-2023

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : G/F of Caribbean Coast	Date of Calibration: 28-Dec-22
Location ID: DM1c	Next Calibration Date: 27-Mar-23
	Technician: Tim Ip

CONDITIONS

Sea Level Pressure (hPa):	1022.60	Corrected Pressure (mm Hg):	767
Temperature (°C):	18	Temperature (K):	291

CALIBRATION ORIFICE

Make: Tisch	Qstd Slope: 2.11005
Model: TE-5025A	Qstd Intercept: -0.01868
Calibration Date: 24-04-22	Expiry Date: 24-04-23

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m ³ /min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
							Slope =	Intercept =
18	7.10	-6.30	13.400	1.773	55.00	55.93	Slope = 28.7062 Intercept = 4.5288 Corr. coeff.: 0.9957	
13	5.40	-5.50	10.900	1.600	50.00	50.84		
10	4.40	-3.80	8.200	1.389	42.00	42.71		
7	2.70	-2.40	5.100	1.097	36.00	36.61		
5	1.90	-1.50	3.400	0.897	30.00	30.51		

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

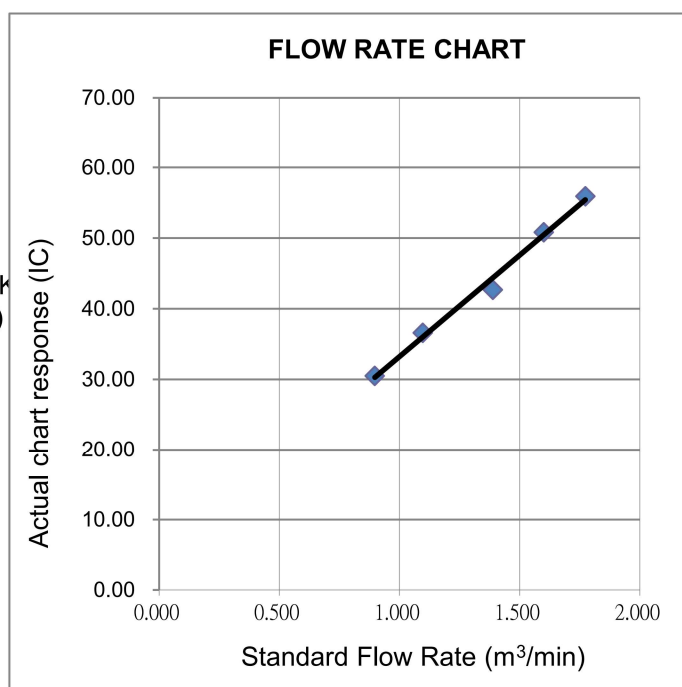
$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart response
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pa = actual pressure during calibration (mm Hg)
 Tstd = 298 deg K
 Pstd = 760 mm Hg

For subsequent calculation of sampler flow:

$$1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



Calibrated by: Tim Ip
(Technical Officer)

Date: 28-12-2022

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Sheraton Hong Kong Tung Chung Hotel	Date of Calibration: 28-Dec-22
Location ID: DM2	Next Calibration Date: 27-Mar-23
	Technician: Tim Ip

CONDITIONS

Sea Level Pressure (hPa):	1022.60	Corrected Pressure (mm Hg):	767
Temperature (°C):	18	Temperature (K):	291

CALIBRATION ORIFICE

Make: Tisch	Qstd Slope: 2.11005
Model: TE-5025A	Qstd Intercept: -0.01868
Calibration Date: 24-04-22	Expiry Date: 24-04-23

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m ³ /min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
							Slope =	Intercept =
18	7.10	-6.30	13.400	1.773	59.00	60.00	Slope = 31.2846 Intercept = 4.0352 Corr. coeff.: 0.9939	
13	5.90	-4.90	10.800	1.593	54.00	54.91		
10	5.10	-3.60	8.700	1.430	46.00	46.78		
7	3.20	-2.10	5.300	1.118	38.00	38.64		
5	2.00	-1.30	3.300	0.884	32.00	32.54		

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

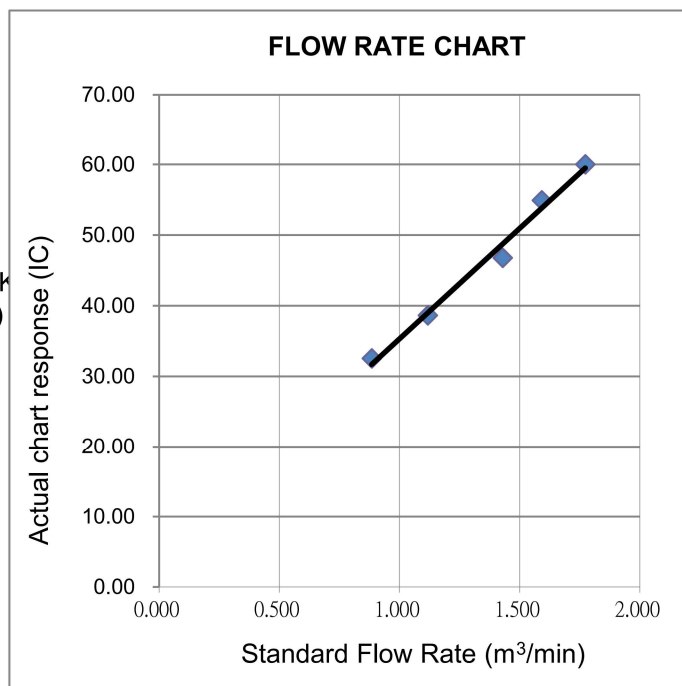
$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart response
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pa = actual pressure during calibration (mm Hg)
 Tstd = 298 deg K
 Pstd = 760 mm Hg

For subsequent calculation of sampler flow:

$$1/m((I)[\text{Sqrt}(298/Tav)(Pav/760)]-b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



Calibrated by: Tim Ip
(Technical Officer)

Date: 28-12-2022

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Area next to Tung Chung Station	Date of Calibration: 14-Feb-23
Location ID: DM3a	Next Calibration Date: 13-May-23
	Technician: Tim Ip

CONDITIONS

Sea Level Pressure (hPa):	1018.80	Corrected Pressure (mm Hg):	764
Temperature (°C):	19	Temperature (K):	292

CALIBRATION ORIFICE

Make: Tisch	Qstd Slope: 2.11005
Model: TE-5025A	Qstd Intercept: -0.01868
Calibration Date: 24-04-22	Expiry Date: 24-04-23

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m ³ /min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
							Slope =	Intercept =
18	7.30	-6.40	13.700	1.787	55.00	55.75	Slope = 27.5690 Intercept = 5.7834 Corr. coeff.: 0.9932	
13	5.40	-5.40	10.800	1.587	49.00	49.67		
10	4.30	-3.70	8.000	1.368	41.00	41.56		
7	2.50	-2.40	4.900	1.072	36.00	36.49		
5	1.80	-1.60	3.400	0.895	30.00	30.41		

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

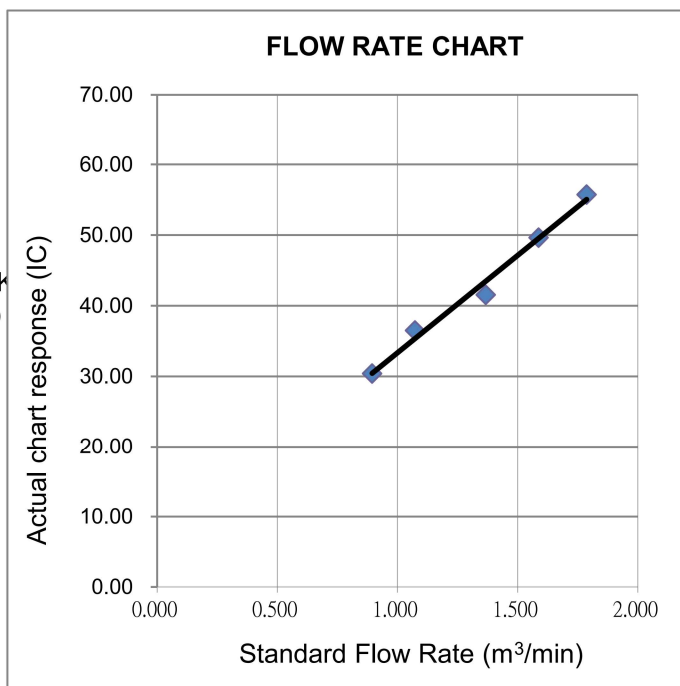
$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart response
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pa = actual pressure during calibration (mm Hg)
 Tstd = 298 deg K
 Pstd = 760 mm Hg

For subsequent calculation of sampler flow:

$$1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



Calibrated by: Tim Ip
(Technical Officer)

Date: 14-02-2023

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Yat Tung Shopping Mall	Date of Calibration: 30-Jan-23
Location ID: DM4	Next Calibration Date: 29-Apr-23
	Technician: Tim Ip

CONDITIONS

Sea Level Pressure (hPa):	1022.20	Corrected Pressure (mm Hg):	767
Temperature (°C):	15	Temperature (K):	288

CALIBRATION ORIFICE

Make: Tisch	Qstd Slope: 2.11005
Model: TE-5025A	Qstd Intercept: -0.01868
Calibration Date: 24-04-22	Expiry Date: 24-04-23

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m ³ /min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
							Slope =	Intercept =
18	7.20	-6.40	13.600	1.794	60.00	61.29	Slope = 31.1799 Intercept = 4.0997 Corr. coeff.: 0.9918	
13	5.80	-5.50	11.300	1.636	54.00	55.16		
10	4.40	-3.60	8.000	1.378	44.00	44.94		
7	2.70	-2.40	5.100	1.102	37.00	37.79		
5	1.80	-1.60	3.400	0.901	33.00	33.71		

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

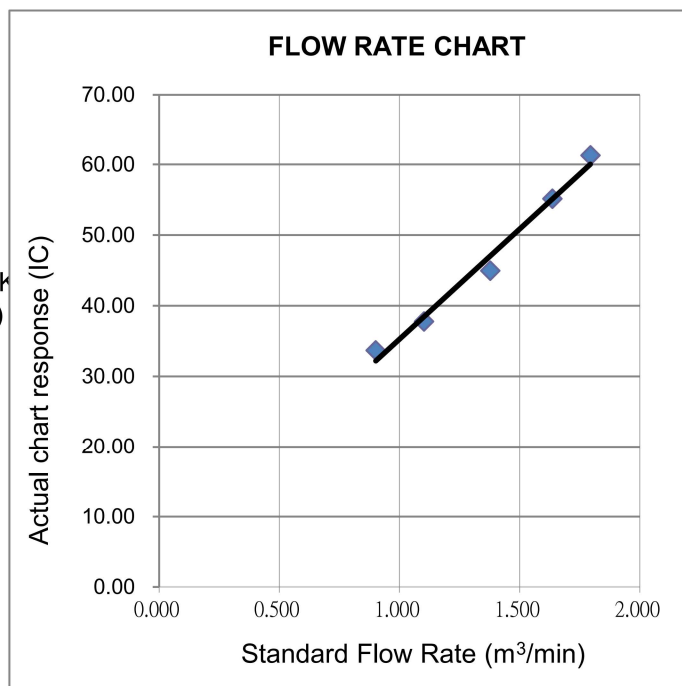
$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart response
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pa = actual pressure during calibration (mm Hg)
 Tstd = 298 deg K
 Pstd = 760 mm Hg

For subsequent calculation of sampler flow:

$$1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



Calibrated by: Tim Ip
(Technical Officer)

Date: 30-01-2023

TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Ma Wan Chung Village	Date of Calibration: 28-Dec-22
Location ID: DM5a	Next Calibration Date: 27-Mar-23
	Technician: Tim Ip

CONDITIONS

Sea Level Pressure (hPa):	1022.60	Corrected Pressure (mm Hg):	767
Temperature (°C):	18	Temperature (K):	291

CALIBRATION ORIFICE

Make: Tisch	Qstd Slope: 2.11005
Model: TE-5025A	Qstd Intercept: -0.01868
Calibration Date: 24-04-22	Expiry Date: 24-04-23

CALIBRATIONS

Plate No.	H2O (L) (in)	H2O (R) (in)	H2O (in)	Qstd (m ³ /min)	I (chart)	IC (corrected)	LINEAR REGRESSION	
							Slope =	Intercept =
18	7.20	-6.60	13.800	1.799	55.00	55.93	Slope = 28.9373 Intercept = 3.7898 Corr. coeff.: 0.9949	
13	5.50	-5.20	10.700	1.585	49.00	49.83		
10	4.30	-3.80	8.100	1.380	42.00	42.71		
7	2.60	-2.30	4.900	1.076	36.00	36.61		
5	1.80	-1.50	3.300	0.884	28.00	28.47		

Calculations:

$$Qstd = 1/m[\text{Sqrt}(H2O(Pa/Pstd)(Tstd/Ta))-b]$$

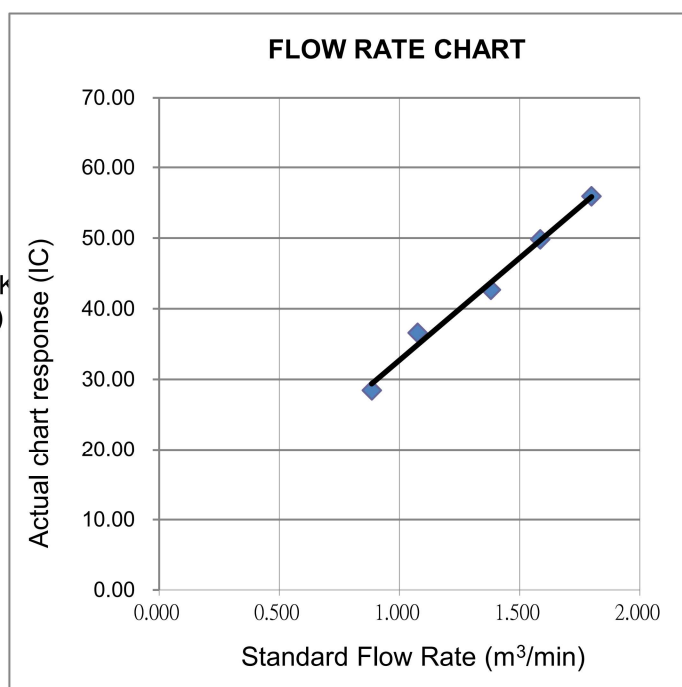
$$IC = I[\text{Sqrt}(Pa/Pstd)(Tstd/Ta)]$$

Qstd = standard flow rate
 IC = corrected chart response
 I = actual chart response
 m = calibrator Qstd slope
 b = calibrator Qstd intercept
 Ta = actual temperature during calibration (deg K)
 Pa = actual pressure during calibration (mm Hg)
 Tstd = 298 deg K
 Pstd = 760 mm Hg

For subsequent calculation of sampler flow:

$$1/m((I) [\text{Sqrt}(298/Tav)(Pav/760)] - b)$$

m = sampler slope
 b = sampler intercept
 I = chart response
 Tav = daily average temperature
 Pav = daily average pressure



Calibrated by: Tim Ip
(Technical Officer)

Date: 28-12-2022

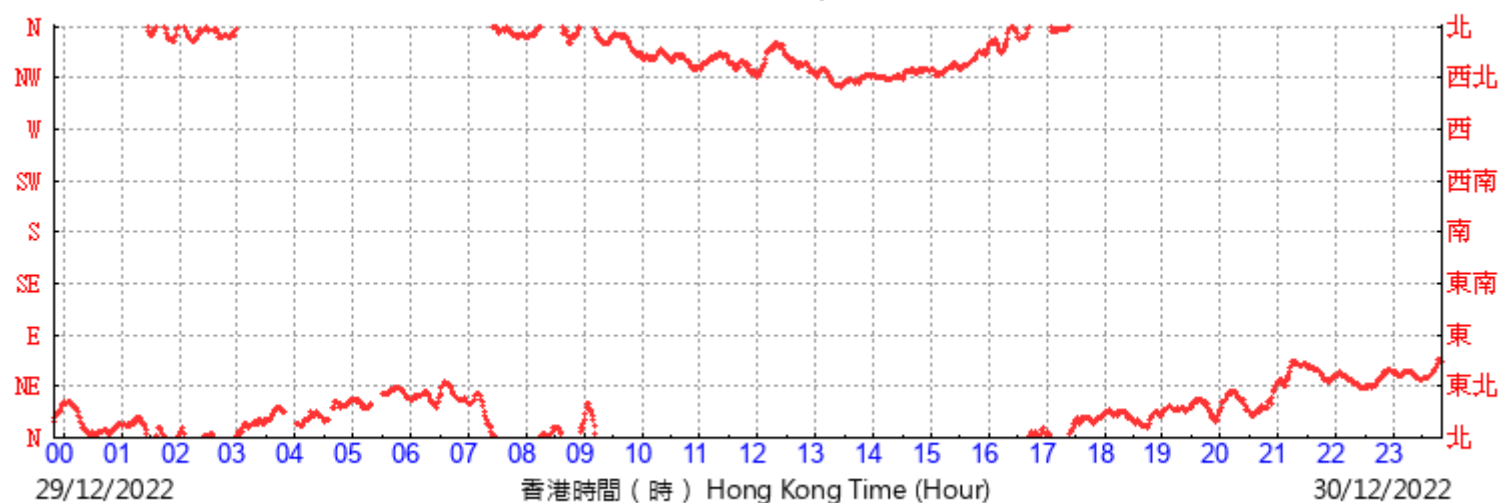
Appendix B

Wind Data at Chek Lap Kok Wind Station by Hong Kong Observatory

Wind Data at Chek Lap Kok Wind Station by Hong Kong Observatory

29 Dec 2022

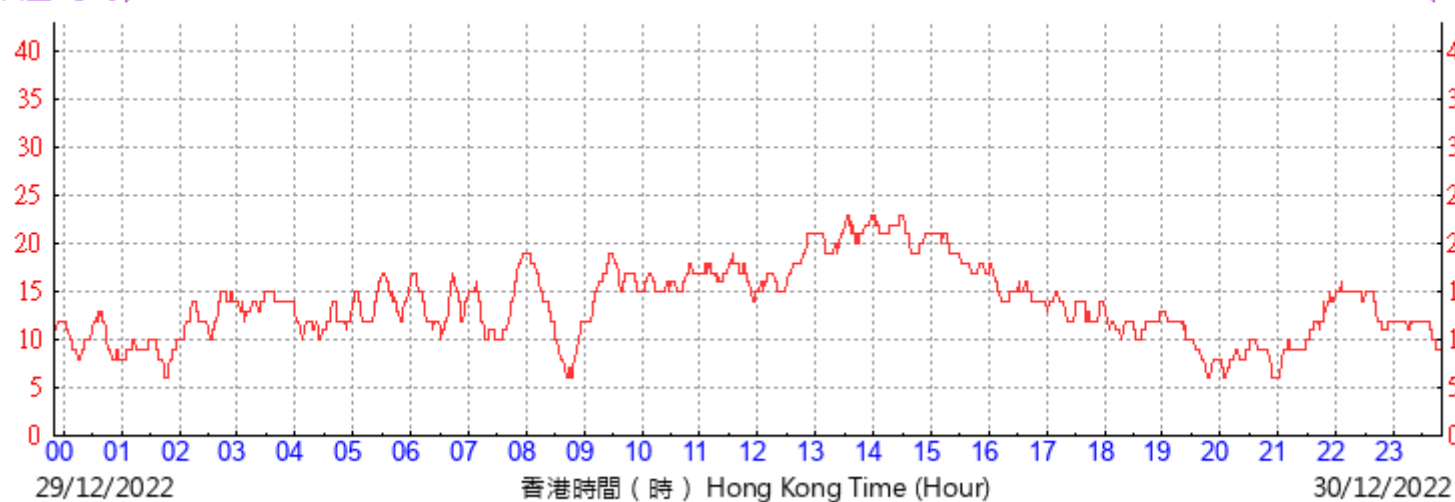
(於香港時間30/12/2022 23 時 50 分更新) (Updated at 23:50H on 30/12/2022)



R2C

©香港天文台 Hong Kong Observatory

(公里/小時) (於香港時間30/12/2022 23 時 50 分更新) (Updated at 23:50H on 30/12/2022) (km/h)

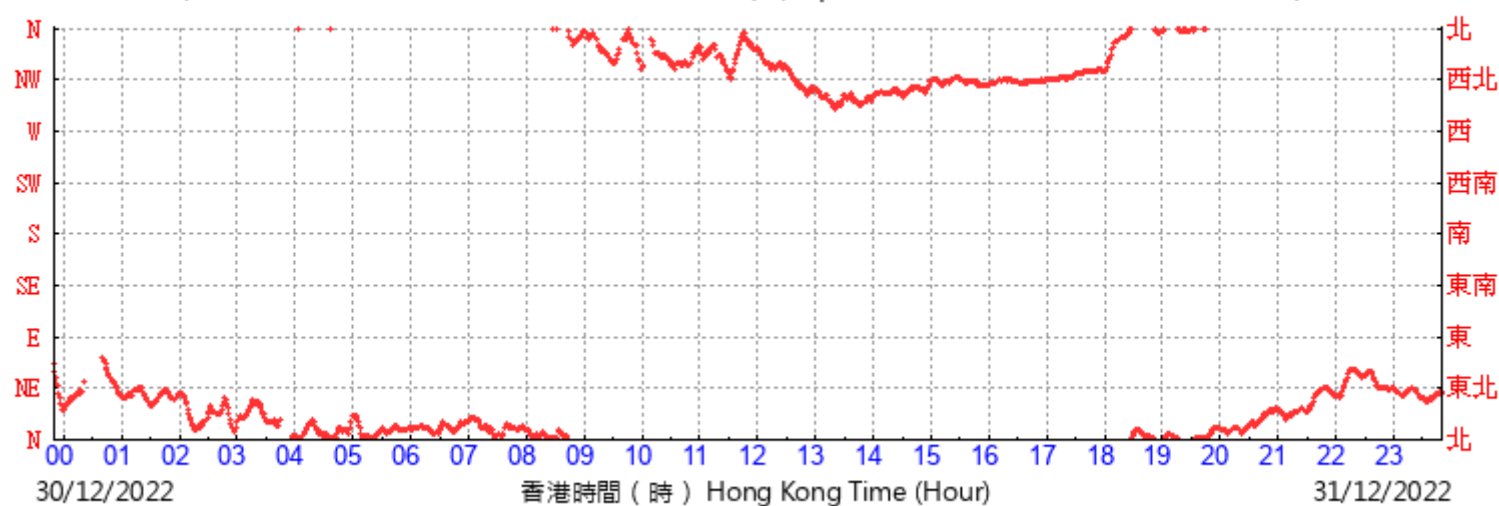


R2C

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30 Dec 2022

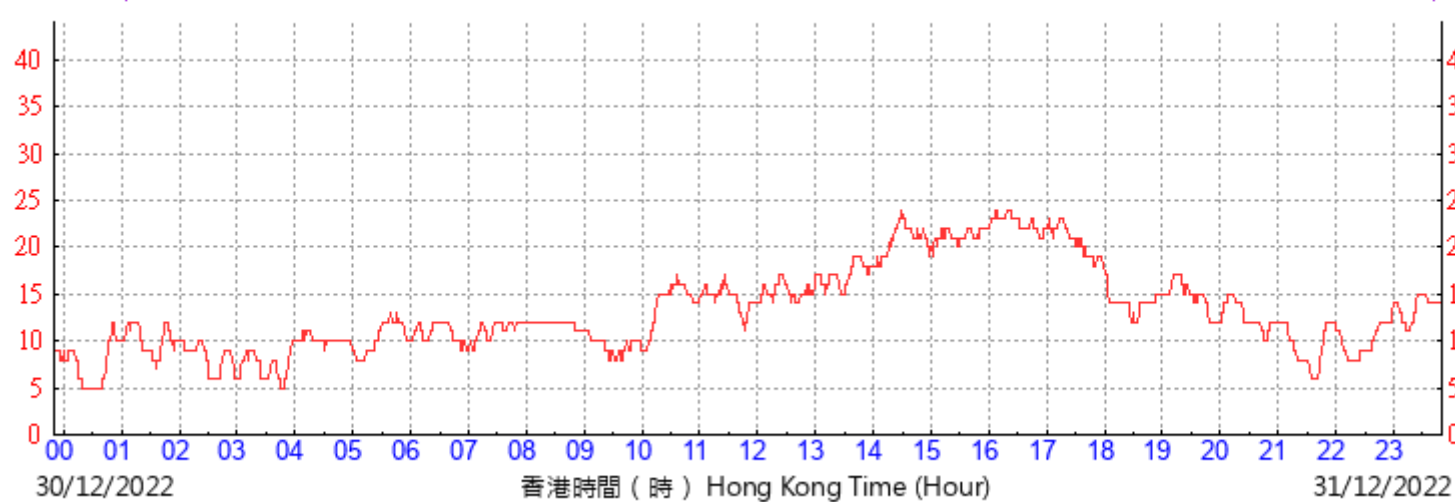
(於香港時間31/12/2022 23 時 50 分更新) (Updated at 23:50H on 31/12/2022)



R2C

©香港天文台 Hong Kong Observatory

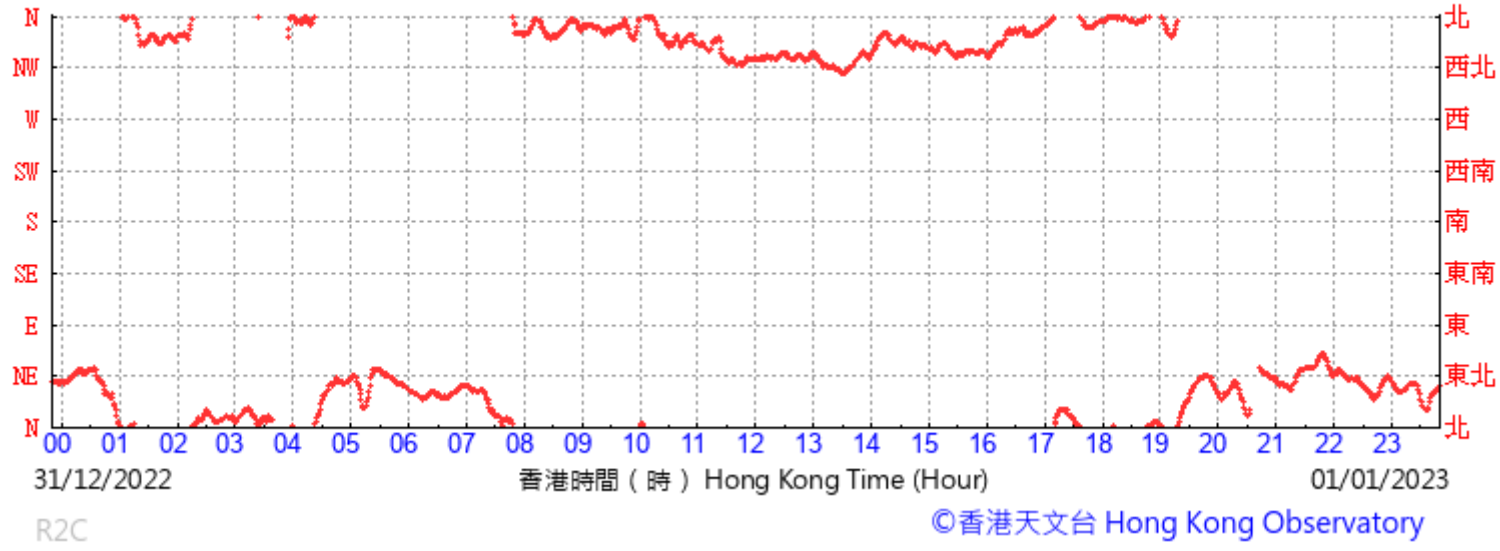
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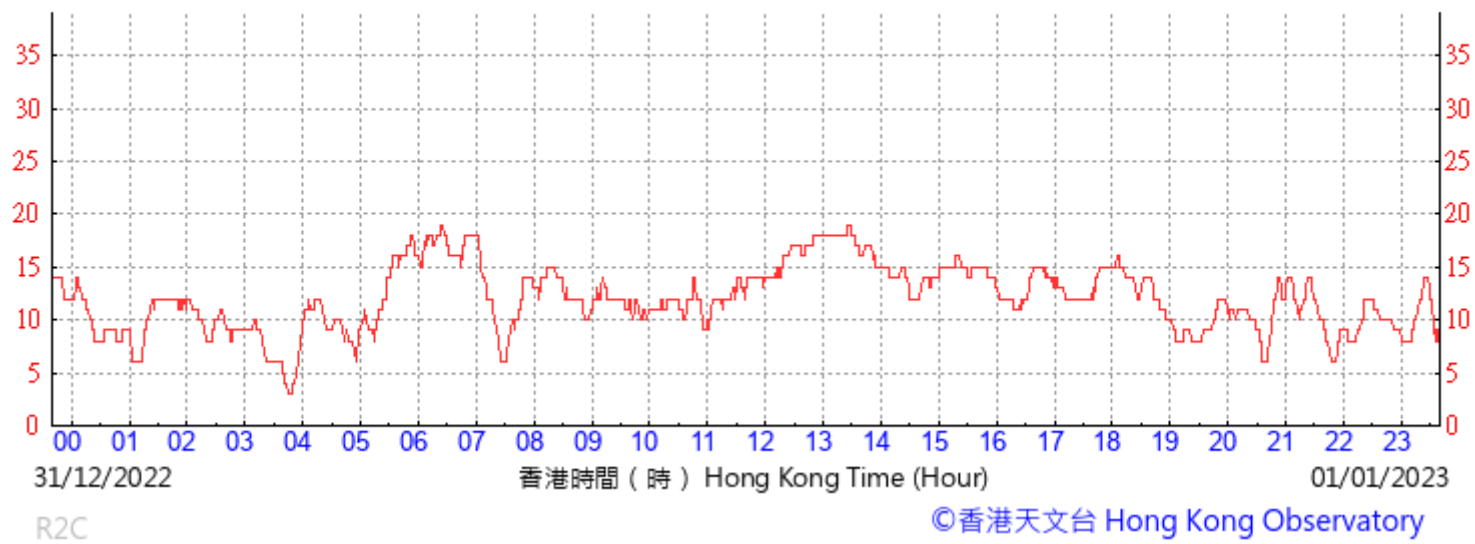
R2C

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(於香港時間01/01/2023 23 時 50 分更新) (Updated at 23:50H on 01/01/2023)

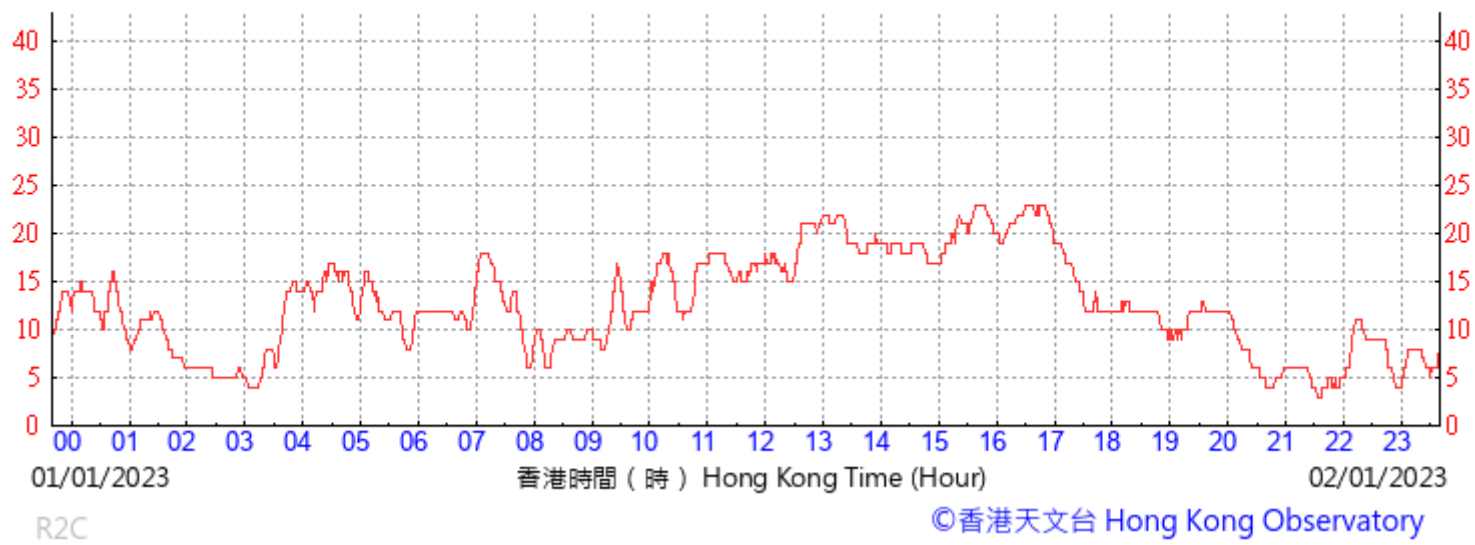


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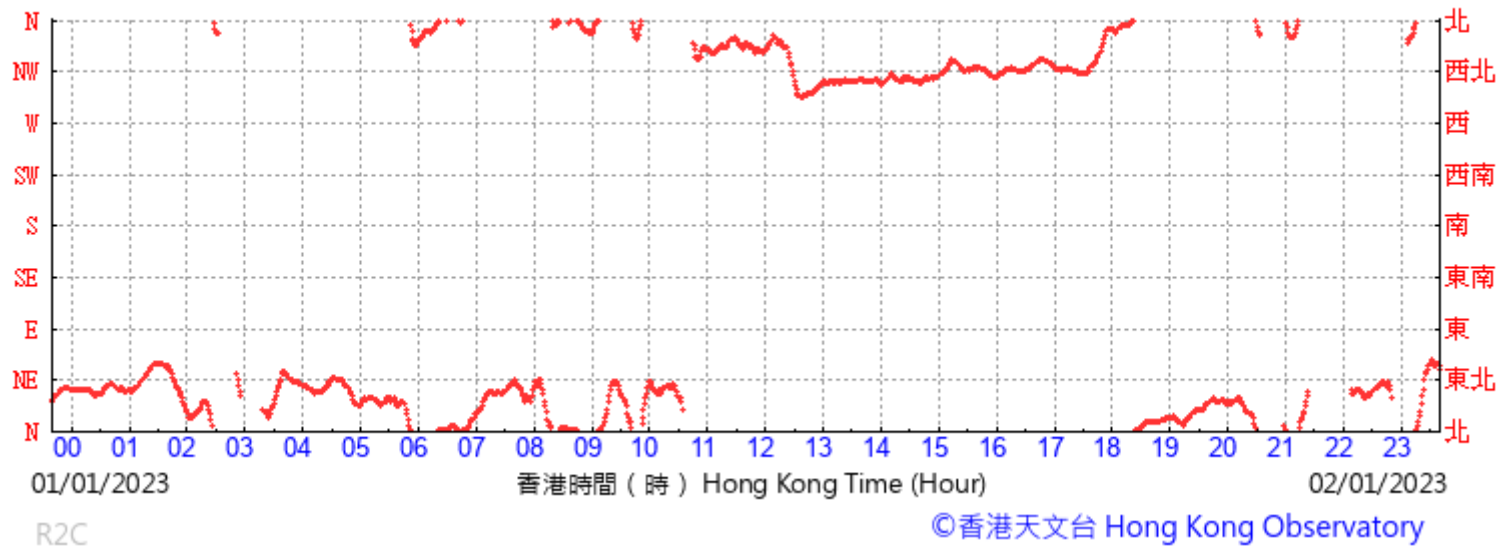


1 Jan 2023

(公里/小時) (於香港時間02/01/2023 23 時 40 分更新) (Updated at 23:40H on 02/01/2023) (km/h)

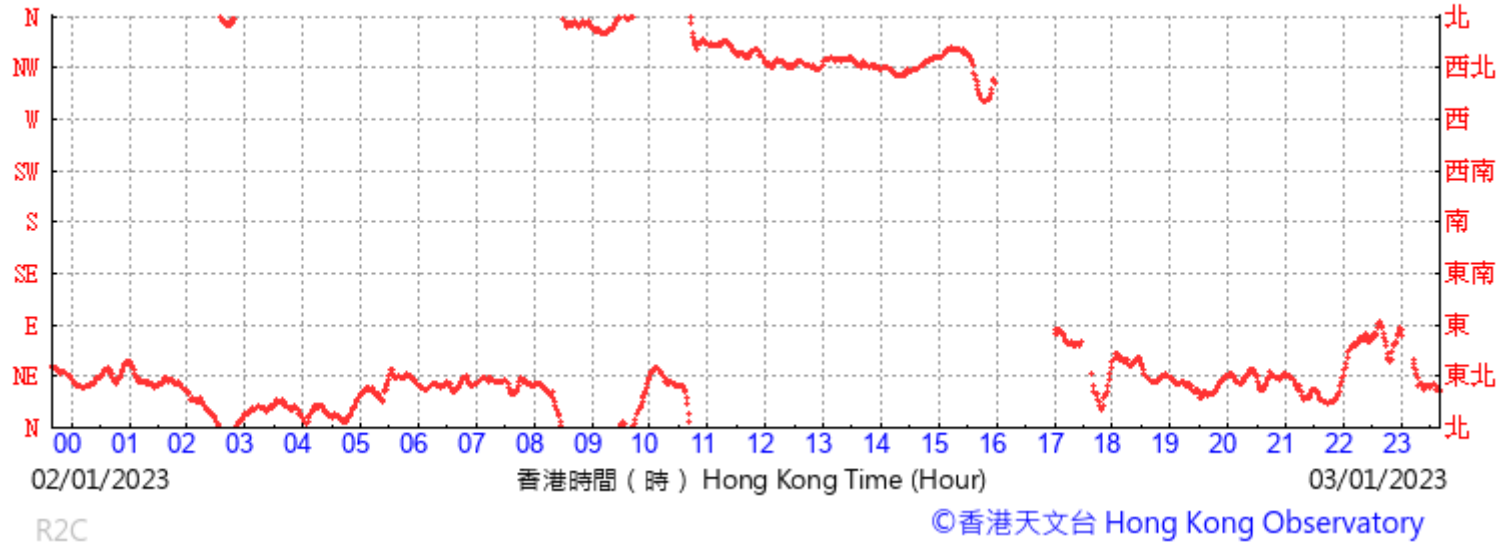


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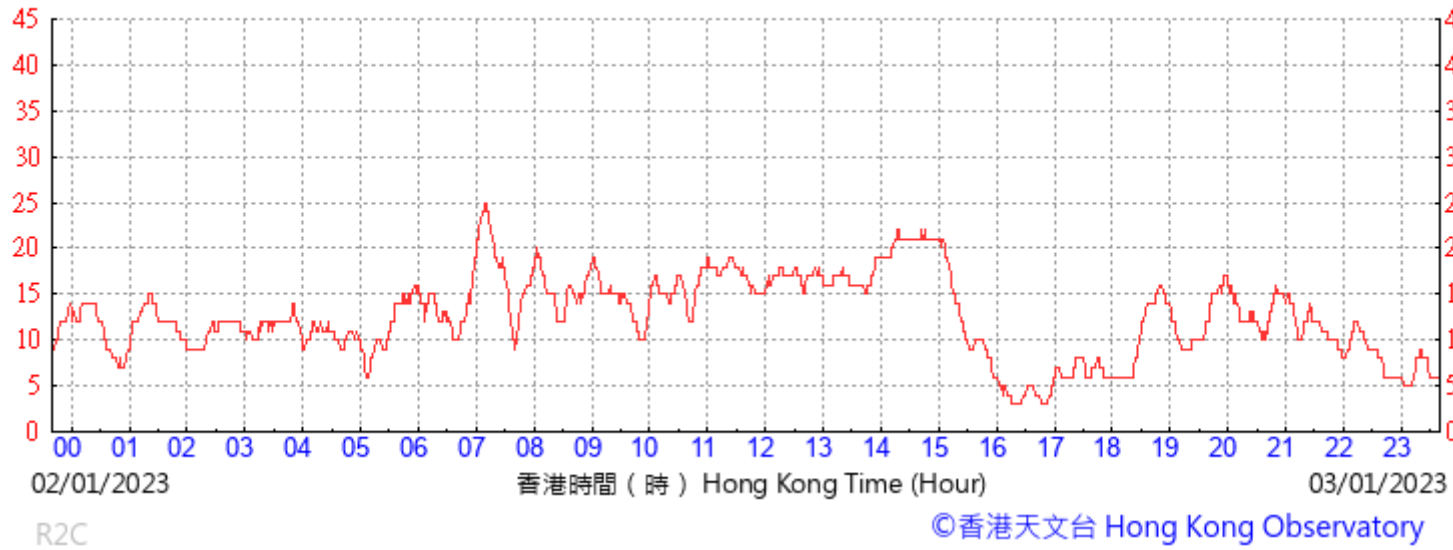


2 Jan 2023

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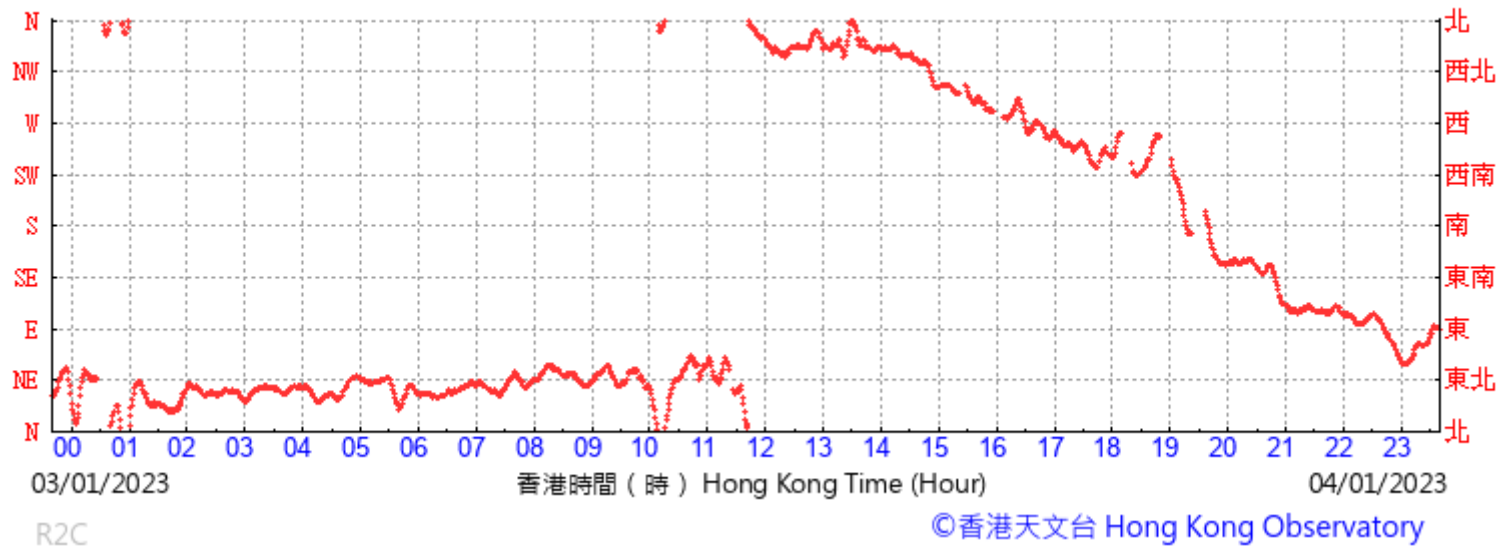


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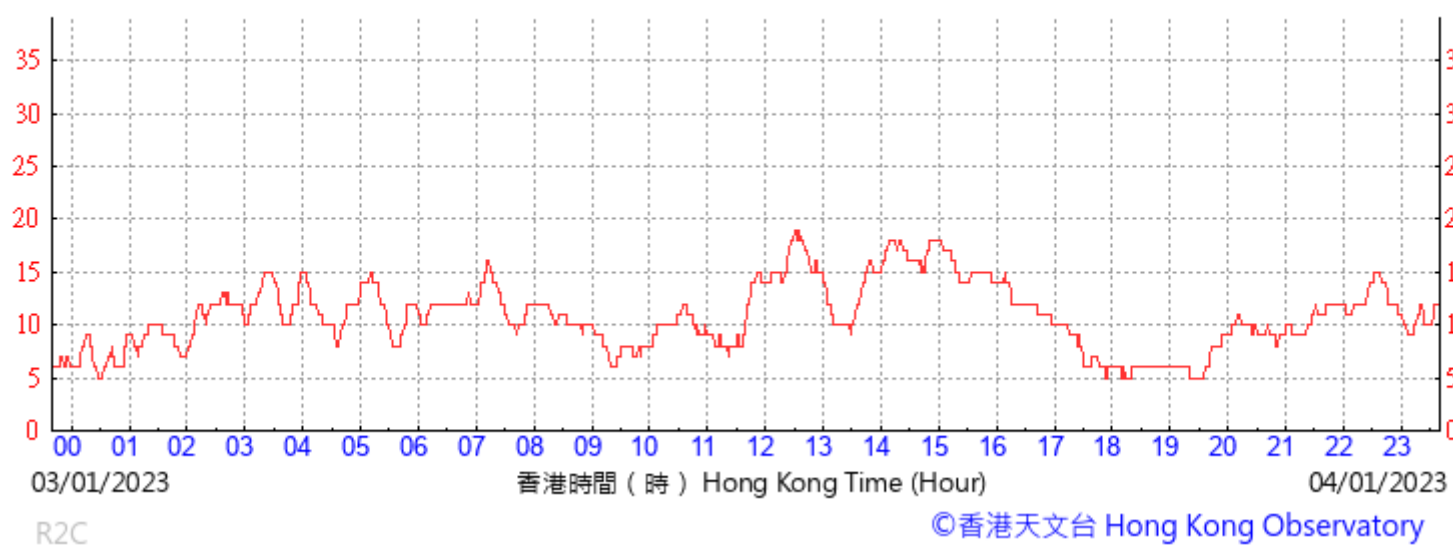


3 Jan 2023

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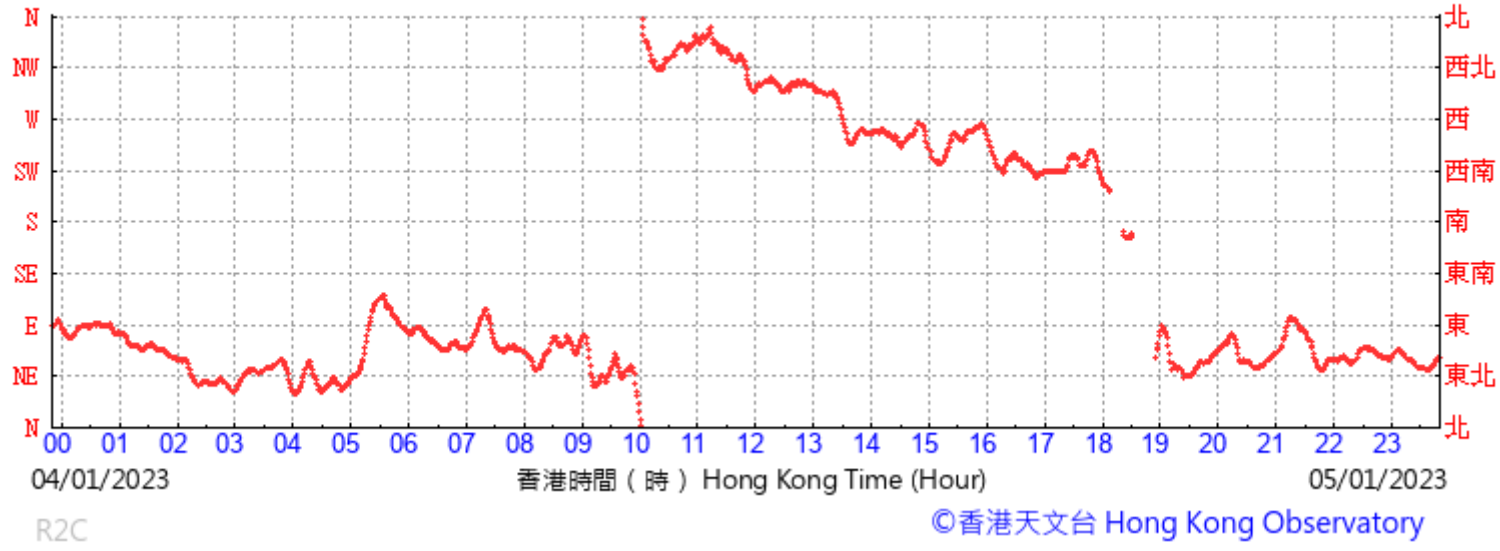


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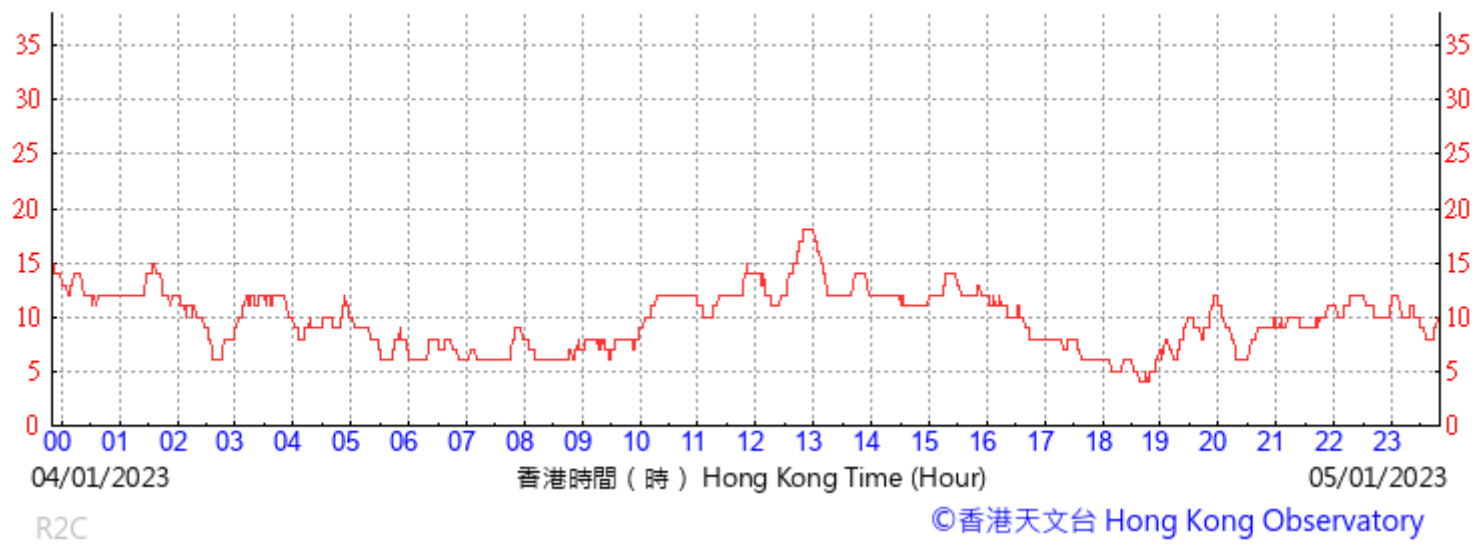


4 Jan 2023

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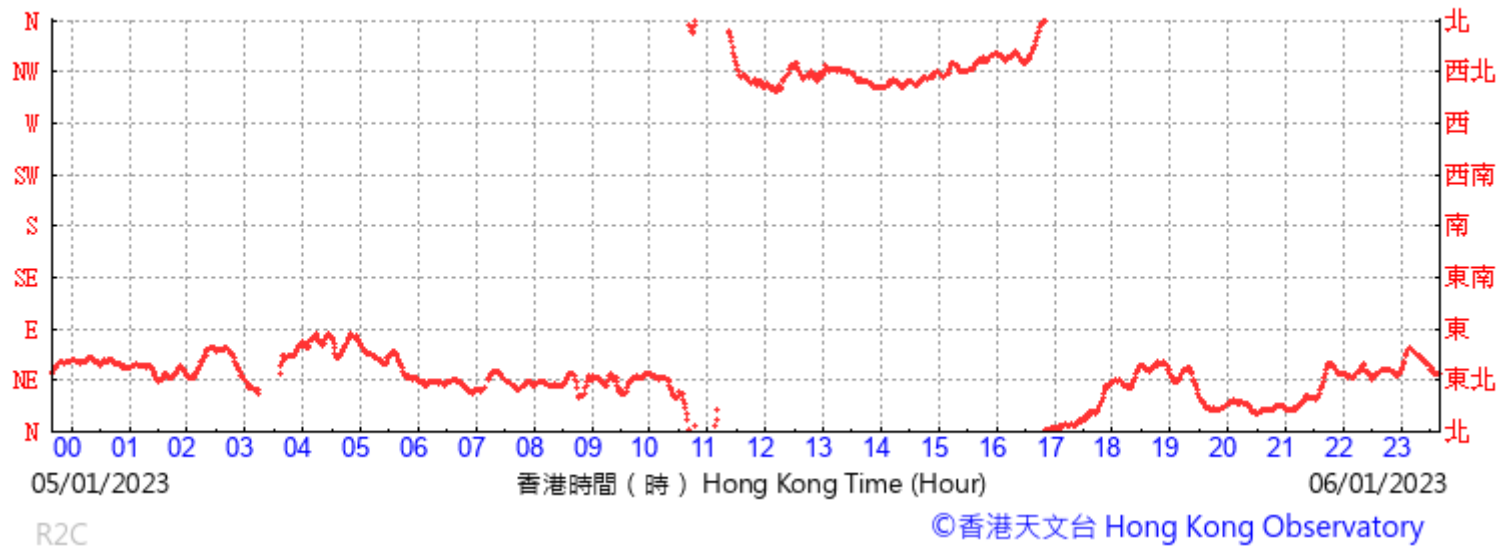


(公里/小時) (於香港時間05/01/2023 23 時 50 分更新) (Updated at 23:50H on 05/01/2023) (km/h)

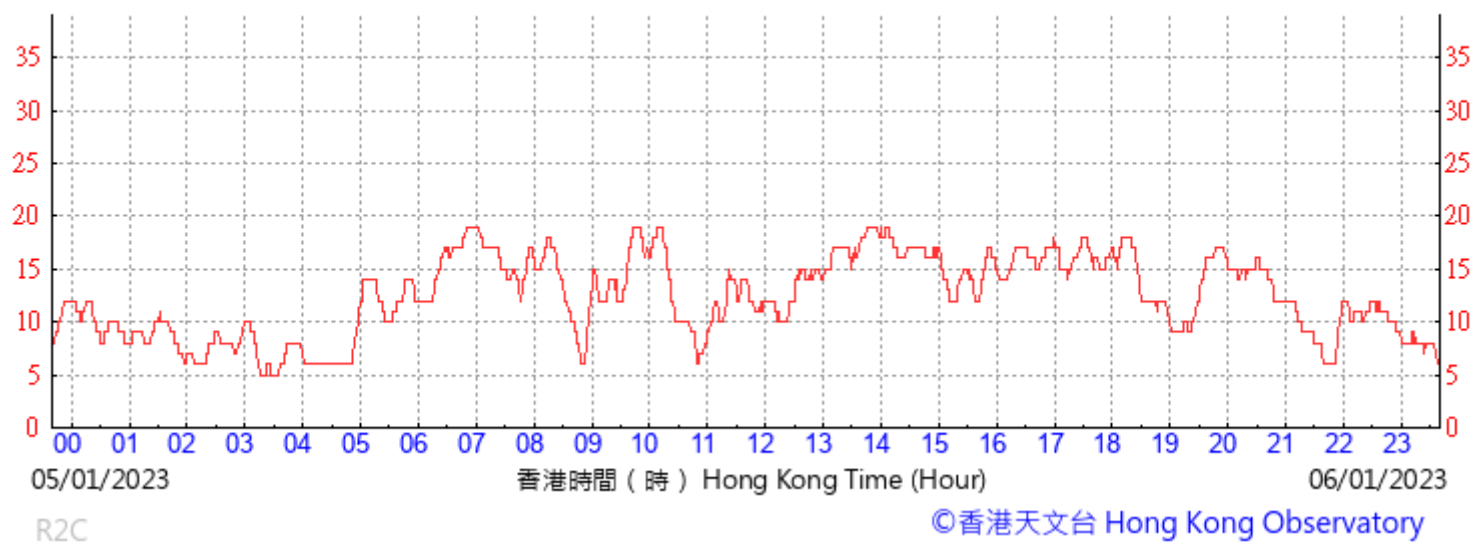


5 Jan 2023

(於香港時間06/01/2023 23 時 40 分更新) (Updated at 23:40H on 06/01/2023)

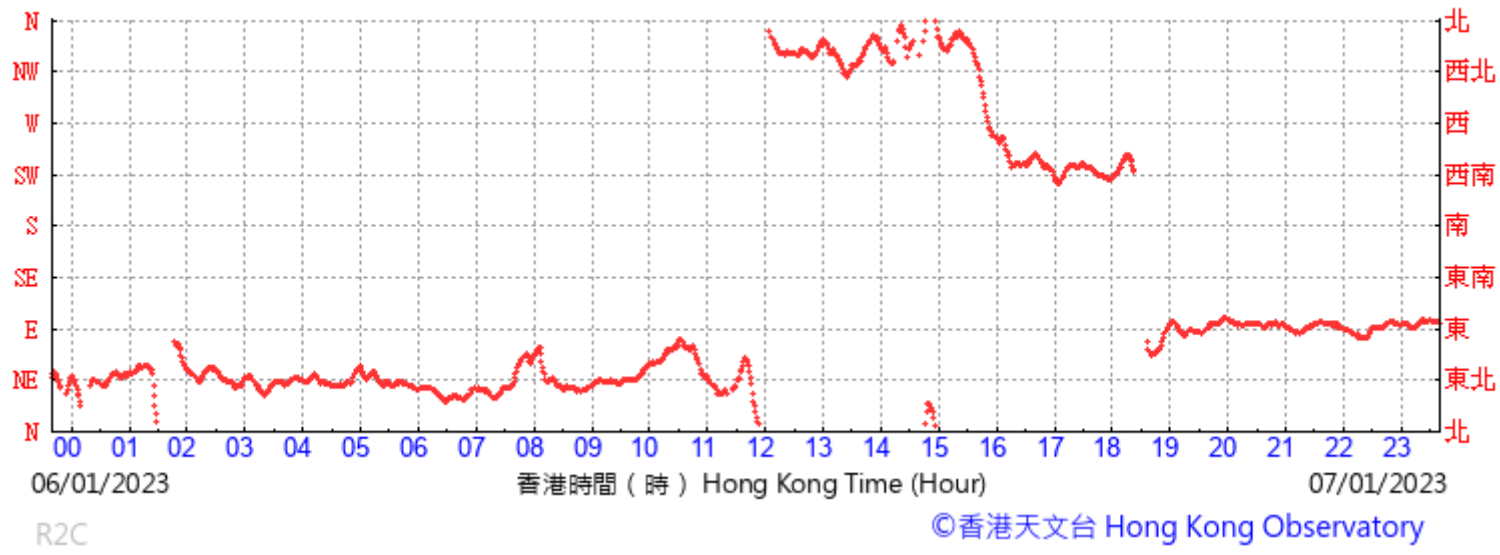


(公里/小時) (於香港時間06/01/2023 23 時 40 分更新) (Updated at 23:40H on 06/01/2023) (km/h)

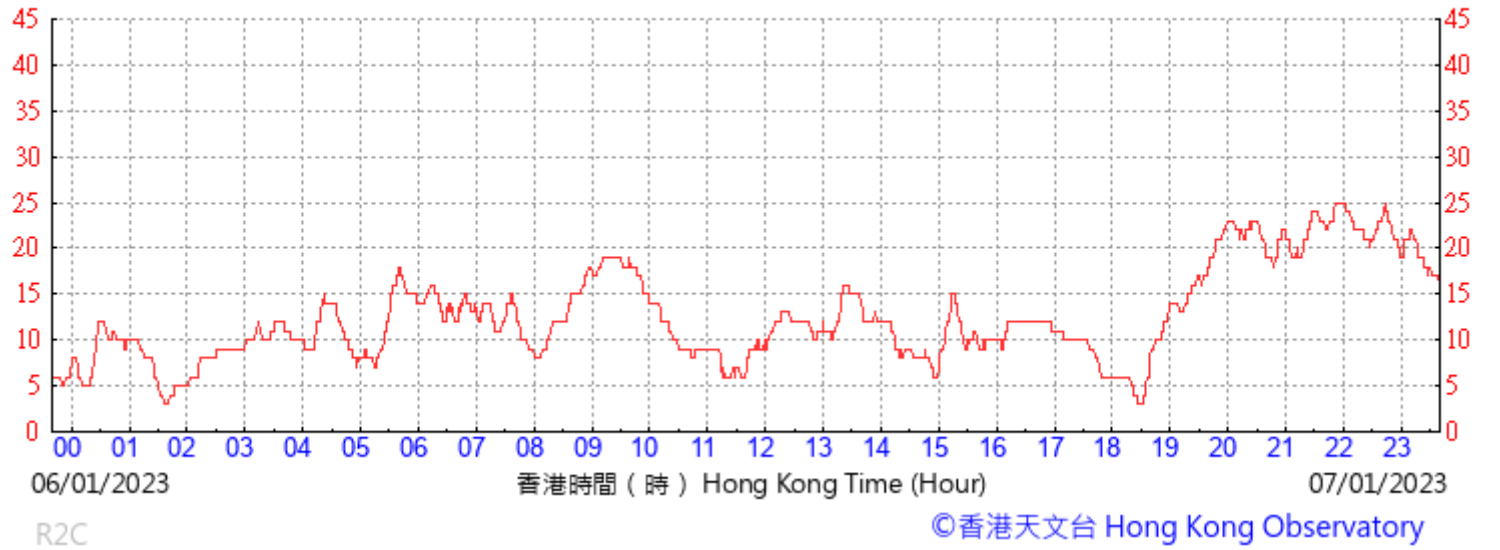


6 Jan 2023

(於香港時間07/01/2023 23 時 40 分更新) (Updated at 23:40H on 07/01/2023)

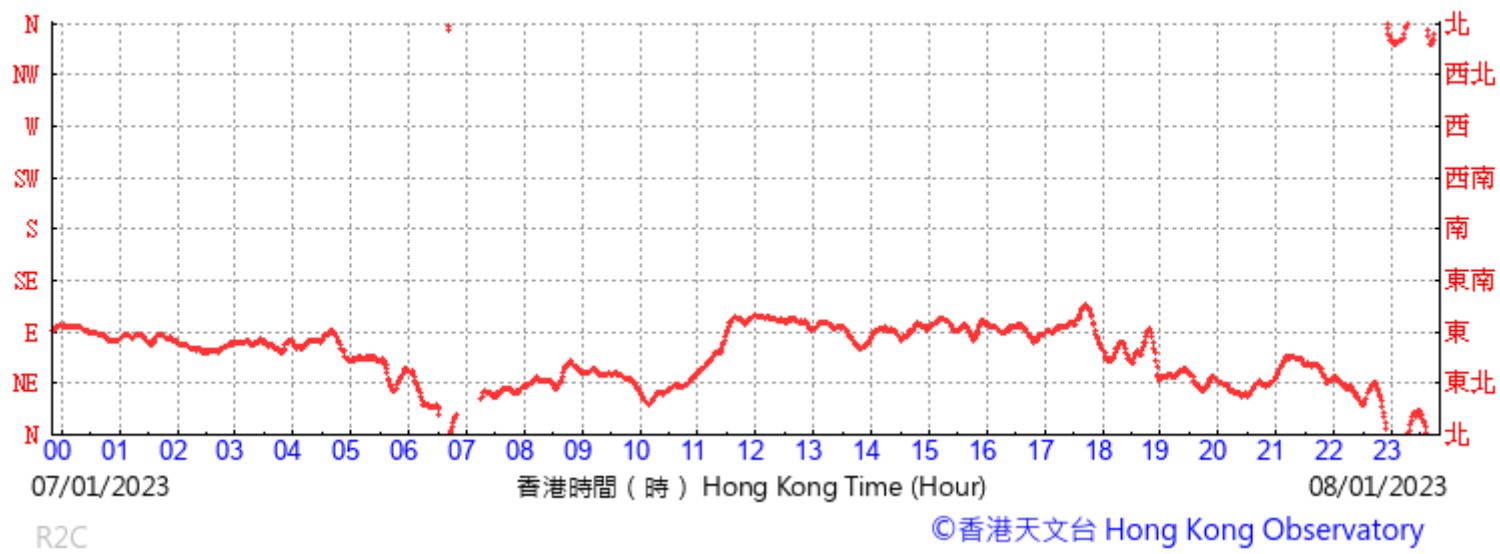


(公里/小時) (於香港時間07/01/2023 23 時 40 分更新) (Updated at 23:40H on 07/01/2023) (km/h)



7 Jan 2023

(於香港時間08/01/2023 23 時 50 分更新) (Updated at 23:50H on 08/01/2023)

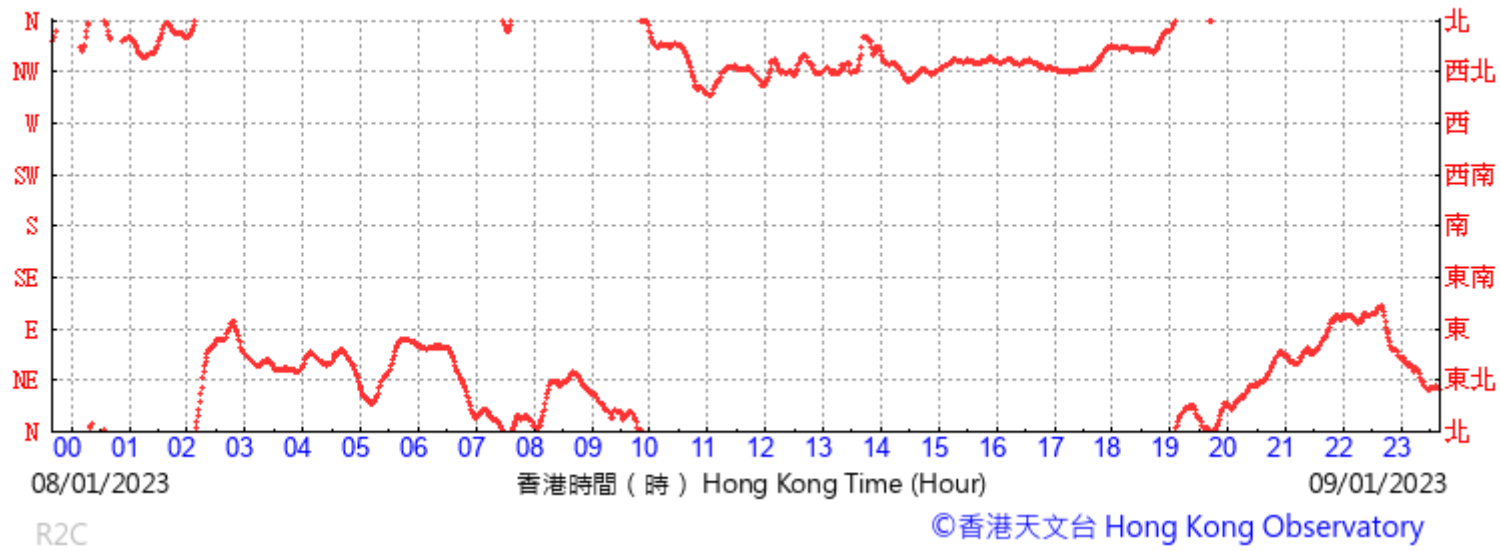


(公里/小時) (於香港時間08/01/2023 23 時 50 分更新) (Updated at 23:50H on 08/01/2023) (km/h)

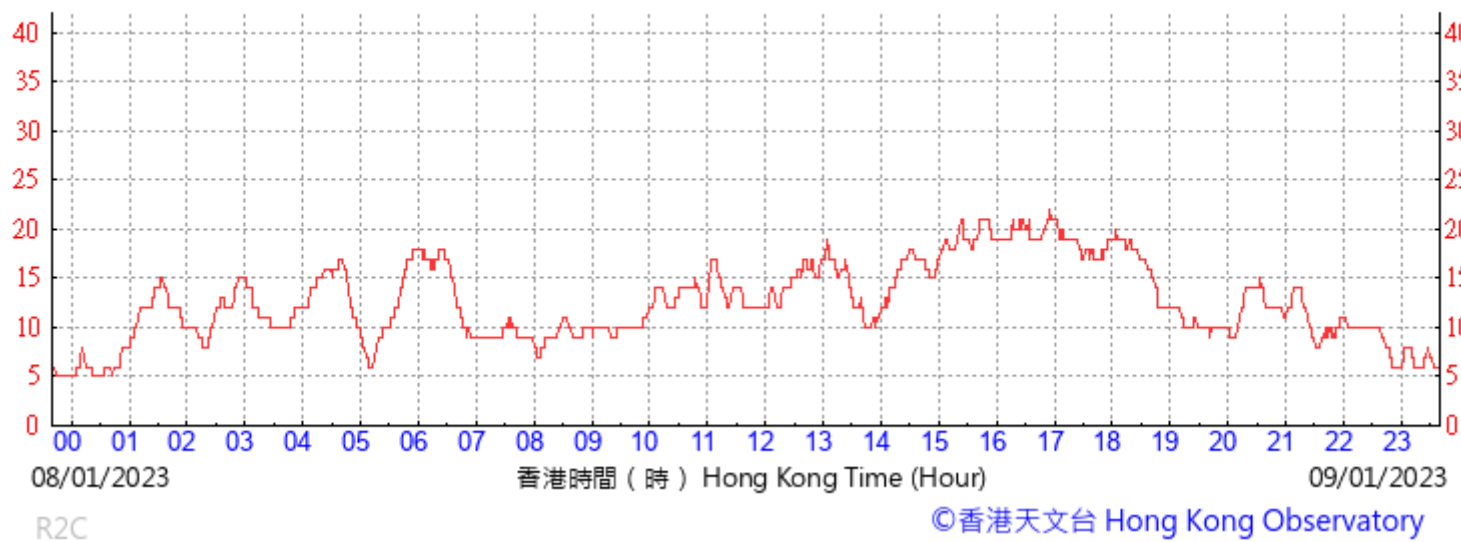


8 Jan 2023

(於香港時間09/01/2023 23 時 40 分更新) (Updated at 23:40H on 09/01/2023)

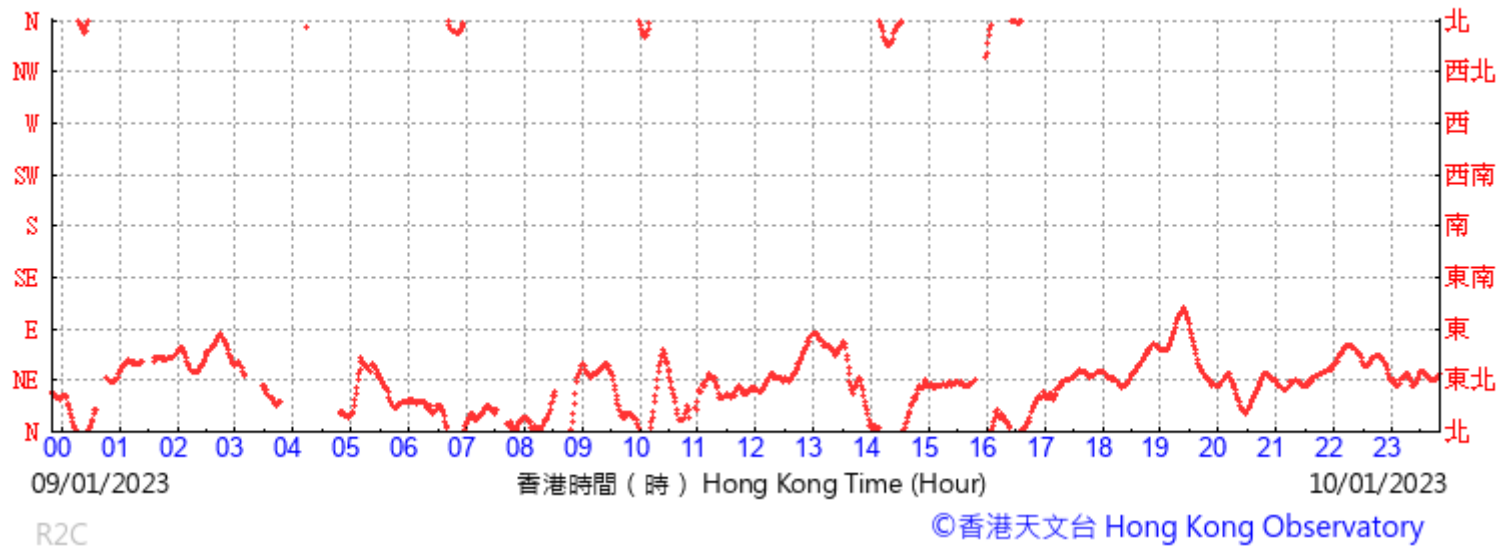


(公里/小時) (於香港時間09/01/2023 23 時 40 分更新) (Updated at 23:40H on 09/01/2023) (km/h)

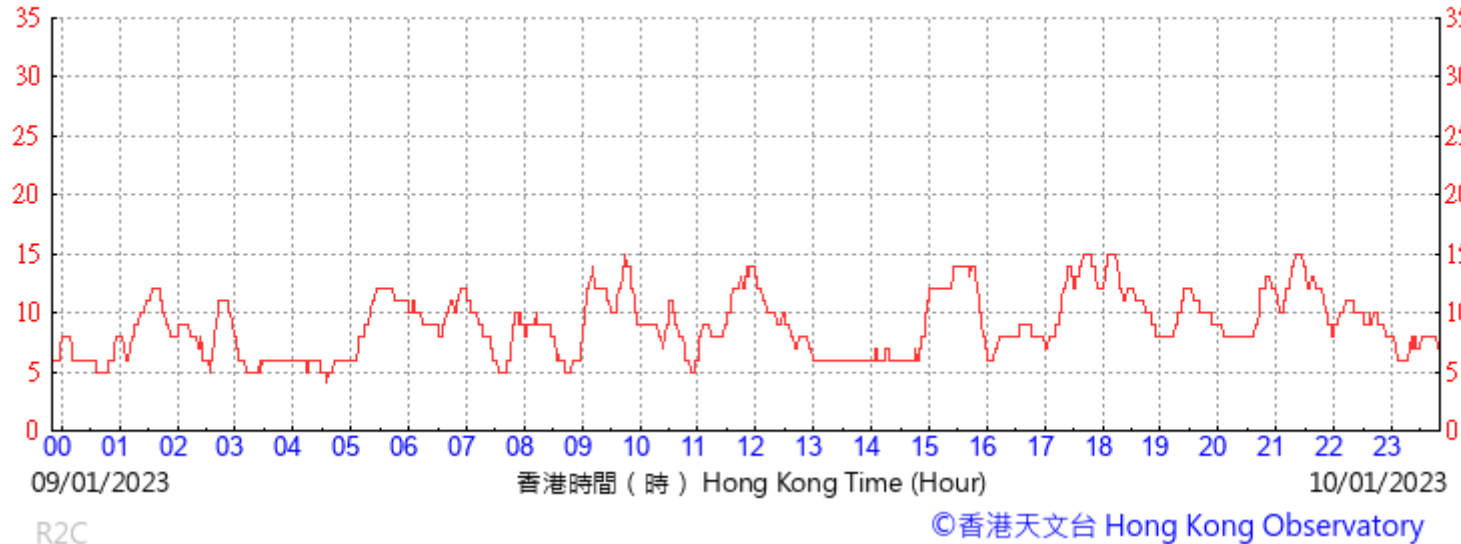


9 Jan 2023

(於香港時間10/01/2023 23 時 50 分更新) (Updated at 23:50H on 10/01/2023)

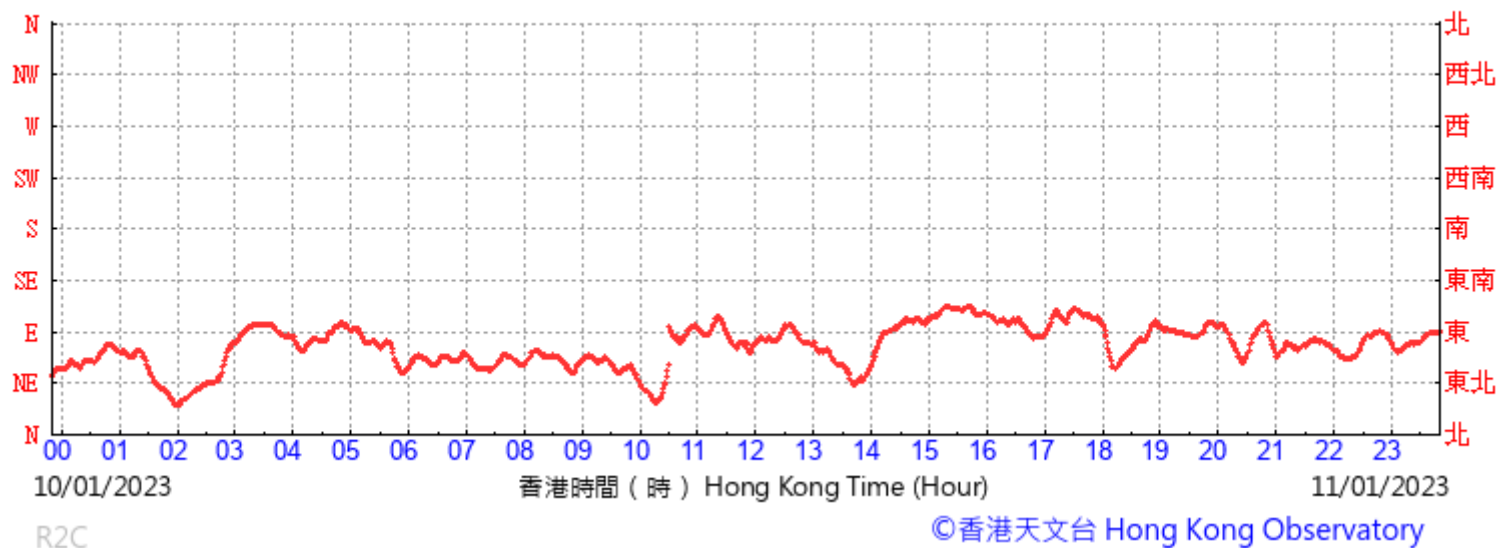


(公里/小時) (於香港時間10/01/2023 23 時 50 分更新) (Updated at 23:50H on 10/01/2023) (km/h)

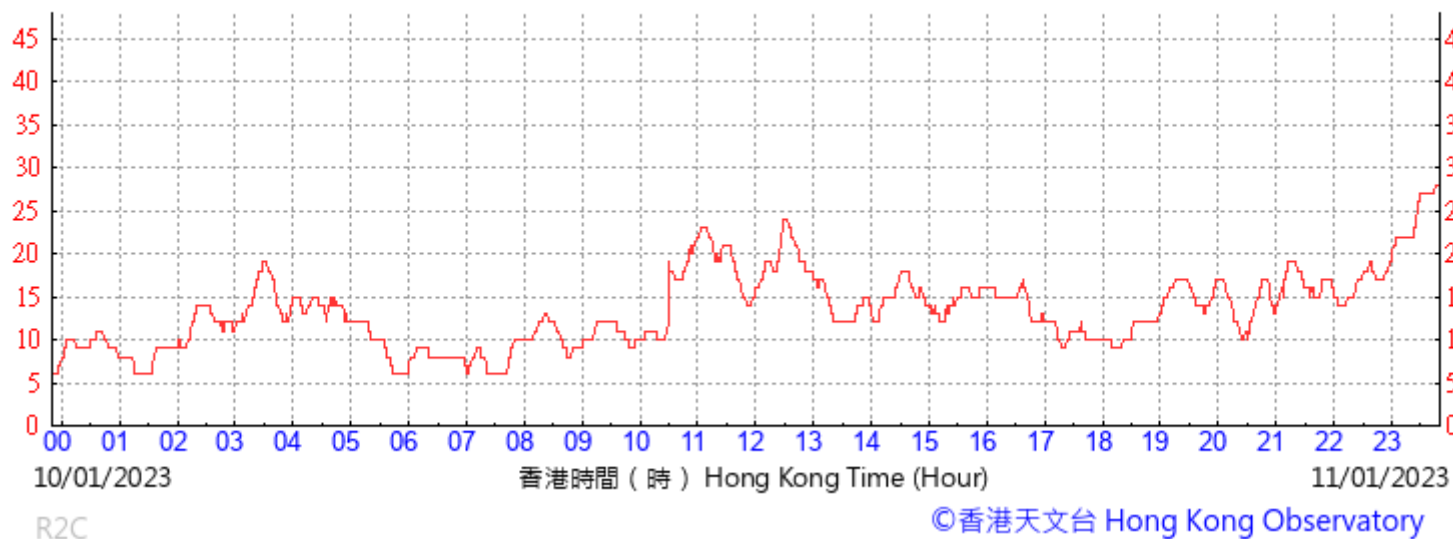


10 Jan 2023

(於香港時間11/01/2023 23 時 50 分更新) (Updated at 23:50H on 11/01/2023)

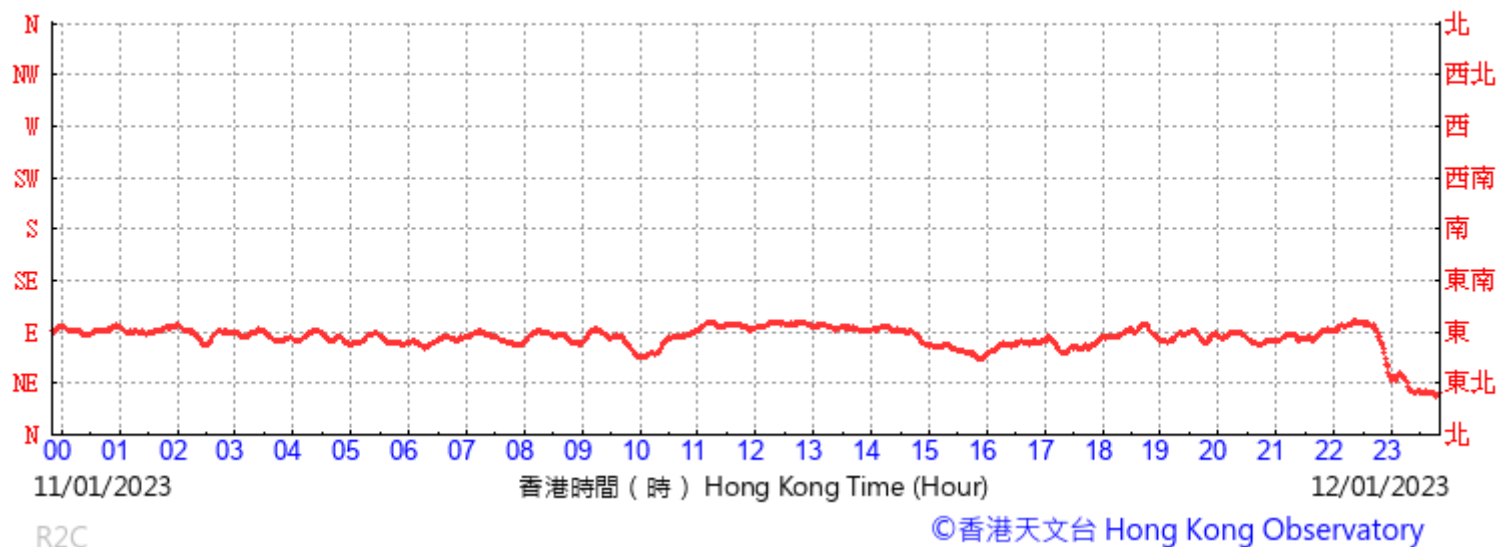


(公里/小時) (於香港時間11/01/2023 23 時 50 分更新) (Updated at 23:50H on 11/01/2023) (km/h)

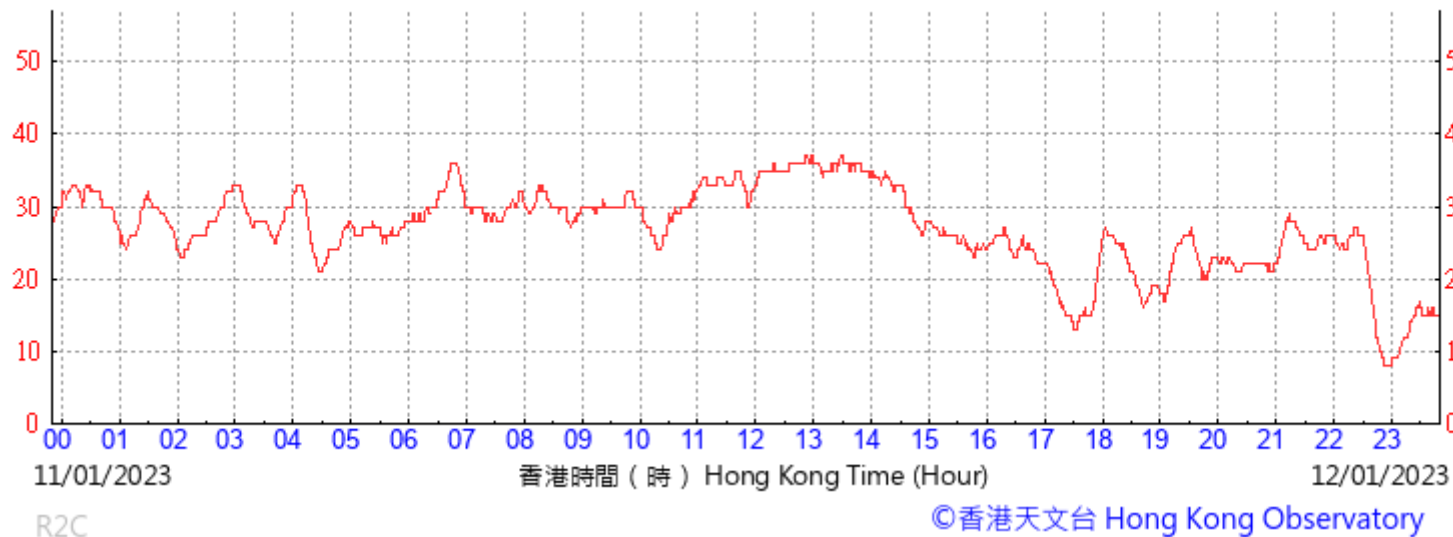


11 Jan 2023

(於香港時間12/01/2023 23 時 50 分更新) (Updated at 23:50H on 12/01/2023)

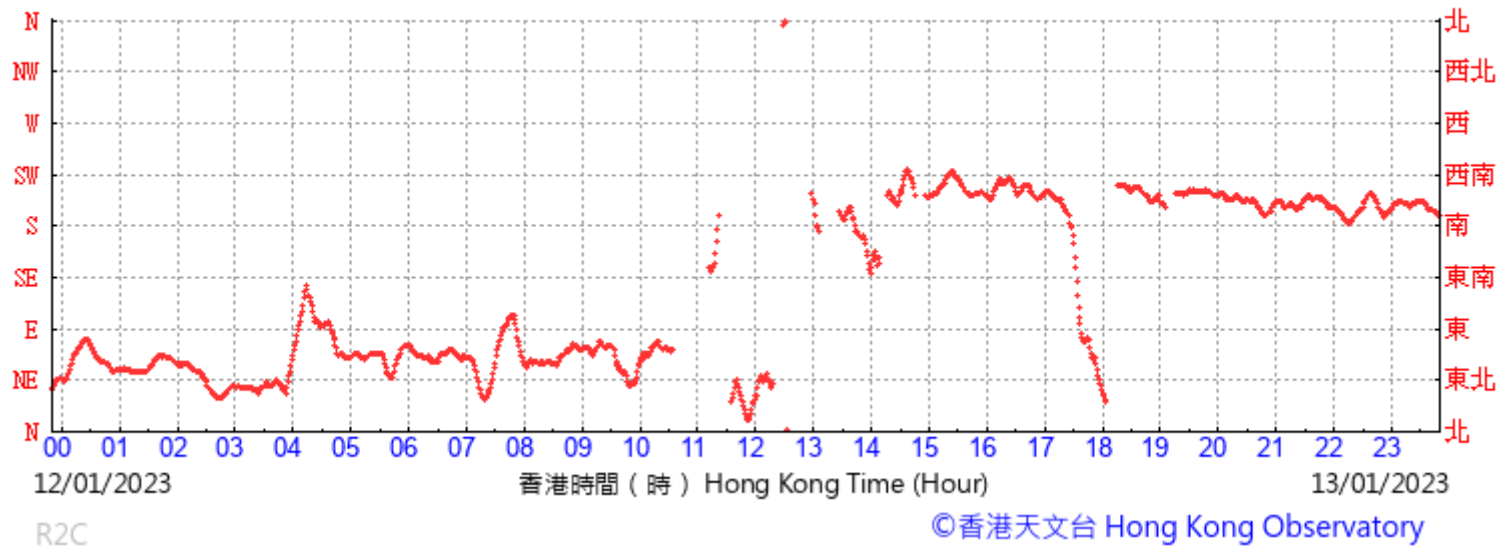


(公里/小時) (於香港時間12/01/2023 23 時 50 分更新) (Updated at 23:50H on 12/01/2023) (km/h)

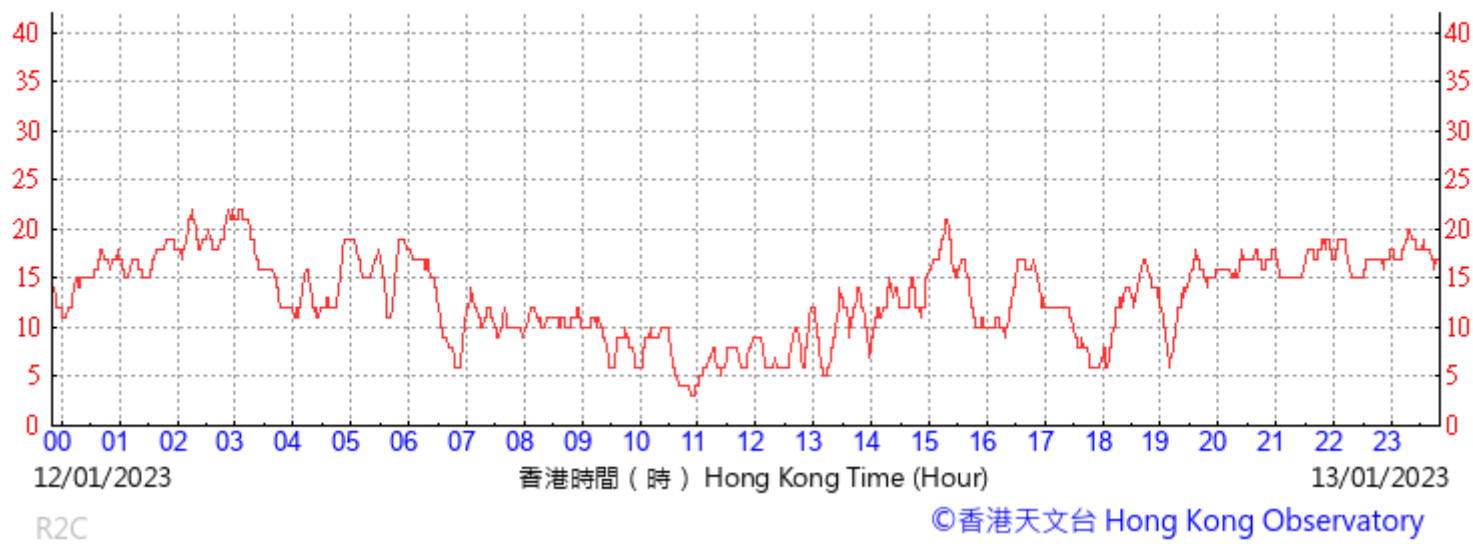


12 Jan 2023

(於香港時間13/01/2023 23 時 50 分更新) (Updated at 23:50H on 13/01/2023)

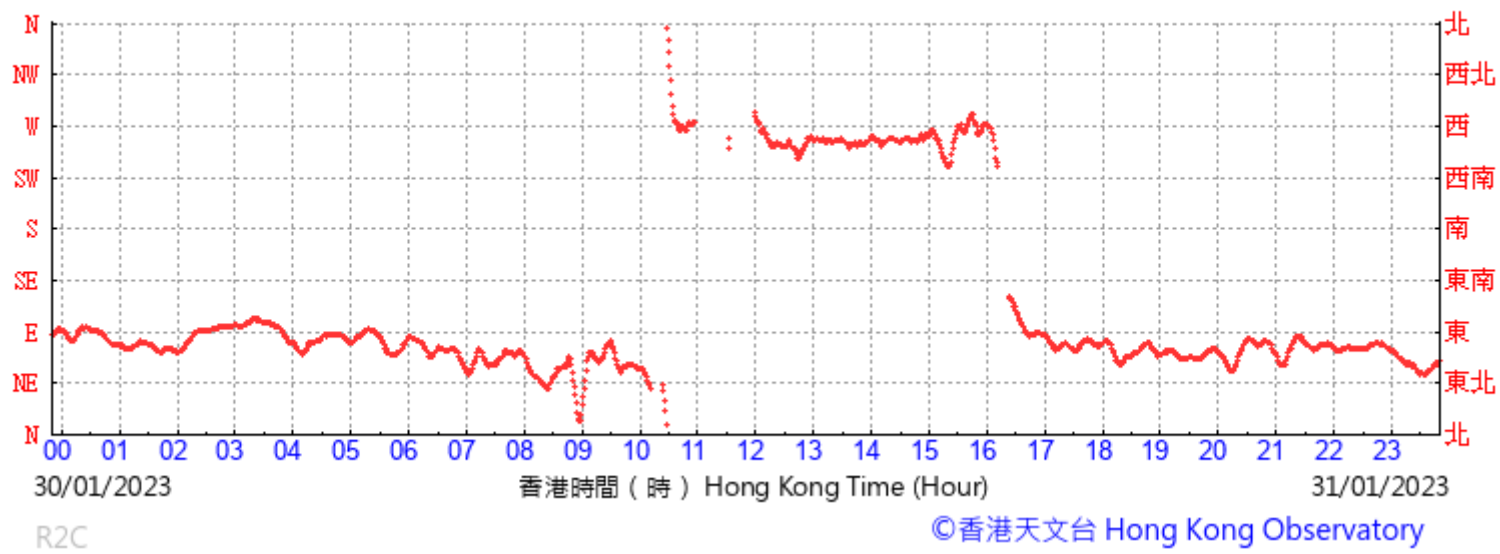


(公里/小時) (於香港時間13/01/2023 23 時 50 分更新) (Updated at 23:50H on 13/01/2023) (km/h)

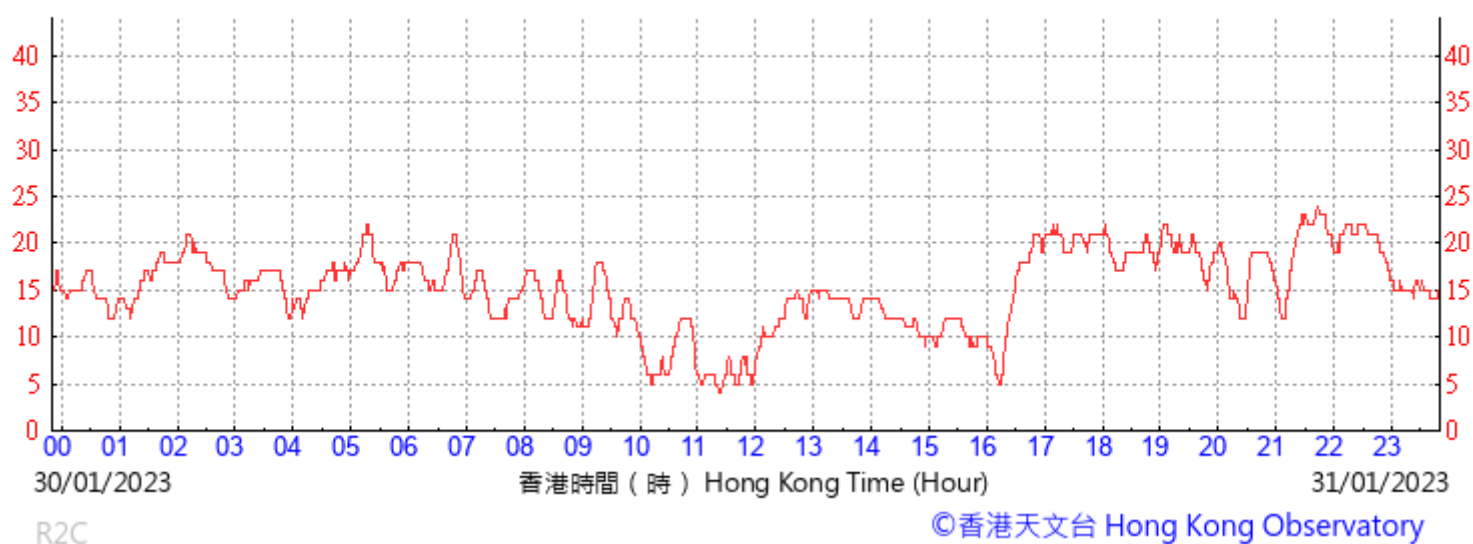


30 Jan 2023

(於香港時間31/01/2023 23 時 50 分更新) (Updated at 23:50H on 31/01/2023)

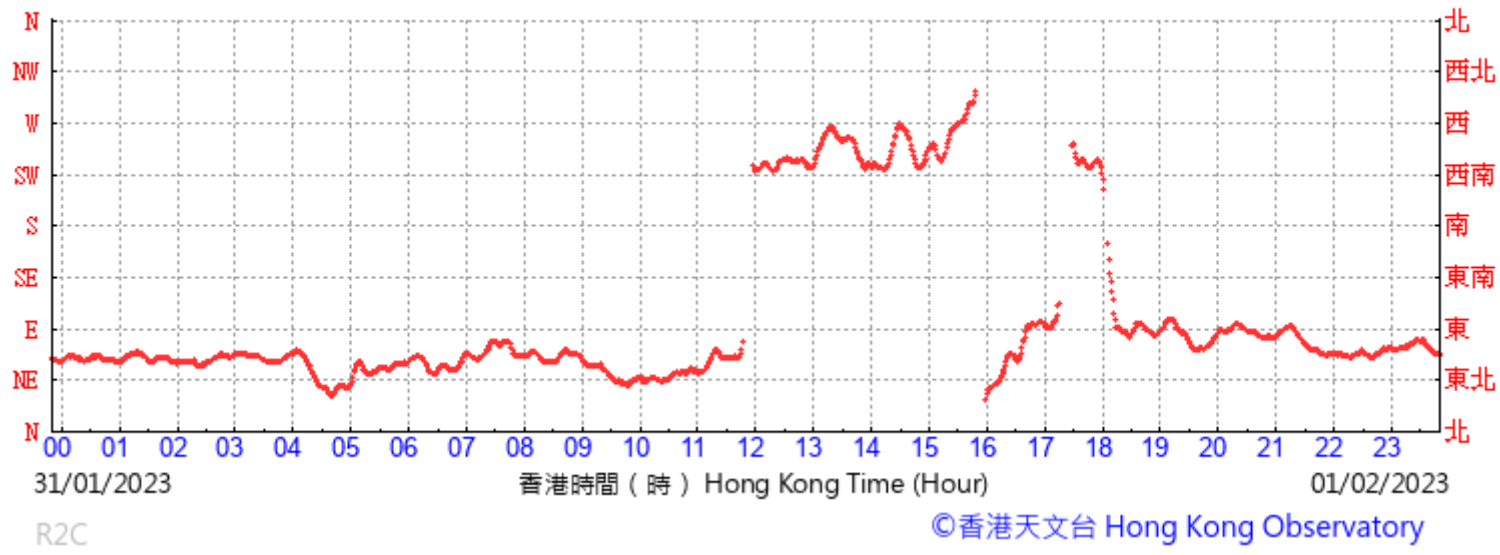


(公里/小時) (於香港時間31/01/2023 23 時 50 分更新) (Updated at 23:50H on 31/01/2023) (km/h)

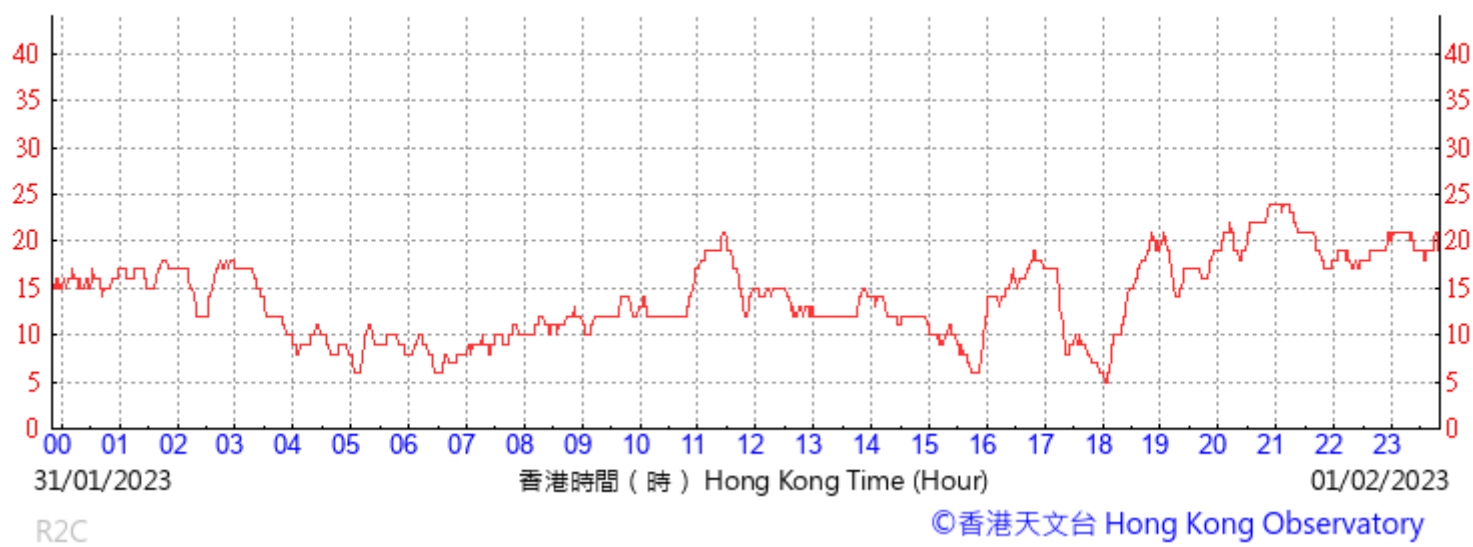


31 Jan 2023

(於香港時間01/02/2023 23 時 50 分更新) (Updated at 23:50H on 01/02/2023)

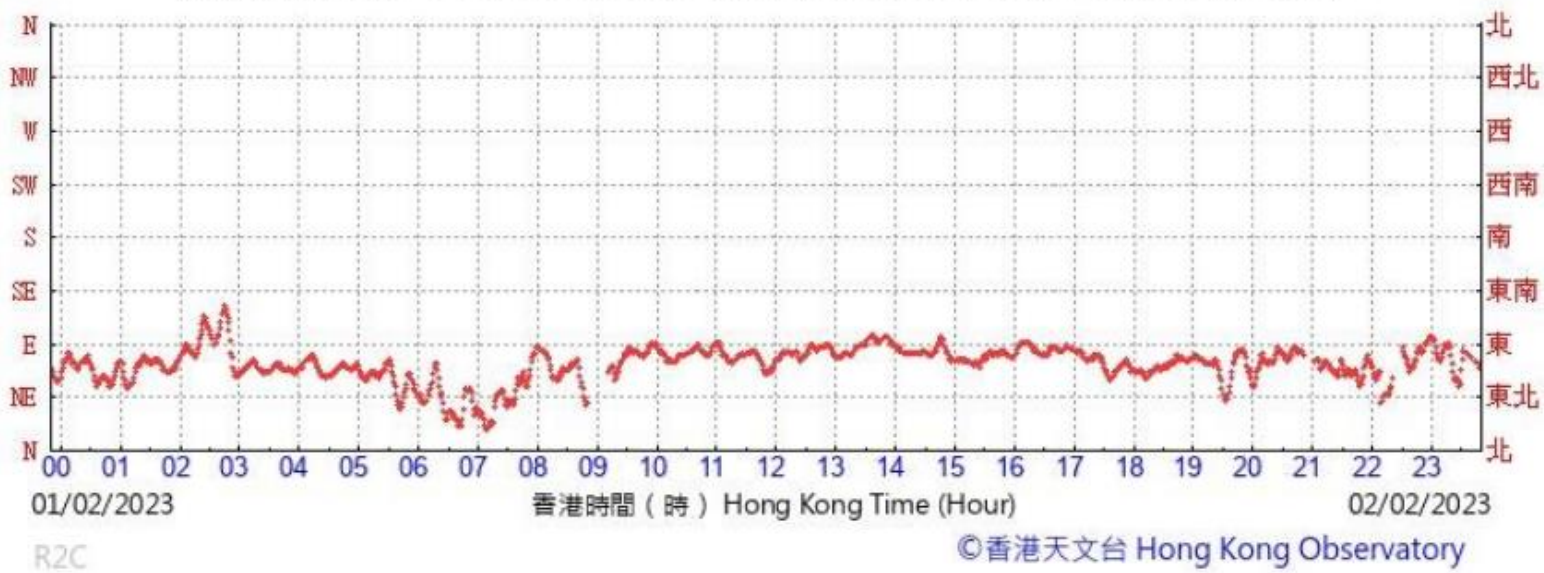


(公里/小時) (於香港時間01/02/2023 23 時 50 分更新) (Updated at 23:50H on 01/02/2023) (km/h)

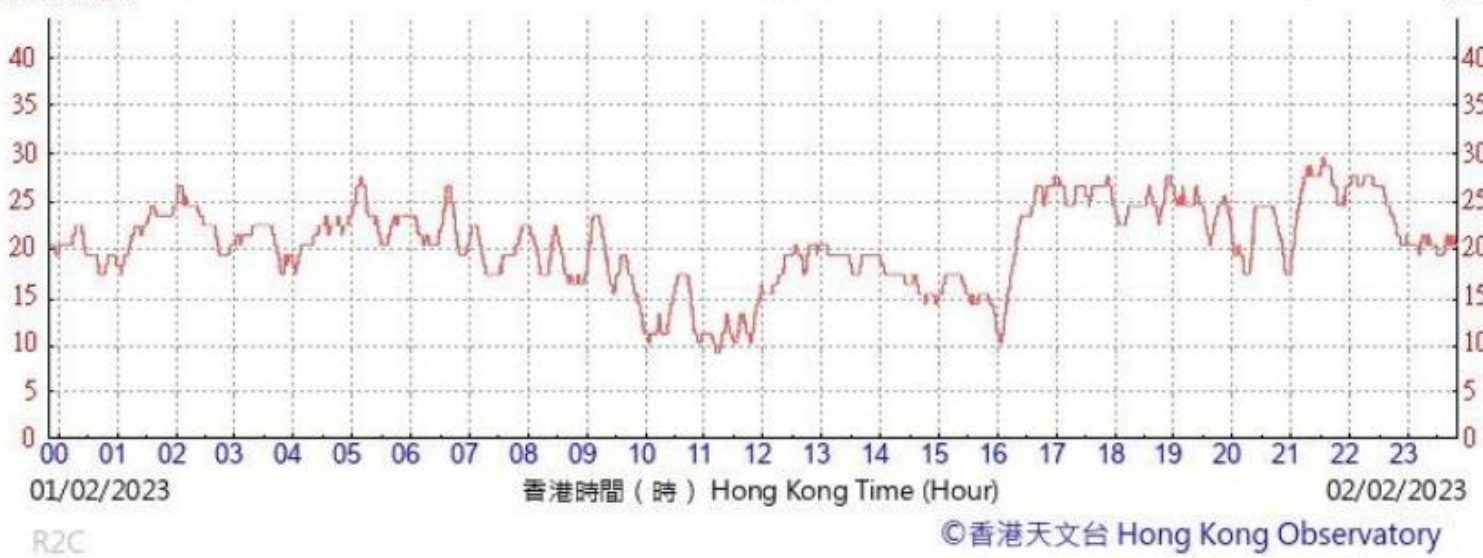


1 Feb 2023

(於香港時間02/02/2023 23 時 50 分更新) (Updated at 23:50H on 02/02/2023)

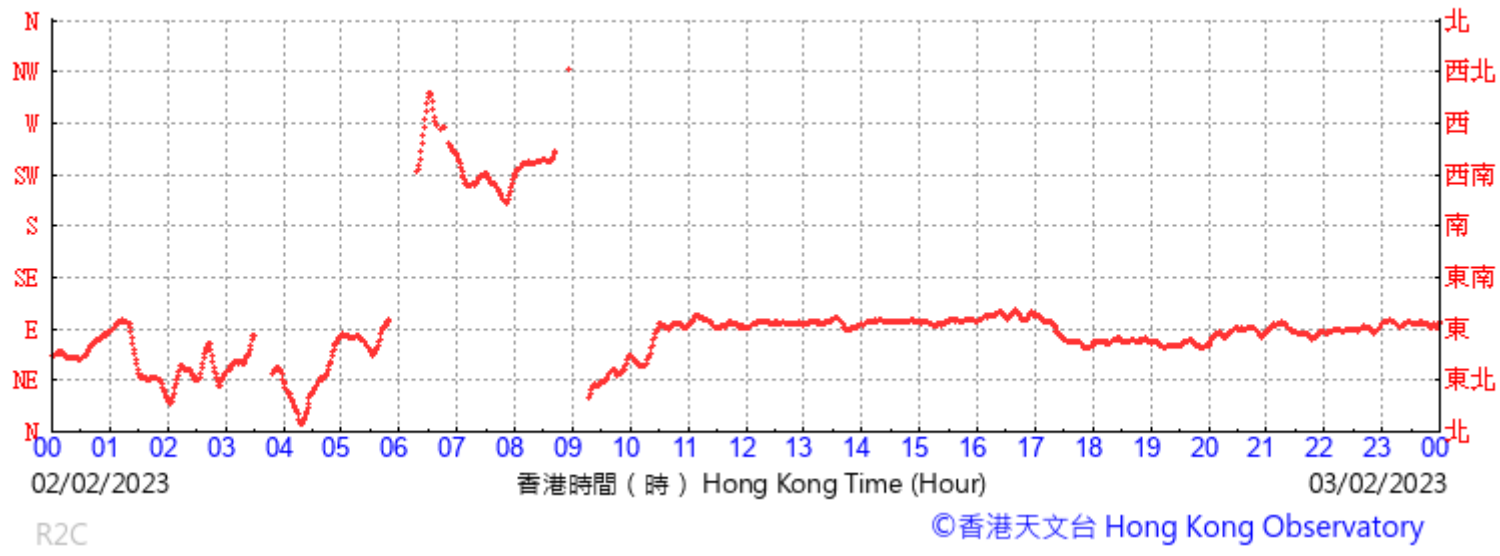


(公里/小時) (於香港時間02/02/2023 23 時 50 分更新) (Updated at 23:50H on 02/02/2023) (km/h)

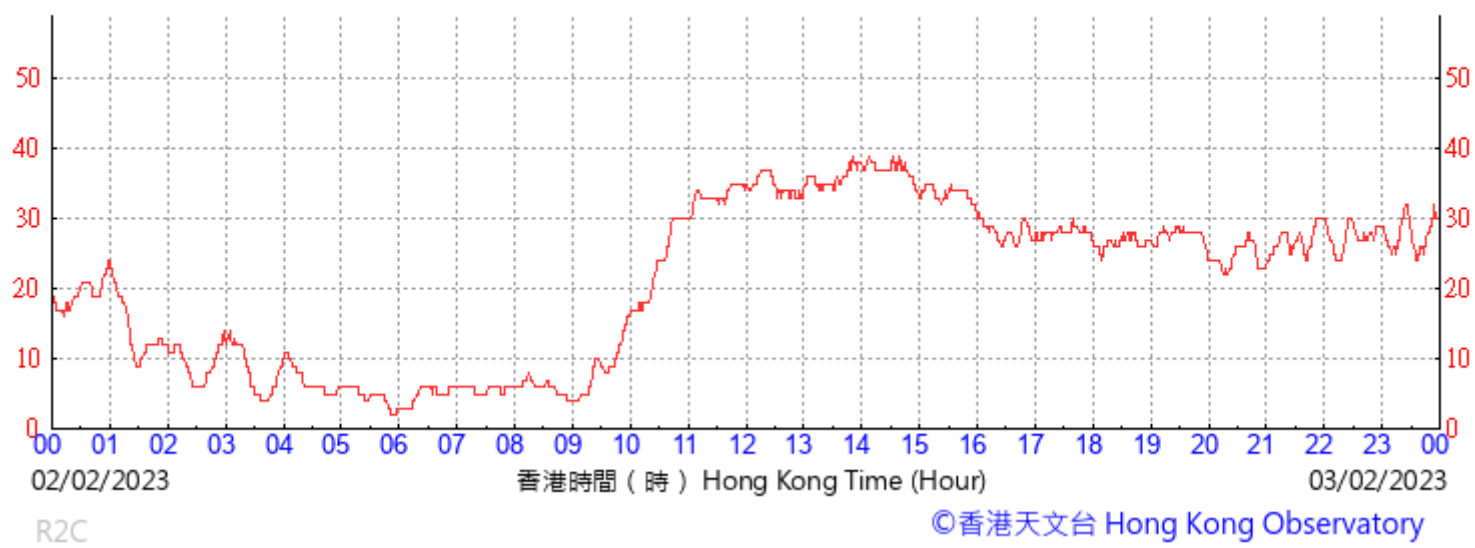


2 Feb 2023

(於香港時間03/02/2023 00 時 00 分更新) (Updated at 00:00H on 03/02/2023)

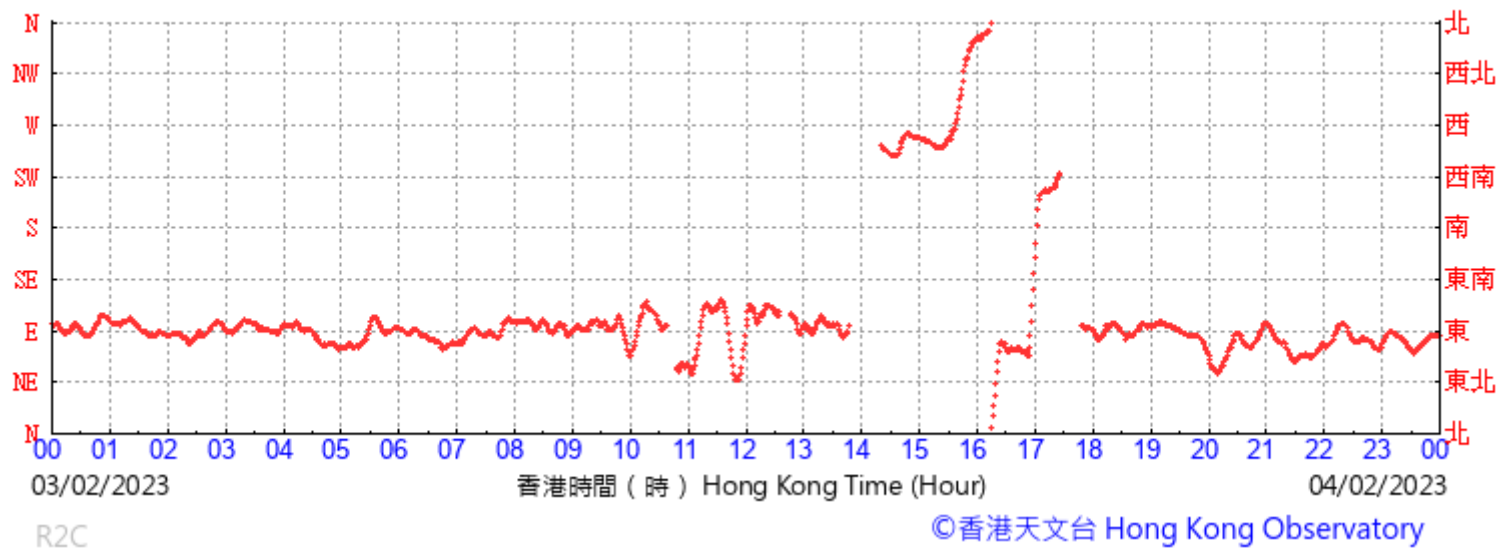


(公里/小時) (於香港時間03/02/2023 00 時 00 分更新) (Updated at 00:00H on 03/02/2023) (km/h)

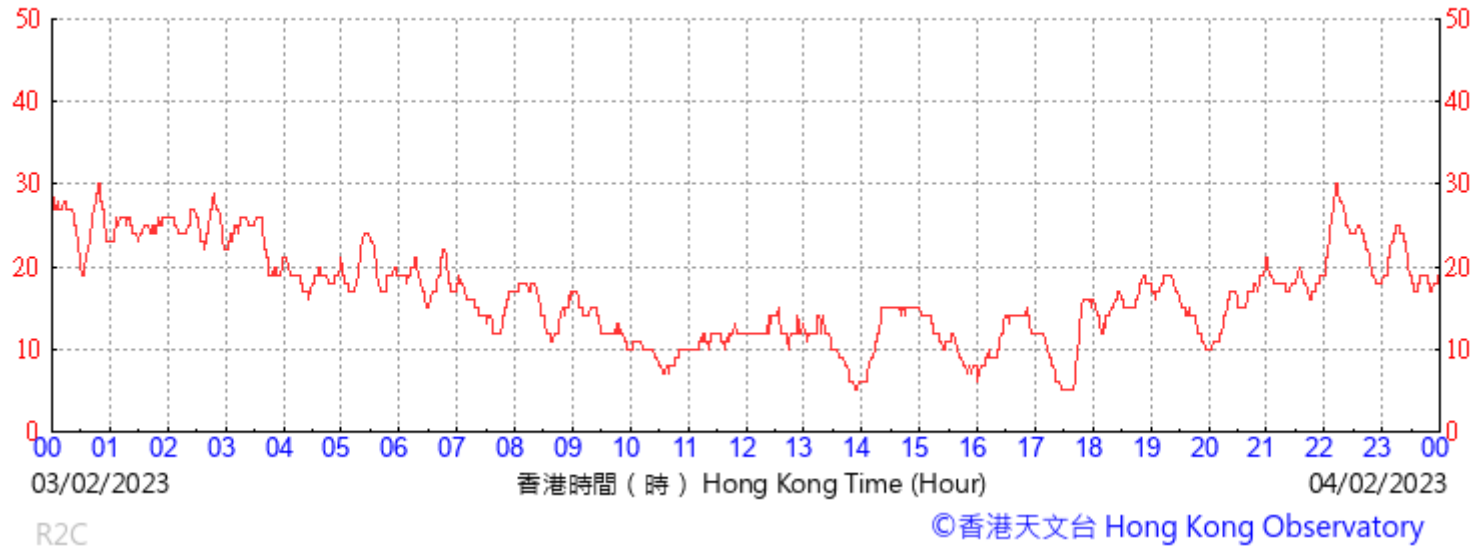


3 Feb 2023

(於香港時間04/02/2023 00 時 00 分更新) (Updated at 00:00H on 04/02/2023)

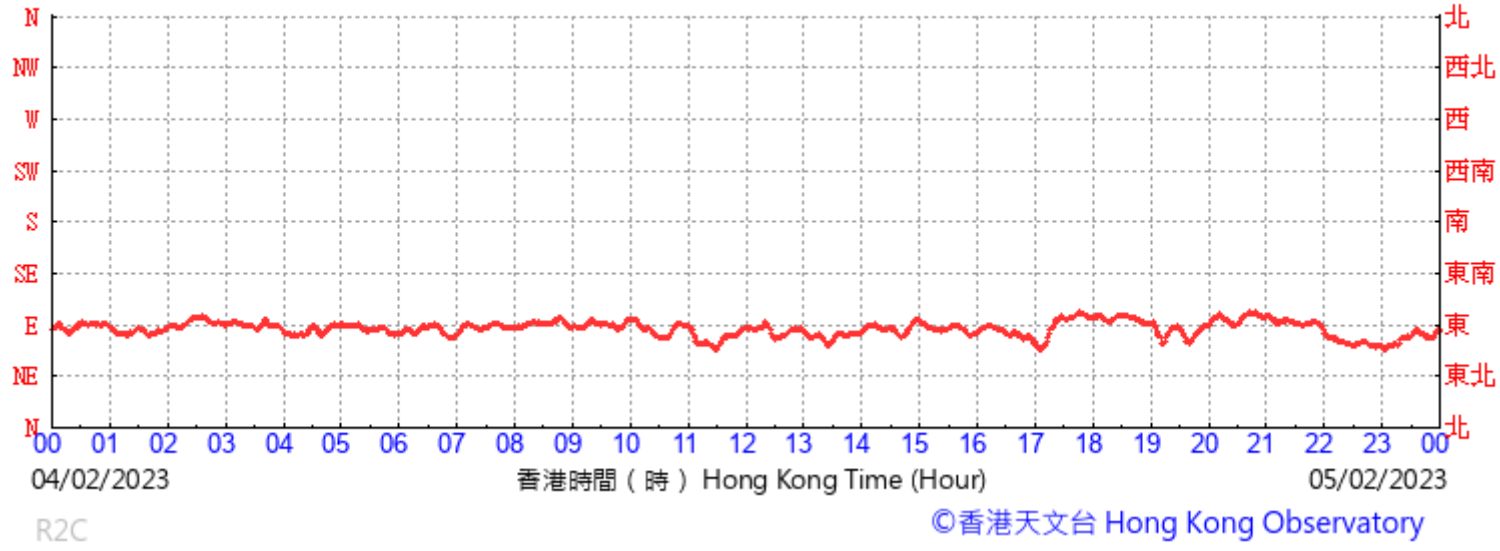


(公里/小時) (於香港時間04/02/2023 00 時 00 分更新) (Updated at 00:00H on 04/02/2023) (km/h)

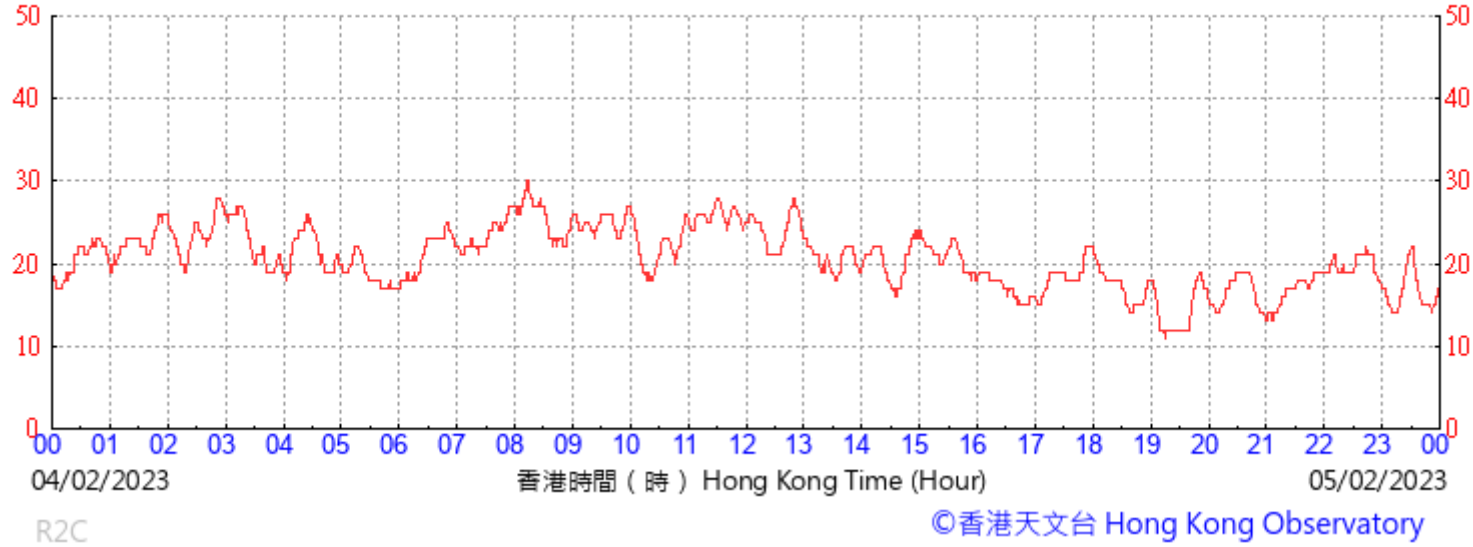


4 Feb 2023

(於香港時間05/02/2023 00 時 00 分更新) (Updated at 00:00H on 05/02/2023)

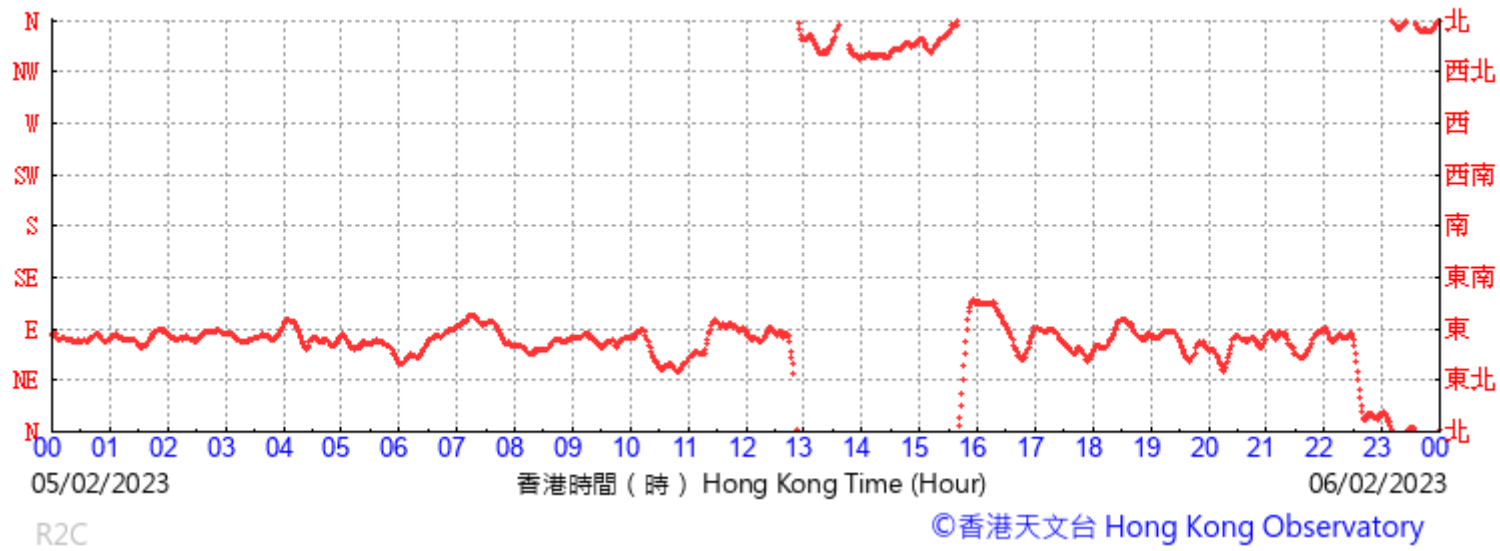


(公里/小時) (於香港時間05/02/2023 00 時 00 分更新) (Updated at 00:00H on 05/02/2023) (km/h)

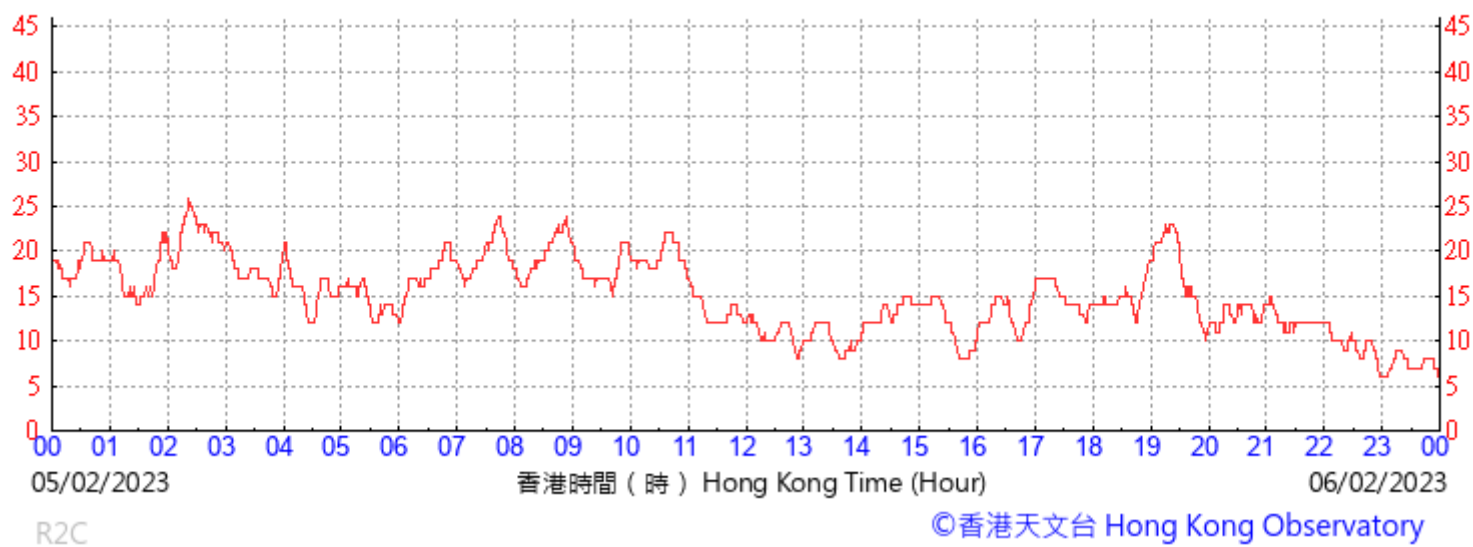


5 Feb 2023

(於香港時間06/02/2023 00 時 00 分更新) (Updated at 00:00H on 06/02/2023)

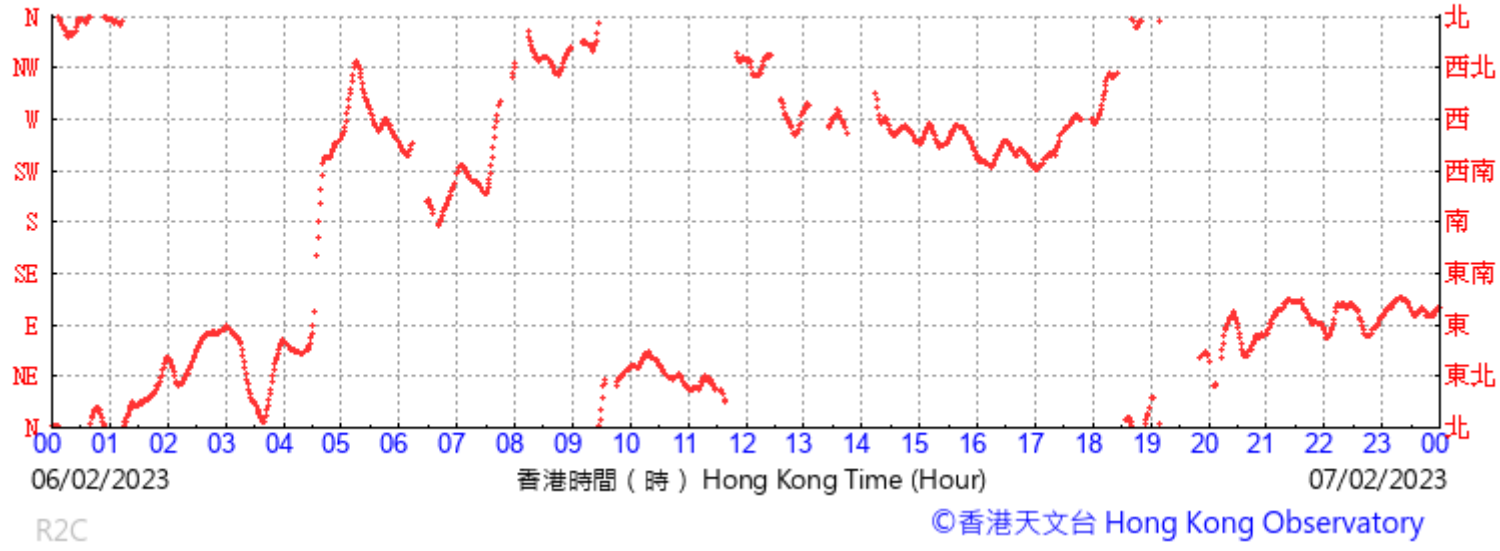


(公里/小時) (於香港時間06/02/2023 00 時 00 分更新) (Updated at 00:00H on 06/02/2023) (km/h)



6 Feb 2023

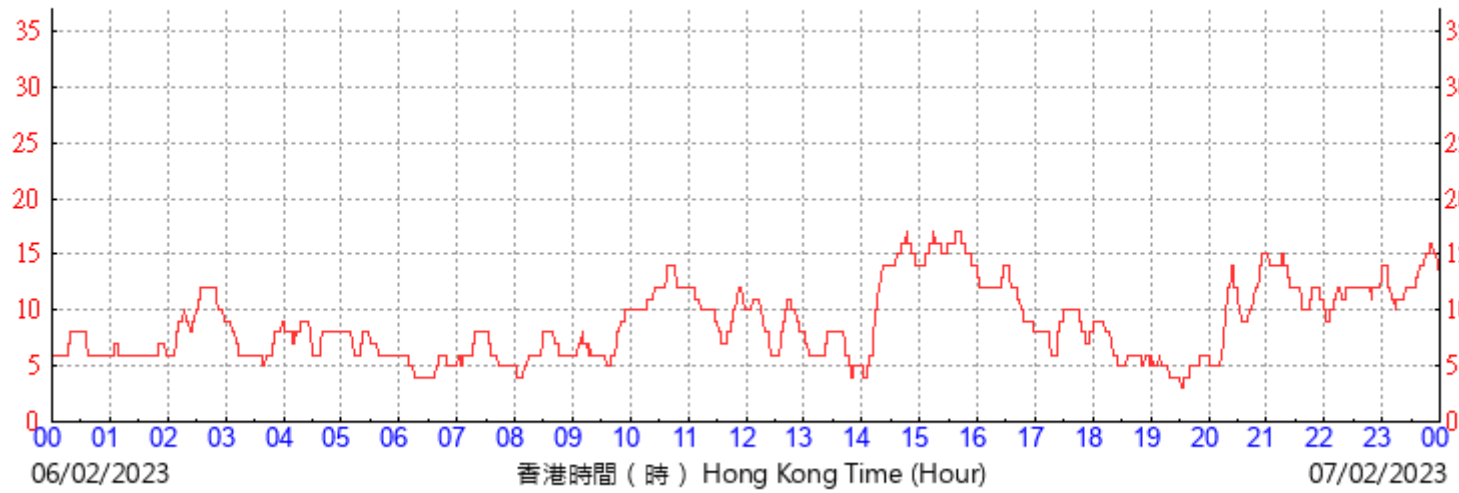
(於香港時間07/02/2023 00 時 00 分更新) (Updated at 00:00H on 07/02/2023)



R2C

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(公里/小時) (於香港時間07/02/2023 00 時 00 分更新) (Updated at 00:00H on 07/02/2023) (km/h)

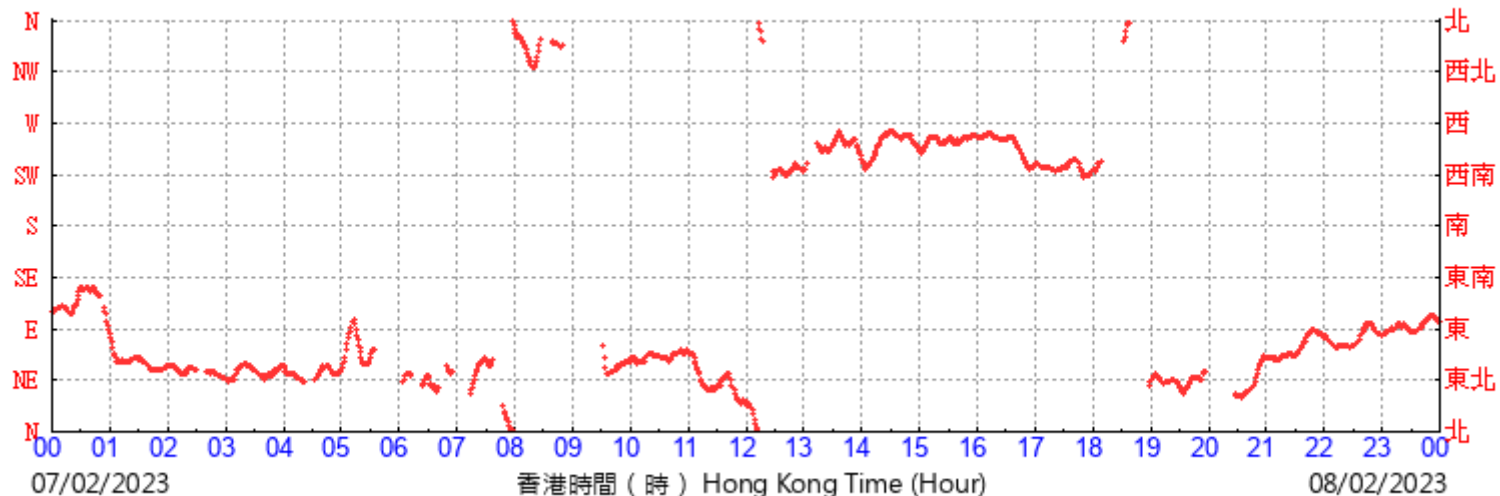


R2C

©香港天文台 Hong Kong Observatory

7 Feb 2023

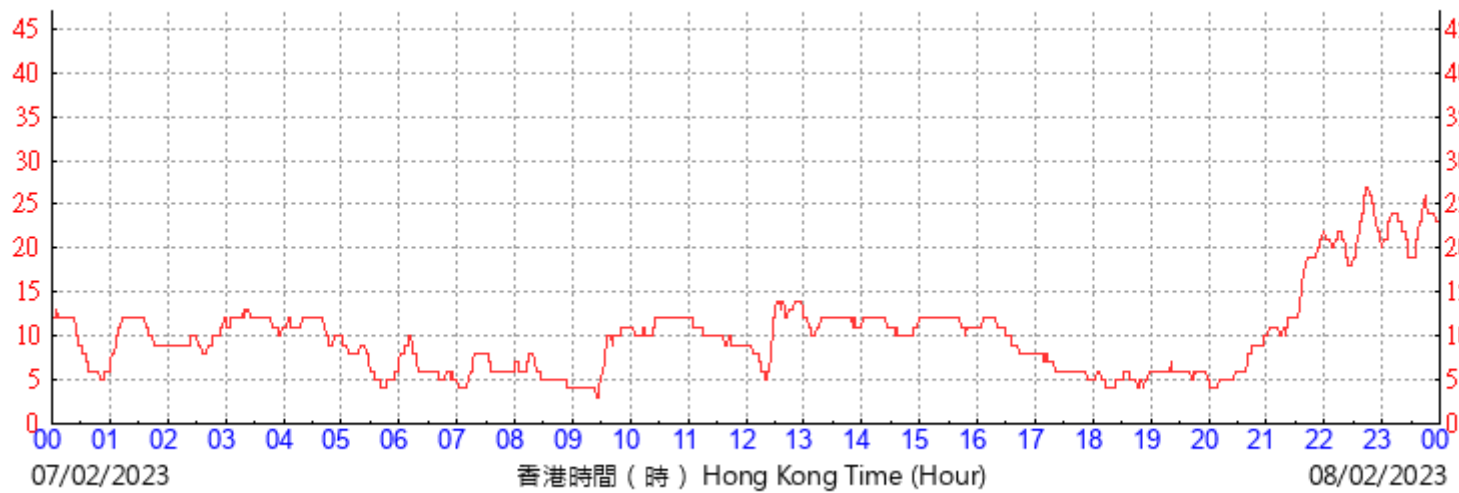
(於香港時間08/02/2023 00 時 00 分更新) (Updated at 00:00H on 08/02/2023)



R2C

©香港天文台 Hong Kong Observatory

(公里/小時) (於香港時間08/02/2023 00 時 00 分更新) (Updated at 00:00H on 08/02/2023) (km/h)

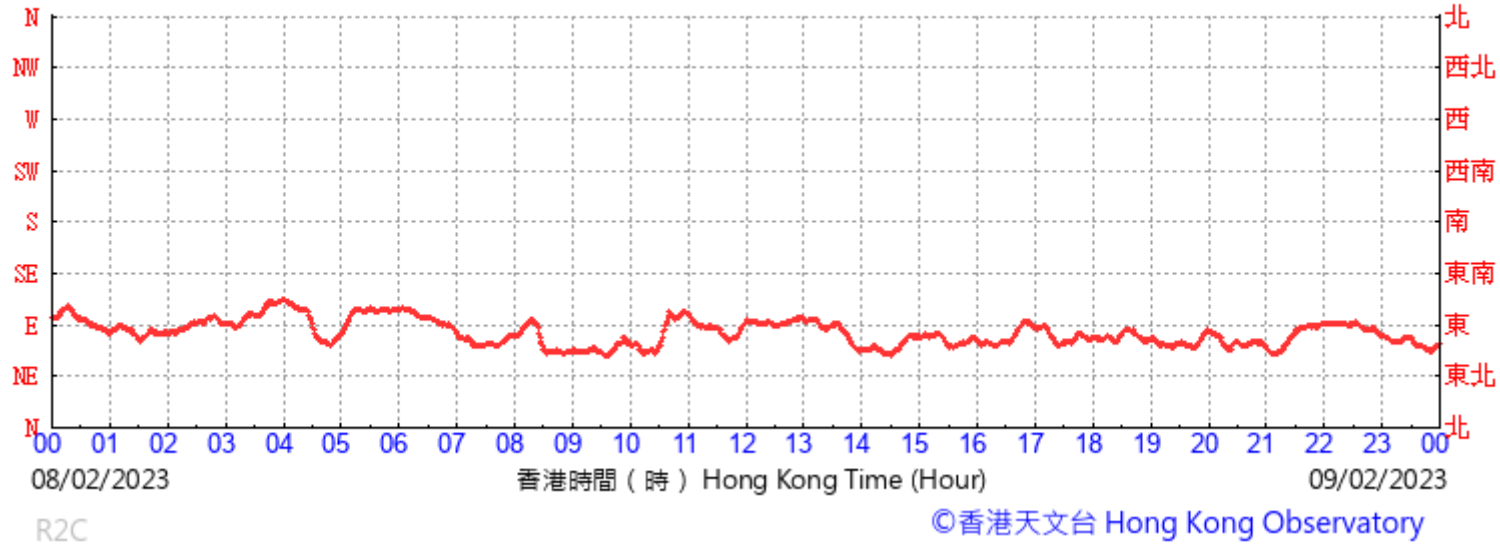


R2C

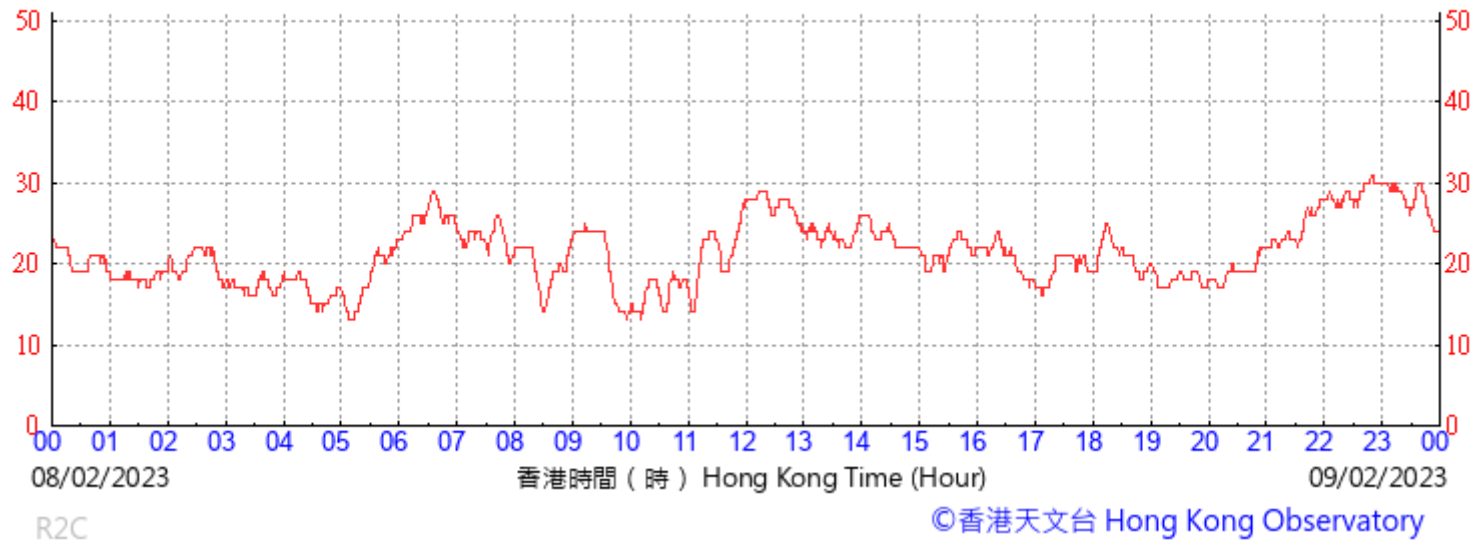
©香港天文台 Hong Kong Observatory

8 Feb 2023

(於香港時間09/02/2023 00 時 00 分更新) (Updated at 00:00H on 09/02/2023)

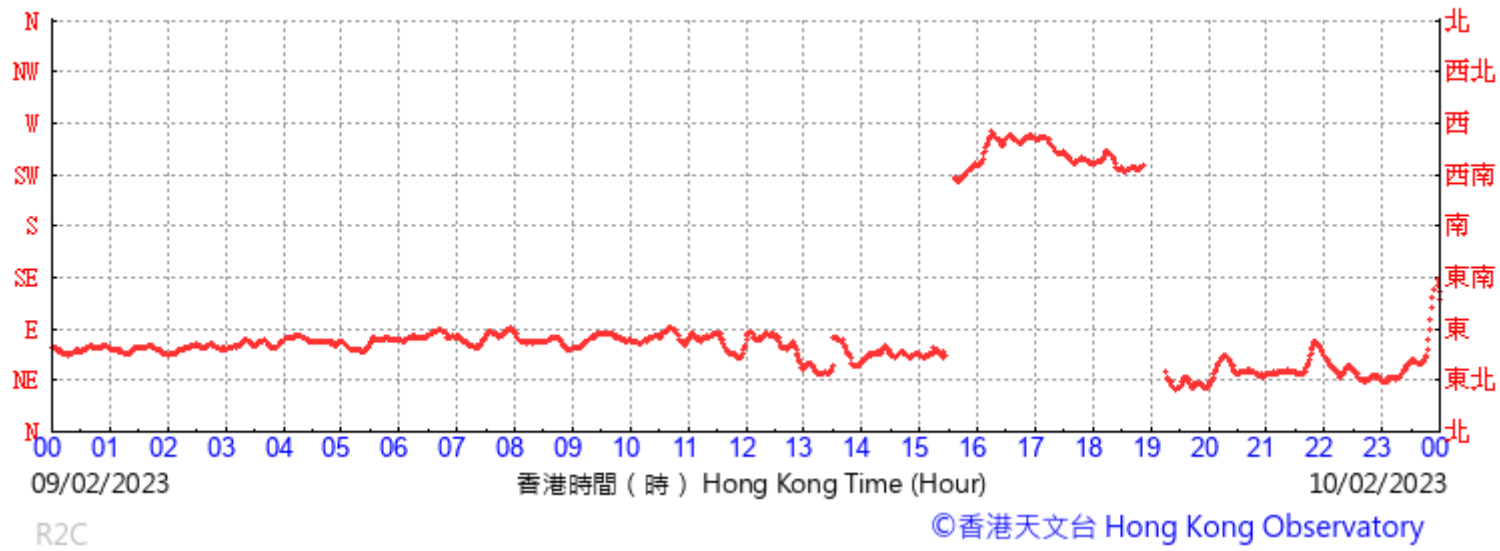


(公里/小時) (於香港時間09/02/2023 00 時 00 分更新) (Updated at 00:00H on 09/02/2023) (km/h)

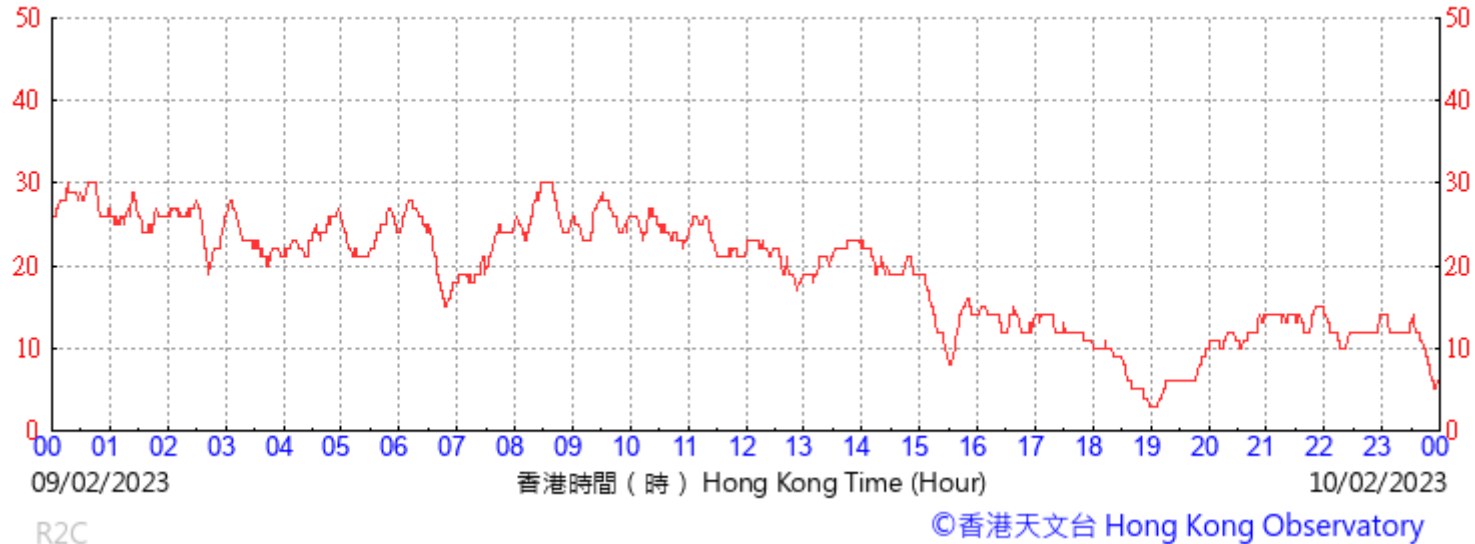


9 Feb 2023

(於香港時間10/02/2023 00 時 00 分更新) (Updated at 00:00H on 10/02/2023)

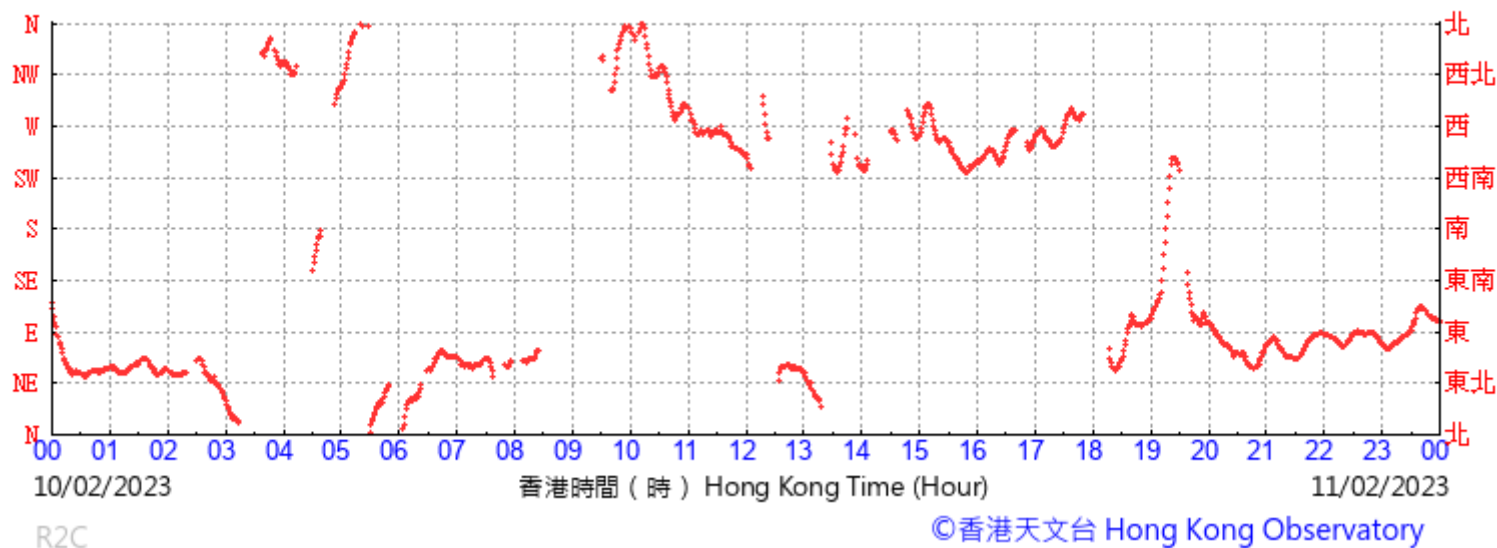


(公里/小時) (於香港時間10/02/2023 00 時 00 分更新) (Updated at 00:00H on 10/02/2023) (km/h)

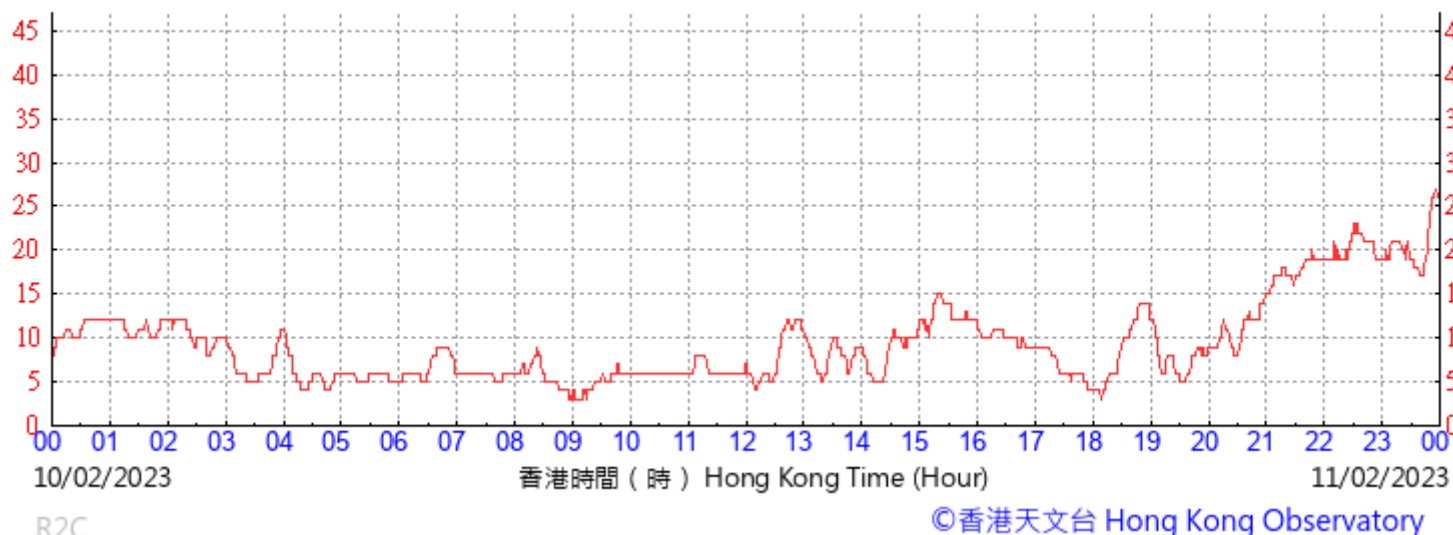


10 Feb 2023

(於香港時間11/02/2023 00 時 00 分更新) (Updated at 00:00H on 11/02/2023)

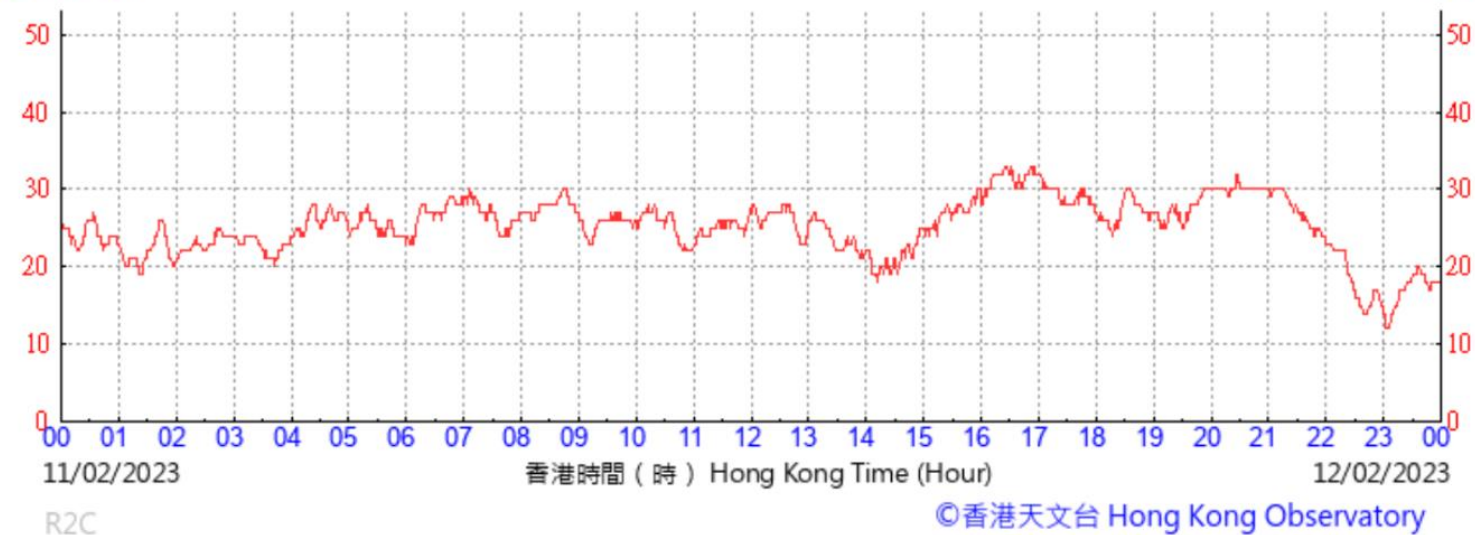


(公里/小時) (於香港時間11/02/2023 00 時 00 分更新) (Updated at 00:00H on 11/02/2023) (km/h)

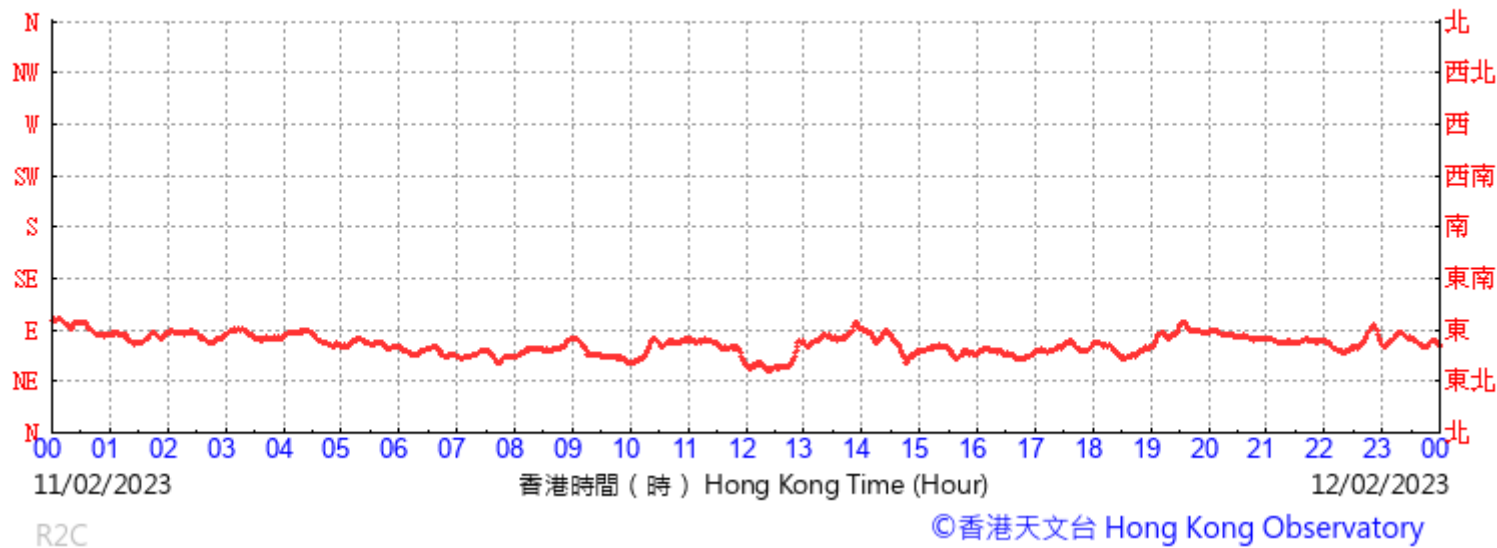


11 Feb 2023

(公里/小時) (於香港時間12/02/2023 00 時 00 分更新) (Updated at 00:00H on 12/02/2023) (km/h)

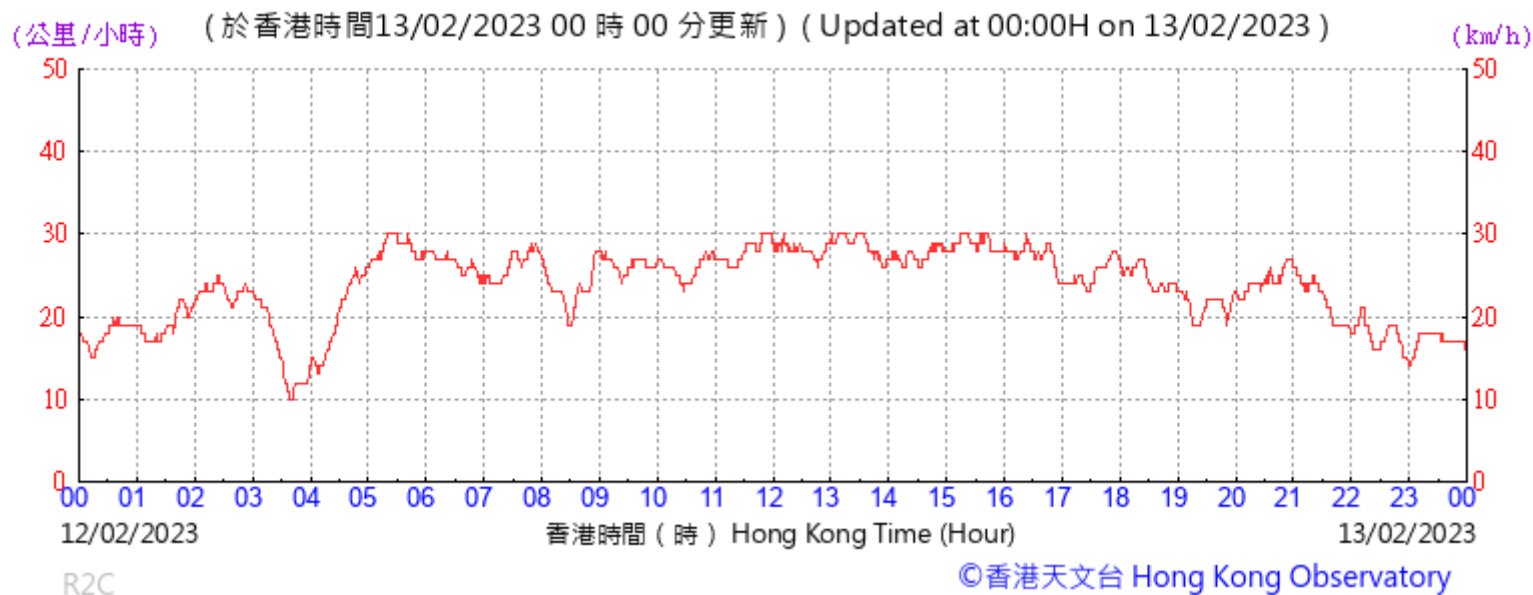
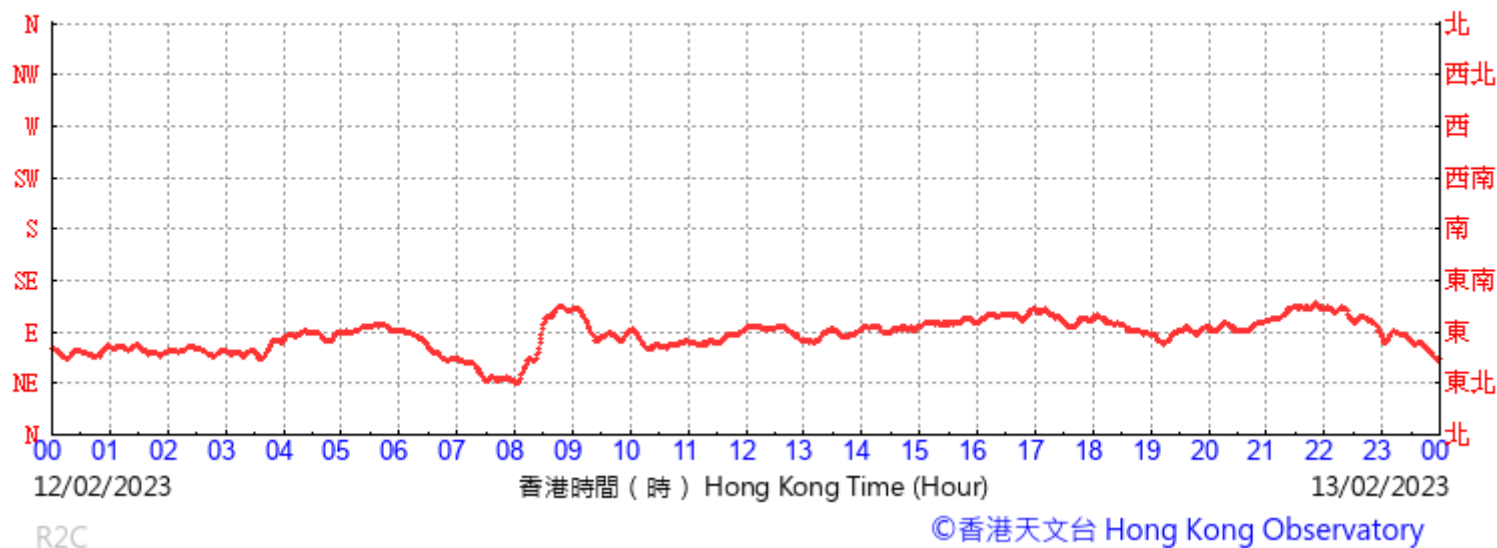


(於香港時間12/02/2023 00 時 00 分更新) (Updated at 00:00H on 12/02/2023)



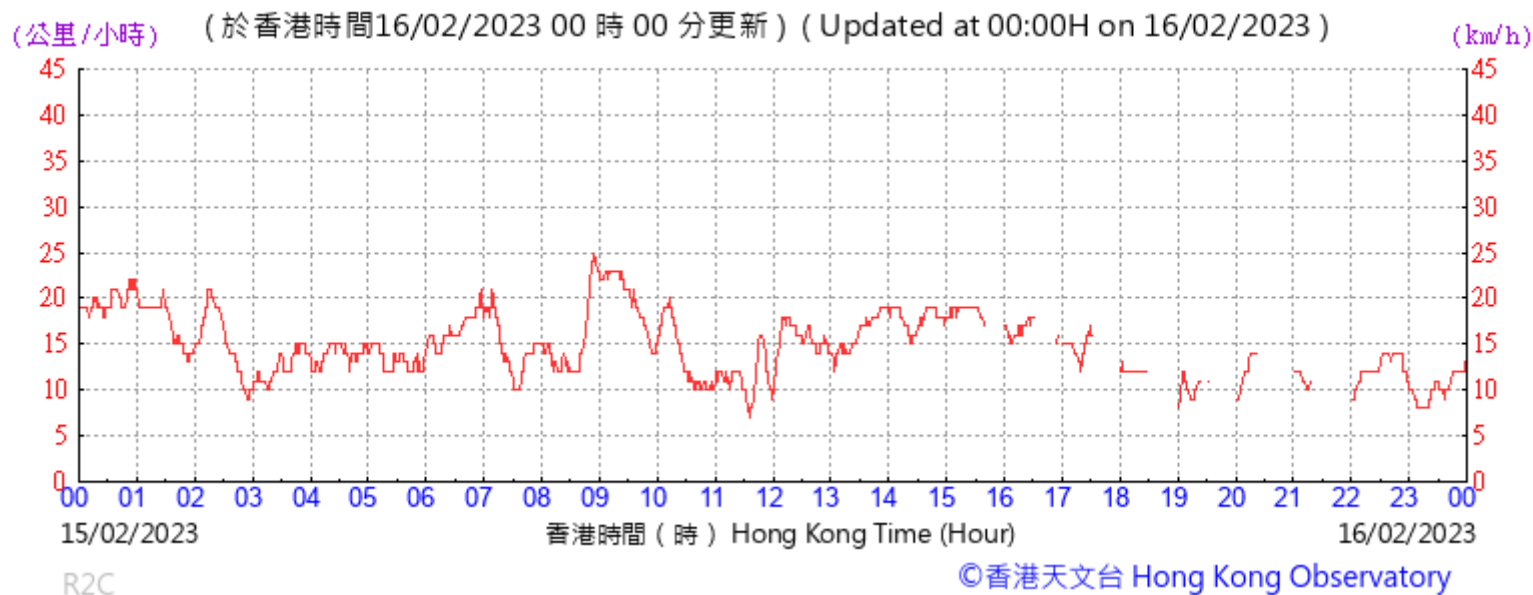
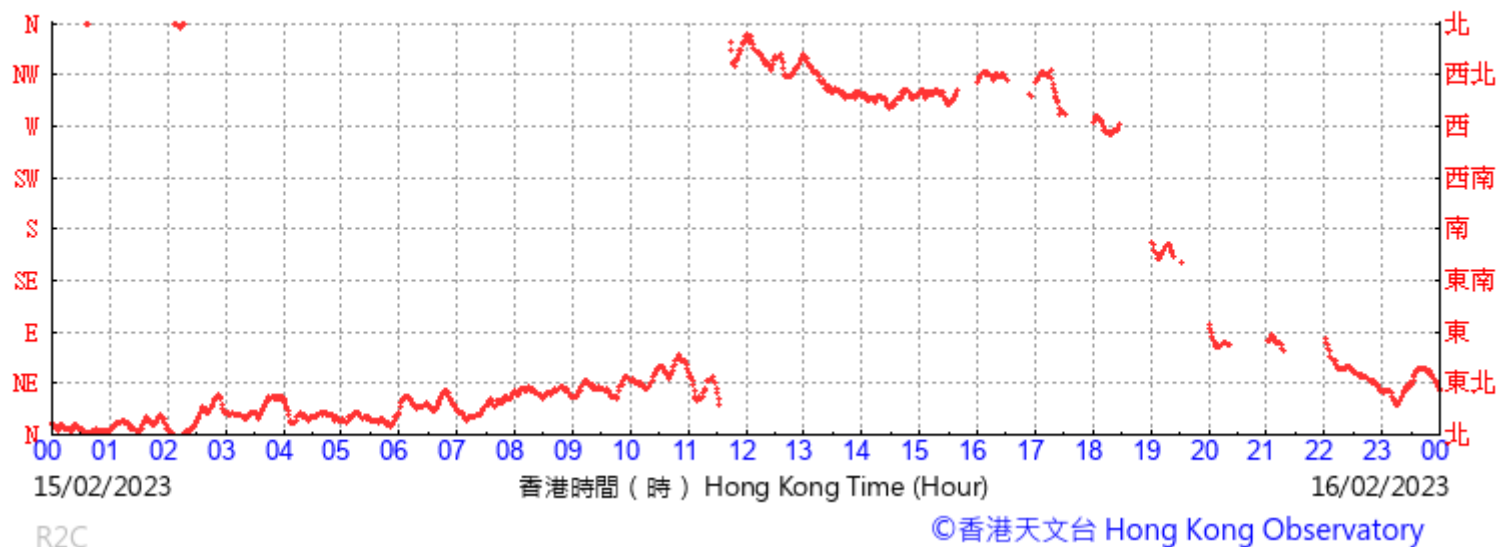
12 Feb 2023

(於香港時間13/02/2023 00 時 00 分更新) (Updated at 00:00H on 13/02/2023)



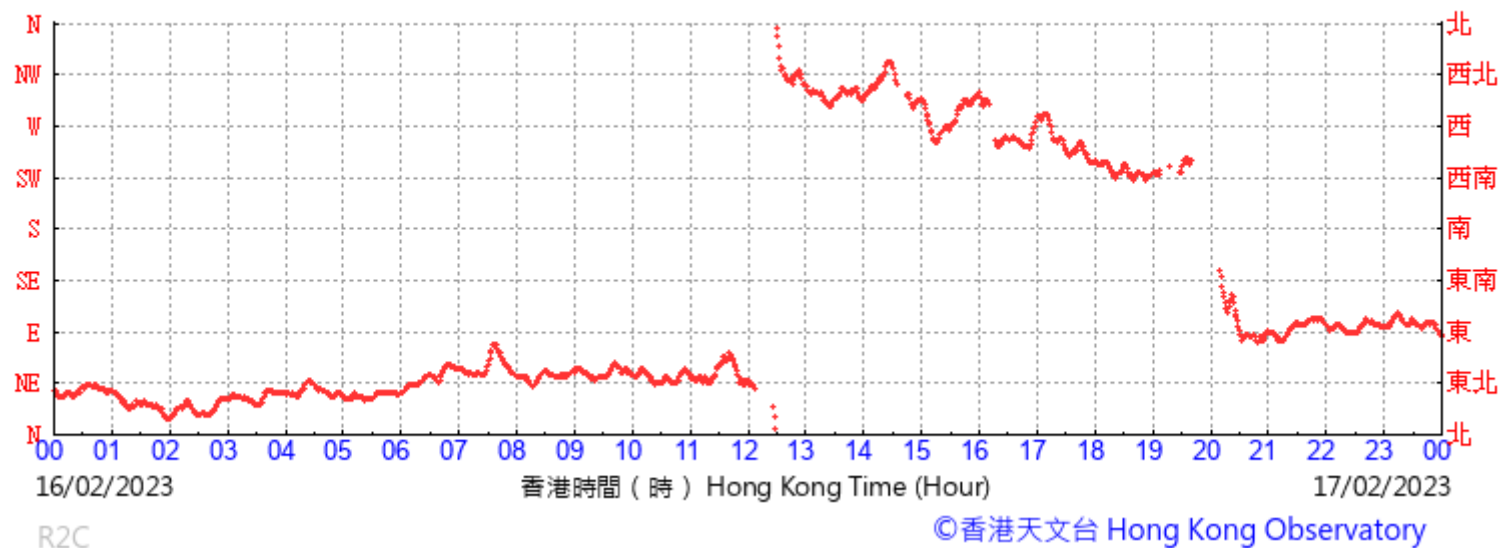
15 Feb 2023

(於香港時間16/02/2023 00 時 00 分更新) (Updated at 00:00H on 16/02/2023)

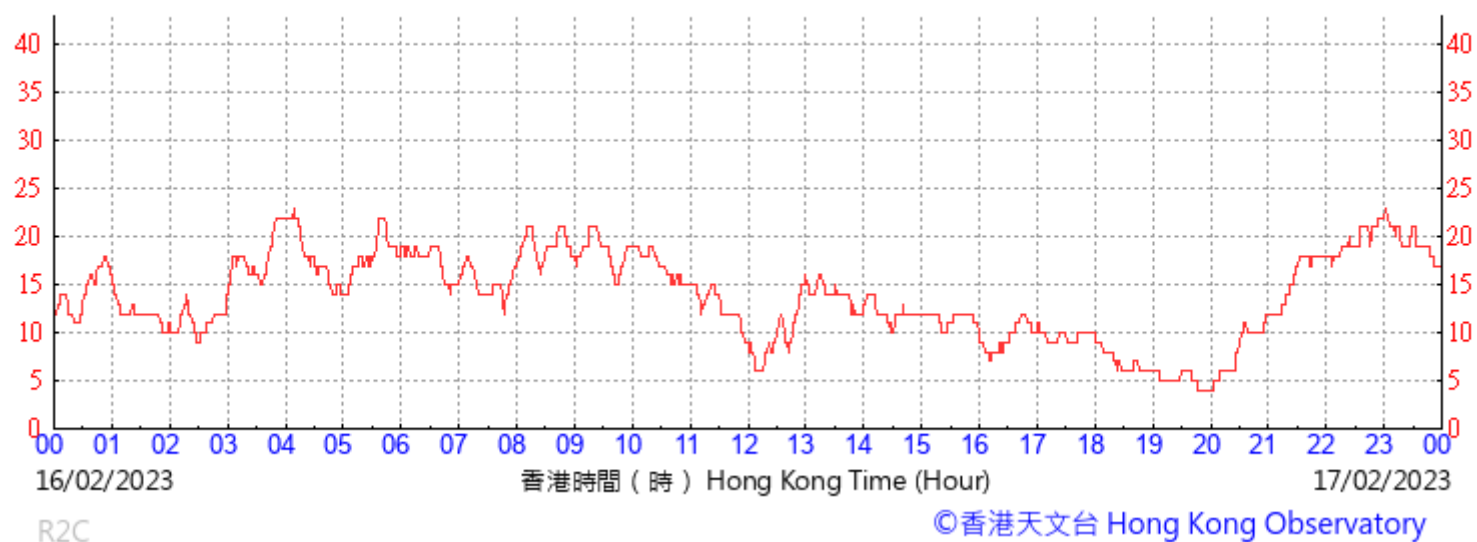


16 Feb 2023

(於香港時間17/02/2023 00 時 00 分更新) (Updated at 00:00H on 17/02/2023)

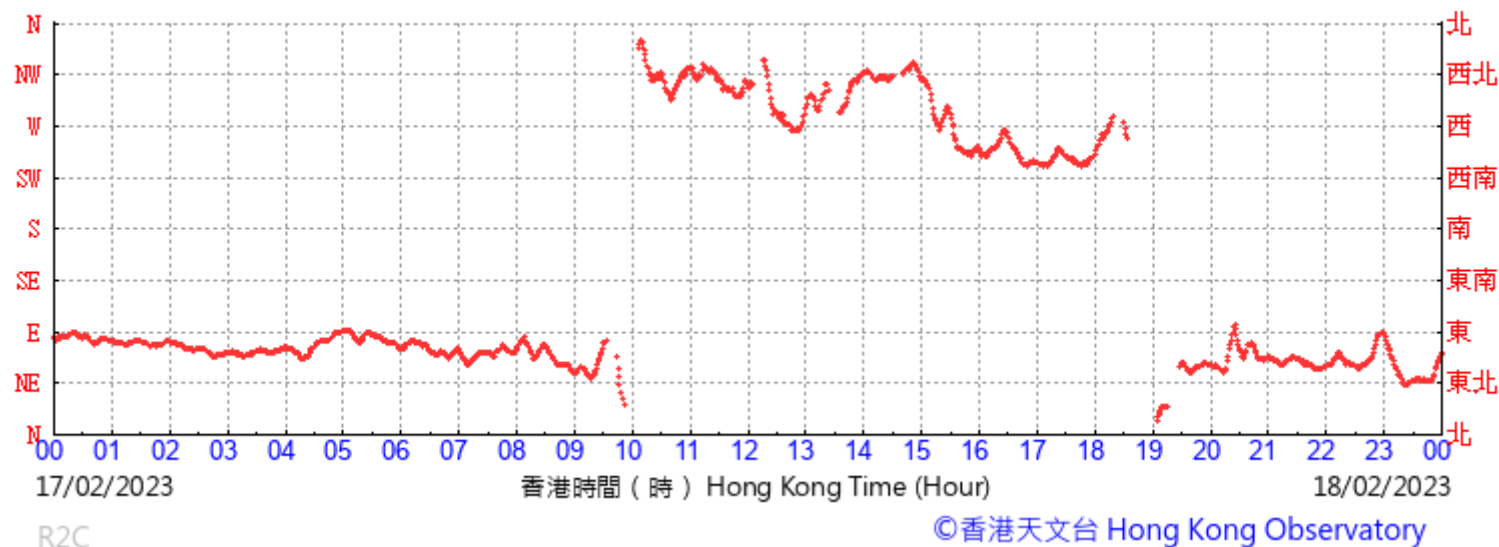


(公里/小時) (於香港時間17/02/2023 00 時 00 分更新) (Updated at 00:00H on 17/02/2023) (km/h)

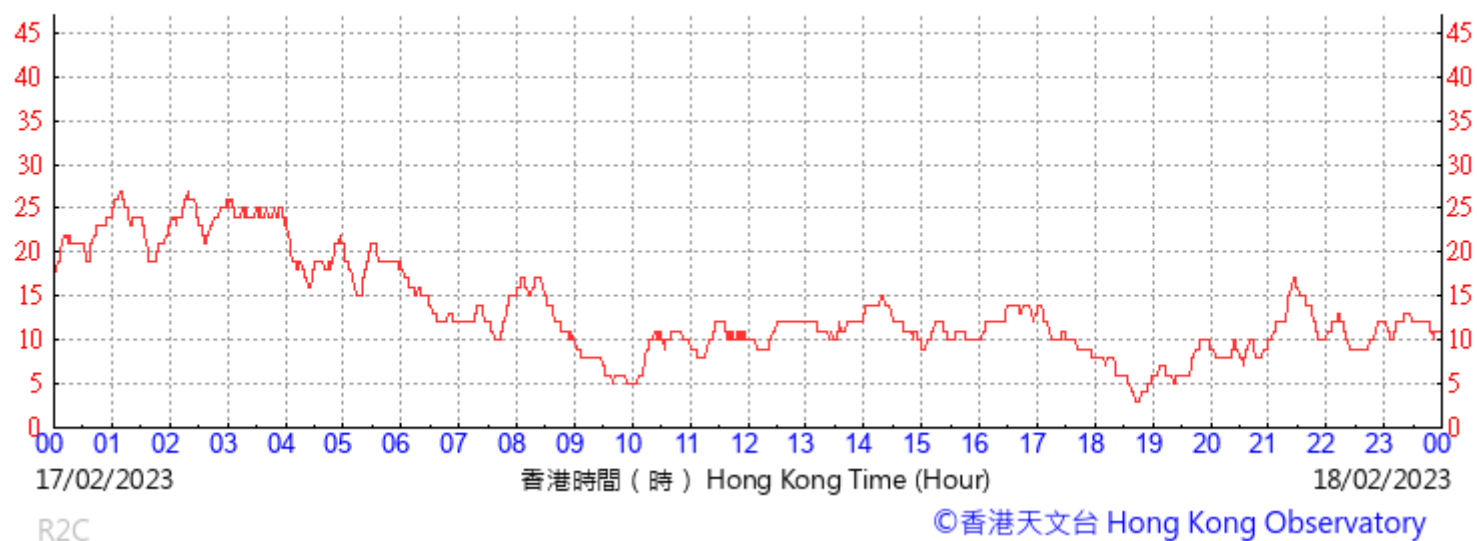


17 Feb 2023

(於香港時間18/02/2023 00 時 00 分更新) (Updated at 00:00H on 18/02/2023)

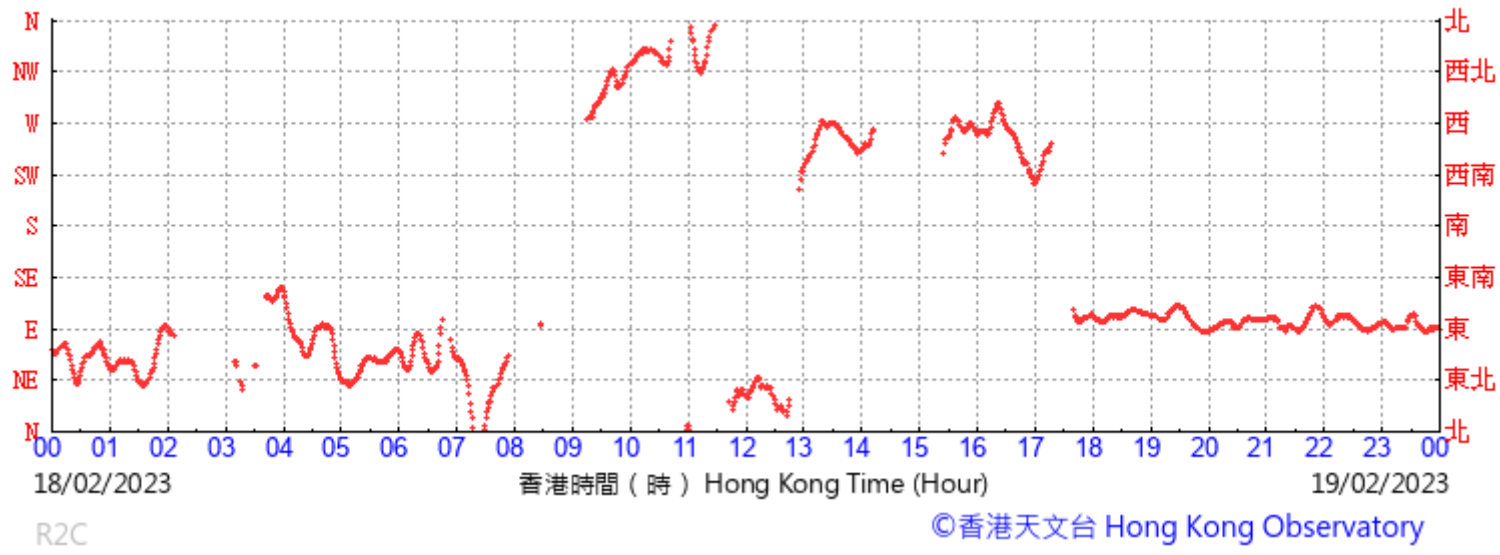


(公里/小時) (於香港時間18/02/2023 00 時 00 分更新) (Updated at 00:00H on 18/02/2023) (km/h)

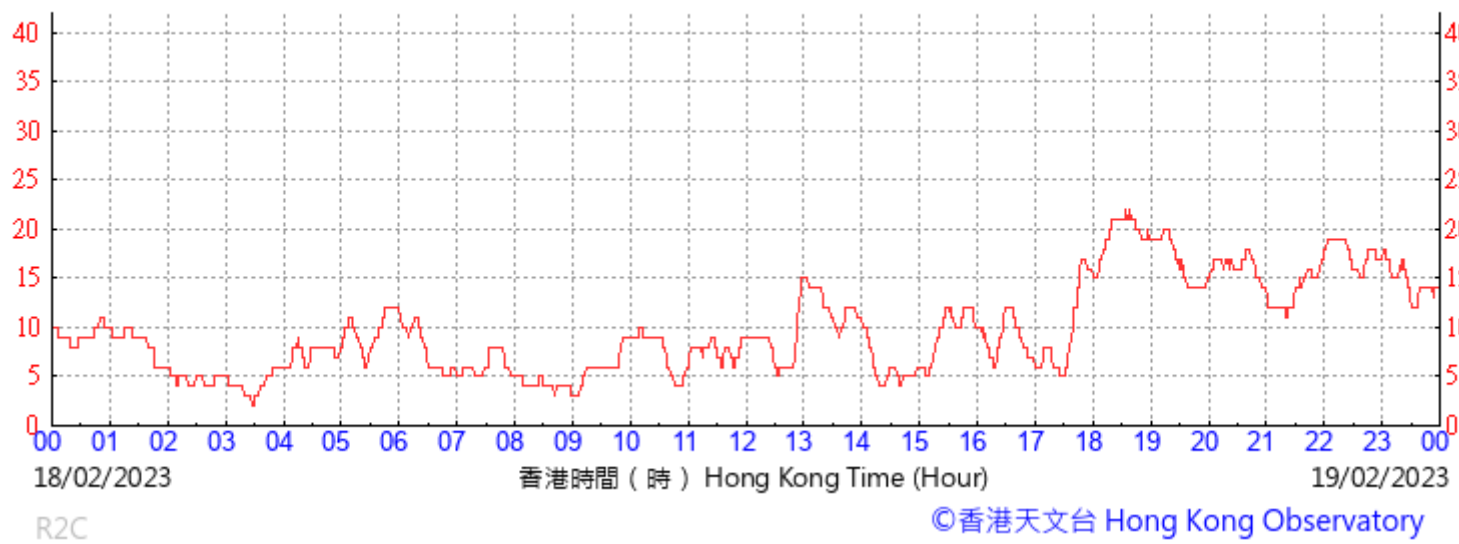


18 Feb 2023

(於香港時間19/02/2023 00 時 00 分更新) (Updated at 00:00H on 19/02/2023)

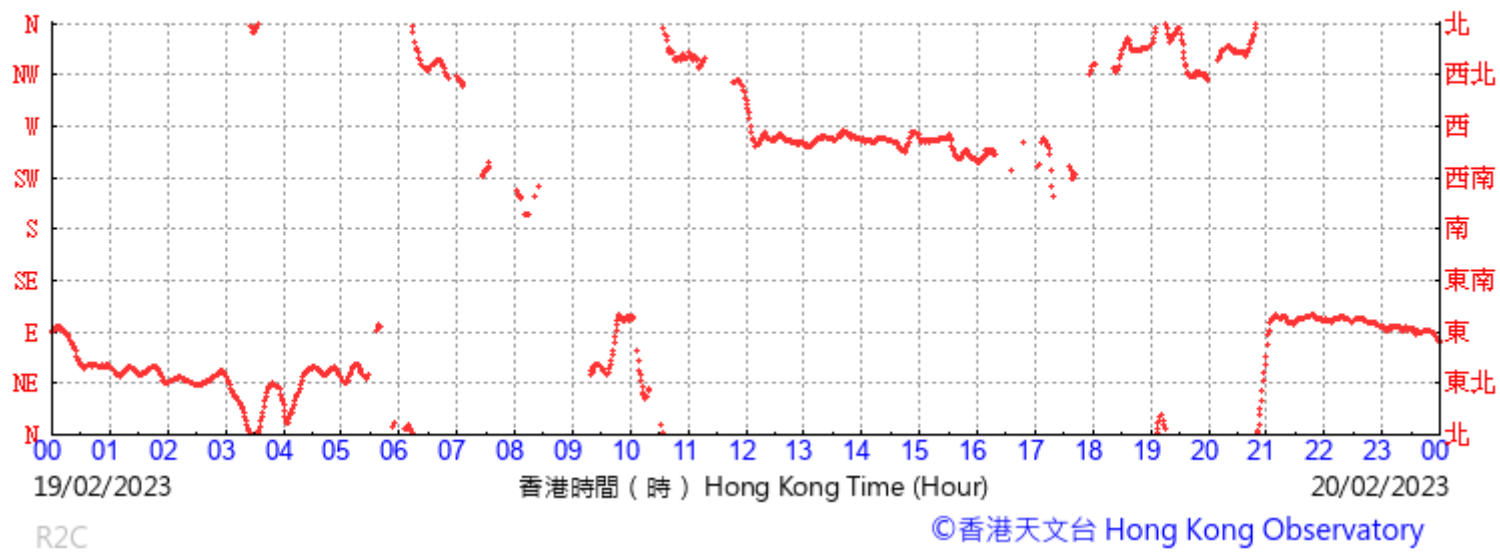


(公里/小時) (於香港時間19/02/2023 00 時 00 分更新) (Updated at 00:00H on 19/02/2023) (km/h)

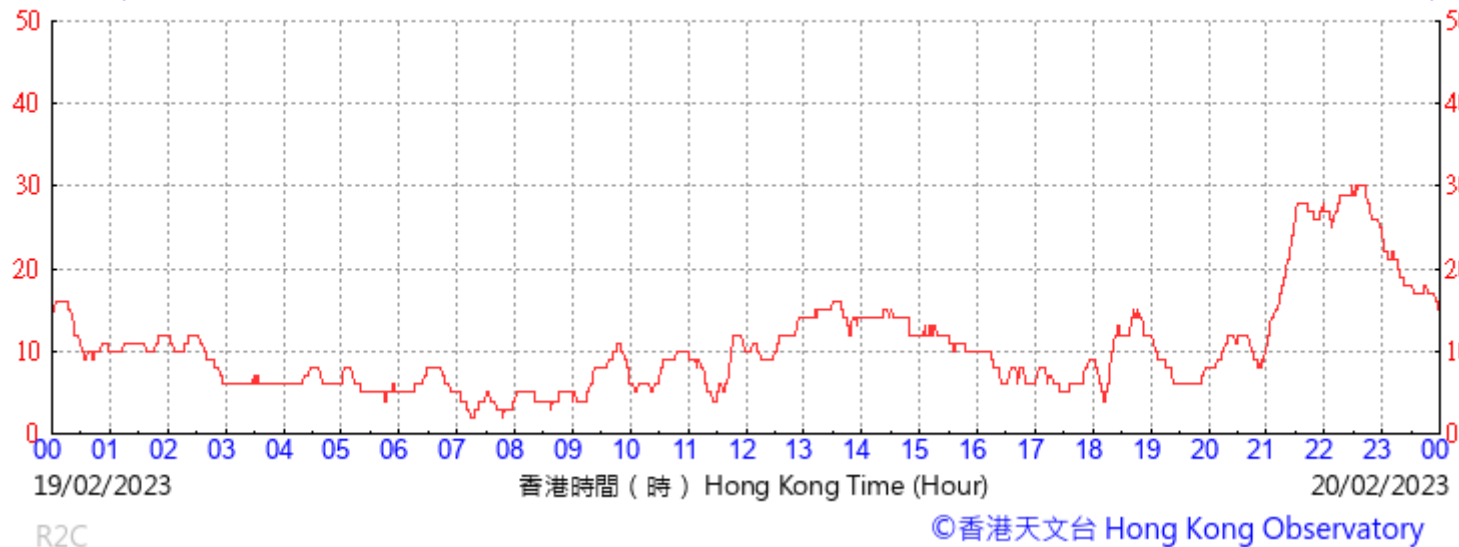


19 Feb 2023

(於香港時間20/02/2023 00 時 00 分更新) (Updated at 00:00H on 20/02/2023)

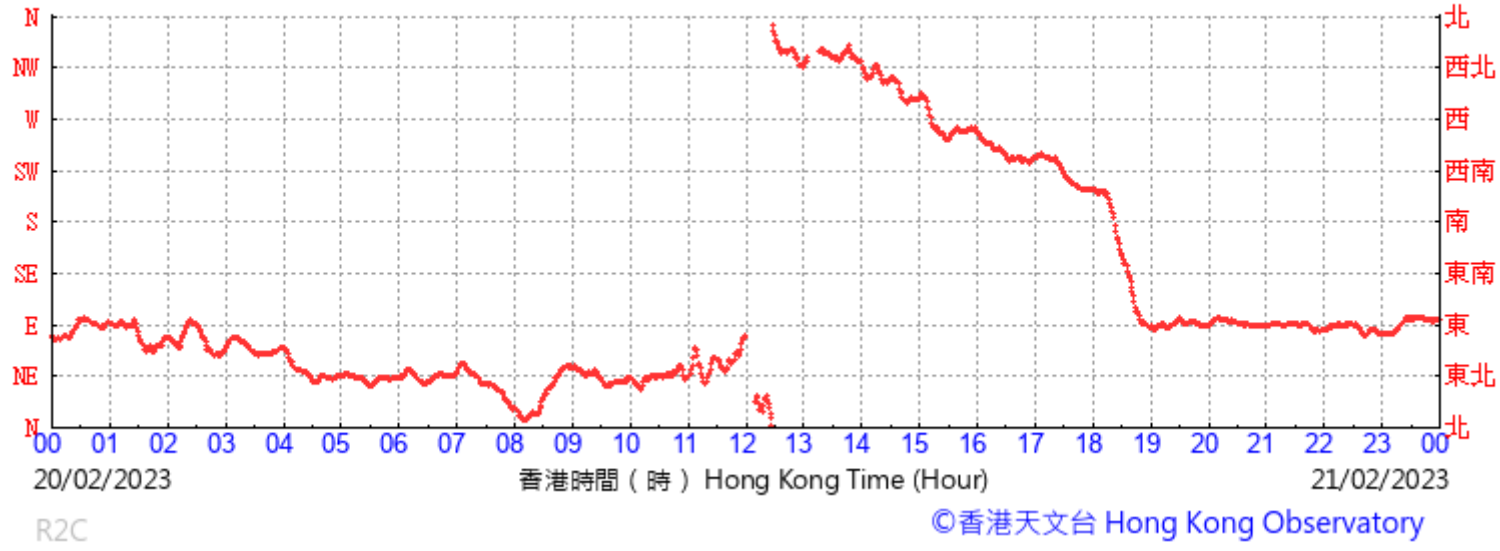


(公里/小時) (於香港時間20/02/2023 00 時 00 分更新) (Updated at 00:00H on 20/02/2023) (km/h)

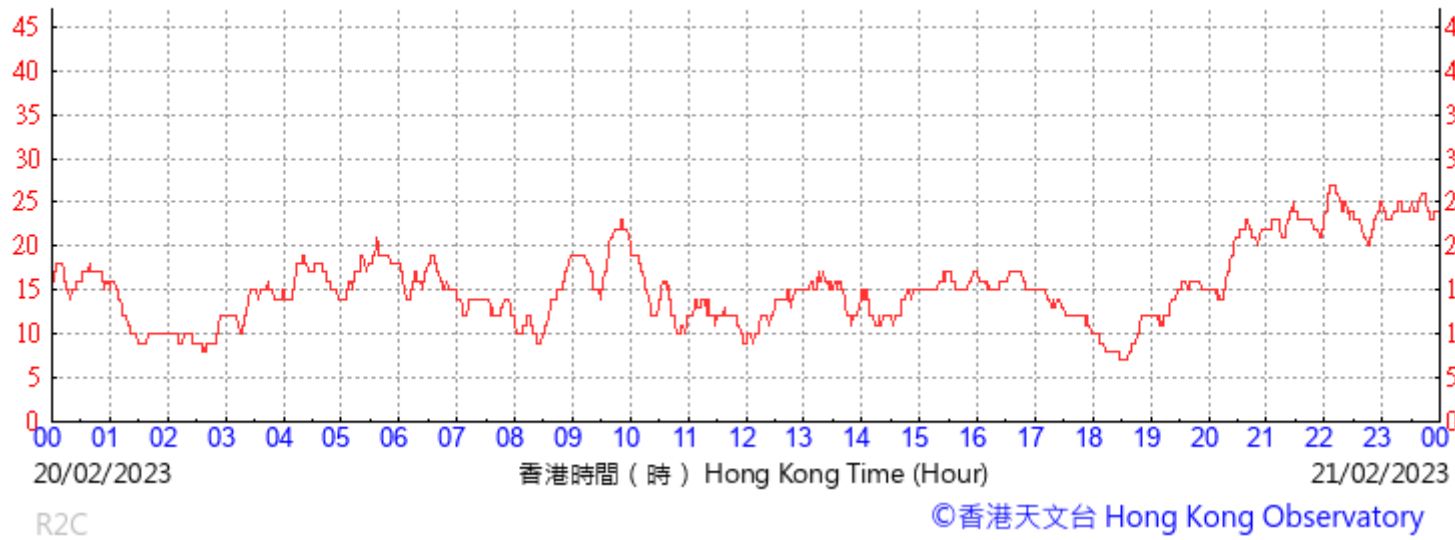


20 Feb 2023

(於香港時間21/02/2023 00 時 00 分更新) (Updated at 00:00H on 21/02/2023)



(公里/小時) (於香港時間21/02/2023 00 時 00 分更新) (Updated at 00:00H on 21/02/2023) (km/h)



21 Feb 2023

(於香港時間22/02/2023 00 時 00 分更新) (Updated at 00:00H on 22/02/2023)

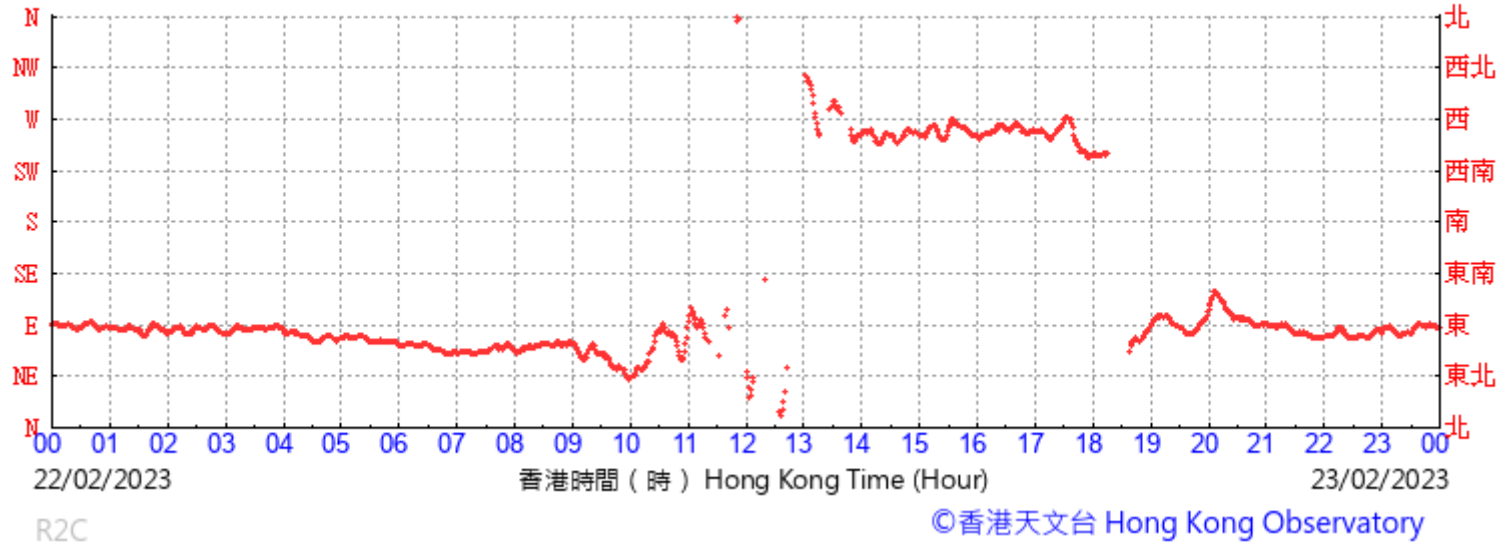


(公里/小時) (於香港時間22/02/2023 00 時 00 分更新) (Updated at 00:00H on 22/02/2023) (km/h)

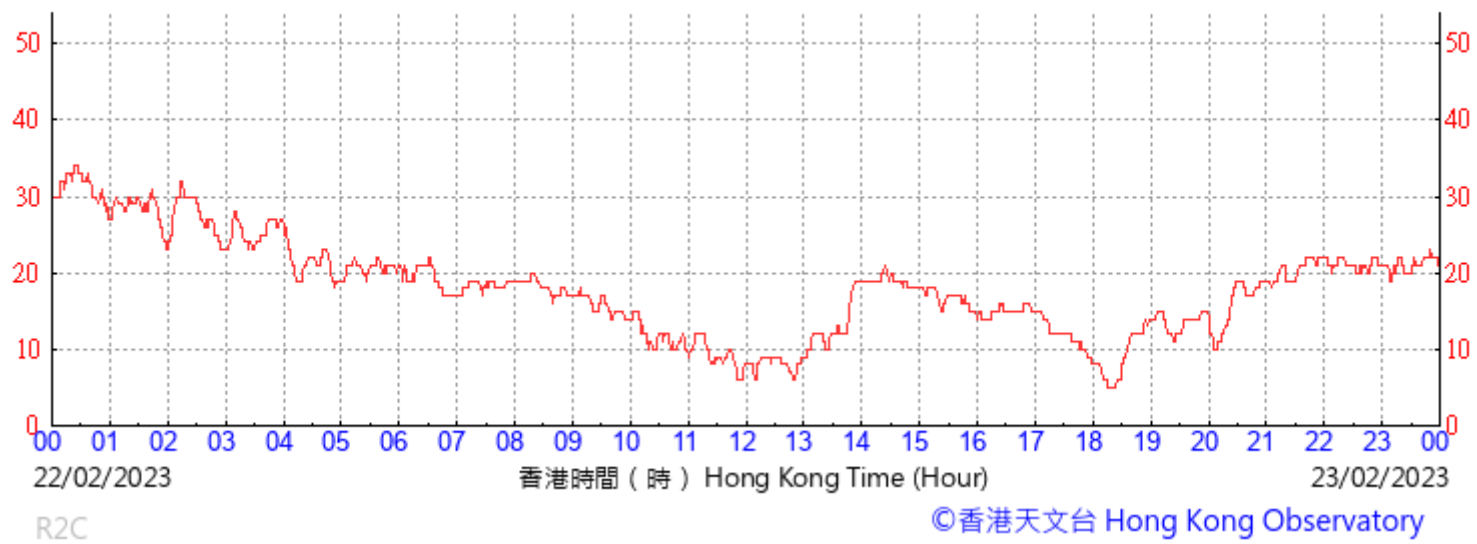


22 Feb 2023

(於香港時間23/02/2023 00 時 00 分更新) (Updated at 00:00H on 23/02/2023)

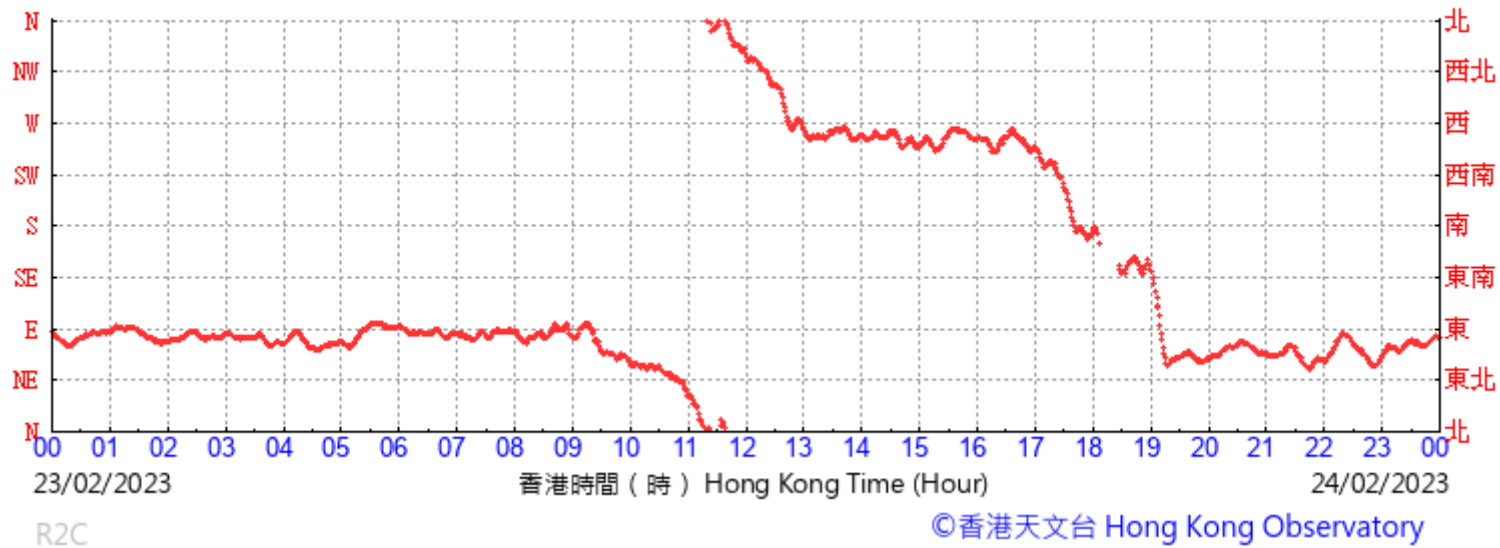


(公里/小時) (於香港時間23/02/2023 00 時 00 分更新) (Updated at 00:00H on 23/02/2023) (km/h)

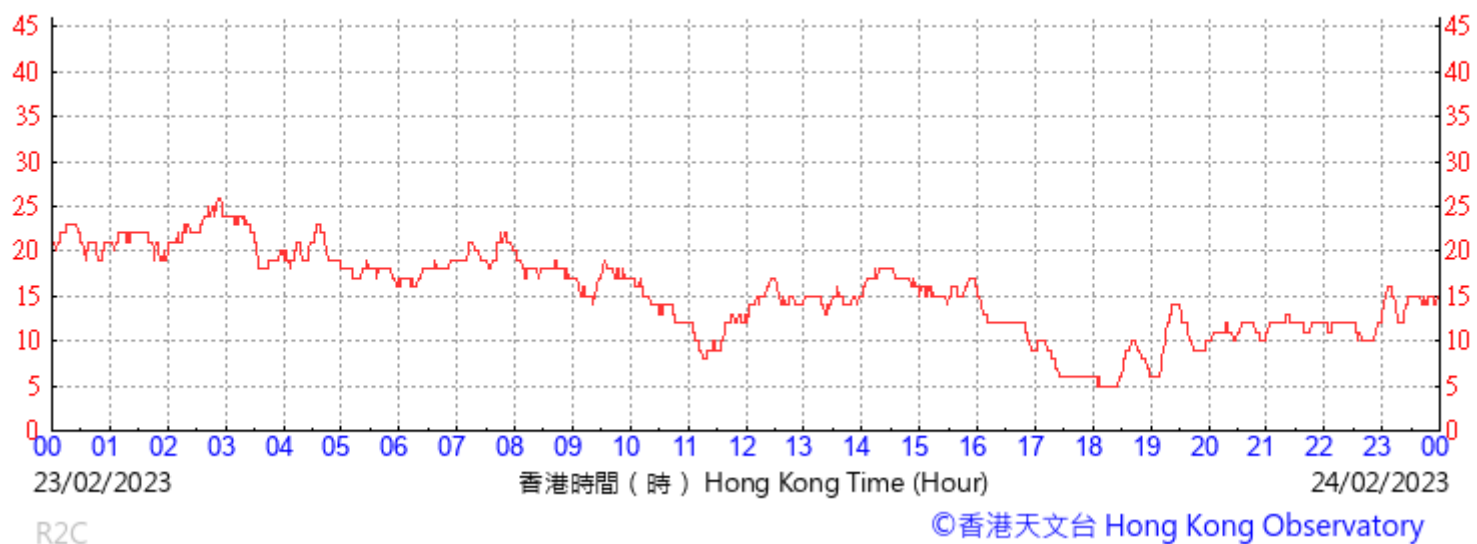


23 Feb 2023

(於香港時間24/02/2023 00 時 00 分更新) (Updated at 00:00H on 24/02/2023)

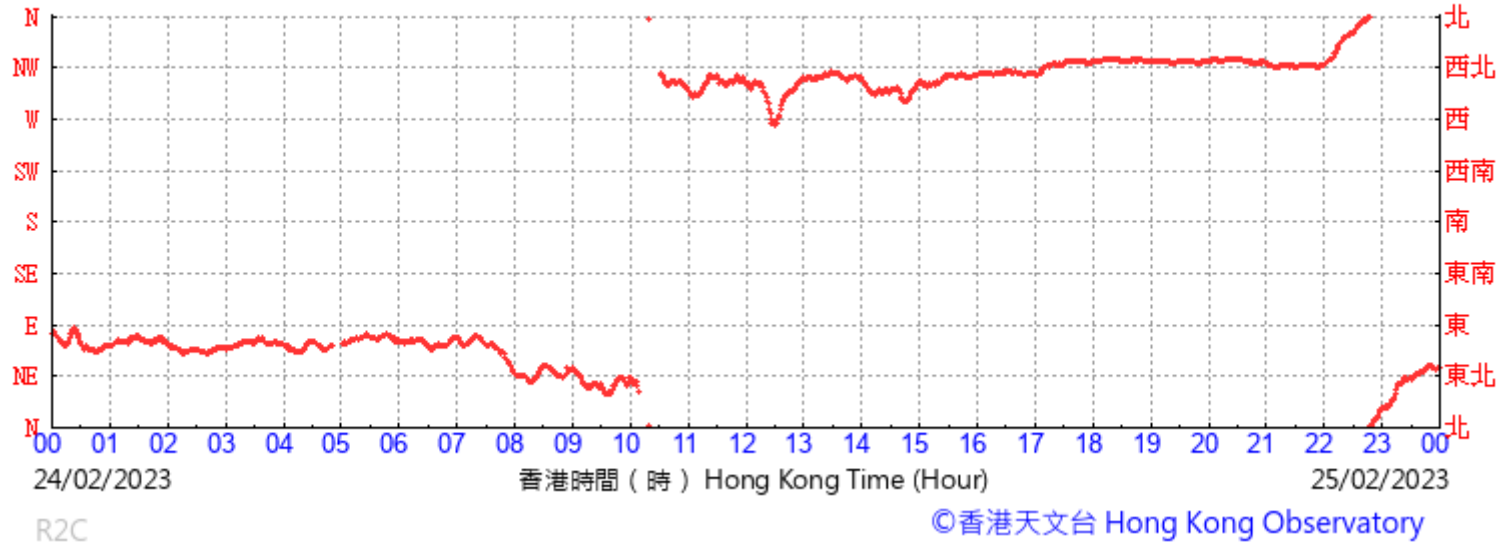


(公里/小時) (於香港時間24/02/2023 00 時 00 分更新) (Updated at 00:00H on 24/02/2023) (km/h)

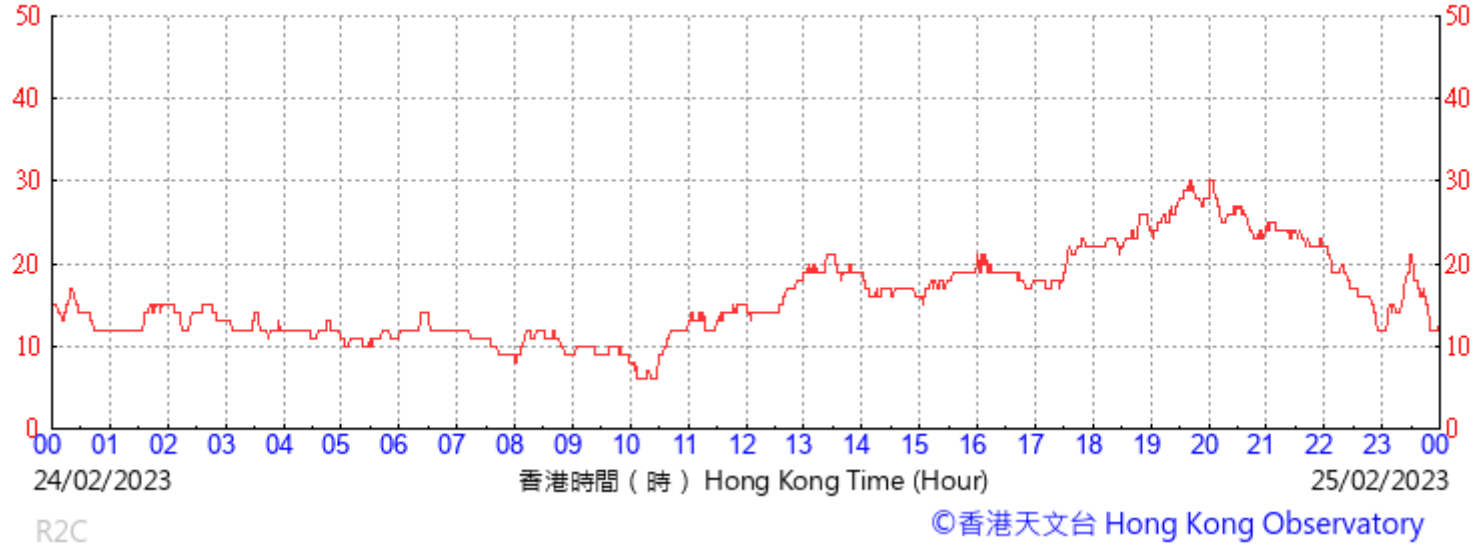


24 Feb 2023

(於香港時間25/02/2023 00 時 00 分更新) (Updated at 00:00H on 25/02/2023)

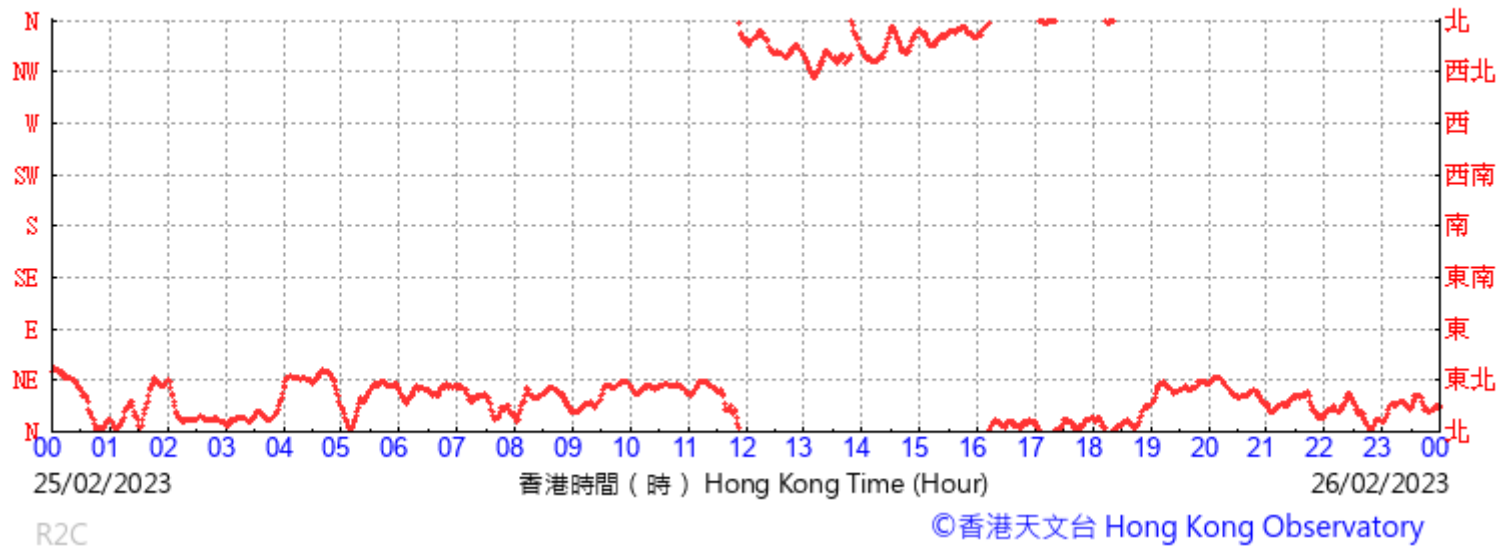


(公里/小時) (於香港時間25/02/2023 00 時 00 分更新) (Updated at 00:00H on 25/02/2023) (km/h)

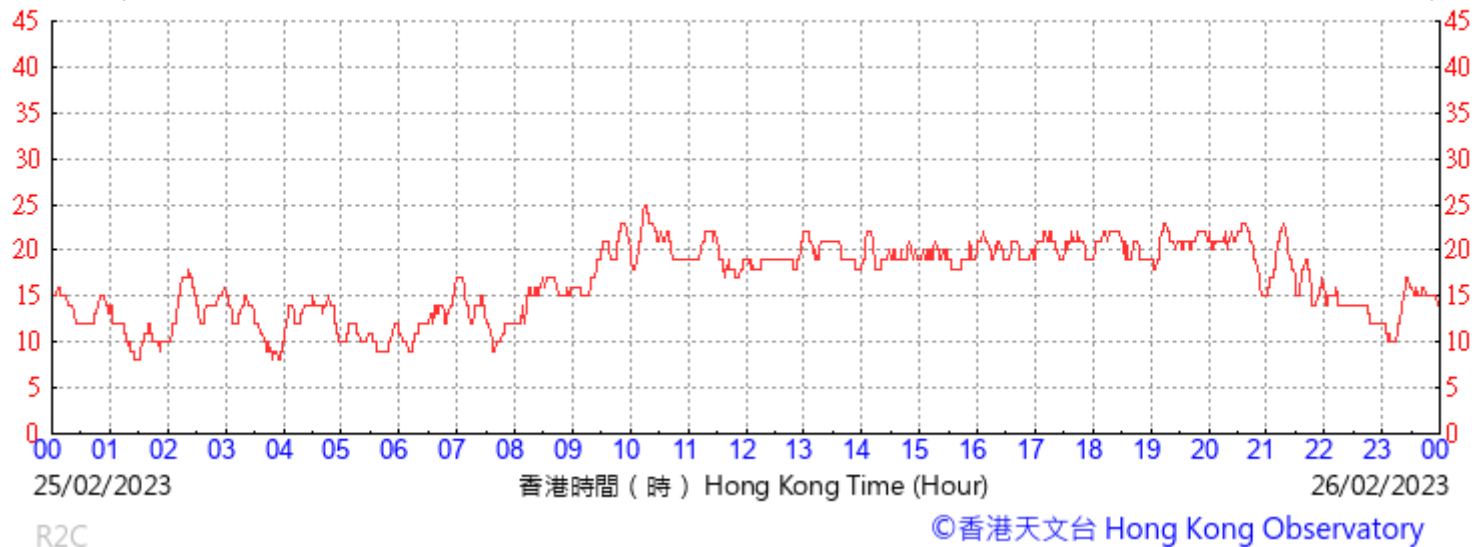


25 Feb 2023

(於香港時間26/02/2023 00 時 00 分更新) (Updated at 00:00H on 26/02/2023)

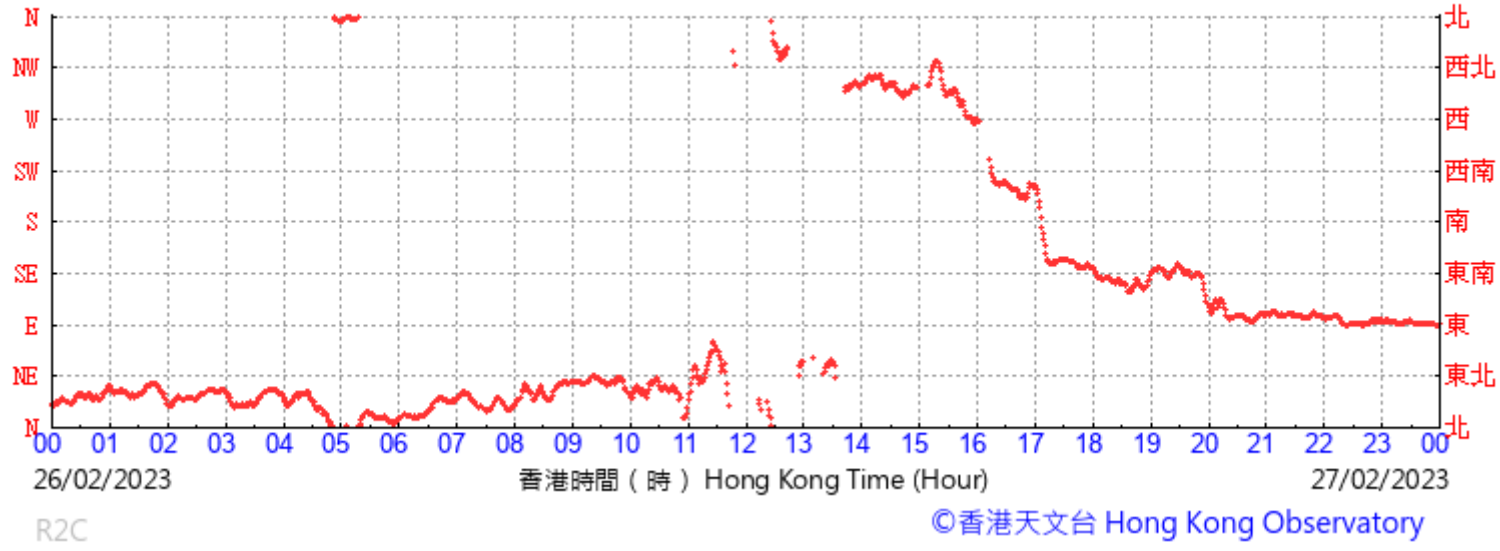


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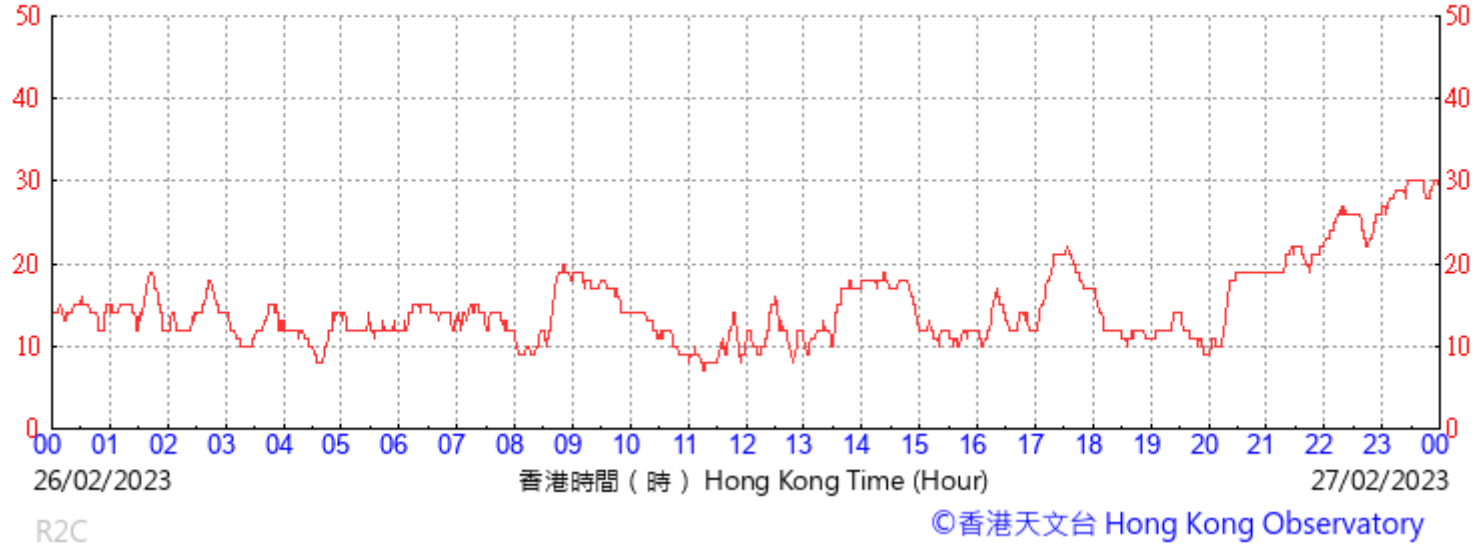


26 Feb 2023

(於香港時間27/02/2023 00 時 00 分更新) (Updated at 00:00H on 27/02/2023)

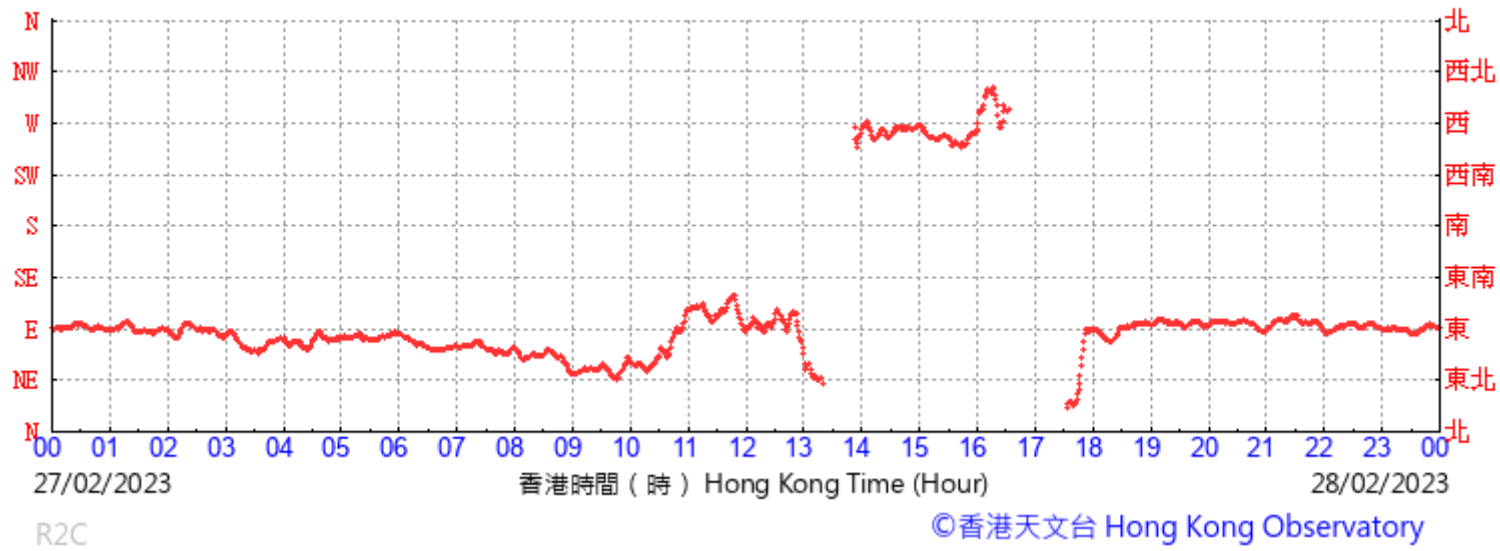


(公里/小時) (於香港時間27/02/2023 00 時 00 分更新) (Updated at 00:00H on 27/02/2023) (km/h)

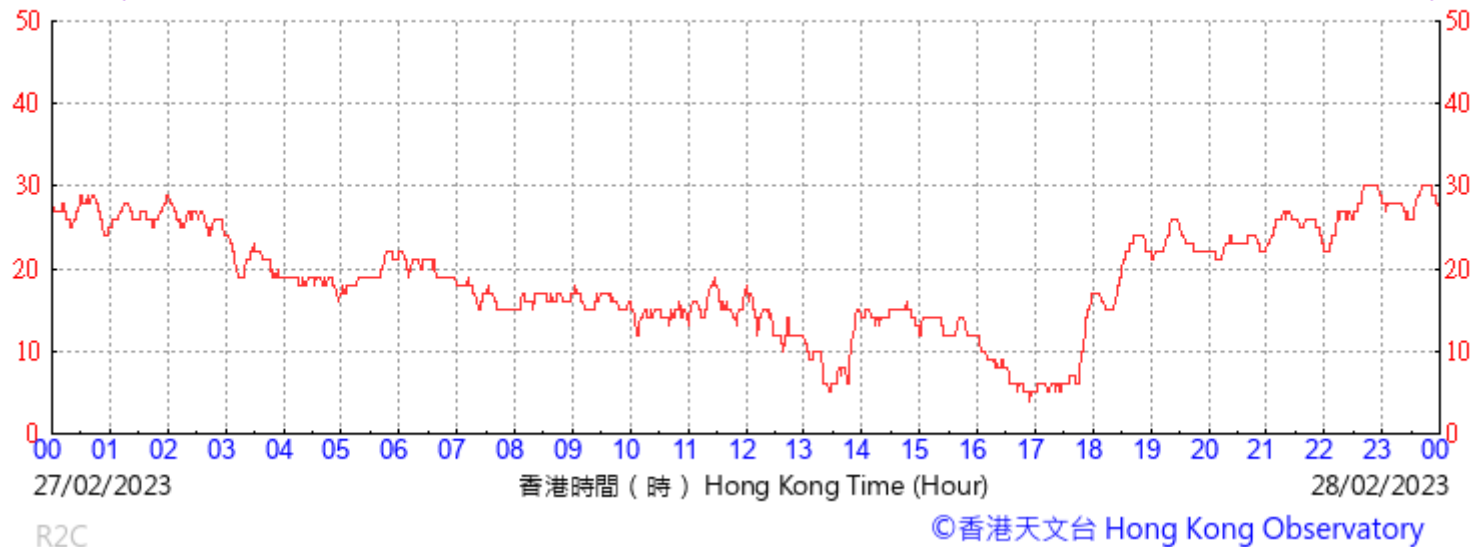


27 Feb 2023

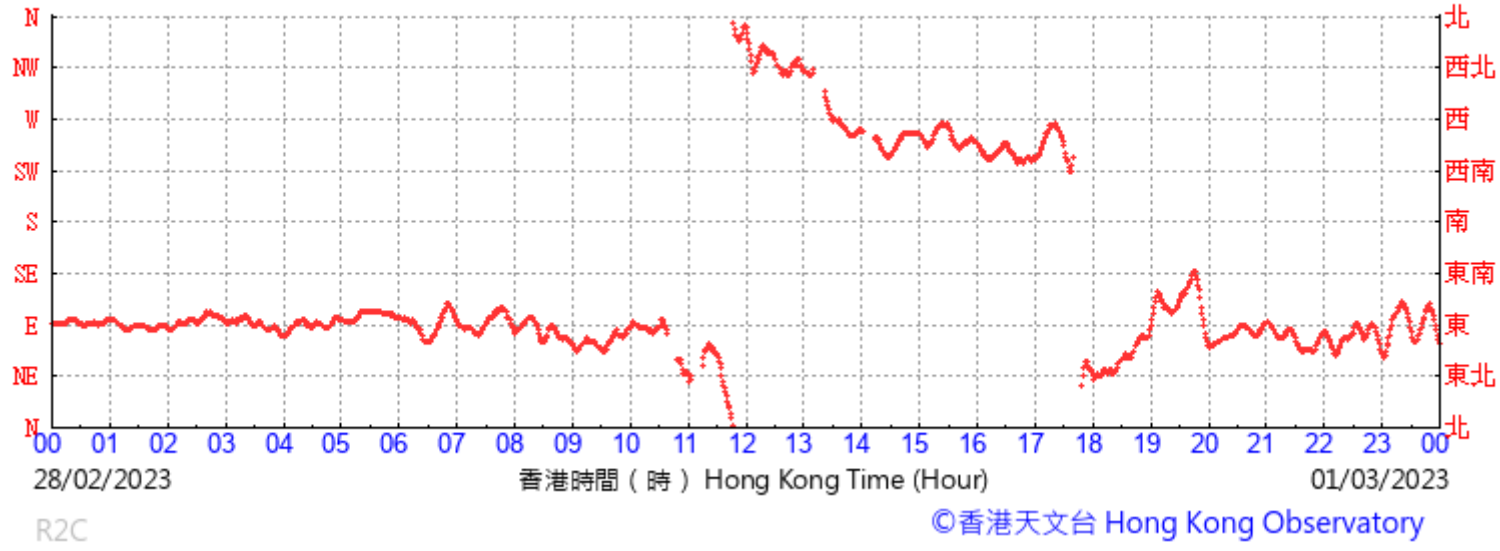
(於香港時間28/02/2023 00 時 00 分更新) (Updated at 00:00H on 28/02/2023)



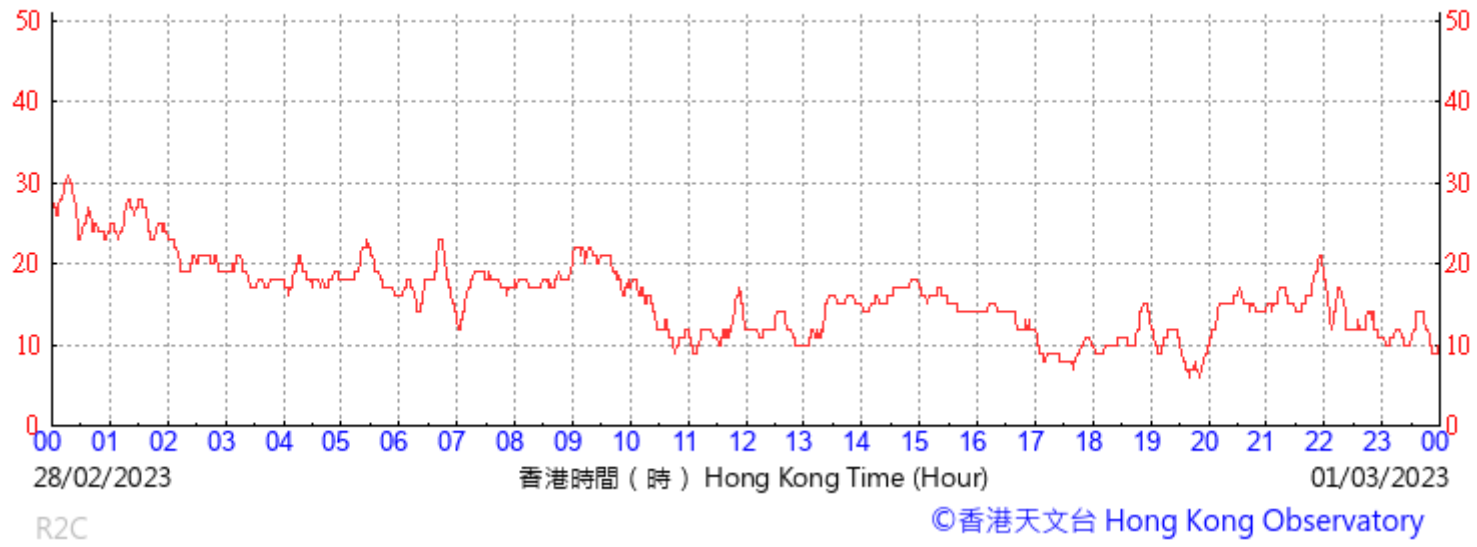
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(於香港時間01/03/2023 00 時 00 分更新) (Updated at 00:00H on 01/03/2023)



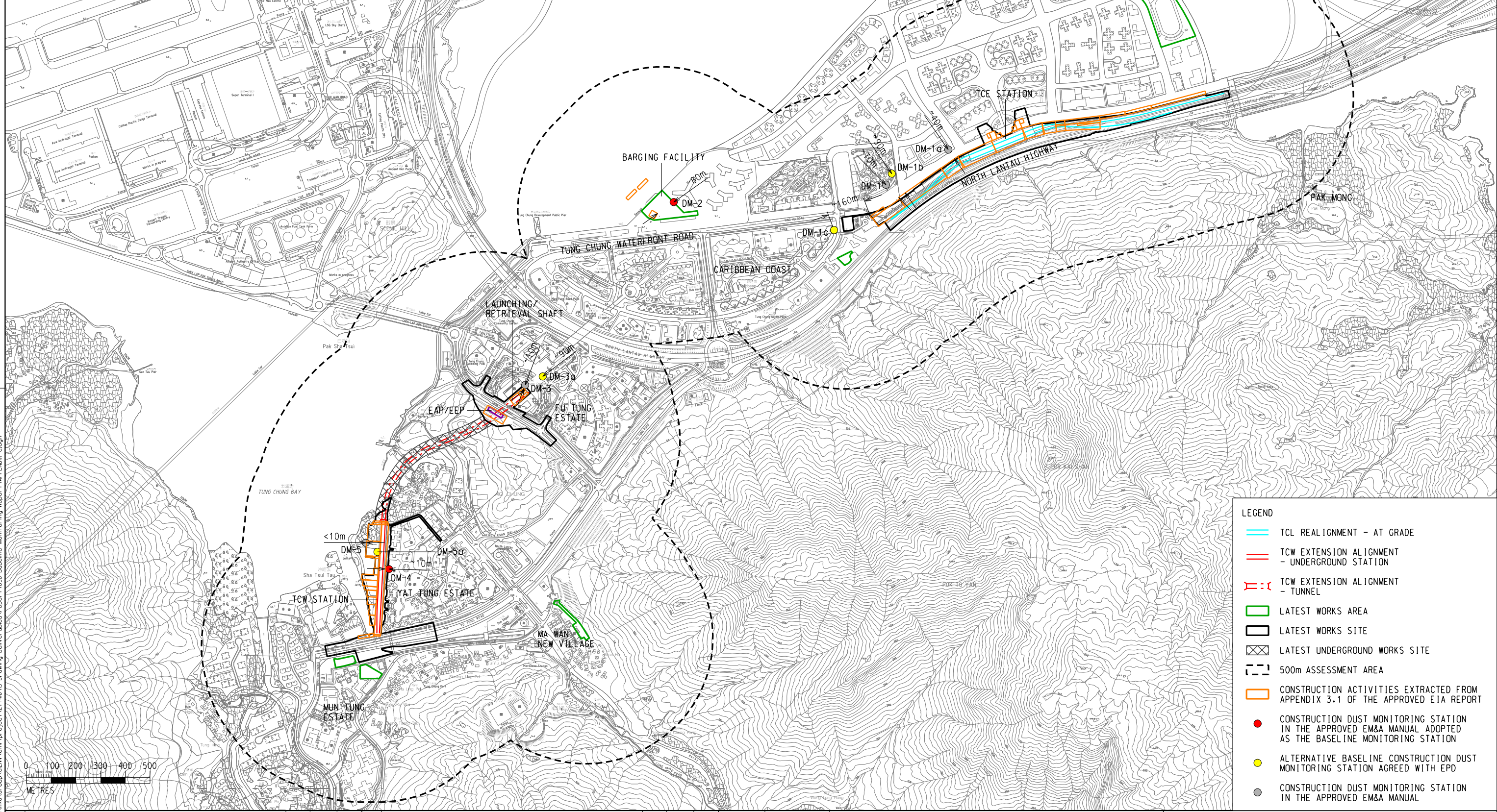
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Appendix C

Locations of Baseline Construction Dust Monitoring Stations

Alternative Monitoring Station ID	Monitoring Station ID in the approved EM&A Manual	Monitoring Parameter	Location	Approximate Horizontal Distance from the nearest Construction Activities (m)
DM-1b	DM-1	Baseline monitoring	G/f of Ying Yuet House	~90
DM-1c	DM-1a	Baseline monitoring	G/f of Caribbean Coast	~160
N/A	DM-2	Baseline and impact monitoring	Sheraton Hong Kong Tung Chung Hotel Shopping Mall	~80
DM-3a	DM-3	Baseline monitoring	Area next to Tung Chung Station	~90
N/A	DM-4	Baseline and impact monitoring	Yat Tung Shopping Centre	~10
DM-5a	DM-5	Baseline monitoring	Ma Wan Chung Village	<10



LEGEND

- TCL REALIGNMENT - AT GRADE
- TCW EXTENSION ALIGNMENT - UNDERGROUND STATION
- - - TCW EXTENSION ALIGNMENT - TUNNEL
- LATEST WORKS AREA
- LATEST WORKS SITE
- LATEST UNDERGROUND WORKS SITE
- 500m ASSESSMENT AREA
- CONSTRUCTION DUST MONITORING STATION IN THE APPROVED EM&A MANUAL ADOPTED AS THE BASELINE MONITORING STATION
- ALTERNATIVE BASELINE CONSTRUCTION DUST MONITORING STATION AGREED WITH EPD
- CONSTRUCTION DUST MONITORING STATION IN THE APPROVED EM&A MANUAL

G:\common\mtr\ostation_s\standard\plot\drw\hpc_arup\h3_c3\pdf_c.env\pht
 MODELNAME: ARUP\Group\LENN\env\project\21746\13_Drawing_Deliverables\report\US8_Baseline_Monitoring_Report\APPENDIX_C.dgn
 PLOT DATE: 5/7/2023 4:40:52 PM
 FILENAME:

REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	21/04/23	FC

DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	21/04/2023

C1202 - EIA for Tung Chung Line Extension
 ORIGINATOR
 Ove Arup & Partners
 Hong Kong Limited
 CADD REF. APPENDIX C.dgn

TITLE	LOCATIONS OF BASELINE CONSTRUCTION DUST MONITORING STATIONS	
SCALE	AS SHOWN	DRAWING NO. APPENDIX C
REV.	A	

Appendix D

Detailed 1-hour TSP Monitoring Results

1-hour TSP Monitoring Results

Monitoring Station ID: G/F of Ying Yuet House (DM-1b)

Date	Time (Start)	Time (Finish)	Weather	1-hour TSP Conc. ($\mu\text{g}/\text{m}^3$)
30/01/2023	10:30	11:30	Fine	184
30/01/2023	11:30	12:30	Fine	163
30/01/2023	13:30	14:30	Fine	141
31/01/2023	10:10	11:10	Fine	248
31/01/2023	11:10	12:10	Fine	133
31/01/2023	12:10	13:10	Fine	137
01/02/2023	9:10	10:10	Fine	174
01/02/2023	11:10	12:10	Fine	126
01/02/2023	12:25	13:25	Fine	87
02/02/2023	8:50	9:50	Fine	170
02/02/2023	9:57	10:57	Fine	105
02/02/2023	13:12	14:12	Fine	288
03/02/2023	9:37	10:37	Fine	290
03/02/2023	11:25	12:25	Fine	109
03/02/2023	12:00	13:00	Fine	127
04/02/2023	9:20	10:20	Fine	132
04/02/2023	10:30	11:30	Fine	77
04/02/2023	11:35	12:35	Fine	87
05/02/2023	8:00	9:00	Fine	100
05/02/2023	9:00	10:00	Fine	101
05/02/2023	10:00	11:00	Fine	68
06/02/2023	9:00	10:00	Fine	117
06/02/2023	10:00	11:00	Fine	87
06/02/2023	11:00	12:00	Fine	125
07/02/2023	10:46	11:46	Fine	140
07/02/2023	12:07	13:07	Fine	103
07/02/2023	13:32	14:32	Fine	97
08/02/2023	8:50	9:50	Fine	136
08/02/2023	9:57	10:57	Fine	62
08/02/2023	1:32	2:32	Fine	65
09/02/2023	9:00	10:00	Fine	71
09/02/2023	10:10	11:10	Fine	72
09/02/2023	11:15	12:15	Fine	90
10/02/2023	9:00	10:00	Fine	111
10/02/2023	10:15	11:15	Fine	95
10/02/2023	11:20	12:20	Fine	137
11/02/2023	9:40	10:40	Fine	40
11/02/2023	10:55	11:55	Fine	36
11/02/2023	12:00	13:00	Fine	63
12/02/2023	8:00	9:00	Fine	113
12/02/2023	9:00	10:00	Fine	83
12/02/2023	10:00	11:00	Fine	128

1-hour TSP Monitoring Results

Monitoring Station ID: G/F of Caribbean Coast (DM-1c)

Date	Time (Start)	Time (Finish)	Weather	1-hour TSP Conc. ($\mu\text{g}/\text{m}^3$) ^[1]
29/12/2022	11:30	12:30	Fine	246
29/12/2022	14:00	15:00	Fine	239
29/12/2022	15:23	16:23	Fine	228
30/12/2022	10:56	11:56	Fine	Maintenance
30/12/2022	12:15	13:15	Fine	
30/12/2022	13:22	14:22	Fine	
31/12/2022	9:50	10:50	Fine	166
31/12/2022	10:50	11:50	Fine	101
31/12/2022	11:53	12:53	Fine	123
01/01/2023	8:45	9:45	Fine	127
01/01/2023	9:48	10:48	Fine	130
01/01/2023	10:50	11:50	Fine	125
02/01/2023	8:00	9:00	Fine	155
02/01/2023	9:03	10:03	Fine	89
02/01/2023	10:04	11:04	Fine	114
03/01/2023	10:30	11:30	Fine	221
03/01/2023	11:36	12:36	Fine	199
03/01/2023	12:52	13:52	Fine	163
04/01/2023	8:30	9:30	Fine	123
04/01/2023	9:33	10:33	Fine	247
04/01/2023	10:35	11:35	Fine	109
05/01/2023	8:43	9:43	Fine	180
05/01/2023	9:45	10:45	Fine	167
05/01/2023	10:47	11:47	Fine	139
06/01/2023	8:30	9:30	Fine	208
06/01/2023	9:33	10:33	Fine	167
06/01/2023	10:40	11:40	Fine	134
07/01/2023	9:00	10:00	Fine	174
07/01/2023	10:02	11:02	Fine	230
07/01/2023	11:05	12:05	Fine	159
08/01/2023	8:30	9:30	Fine	120
08/01/2023	9:32	10:32	Fine	81
08/01/2023	10:40	11:40	Fine	79
09/01/2023	8:40	9:40	Fine	134
09/01/2023	9:43	10:43	Fine	151
09/01/2023	11:55	12:55	Fine	174
10/01/2023	10:43	11:43	Fine	276
10/01/2023	12:31	13:31	Fine	79
10/01/2023	14:26	15:26	Fine	82
11/01/2023	9:57	10:57	Fine	64
11/01/2023	10:59	11:59	Fine	45
11/01/2023	13:01	14:01	Fine	52
12/01/2023	9:10	10:10	Fine	59
12/01/2023	10:12	11:12	Fine	55
12/01/2023	11:15	12:15	Fine	57

Note:

[1] The data in grey is excluded due to equipment maintenance.

1-hour TSP Monitoring Results

Monitoring Station ID: Sheraton Hong Kong Tung Chung Hotel Shopping Mall (DM-2)

Date	Time (Start)	Time (Finish)	Weather	1-hour TSP Conc. ($\mu\text{g}/\text{m}^3$)
29/12/2022	13:40	14:40	Fine	225
29/12/2022	14:55	15:55	Fine	84
29/12/2022	16:05	17:05	Fine	124
30/12/2022	10:35	11:35	Fine	217
30/12/2022	12:03	13:03	Fine	100
30/12/2022	13:08	14:08	Fine	111
31/12/2022	10:06	11:06	Fine	78
31/12/2022	11:08	12:08	Fine	111
31/12/2022	12:10	13:10	Fine	116
01/01/2023	8:30	9:30	Fine	138
01/01/2023	9:30	10:30	Fine	88
01/01/2023	10:30	11:30	Fine	119
02/01/2023	8:20	9:20	Fine	113
02/01/2023	9:20	10:20	Fine	83
02/01/2023	10:25	11:25	Fine	86
03/01/2023	10:01	11:01	Fine	193
03/01/2023	11:28	12:28	Fine	132
03/01/2023	13:33	14:33	Fine	157
04/01/2023	8:00	9:00	Fine	120
04/01/2023	9:20	10:20	Fine	245
04/01/2023	10:23	11:23	Fine	83
05/01/2023	8:57	9:57	Fine	102
05/01/2023	9:57	10:57	Fine	123
05/01/2023	10:57	11:57	Fine	79
06/01/2023	8:45	9:45	Fine	124
06/01/2023	9:50	10:50	Fine	55
06/01/2023	10:55	11:55	Fine	87
07/01/2023	9:15	10:15	Fine	112
07/01/2023	10:17	11:17	Fine	171
07/01/2023	11:20	12:20	Fine	135
08/01/2023	8:45	9:45	Fine	95
08/01/2023	9:50	10:50	Fine	73
08/01/2023	10:55	11:55	Fine	79
09/01/2023	8:53	9:53	Fine	141
09/01/2023	9:53	10:53	Fine	119
09/01/2023	12:20	13:20	Fine	91
10/01/2023	10:54	11:54	Fine	149
10/01/2023	12:49	13:49	Fine	140
10/01/2023	14:46	15:46	Fine	110
11/01/2023	9:40	10:40	Fine	94
11/01/2023	10:40	11:40	Fine	67
11/01/2023	11:40	12:40	Fine	50

1-hour TSP Monitoring Results

Monitoring Station ID: Area next to Tung Chung Station (DM-3a)

Date	Time (Start)	Time (Finish)	Weather	1-hour TSP Conc. ($\mu\text{g}/\text{m}^3$)
15/02/2023	9:50	10:50	Fine	139
15/02/2023	10:51	11:51	Fine	144
15/02/2023	11:51	12:51	Fine	45
16/02/2023	8:00	9:00	Fine	81
16/02/2023	9:00	10:00	Fine	70
16/02/2023	10:00	11:00	Fine	90
17/02/2023	9:00	10:00	Fine	113
17/02/2023	10:00	11:00	Fine	90
17/02/2023	11:00	12:00	Fine	100
18/02/2023	9:00	10:00	Fine	178
18/02/2023	10:00	11:00	Fine	171
18/02/2023	11:00	12:00	Fine	134
19/02/2023	8:00	9:00	Fine	128
19/02/2023	9:00	10:00	Fine	85
19/02/2023	10:00	11:00	Fine	84
20/02/2023	9:50	10:50	Fine	143
20/02/2023	10:55	11:55	Fine	98
20/02/2023	11:58	12:58	Fine	99
21/02/2023	9:00	10:00	Fine	163
21/02/2023	10:00	11:00	Fine	102
21/02/2023	11:00	12:00	Fine	128
22/02/2023	7:45	8:45	Fine	195
22/02/2023	9:09	10:09	Fine	111
22/02/2023	10:12	11:12	Fine	99
23/02/2023	9:00	10:00	Fine	192
23/02/2023	10:00	11:00	Fine	87
23/02/2023	11:00	12:00	Fine	74
24/02/2023	9:00	10:00	Fine	118
24/02/2023	10:00	11:00	Fine	82
24/02/2023	11:00	12:00	Fine	117
25/02/2023	8:00	9:00	Fine	130
25/02/2023	9:00	10:00	Fine	104
25/02/2023	10:00	11:00	Fine	138
26/02/2023	8:00	9:00	Fine	219
26/02/2023	9:00	10:00	Fine	105
26/02/2023	10:00	11:00	Fine	186
27/02/2023	7:50	8:50	Fine	123
27/02/2023	9:00	10:00	Fine	99
27/02/2023	10:02	11:02	Fine	87
28/02/2023	8:30	9:30	Fine	115
28/02/2023	10:40	11:40	Fine	62
28/02/2023	11:41	12:41	Fine	109

1-hour TSP Monitoring Results

Monitoring Station ID: Yat Tung Shopping Centre (DM-4)

Date	Time (Start)	Time (Finish)	Weather	1-hour TSP Conc. ($\mu\text{g}/\text{m}^3$)
30/01/2023	11:00	12:00	Fine	172
30/01/2023	13:00	14:00	Fine	122
30/01/2023	14:00	15:00	Fine	83
31/01/2023	9:45	10:45	Fine	173
31/01/2023	10:45	11:45	Fine	151
31/01/2023	11:45	12:45	Fine	148
01/02/2023	9:30	10:30	Fine	127
01/02/2023	11:30	12:30	Fine	132
01/02/2023	12:35	13:35	Fine	108
02/02/2023	9:18	10:18	Fine	119
02/02/2023	10:45	11:45	Fine	88
02/02/2023	13:00	14:00	Fine	105
03/02/2023	9:11	10:11	Fine	117
03/02/2023	11:03	12:03	Fine	65
03/02/2023	12:13	13:13	Fine	93
04/02/2023	10:00	11:00	Fine	86
04/02/2023	11:05	12:05	Fine	97
04/02/2023	12:00	13:00	Fine	141
05/02/2023	8:30	9:30	Fine	116
05/02/2023	9:30	10:30	Fine	68
05/02/2023	10:30	11:30	Fine	64
06/02/2023	9:35	10:35	Fine	125
06/02/2023	10:30	11:30	Fine	78
06/02/2023	11:30	12:30	Fine	85
07/02/2023	10:12	11:12	Fine	80
07/02/2023	11:29	12:29	Fine	77
07/02/2023	12:44	13:44	Fine	96
08/02/2023	9:18	10:18	Fine	110
08/02/2023	10:45	11:45	Fine	54
08/02/2023	13:00	14:00	Fine	52
09/02/2023	9:35	10:35	Fine	112
09/02/2023	10:45	11:45	Fine	57
09/02/2023	11:50	12:50	Fine	74
10/02/2023	9:35	10:35	Fine	72
10/02/2023	10:45	11:45	Fine	92
10/02/2023	12:00	13:00	Fine	124
11/02/2023	9:10	10:10	Fine	38
11/02/2023	10:21	11:21	Fine	42
11/02/2023	11:30	12:30	Fine	75
12/02/2023	8:00	9:00	Fine	47
12/02/2023	9:00	10:00	Fine	57
12/02/2023	10:00	11:00	Fine	58

1-hour TSP Monitoring Results

Monitoring Station ID: Ma Wan Chung Village (DM-5a)

Date	Time (Start)	Time (Finish)	Weather	1-hour TSP Conc. ($\mu\text{g}/\text{m}^3$)
29/12/2022	12:40	13:40	Fine	275
29/12/2022	14:22	15:22	Fine	185
29/12/2022	15:40	16:40	Fine	165
30/12/2022	11:20	12:20	Fine	155
30/12/2022	12:50	13:50	Fine	156
30/12/2022	14:09	15:09	Fine	148
31/12/2022	10:23	11:23	Fine	112
31/12/2022	11:23	12:23	Fine	101
31/12/2022	12:23	13:23	Fine	122
01/01/2023	8:00	9:00	Fine	172
01/01/2023	9:03	10:03	Fine	106
01/01/2023	10:05	11:05	Fine	143
02/01/2023	8:40	9:40	Fine	201
02/01/2023	9:40	10:40	Fine	86
02/01/2023	10:45	11:45	Fine	74
03/01/2023	9:03	10:03	Fine	175
03/01/2023	11:11	12:11	Fine	74
03/01/2023	12:08	13:08	Fine	112
04/01/2023	9:00	10:00	Fine	95
04/01/2023	10:00	11:00	Fine	155
04/01/2023	11:00	12:00	Fine	104
05/01/2023	9:15	10:15	Fine	96
05/01/2023	10:20	11:20	Fine	81
05/01/2023	11:20	12:20	Fine	170
06/01/2023	9:10	10:10	Fine	144
06/01/2023	10:20	11:20	Fine	76
06/01/2023	11:20	12:20	Fine	87
07/01/2023	9:35	10:35	Fine	191
07/01/2023	10:38	11:38	Fine	155
07/01/2023	11:40	12:40	Fine	115
08/01/2023	9:05	10:05	Fine	56
08/01/2023	10:10	11:10	Fine	83
08/01/2023	11:15	12:15	Fine	88
09/01/2023	8:15	9:15	Fine	201
09/01/2023	9:15	10:15	Fine	148
09/01/2023	10:15	11:15	Fine	150
10/01/2023	9:12	10:12	Fine	181
10/01/2023	11:42	12:42	Fine	80
10/01/2023	13:46	14:46	Fine	79
11/01/2023	10:15	11:15	Fine	112
11/01/2023	11:15	12:15	Fine	68
11/01/2023	12:15	13:15	Fine	60

Appendix E

Calibration Certificate for the Noise Monitoring Equipment

Report no.: 212769CA220999

Page 1 of 1

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Limited

Project : Calibration Services

Details of Unit Under Test, UUT

Description : Sound Level Meter

Manufacturer : Casella

	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	1488300	05011	002110

Equipment ID : N/A

Next Calibration Date : 06-May-2023

Specification Limit : EN 61672-1: 2003 Class 1

Laboratory Information

Details of Reference Equipment -

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID. : R-108-1

Date of Calibration : 07-May-2022

Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C

Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters		Mean Value (dB)	Specification Limit(dB)
A-weighting frequency response	4000Hz	-0.2	2.6 to -0.6
	2000Hz	0.9	2.8 to -0.4
	1000Hz	0.1	1.1 to -1.1
	500Hz	-3.1	-1.8 to -4.6
	250Hz	-8.5	-7.2 to -10.0
	125Hz	-16.0	-14.6 to -17.6
	63Hz	-26.1	-24.7 to -27.7
Differential level linearity	94dB-104dB	0.0	± 0.6
	104dB-114dB	0.0	± 0.6

Remarks :

1. The equipment used in this calibration is traceable to recognized National Standards.
2. The mean value is the average of four measurements.
3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast.
4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
5. The values given in this Calibration Certificate only relate to the values at the time of the test and any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

 Checked by : Cuny Date : 13-5-2022 Certified by : K.T. Leung Date : 13-5-2022

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

**** End of Report ****

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Limited

Project : Calibration Services

Details of Unit Under Test, UUT

Description : Sound Level Meter

Manufacturer : Casella

	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	1488287	04005	003036

Equipment ID : N/A

Next Calibration Date : 29-Aug-2023

Specification Limit : EN 61672-1: 2003 Class 1

Laboratory Information

Details of Reference Equipment -

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID. : R-108-1

Date Receipt of UUT : 27-Aug-2022

Date of Calibration : 30-Aug-2022

Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C

Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters		Mean Value (dB)	Specification Limit(dB)
A-weighting frequency response	4000Hz	0.8	2.6 to -0.6
	2000Hz	1.2	2.8 to -0.4
	1000Hz	0.0	1.1 to -1.1
	500Hz	-3.4	-1.8 to -4.6
	250Hz	-8.8	-7.2 to -10.0
	125Hz	-16.3	-14.6 to -17.6
	63Hz	-26.3	-24.7 to -27.7
Differential level linearity	94dB-104dB	0.0	± 0.6
	104dB-114dB	0.0	± 0.6

- The equipment used in this calibration is traceable to recognized National Standards.
- For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- The mean value is the average of four measurements.
- The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

 Checked by : [Signature] Date : 13-9-2022 Certified by : [Signature] Date : 13-9-2022

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

**** End of Report ****

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

 Client : Fugro Technical Services Ltd.
 Project : Calibration Services

Details of Unit Under Test, UUT -

 Description : Sound Level Meter
 Manufacturer : Casella

	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	1488314	0339	002712

 Equipment ID : N/A
 Next Calibration Date : 25-Oct-2023
 Specification Limit : EN 61672-1: 2003 Class 1

Laboratory Information
Details of Reference Equipment -

 Description : Acoustic Multifunction Calibrator
 Equipment ID. : R-108-1

Date of Receipt : 25-Oct-2022

Date of Calibration : 26-Oct-2022

Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C


Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters		Mean Value (dB)	Specification Limit(dB)
A-weighting frequency response	4000Hz	-0.1	2.6 to -0.6
	2000Hz	0.8	2.8 to -0.4
	1000Hz	-0.1	1.1 to -1.1
	500Hz	-3.4	-1.8 to -4.6
	250Hz	-8.8	-7.2 to -10.0
	125Hz	-16.2	-14.6 to -17.6
	63Hz	-26.2	-24.7 to -27.7
Differential level linearity	94dB-104dB	0.1	± 0.6
	104dB-114dB	0.0	± 0.6

Remarks :

- The equipment used in this calibration is traceable to recognized National Standards.
- The mean value is the average of four measurements.
- For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast.
- The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

 Checked by : 
 CA-R-297 (22/07/2009)

Date : 31-10-2022

 Certified by : 

 Date : 31-10-2022
 Leung Kwok Tai (Assistant Manager)

**** End of Report ****

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT -

 Description : Sound Level Meter
 Manufacturer : Casella

	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	1488269	03914	003984

Equipment ID : N/A

Next Calibration Date : 06-Nov-2023

Specification Limit : EN 61672-1: 2003 Class 1

Laboratory Information
Details of Reference Equipment -

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID. : R-108-1

Date of Receipt : 03-Nov-2022

Date of Calibration : 07-Nov-2022

Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C

Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters	Mean Value (dB)	Specification Limit(dB)
A-weighting frequency response	4000Hz	1.0 2.6 to -0.6
	2000Hz	1.2 2.8 to -0.4
	1000Hz	-0.1 1.1 to -1.1
	500Hz	-3.4 -1.8 to -4.6
	250Hz	-8.8 -7.2 to -10.0
	125Hz	-16.2 -14.6 to -17.6
	63Hz	-26.3 -24.7 to -27.7
Differential level linearity	94dB-104dB	± 0.6
	104dB-114dB	± 0.6

Remarks :

- The equipment used in this calibration is traceable to recognized National Standards.
- The mean value is the average of four measurements.
- For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

 Checked by :  Date : 10-11-2022 Certified by :  Date : 10-11-2022
 CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

**** End of Report ****

Report no.: 212769CA223056

Page 1 of 1

CALIBRATION CERTIFICATE OF SOUND LEVEL METER**Client Supplied Information**

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT -

Description : Sound Level Meter

Manufacturer : Casella

	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	2206937	04228	004030

Equipment ID : N/A

Next Calibration Date : 03-Jan-2024

Specification Limit : EN 61672-1: 2003 Class 1

Next Calibration Date : 03-Jan-2024

Laboratory Information**Details of Reference Equipment -**

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID. : R-108-1

Date of Receipt UUT : 30-Dec-2022

Date of Calibration : 04-Jan-2023

Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C

Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters	Mean Value (dB)	Specification Limit(dB)
A-weighting frequency response	4000Hz	0.8
	2000Hz	1.1
	1000Hz	0.0
	500Hz	-3.4
	250Hz	-8.7
	125Hz	-16.1
	63Hz	-26.1
Differential level linearity	94dB-104dB	± 0.6
	104dB-114dB	± 0.6

Remarks :

1. The equipment used in this calibration is traceable to recognized National Standards.
2. The mean value is the average of four measurements.
3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
5. The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by : Alto Date : 11-1-2023 Certified by : C.T. Leung Date : 11-1-2023

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

**** End of Report ****

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Ltd.
Project : Calibration Services

Details of Unit Under Test, UUT -

Description : Sound Level Meter
Manufacturer : Casella

	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	1488304	02772	004020

Equipment ID : N-62
Next Calibration Date : 03-Jan-2024
Specification Limit : EN 61672-1: 2003 Class 1

Laboratory Information

Details of Reference Equipment -

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)
Equipment ID. : R-108-1

Date of Receipt UUT : 03-Jan-2023

Date of Calibration : 04-Jan-2023

Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C

Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters	Mean Value (dB)	Specification Limit(dB)
A-weighting frequency response	4000Hz	1.7
	2000Hz	1.4
	1000Hz	0.0
	500Hz	-3.3
	250Hz	-8.8
	125Hz	-16.2
	63Hz	-26.3
Differential level linearity	94dB-104dB	± 0.6
	104dB-114dB	± 0.6

Remarks :

1. The equipment used in this calibration is traceable to recognized National Standards.
2. The mean value is the average of four measurements.
3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
5. The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by : AS Date : 4-1-2023 Certified by : R. T. Young Date : 5-1-2023

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

** End of Report **

Report no.: 212769CA221052

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CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description : Sound Calibrator
 Manufacturer : Casella (Model CEL-120/1)
 Serial No. : 4358251
 Equipment ID : N-34

Next Calibration Date : 18-May-2023

Specification Limit : EN 60942: 2003 Class 1

Laboratory Information

Details of Calibration Equipment

Description : Reference Sound level meter
 Equipment ID. : R-119-2

Date of Calibration : 19-May-2022

 Calibration Location : Calibration Laboratory of FTS Ambient Temperature : $20 \pm 2^\circ\text{C}$

 Method Used : By direct comparison Relative Humidity : $< 80\% \text{ R.H.}$

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.1 dB	±0.4dB
114dB	0.0 dB	

Remarks :

1. The equipment used in this calibration is traceable to recognized National Standards.
2. The mean value is the average of four measurements.
3. The unit under test complies with the specification limit.
4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

 Checked by : Cenny Date : 31-5-2022 Certified by : K.T. Leung Date : 31-5-2022

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

**** End of Report ****

CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description : Acoustic Calibrator
 Manufacturer : Casella (Model CEL-120/1)
 Serial No. : 5230758
 Equipment ID : N/A
 Next Calibration Date : 27-Jul-2023
 Specification Limit : EN 60942: 2003 Class 1

Laboratory Information

Details of Calibration Equipment

Description : Reference Sound level meter
 Equipment ID. : R-119-2
 Date of UUT receipt : 25-Jul-2022
 Date of Calibration : 28-Jul-2022
 Calibration Location : Calibration Laboratory of FTS Ambient Temperature : 20±2 °C
 Method Used : By direct comparison Relative Humidity : <80% R.H.

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.2 dB	±0.4dB
114dB	0.2 dB	

Remarks :

1. The equipment used in this calibration is traceable to recognized National Standards.
2. The mean value is the average of four measurements.
3. A general inspection of the item has been carried out and found the item is in good working conditions.
 The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the

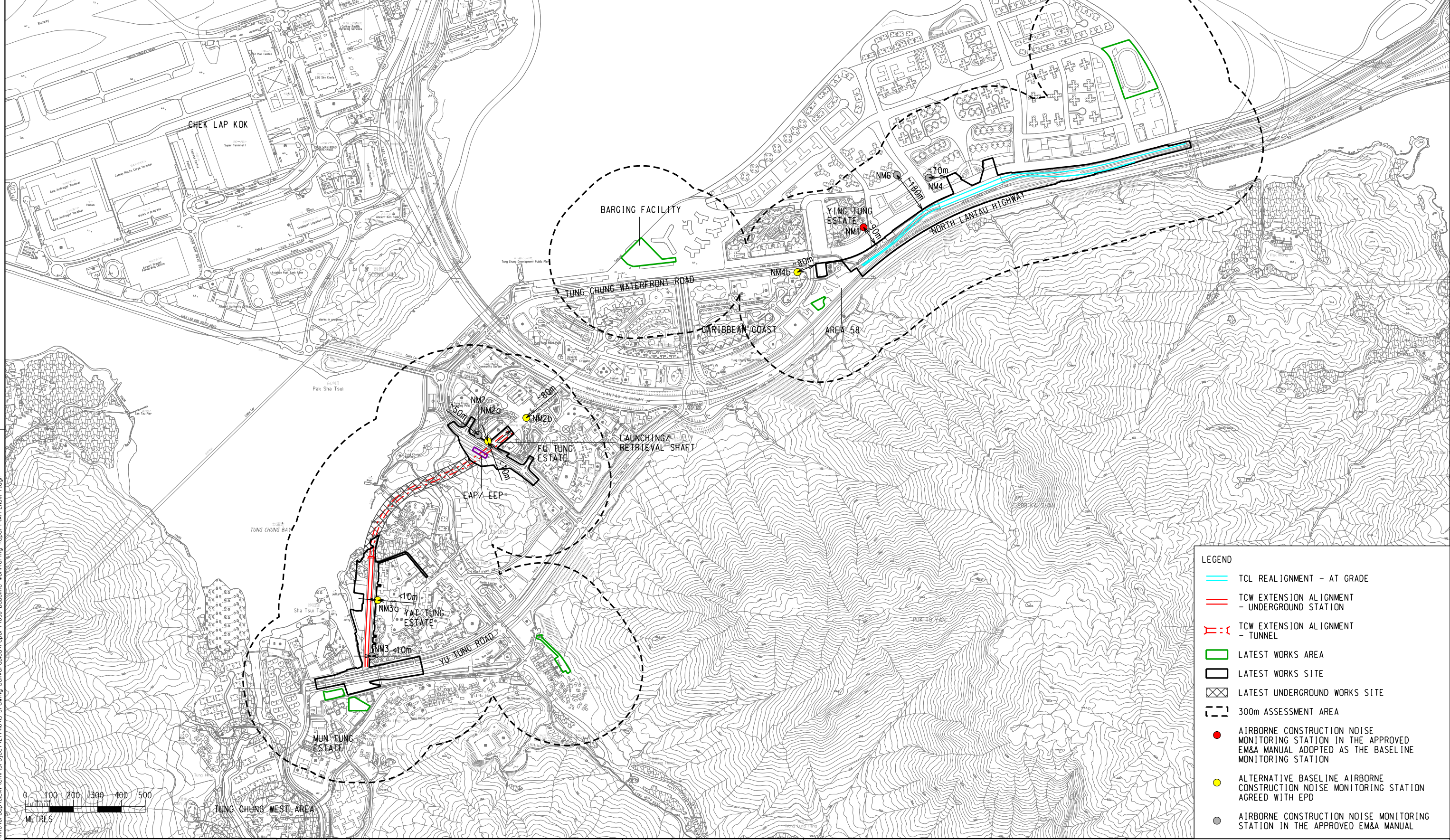
Checked by : Alta Date : 1-8-2022 Certified by : Leung Kwok Tai Date : 2-8-2022
 CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

** End of Report **

Appendix F

Locations of Baseline Airborne Construction Noise Monitoring Stations

Alternative Monitoring Station ID	Monitoring Station ID in the approved EM&A Manual	Monitoring Parameter	Location
N/A	NM1	Baseline and impact monitoring	Ying Tung Estate
NM2a	NM2	Baseline monitoring	Tung Chung Crescent – street level facing the open space inside the Tung Chung Crescent
NM2b		Baseline monitoring	Tung Chung Crescent – street level near Tung Chung Station
NM3a	NM3	Baseline monitoring	2/F rooftop of Yat Tung Shopping Centre
NM4b	NM4 and NM6	Baseline monitoring	Caribbean Coast Podium Garden



LEGEND

- TCL REALIGNMENT - AT GRADE
- TCW EXTENSION ALIGNMENT - UNDERGROUND STATION
- TCW EXTENSION ALIGNMENT - TUNNEL
- LATEST WORKS AREA
- LATEST WORKS SITE
- LATEST UNDERGROUND WORKS SITE
- 300m ASSESSMENT AREA
- AIRBORNE CONSTRUCTION NOISE MONITORING STATION IN THE APPROVED EM&A MANUAL ADOPTED AS THE BASELINE MONITORING STATION
- ALTERNATIVE BASELINE AIRBORNE CONSTRUCTION NOISE MONITORING STATION AGREED WITH EPD
- AIRBORNE CONSTRUCTION NOISE MONITORING STATION IN THE APPROVED EM&A MANUAL

PLOT DRW: g:\common\mtr\c1202\drw\hlp_c1202\c1202_03.pdf;c:\env\p11
 MODELNAME: C:\Program Files\Autodesk\AutoCAD 2011\Project1\c1202_03.dwg
 FILENAME: C:\Program Files\Autodesk\AutoCAD 2011\Project1\c1202_03.dwg

REV	DESCRIPTION	BY	DATE	APPROVED	REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	210423	FC					

DRAWN	GL		C1202 - EIA for Tung Chung Line Extension
DESIGNED	GL		
CHECKED	EL		
APPROVED	FC		
DATE	21/04/2023	ORIGINATOR	
			Ove Arup & Partners Hong Kong Limited
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			APPENDIX F.dgn

TITLE	LOCATIONS OF BASELINE AIRBORNE CONSTRUCTION NOISE MONITORING STATIONS	
SCALE	AS SHOWN	
DRAWING NO.	APPENDIX F	
REV.	A	

Appendix G

Detailed Airborne Construction Noise Monitoring Results

Monitoring Station ID: Ying Tung Estate (NM1)

Daytime on Normal Weekdays (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (30min)	L10	L90
07:00-07:30	59.7	61.7	56.4
07:30-08:00	60.0	61.9	56.7
08:00-08:30	62.2	64.0	59.1
08:30-09:00	64.8	67.2	60.9
09:00-09:30	65.3	67.7	61.1
09:30-10:00	65.2	67.5	61.0
10:00-10:30	66.1	68.5	60.5
10:30-11:00	65.4	67.9	60.6
11:00-11:30	64.8	67.4	59.7
11:30-12:00	62.4	64.6	57.9
12:00-12:30	61.2	63.4	57.4
12:30-13:00	64.3	66.9	59.0
13:00-13:30	67.8	70.8	61.9
13:30-14:00	67.7	70.2	62.9
14:00-14:30	66.8	69.0	62.0
14:30-15:00	66.8	69.4	62.0
15:00-15:30	67.9	70.6	62.5
15:30-16:00	67.5	70.1	62.4
16:00-16:30	67.0	69.9	61.8
16:30-17:00	64.9	67.2	60.2
17:00-17:30	61.7	63.7	58.0
17:30-18:00	59.8	61.8	56.2
18:00-18:30	59.2	61.1	55.5
18:30-19:00	58.5	60.6	54.6

Leq(30min), dB(A)	Average	Minimum	Maximum
		64.0	58.5

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

Daytime on Normal Weekdays (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (30min)	L10	L90
07:00-07:30	65.3	68.5	59.6
07:30-08:00	65.4	68.2	59.8
08:00-08:30	65.8	68.8	59.9
08:30-09:00	65.4	68.5	59.5
09:00-09:30	64.9	68.0	58.8
09:30-10:00	64.6	67.8	58.8
10:00-10:30	64.3	67.3	58.9
10:30-11:00	65.2	68.1	59.1
11:00-11:30	64.9	67.8	59.1
11:30-12:00	65.0	68.1	59.3
12:00-12:30	65.0	67.9	59.2
12:30-13:00	64.8	67.5	59.5
13:00-13:30	65.0	67.7	59.6
13:30-14:00	64.8	67.6	60.0
14:00-14:30	65.1	67.8	60.1
14:30-15:00	64.9	67.9	59.9
15:00-15:30	65.3	67.9	59.5
15:30-16:00	64.8	67.5	59.6
16:00-16:30	64.7	67.6	59.7
16:30-17:00	64.9	68.0	59.3
17:00-17:30	65.2	68.1	59.4
17:30-18:00	64.9	68.0	59.3
18:00-18:30	64.8	67.8	58.9
18:30-19:00	64.3	67.2	58.3

Leq(30min), dB(A)	Average	Minimum	Maximum
		65.0	64.3

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

Daytime on Normal Weekdays (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (30min)	L10	L90
07:00-07:30	53.3	55.4	50.6
07:30-08:00	51.3	52.9	49.3
08:00-08:30	52.1	53.8	49.6
08:30-09:00	52.9	54.6	50.4
09:00-09:30	53.3	55.1	51.0
09:30-10:00	54.8	57.0	51.4
10:00-10:30	56.2	58.8	52.3
10:30-11:00	57.0	59.0	52.8
11:00-11:30	58.3	60.5	53.2
11:30-12:00	55.9	58.3	52.6
12:00-12:30	56.0	58.3	52.8
12:30-13:00	56.2	57.9	53.1
13:00-13:30	56.4	58.3	53.5
13:30-14:00	57.4	59.2	54.6
14:00-14:30	57.9	59.7	55.0
14:30-15:00	58.5	60.5	55.1
15:00-15:30	58.9	61.1	55.4
15:30-16:00	59.4	61.6	55.8
16:00-16:30	58.3	60.0	55.3
16:30-17:00	57.2	59.1	54.5
17:00-17:30	56.7	58.4	53.7
17:30-18:00	56.0	58.1	53.2
18:00-18:30	55.3	57.0	52.8
18:30-19:00	54.7	56.4	52.2

Leq(30min), dB(A)	Average	Minimum	Maximum
		56.0	51.3

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre
(NM3a)

Daytime on Normal Weekdays (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (30min)	L10	L90
07:00-07:30	52.3	53.8	50.4
07:30-08:00	52.0	53.5	50.4
08:00-08:30	52.3	53.6	49.9
08:30-09:00	52.4	54.0	50.0
09:00-09:30	53.2	54.7	51.1
09:30-10:00	53.1	54.5	51.3
10:00-10:30	53.8	55.4	51.7
10:30-11:00	55.2	57.1	52.5
11:00-11:30	54.4	56.3	51.1
11:30-12:00	53.8	55.4	51.5
12:00-12:30	53.5	55.5	50.9
12:30-13:00	53.7	55.5	50.9
13:00-13:30	53.3	55.0	51.0
13:30-14:00	53.0	54.7	51.1
14:00-14:30	53.3	54.9	51.0
14:30-15:00	52.9	54.3	50.9
15:00-15:30	53.2	54.8	51.2
15:30-16:00	53.4	55.2	51.3
16:00-16:30	53.5	55.1	51.4
16:30-17:00	54.5	56.2	51.9
17:00-17:30	56.3	58.2	52.7
17:30-18:00	53.8	55.4	51.8
18:00-18:30	53.5	55.1	51.5
18:30-19:00	53.4	55.0	51.5

Leq(30min), dB(A)	Average	Minimum	Maximum
		53.5	52.0

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 Daytime on Normal Weekdays (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (30min)	L10	L90
07:00-07:30	62.7	65.7	56.5
07:30-08:00	62.8	65.8	56.5
08:00-08:30	63.7	66.5	58.3
08:30-09:00	63.8	66.6	58.5
09:00-09:30	64.1	66.9	59.0
09:30-10:00	63.7	66.6	58.7
10:00-10:30	63.8	66.7	58.9
10:30-11:00	63.7	66.6	58.1
11:00-11:30	63.7	66.9	58.1
11:30-12:00	63.1	66.2	57.6
12:00-12:30	62.9	66.1	56.7
12:30-13:00	62.7	65.8	56.8
13:00-13:30	63.6	66.4	58.1
13:30-14:00	63.2	66.2	57.7
14:00-14:30	62.9	66.0	57.6
14:30-15:00	63.1	65.9	58.0
15:00-15:30	63.4	66.3	58.2
15:30-16:00	63.3	66.0	57.8
16:00-16:30	62.9	65.9	57.4
16:30-17:00	63.2	66.3	57.4
17:00-17:30	64.0	66.4	57.2
17:30-18:00	62.4	65.5	56.6
18:00-18:30	62.4	65.6	55.8
18:30-19:00	61.2	64.3	54.7

Leq(30min), dB(A)	Average	Minimum	Maximum
		63.2	61.2

Monitoring Station ID: Ying Tung Estate (NM1)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
0700-07:15	54.9	58.0	51.0
	55.0	57.5	51.5
	55.0	57.8	50.8
07:15-07:30	55.0	56.5	51.3
	55.5	58.0	51.8
	55.0	57.0	51.5
07:30-07:45	54.6	56.8	51.0
	53.1	54.8	51.0
	56.1	59.0	51.3
07:45-08:00	58.7	61.5	52.5
	56.9	59.5	51.5
	55.3	58.0	51.8
08:00-08:15	54.7	57.5	51.0
	53.4	54.8	51.3
	55.1	58.5	51.5
08:15-08:30	55.1	57.3	50.8
	53.9	55.5	51.0
	55.2	58.0	51.0
08:30-08:45	53.8	55.8	50.8
	53.8	55.8	51.3
	53.4	55.3	51.0
08:45-09:00	54.0	56.0	50.5
	52.8	54.8	50.5
	54.2	56.3	50.5
09:00-09:15	53.3	55.0	50.3
	54.5	56.5	51.0
	54.0	56.3	50.5
09:15-09:30	54.9	58.0	50.5
	54.4	56.8	50.8
	55.3	58.3	51.8
09:30-09:45	54.7	57.5	51.3
	56.0	58.3	51.0
	54.7	57.8	50.5
09:45-10:00	55.1	58.3	50.5
	57.2	58.8	49.8
	55.5	58.0	50.5
10:00-10:15	53.9	56.8	49.5
	54.4	57.3	50.3
	54.3	56.0	50.5
10:15-10:30	54.4	57.0	50.8
	54.4	56.8	50.5
	56.1	58.3	50.5
10:30-10:45	55.8	58.0	50.5
	54.1	56.5	50.3
	56.6	58.5	50.3
10:45-11:00	53.6	56.3	50.3
	58.2	60.8	50.3
	56.1	57.8	50.3
11:00-11:15	56.0	58.8	51.0
	56.7	59.8	51.0
	55.3	57.8	50.8
11:15-11:30	54.0	56.5	50.5
	54.3	55.8	51.3
	53.3	55.5	50.3
11:30-11:45	55.0	57.3	51.3
	53.4	55.5	51.3
	53.7	56.0	50.8
11:45-12:00	54.8	57.8	50.8
	54.4	56.0	50.8
	54.1	56.3	50.3

Monitoring Station ID: Ying Tung Estate (NM1)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
12:00-12:15	54.3	56.5	50.3
	54.8	56.5	51.0
	54.6	57.3	50.8
12:15-12:30	56.2	58.3	52.3
	55.5	58.8	51.3
	57.1	59.0	51.0
12:30-12:45	55.0	56.3	51.0
	57.0	59.5	51.3
	55.5	58.8	50.8
12:45-13:00	52.8	55.0	50.5
	53.8	56.0	50.8
	53.8	56.0	51.0
13:00-13:15	55.5	58.3	51.0
	54.3	56.8	50.8
	58.5	60.8	51.3
13:15-13:30	54.7	56.8	51.0
	58.1	61.0	51.3
	60.3	61.5	55.0
13:30-13:45	57.3	58.8	53.8
	59.3	60.5	53.8
	59.5	61.0	57.0
13:45-14:00	56.7	59.3	50.8
	54.4	56.8	50.8
	53.9	56.5	50.8
14:00-14:15	55.1	55.8	51.0
	54.5	56.3	50.8
	56.9	59.8	51.5
14:15-14:30	54.9	57.0	51.3
	54.2	56.8	51.0
	53.9	56.3	50.5
14:30-14:45	52.5	53.5	50.5
	53.7	55.3	50.5
	56.8	56.8	50.8
14:45-15:00	54.1	57.0	50.8
	53.8	56.3	50.5
	53.9	55.5	50.5
15:00-15:15	53.8	56.3	50.5
	52.8	55.3	50.3
	54.6	57.3	50.5
15:15-15:30	54.1	56.3	50.3
	55.5	58.5	51.3
	56.2	58.5	51.0
15:30-15:45	52.8	53.8	50.3
	56.5	56.3	50.8
	54.0	56.8	50.8
15:45-16:00	57.1	59.8	51.0
	54.7	56.5	51.3
	57.8	61.0	52.0
16:00-16:15	55.8	59.0	51.3
	54.5	57.3	51.3
	55.1	57.0	51.3
16:15-16:30	56.3	58.8	51.3
	57.2	59.0	51.0
	54.7	57.5	50.5
16:30-16:45	55.7	58.3	50.8
	55.2	57.0	51.3
	55.1	58.0	51.3
16:45-17:00	54.2	56.3	50.5
	53.7	55.3	51.0
	55.8	58.0	51.0

Monitoring Station ID: Ying Tung Estate (NM1)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
17:00-17:15	55.9	58.3	51.3
	54.7	56.8	51.3
	53.7	55.8	51.3
17:15-17:30	57.4	59.8	51.0
	54.0	56.3	51.3
	53.5	56.0	51.0
17:30-17:45	53.0	54.5	50.8
	56.7	59.3	50.5
	54.3	56.8	51.3
17:45-18:00	55.9	58.0	51.0
	56.0	57.8	51.8
	54.7	57.5	51.0
18:00-18:15	57.8	59.0	51.5
	54.4	55.8	51.5
	55.6	57.8	51.5
18:15-18:30	53.5	55.5	50.8
	53.9	55.0	51.3
	54.1	56.3	51.3
18:30-18:45	55.7	57.8	51.3
	55.7	57.0	51.0
	55.1	58.3	51.3
18:45-19:00	54.2	57.0	50.5
	54.1	56.0	50.8
	54.3	57.3	50.5
19:00-19:15	56.8	59.1	52.6
	56.2	58.4	52.4
	56.0	58.5	52.2
19:15-19:30	56.4	58.6	52.0
	56.2	58.5	52.2
	55.7	58.0	52.0
19:30-19:45	55.8	58.4	51.9
	55.0	57.2	51.7
	55.4	57.7	52.1
19:45-20:00	56.6	59.0	51.8
	56.2	58.4	51.8
	56.5	58.7	52.3
20:00-20:15	55.6	57.9	51.9
	55.5	57.6	51.5
	55.6	58.2	51.4
20:15-20:30	55.7	57.7	51.5
	55.9	58.4	51.9
	55.2	57.1	51.4
20:30-20:45	56.0	58.1	51.4
	55.6	58.0	51.5
	55.6	57.6	51.7
20:45-21:00	55.9	58.0	51.6
	55.8	58.4	51.6
	54.4	56.3	51.1
21:00-21:15	54.2	56.0	51.3
	55.7	57.6	51.9
	54.8	56.2	51.2
21:15-21:30	54.7	56.9	51.4
	55.6	57.6	51.5
	54.8	56.3	51.7
21:30-21:45	55.3	57.1	51.6
	54.7	56.9	51.5
	55.1	57.4	51.5
21:45-22:00	54.6	56.4	51.4
	55.2	57.8	51.6
	54.4	56.1	51.3

Monitoring Station ID: Ying Tung Estate (NM1)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
22:00-22:15	55.1	57.0	51.5
	54.8	56.2	51.3
	54.2	56.1	51.3
22:15-22:30	54.3	56.1	51.3
	55.3	57.1	51.3
	54.9	56.7	51.1
22:30-22:45	54.8	56.8	51.0
	53.4	54.7	50.8
	53.7	55.5	50.6
22:45-23:00	54.4	56.3	50.4
	54.2	56.3	50.3
	54.2	55.6	50.2

Leq(5min), dB(A)	Average	Minimum	Maximum
		55.1	52.5

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
07:00-07:15	62.5	66.5	54.8
	64.3	68.0	55.7
	63.6	67.5	55.5
07:15-07:30	63.7	67.3	57.5
	64.4	67.3	56.3
	63.6	67.2	56.5
07:30-07:45	63.4	67.6	57.1
	63.8	66.7	57.3
	63.7	67.1	56.5
07:45-08:00	63.7	67.4	57.3
	63.2	67.5	54.7
	62.7	65.8	56.3
08:00-08:15	63.5	67.5	56.0
	63.5	67.1	57.4
	64.0	67.7	57.6
08:15-08:30	67.5	70.8	57.9
	63.1	66.6	57.1
	63.7	67.8	56.8
08:30-08:45	64.4	68.0	54.0
	63.7	67.3	56.9
	63.7	67.7	55.8
08:45-09:00	63.7	66.5	56.6
	63.5	67.0	56.1
	62.9	66.3	55.1
09:00-09:15	62.7	65.6	56.4
	63.4	67.1	57.1
	63.8	67.3	57.4
09:15-09:30	65.3	69.4	56.7
	64.1	66.6	58.5
	63.1	66.8	57.2
09:30-09:45	64.6	67.1	57.3
	64.1	68.1	57.6
	64.7	68.2	57.0
09:45-10:00	63.2	66.8	57.8
	63.8	67.4	57.4
	64.1	67.4	58.4
10:00-10:15	62.9	65.4	56.8
	63.9	67.3	57.9
	63.5	66.9	57.8
10:15-10:30	65.8	66.9	57.2
	63.2	66.7	57.1
	63.9	67.2	57.8
10:30-10:45	63.5	66.8	57.6
	63.2	66.7	57.3
	63.9	67.2	56.9
10:45-11:00	63.2	66.1	57.6
	63.7	66.8	58.4
	64.6	67.4	55.5
11:00-11:15	65.1	67.5	61.8
	64.8	67.8	58.2
	63.8	67.4	56.7
11:15-11:30	64.2	67.3	58.5
	64.1	66.9	57.9
	64.2	67.9	58.0
11:30-11:45	64.5	67.5	59.2
	66.0	68.0	58.6
	64.7	68.0	58.7
11:45-12:00	63.6	66.8	57.7
	63.6	67.1	58.0
	64.1	67.6	58.8

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
12:00-12:15	66.4	68.8	59.0
	65.0	67.9	59.1
	64.2	67.1	58.9
12:15-12:30	65.2	68.0	60.6
	63.7	67.0	57.8
	64.6	67.8	59.3
12:30-12:45	65.4	68.7	59.0
	66.4	68.0	60.1
	65.6	67.6	57.6
12:45-13:00	63.7	66.9	59.1
	65.0	67.9	58.9
	63.8	66.3	59.0
13:00-13:15	65.5	67.8	61.0
	65.0	68.7	59.0
	66.0	69.8	59.9
13:15-13:30	64.8	68.0	59.9
	64.6	67.6	59.9
	65.6	67.5	61.7
13:30-13:45	64.9	68.3	59.3
	64.9	68.0	58.8
	64.3	67.1	59.5
13:45-14:00	64.8	67.9	59.6
	66.1	69.5	61.2
	65.0	67.9	59.9
14:00-14:15	64.6	66.8	61.0
	65.5	68.9	59.6
	65.1	68.0	60.4
14:15-14:30	65.4	68.7	59.9
	66.8	69.8	59.9
	64.2	66.9	59.5
14:30-14:45	65.5	68.5	60.8
	67.2	69.8	60.1
	64.6	67.5	59.7
14:45-15:00	64.7	68.2	59.6
	65.2	68.0	59.8
	64.3	66.7	60.9
15:00-15:15	65.5	68.5	59.6
	66.3	70.1	58.7
	67.5	70.6	61.1
15:15-15:30	65.7	68.5	60.6
	64.6	68.0	59.4
	64.2	67.2	59.1
15:30-15:45	65.9	69.3	60.2
	64.2	67.5	59.0
	64.8	67.7	60.5
15:45-16:00	65.9	68.2	60.0
	66.1	69.9	60.2
	64.5	67.5	59.6
16:00-16:15	65.5	67.0	61.5
	64.4	66.5	61.0
	65.2	68.0	59.4
16:15-16:30	65.1	68.9	58.3
	64.6	67.9	59.1
	64.5	67.3	58.6
16:30-16:45	66.9	69.7	60.3
	64.2	67.1	58.9
	65.0	68.1	59.5
16:45-17:00	65.4	68.9	59.3
	65.7	68.1	60.2
	65.2	68.2	59.8

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
17:00-17:15	66.4	69.4	60.8
	67.1	70.7	60.0
	65.0	67.9	59.5
17:15-17:30	64.6	67.9	59.4
	64.1	66.0	60.5
	65.0	68.0	60.0
17:30-17:45	66.3	69.7	60.6
	65.5	69.0	58.9
	65.5	68.1	59.4
17:45-18:00	64.6	67.6	59.0
	64.9	68.0	60.1
	66.9	68.3	58.1
18:00-18:15	64.9	68.6	59.2
	65.3	68.4	58.8
	65.5	67.8	59.4
18:15-18:30	67.5	69.3	59.8
	65.7	69.1	60.1
	65.0	67.8	59.4
18:30-18:45	67.8	71.1	59.4
	64.8	68.5	59.2
	63.7	67.0	58.0
18:45-19:00	66.1	67.8	58.9
	65.6	68.6	60.2
	65.7	68.6	59.3
19:00-19:15	63.7	66.7	58.4
	63.8	66.9	57.6
	63.4	66.3	57.4
19:15-19:30	65.0	67.9	58.2
	64.8	67.5	58.1
	64.2	67.5	57.8
19:30-19:45	63.7	67.0	57.5
	64.0	67.4	57.8
	63.5	66.6	57.5
19:45-20:00	63.5	66.7	57.2
	64.9	67.6	57.7
	63.6	66.7	57.2
20:00-20:15	64.0	67.5	57.0
	63.8	67.1	57.2
	63.8	66.7	57.4
20:15-20:30	64.3	67.7	57.2
	63.8	66.8	57.4
	63.4	66.7	57.0
20:30-20:45	63.9	67.0	57.5
	62.6	65.9	56.8
	63.9	66.9	57.8
20:45-21:00	63.5	66.5	57.3
	63.6	66.8	57.6
	63.4	66.6	57.2
21:00-21:15	63.2	66.3	57.6
	63.7	66.3	56.8
	63.1	66.0	57.1
21:15-21:30	63.6	66.9	57.5
	63.0	66.0	56.8
	63.1	66.3	56.9
21:30-21:45	63.6	66.7	56.9
	63.4	66.5	56.6
	63.3	66.8	56.5
21:45-22:00	63.7	66.6	57.1
	63.4	66.6	56.8
	63.5	66.7	55.7

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
22:00-22:15	63.2	66.2	56.1
	63.4	66.7	56.5
	62.4	65.6	56.0
22:15-22:30	63.0	66.7	55.7
	63.4	66.8	55.6
	63.3	66.3	55.6
22:30-22:45	62.9	66.2	55.5
	63.0	66.3	55.3
	62.8	66.2	55.2
22:45-23:00	63.1	66.5	55.1
	62.8	66.4	55.0
	62.8	66.2	54.6

Leq(5min), dB(A)	Average	Minimum	Maximum
		64.4	62.4

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
0700-07:15	49.7	51.5	47.4
	50.5	52.3	48.4
	50.2	52.1	48.1
07:15-07:30	50.1	51.7	48.3
	49.7	51.3	48.0
	50.3	51.8	48.6
07:30-07:45	50.8	52.4	48.9
	50.3	51.8	48.7
	54.4	56.4	48.8
07:45-08:00	51.8	53.7	49.1
	50.6	52.1	48.7
	50.1	51.7	48.4
08:00-08:15	55.0	58.0	49.1
	51.0	52.9	48.9
	52.5	54.8	49.8
08:15-08:30	51.8	53.4	49.6
	51.2	52.7	49.4
	52.0	53.9	49.6
08:30-08:45	52.4	54.0	49.8
	51.4	53.0	49.0
	51.8	53.2	49.8
08:45-09:00	52.0	53.5	50.3
	53.9	55.9	50.9
	54.9	56.9	52.0
09:00-09:15	54.3	56.2	51.9
	53.8	56.0	51.1
	54.6	56.6	51.6
09:15-09:30	56.7	58.1	51.8
	53.5	55.3	51.7
	54.4	56.3	51.6
09:30-09:45	54.7	57.0	52.1
	53.6	54.8	52.1
	53.7	55.2	51.9
09:45-10:00	54.0	55.9	52.3
	55.9	58.1	52.7
	54.3	56.1	51.9
10:00-10:15	55.0	56.4	53.0
	55.6	57.7	53.1
	55.2	57.4	52.5
10:15-10:30	55.3	57.4	52.1
	56.1	58.3	53.0
	55.5	57.6	52.5
10:30-10:45	55.4	57.0	52.4
	56.9	58.5	52.7
	55.0	57.2	52.6
10:45-11:00	54.1	55.7	52.1
	54.9	56.8	52.2
	55.1	57.0	52.5
11:00-11:15	55.9	58.4	52.9
	55.2	57.0	52.9
	55.3	57.4	52.7
11:15-11:30	54.8	56.5	52.6
	55.7	57.2	52.4
	55.2	56.9	52.3
11:30-11:45	54.8	56.7	52.3
	54.8	56.6	52.8
	54.7	56.3	53.1
11:45-12:00	55.0	56.7	53.1
	55.4	57.0	53.5
	55.2	56.7	53.4

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
12:00-12:15	55.2	57.1	53.1
	55.1	56.8	53.2
	55.0	56.3	53.2
12:15-12:30	55.4	57.0	53.3
	54.9	56.6	53.1
	55.9	57.7	53.4
12:30-12:45	54.7	56.4	52.6
	55.4	57.6	52.9
	55.5	57.6	52.9
12:45-13:00	56.4	58.2	53.1
	55.6	57.7	52.9
	57.5	60.0	54.3
13:00-13:15	57.4	59.5	54.6
	58.2	60.0	55.3
	54.8	56.7	52.8
13:15-13:30	55.7	57.7	53.6
	56.3	58.3	53.8
	58.0	60.0	54.3
13:30-13:45	59.5	62.2	55.0
	58.8	60.3	54.6
	57.8	59.1	55.2
13:45-14:00	59.6	61.6	55.3
	58.8	60.9	55.7
	59.6	61.8	55.6
14:00-14:15	56.9	58.5	54.9
	57.4	59.1	55.1
	57.8	60.0	55.2
14:15-14:30	57.9	59.8	55.6
	57.2	58.9	55.1
	57.7	59.5	55.4
14:30-14:45	58.4	60.7	55.2
	57.3	59.0	54.8
	58.0	60.3	55.2
14:45-15:00	57.3	59.4	54.9
	57.9	60.0	55.4
	57.1	58.9	54.9
15:00-15:15	57.9	59.8	54.9
	56.9	58.3	54.6
	56.7	58.3	54.9
15:15-15:30	57.0	58.7	54.8
	57.8	59.6	55.2
	57.9	59.6	55.2
15:30-15:45	57.0	58.6	54.8
	57.4	59.7	54.9
	57.2	58.9	55.2
15:45-16:00	58.4	60.6	55.2
	57.9	60.1	54.9
	59.9	61.7	57.1
16:00-16:15	59.1	60.3	55.8
	56.5	58.7	53.9
	57.3	59.2	54.3
16:15-16:30	56.8	58.6	54.0
	57.0	59.3	54.1
	56.7	58.3	53.9
16:30-16:45	56.0	57.8	53.9
	56.5	58.2	53.7
	57.1	59.4	53.8
16:45-17:00	56.3	58.2	53.9
	57.0	59.1	54.0
	57.7	60.3	53.8

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
17:00-17:15	56.7	59.0	53.5
	58.0	60.9	53.1
	57.8	60.1	54.3
17:15-17:30	57.1	58.9	54.0
	55.9	58.1	52.9
	56.2	58.0	53.6
17:30-17:45	56.9	58.7	54.3
	55.9	57.7	53.6
	55.7	57.5	53.4
17:45-18:00	56.2	57.8	53.6
	55.3	56.9	53.1
	55.2	56.6	52.8
18:00-18:15	56.4	58.6	53.5
	55.9	57.9	53.3
	55.8	58.0	53.1
18:15-18:30	56.4	58.7	53.3
	56.0	58.0	52.9
	55.1	57.2	52.5
18:30-18:45	55.7	58.1	52.7
	54.2	56.0	51.9
	54.5	56.2	52.1
18:45-19:00	54.6	56.7	52.0
	55.9	58.4	52.2
	56.3	59.0	52.5
19:00-19:15	55.9	58.2	52.1
	54.8	57.1	51.3
	53.6	55.2	51.5
19:15-19:30	53.6	55.3	51.4
	53.8	55.4	51.6
	53.4	55.1	51.3
19:30-19:45	53.0	54.4	51.2
	53.4	55.1	51.1
	53.3	54.9	51.0
19:45-20:00	53.8	55.5	51.1
	53.5	55.3	51.1
	52.9	54.7	50.7
20:00-20:15	53.0	54.8	50.8
	53.0	54.7	50.6
	53.4	54.9	50.6
20:15-20:30	53.8	55.7	50.7
	53.2	55.0	50.8
	52.8	54.2	50.5
20:30-20:45	52.4	53.9	50.4
	53.2	54.8	50.4
	52.9	54.7	50.5
20:45-21:00	52.8	54.2	50.5
	52.5	54.2	50.4
	52.2	53.8	50.2
21:00-21:15	52.5	54.0	50.3
	52.6	54.3	50.3
	51.7	53.1	50.0
21:15-21:30	52.5	54.0	50.0
	51.7	53.1	50.1
	51.6	53.2	49.5
21:30-21:45	51.5	53.0	49.3
	51.9	53.7	49.4
	52.8	54.6	49.8
21:45-22:00	52.4	54.5	49.8
	52.7	55.3	49.8
	52.5	54.5	49.9

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
22:00-22:15	52.4	54.2	50.0
	51.6	53.4	49.4
	51.6	53.3	49.5
22:15-22:30	51.5	53.3	49.5
	50.6	52.1	48.8
	50.3	51.7	48.6
22:30-22:45	50.5	52.0	48.6
	50.6	52.1	48.6
	50.5	51.9	48.7
22:45-23:00	50.3	51.7	48.6
	50.8	52.2	48.8
	51.0	52.5	48.7

Leq(5min), dB(A)	Average	Minimum	Maximum
		54.7	49.7

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre
(NM3a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
0700-07:15	50.9	52.0	49.0
	51.5	53.0	49.5
	54.3	56.8	49.5
07:15-07:30	50.8	52.3	49.5
	52.6	54.0	49.5
	51.6	53.3	49.8
07:30-07:45	50.8	52.3	49.5
	52.0	53.5	49.5
	51.3	52.8	49.5
07:45-08:00	51.4	53.0	49.3
	51.6	53.3	49.3
	51.0	52.5	49.3
08:00-08:15	51.0	52.8	49.0
	50.9	52.5	49.0
	50.2	51.3	49.0
08:15-08:30	51.5	53.3	49.3
	51.1	52.8	49.3
	50.9	52.3	49.0
08:30-08:45	51.3	53.0	49.3
	50.9	52.0	49.3
	50.9	52.3	49.5
08:45-09:00	51.0	52.3	49.5
	51.7	53.3	49.5
	51.2	52.3	49.8
09:00-09:15	51.9	52.8	50.8
	51.7	52.8	50.8
	51.8	53.0	50.3
09:15-09:30	51.6	53.0	50.3
	52.6	54.5	50.5
	52.6	54.5	50.8
09:30-09:45	52.9	55.3	50.8
	53.9	54.8	50.5
	51.9	53.3	50.5
09:45-10:00	52.2	53.8	50.5
	52.7	55.0	50.8
	52.5	54.0	50.8
10:00-10:15	53.1	54.8	50.8
	55.2	57.3	51.3
	52.9	54.5	51.0
10:15-10:30	52.6	54.0	51.0
	54.2	56.0	51.0
	52.2	53.8	50.8
10:30-10:45	53.6	54.5	50.8
	52.8	54.8	51.0
	54.4	56.5	50.8
10:45-11:00	52.4	54.0	50.5
	52.7	54.5	50.8
	52.3	54.0	50.8
11:00-11:15	52.1	53.5	50.8
	54.6	56.3	51.3
	54.1	56.0	51.5
11:15-11:30	52.9	54.8	51.0
	52.5	54.0	51.0
	53.5	55.3	51.3
11:30-11:45	54.2	55.0	50.8
	52.7	54.5	50.8
	53.2	54.8	51.0
11:45-12:00	52.3	53.8	50.8
	51.9	52.5	50.8
	52.6	54.8	50.5

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre (NM3a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
12:00-12:15	52.2	53.3	50.8
	52.4	54.0	50.8
	51.4	52.5	50.5
12:15-12:30	52.4	54.3	50.8
	53.6	55.0	50.5
	52.0	53.8	50.5
12:30-12:45	52.3	54.0	50.8
	53.4	53.3	50.5
	52.1	53.5	50.5
12:45-13:00	52.4	54.0	50.5
	52.5	54.5	50.8
	52.4	54.3	50.8
13:00-13:15	52.3	54.3	50.5
	52.1	53.5	50.8
	52.4	53.8	50.5
13:15-13:30	52.8	54.0	51.0
	52.9	54.5	51.0
	52.3	53.8	50.8
13:30-13:45	52.1	53.8	50.5
	52.8	54.8	50.8
	53.1	55.5	50.5
13:45-14:00	52.4	54.0	50.8
	53.3	55.8	51.0
	52.3	53.5	50.8
14:00-14:15	52.7	53.8	51.0
	53.1	55.0	51.3
	52.7	54.0	51.0
14:15-14:30	53.6	54.0	50.8
	53.1	55.0	51.0
	52.0	53.0	51.0
14:30-14:45	52.6	54.5	51.0
	52.6	54.0	51.0
	52.6	53.5	51.0
14:45-15:00	54.2	56.8	51.0
	52.6	54.5	50.8
	52.6	54.0	51.0
15:00-15:15	53.5	53.8	50.5
	52.3	53.5	50.8
	52.4	53.8	50.8
15:15-15:30	53.0	54.8	51.0
	53.7	55.8	51.0
	52.6	54.3	51.0
15:30-15:45	52.3	53.8	50.8
	54.6	56.5	51.0
	52.4	53.5	51.0
15:45-16:00	52.7	53.8	51.3
	53.1	54.5	51.5
	52.2	53.5	51.0
16:00-16:15	52.6	54.5	51.0
	53.0	54.3	51.5
	53.1	54.5	51.0
16:15-16:30	53.6	55.3	51.3
	52.6	54.5	51.0
	53.0	54.8	51.0
16:30-16:45	52.8	54.3	51.3
	53.4	54.8	51.0
	53.4	55.3	51.5
16:45-17:00	53.6	54.8	51.5
	54.1	56.0	51.5
	56.1	57.0	51.5

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre (NM3a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays) during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
17:00-17:15	53.5	55.0	51.5
	53.7	55.3	52.3
	56.2	58.8	52.5
17:15-17:30	55.3	58.0	52.3
	53.4	55.0	51.8
	53.3	54.5	51.8
17:30-17:45	53.7	55.3	51.5
	55.0	56.5	51.3
	53.1	55.5	51.0
17:45-18:00	53.9	55.5	51.0
	53.9	56.3	51.0
	53.6	56.3	50.8
18:00-18:15	53.6	55.5	51.0
	52.5	53.5	51.0
	53.2	54.5	50.8
18:15-18:30	54.8	58.0	50.5
	53.1	53.5	50.5
	52.6	53.5	50.8
18:30-18:45	52.4	54.3	50.8
	51.3	52.0	50.5
	51.8	52.8	50.5
18:45-19:00	55.0	57.0	50.5
	52.0	53.3	50.5
	53.0	52.8	50.8
19:00-19:15	52.8	54.2	51.3
	53.4	54.9	51.3
	52.9	54.4	51.4
19:15-19:30	52.9	54.4	51.3
	53.0	54.5	51.3
	53.4	55.2	51.3
19:30-19:45	53.1	54.6	51.1
	52.7	54.1	51.1
	52.9	54.3	51.1
19:45-20:00	53.4	54.5	51.1
	53.0	54.3	51.2
	53.4	55.1	51.2
20:00-20:15	53.3	54.9	51.2
	52.7	54.3	51.2
	52.7	54.2	51.1
20:15-20:30	52.6	54.0	51.1
	53.2	54.8	51.1
	53.4	54.8	51.5
20:30-20:45	53.0	54.5	51.2
	53.5	54.9	51.1
	53.2	54.5	51.1
20:45-21:00	53.3	54.5	51.5
	53.4	54.8	51.3
	53.2	54.5	51.1
21:00-21:15	52.4	53.5	51.1
	52.8	54.1	51.2
	53.1	54.3	51.1
21:15-21:30	53.0	54.5	51.0
	52.6	54.2	50.9
	53.2	54.6	50.6
21:30-21:45	51.9	53.2	49.8
	51.5	53.0	49.8
	53.1	54.2	49.9
21:45-22:00	51.9	53.2	49.5
	52.3	54.4	49.4
	51.7	53.8	47.8

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre
(NM3a)

Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
22:00-22:15	49.5	51.6	45.8
	49.4	50.6	45.8
	49.4	51.5	45.1
22:15-22:30	50.4	52.3	45.2
	49.5	51.5	45.4
	50.2	52.0	44.9
22:30-22:45	49.3	51.8	44.6
	48.8	50.8	44.5
	48.2	50.0	44.7
22:45-23:00	48.2	50.1	44.9
	49.1	50.9	44.6
	48.3	50.6	44.4

Leq(5min), dB(A)	Average	Minimum	Maximum
		52.5	48.2

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
0700-07:15	57.4	61.8	50.5
	57.9	61.8	51.3
	58.2	62.0	51.5
07:15-07:30	57.1	60.8	51.5
	59.2	63.3	52.8
	59.8	63.3	52.5
07:30-07:45	58.7	62.5	51.5
	59.4	62.5	51.5
	58.6	62.5	51.5
07:45-08:00	59.5	62.8	52.0
	60.1	63.3	54.8
	59.7	62.5	53.8
08:00-08:15	59.4	62.8	52.8
	58.9	62.5	52.5
	58.5	62.3	52.3
08:15-08:30	58.2	61.8	51.5
	59.2	63.0	51.8
	58.6	62.3	52.3
08:30-08:45	59.6	63.3	53.8
	57.1	60.8	52.3
	59.4	63.3	52.8
08:45-09:00	57.9	61.3	52.8
	60.5	63.5	53.0
	64.4	63.8	54.3
09:00-09:15	60.2	63.8	53.5
	59.2	62.3	53.8
	61.2	64.5	53.3
09:15-09:30	61.3	64.0	53.5
	59.9	63.3	54.0
	60.3	63.3	55.0
09:30-09:45	59.9	64.0	53.3
	60.0	63.3	53.3
	61.9	63.8	53.5
09:45-10:00	59.0	62.5	52.0
	60.9	64.3	53.0
	60.4	63.8	54.0
10:00-10:15	60.2	63.8	52.8
	60.5	64.0	54.5
	60.1	63.8	54.5
10:15-10:30	59.6	63.3	54.0
	60.0	63.8	52.5
	59.2	62.5	53.5
10:30-10:45	60.4	63.5	54.0
	59.7	63.0	53.3
	60.1	63.8	53.3
10:45-11:00	59.0	62.3	53.0
	59.6	62.8	54.0
	60.5	63.8	54.3
11:00-11:15	60.6	64.3	54.5
	60.2	63.3	53.8
	60.3	64.5	54.0
11:15-11:30	60.3	64.0	53.5
	59.1	62.0	54.5
	61.0	64.8	54.0
11:30-11:45	59.0	62.8	53.8
	59.8	63.8	52.8
	59.8	63.3	54.3
11:45-12:00	60.0	63.3	54.3
	60.2	63.8	54.0
	61.0	64.8	54.3

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
12:00-12:15	59.3	62.5	54.8
	60.0	63.3	53.5
	59.5	63.5	53.0
12:15-12:30	60.0	63.5	53.3
	59.4	63.3	53.8
	60.1	63.0	54.5
12:30-12:45	60.2	64.0	53.8
	59.9	63.8	53.5
	59.8	63.5	54.0
12:45-13:00	59.8	62.8	52.5
	60.8	64.8	53.5
	60.6	64.3	53.0
13:00-13:15	61.1	64.0	53.5
	59.3	63.3	52.5
	59.0	62.3	53.5
13:15-13:30	60.0	63.3	54.3
	60.6	64.5	53.3
	59.3	62.5	53.8
13:30-13:45	59.3	62.5	53.8
	60.2	64.0	54.0
	59.4	63.5	53.3
13:45-14:00	59.2	63.0	53.3
	60.7	64.3	54.0
	60.2	63.3	54.3
14:00-14:15	59.4	62.8	54.3
	59.8	63.3	54.0
	60.2	63.5	55.0
14:15-14:30	60.3	64.3	54.0
	59.4	62.8	53.8
	59.9	63.8	52.5
14:30-14:45	59.2	62.3	54.0
	59.3	62.3	53.5
	59.5	63.0	54.0
14:45-15:00	59.6	63.3	54.5
	60.8	64.0	55.0
	59.1	62.8	53.3
15:00-15:15	58.9	62.3	53.3
	60.5	62.8	53.0
	59.4	62.8	55.0
15:15-15:30	58.8	62.8	53.0
	59.5	63.5	53.5
	59.7	63.8	53.5
15:30-15:45	60.1	63.3	54.0
	59.7	63.8	53.8
	59.9	63.0	55.0
15:45-16:00	59.7	63.3	52.8
	59.8	63.5	54.0
	58.4	61.5	53.5
16:00-16:15	58.9	62.8	53.5
	59.1	61.8	53.5
	60.6	64.0	54.8
16:15-16:30	59.6	63.3	53.3
	59.8	63.3	53.5
	60.9	64.0	54.0
16:30-16:45	60.1	63.5	54.3
	59.4	63.3	52.8
	59.6	63.3	53.8
16:45-17:00	58.9	62.5	53.3
	59.8	63.0	54.5
	58.9	63.0	53.0

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
17:00-17:15	59.9	63.5	53.5
	59.3	63.0	53.5
	59.6	62.8	54.5
17:15-17:30	59.1	62.3	53.8
	59.4	63.0	54.0
	60.6	63.8	54.5
17:30-17:45	61.3	64.5	54.5
	59.4	63.0	53.3
	59.5	63.3	53.0
17:45-18:00	59.2	62.8	54.0
	60.8	64.8	53.8
	60.1	63.3	54.0
18:00-18:15	61.2	64.5	54.3
	59.9	63.8	54.0
	61.1	64.5	55.3
18:15-18:30	59.8	64.0	53.3
	59.1	63.3	52.5
	59.0	62.0	53.0
18:30-18:45	61.6	65.0	53.3
	59.5	62.8	53.3
	59.4	63.3	53.0
18:45-19:00	60.6	64.3	53.0
	59.8	63.5	53.5
	59.4	63.0	53.5
19:00-19:15	60.4	63.7	54.1
	61.0	64.5	54.1
	62.1	65.3	54.7
19:15-19:30	60.2	63.8	54.4
	60.4	63.7	54.8
	60.9	64.2	54.6
19:30-19:45	60.4	63.9	54.5
	59.7	63.1	53.6
	59.9	63.3	53.7
19:45-20:00	60.1	63.5	53.9
	60.1	63.1	54.0
	60.2	63.5	54.1
20:00-20:15	60.5	63.8	54.0
	60.2	63.5	53.4
	60.3	63.1	53.7
20:15-20:30	59.9	63.0	53.5
	60.1	63.1	53.4
	59.4	62.7	53.2
20:30-20:45	59.6	63.1	53.4
	59.9	63.2	53.4
	59.4	62.8	53.5
20:45-21:00	59.9	63.4	52.9
	59.4	62.8	53.0
	59.6	62.8	52.7
21:00-21:15	59.9	63.4	53.3
	60.0	63.5	53.4
	59.8	63.1	53.0
21:15-21:30	59.8	62.7	53.0
	59.7	63.2	53.2
	59.6	63.2	53.4
21:30-21:45	58.9	62.4	52.7
	58.7	61.9	52.6
	59.1	62.0	53.0
21:45-22:00	58.8	62.2	53.0
	59.4	63.0	52.4
	58.7	62.0	52.9

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 Evening time on all days (1900- 2300 hrs) and Holidays (including Sundays)
 during the daytime and evening (0700-1900 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
22:00-22:15	59.0	62.3	52.3
	58.7	62.0	52.5
	59.4	62.9	53.0
22:15-22:30	58.4	61.6	51.8
	59.1	62.2	51.9
	58.5	61.5	52.0
22:30-22:45	58.5	61.8	52.0
	59.0	62.4	52.3
	58.1	61.3	51.6
22:45-23:00	58.4	61.6	51.3
	59.0	62.0	52.0
	57.3	60.6	50.5

Leq(5min), dB(A)	Average	Minimum	Maximum
		59.7	57.1

Monitoring Station ID: Ying Tung Estate (NM1)
 All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
23:00-23:15	53.5	55.1	50.5
	53.8	55.5	50.5
	53.9	55.8	50.4
23:15-23:30	53.6	54.9	50.3
	53.2	55.3	49.9
	52.2	54.1	49.3
23:30-23:45	53.5	55.5	49.5
	52.5	53.8	49.5
	53.4	55.8	49.8
23:45-00:00	51.8	53.1	48.9
	53.2	55.6	49.1
	52.6	54.7	48.9
00:00-00:15	53.6	55.3	49.0
	54.0	56.6	49.3
	52.1	53.8	48.9
00:15-00:30	53.2	55.8	49.0
	52.3	54.6	48.5
	52.5	54.9	48.4
00:30-00:45	51.7	53.6	47.9
	52.6	54.8	48.1
	51.4	53.2	47.9
00:45:01:00	52.0	54.3	47.6
	51.5	53.3	47.6
	50.9	53.0	47.5
01:00-01:15	52.2	53.8	47.7
	51.1	52.7	47.9
	51.4	52.9	48.0
01:15-01:30	51.3	52.6	47.7
	50.2	52.1	47.5
	49.8	51.3	47.4
01:30-01:45	50.0	51.5	47.0
	50.0	51.8	47.2
	49.2	50.6	47.1
01:45-02:00	50.8	51.0	46.9
	49.0	50.8	46.8
	49.7	50.5	46.9
02:00-02:15	50.0	51.5	46.7
	49.6	51.3	46.7
	48.7	50.3	46.5
02:15-02:30	50.0	52.0	46.7
	49.6	50.9	46.5
	49.4	50.8	46.3
02:30-02:45	48.6	49.9	46.2
	48.5	50.2	45.9
	48.6	50.5	45.9
02:45-03:00	48.6	50.4	46.0
	48.1	49.6	45.9
	48.8	50.5	46.1
03:00-03:15	48.4	49.6	46.1
	49.2	50.9	46.4
	48.6	50.1	46.3
03:15-03:30	48.7	50.0	46.2
	48.6	49.8	46.4
	48.0	49.3	46.3
03:30-03:45	48.5	49.9	46.1
	49.1	50.7	46.1
	48.6	50.4	46.2
03:45-04:00	49.4	51.3	45.8
	49.3	51.0	46.2
	49.0	51.0	46.1

Monitoring Station ID: Ying Tung Estate (NM1)
 All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
04:00-04:15	48.9	50.9	46.1
	49.2	51.2	46.3
	49.0	50.8	46.3
04:15-04:30	49.7	51.8	46.5
	50.5	52.5	46.5
	49.4	51.2	46.5
04:30-04:45	49.9	51.5	46.6
	49.3	50.5	46.4
	49.7	51.2	46.6
04:45-05:00	48.5	49.8	46.6
	48.7	50.0	46.8
	48.7	50.1	46.4
05:00-05:15	49.4	50.8	46.9
	49.1	50.6	47.3
	49.8	51.2	47.1
05:15-05:30	49.6	50.9	47.3
	50.3	51.8	47.4
	49.9	51.1	47.7
05:30-05:45	50.1	51.1	47.9
	50.4	51.6	47.8
	51.3	52.3	48.0
05:45-06:00	50.6	51.8	48.1
	51.0	52.6	48.1
	50.9	52.6	48.4
06:00-06:15	51.7	53.6	48.7
	51.2	53.0	48.8
	52.3	54.1	49.3
06:15-06:30	52.5	54.5	49.3
	52.9	54.6	49.9
	53.0	54.8	50.3
06:30-06:45	54.0	56.6	50.6
	53.7	55.8	50.9
	54.3	56.5	51.3
06:45-07:00	55.0	57.1	51.8
	55.5	57.0	51.9
	55.6	57.5	52.0

Leq(5min), dB(A)	Average	Minimum	Maximum
		50.8	48.0

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
23:00-23:15	62.3	65.8	54.1
	62.5	66.3	54.3
	62.9	66.4	54.2
23:15-23:30	63.2	66.7	54.0
	62.2	65.8	54.4
	62.1	65.5	53.5
23:30-23:45	63.1	66.5	54.2
	62.6	66.1	53.3
	62.0	65.4	52.5
23:45-00:00	61.3	64.8	52.0
	62.3	65.9	52.5
	62.0	65.1	51.9
00:00-00:15	61.4	64.6	53.3
	62.2	66.1	52.9
	61.7	65.2	52.4
00:15-00:30	60.9	64.4	51.8
	60.4	63.7	51.5
	60.8	64.0	51.2
00:30-00:45	60.5	63.8	51.5
	59.6	62.9	50.4
	60.0	63.3	50.2
00:45-01:00	59.0	62.3	49.7
	58.2	61.5	49.1
	59.5	62.8	49.5
01:00-01:15	59.4	62.9	49.4
	59.4	63.0	49.8
	58.6	61.9	49.4
01:15-01:30	58.7	61.7	48.8
	59.1	62.1	49.2
	58.0	61.1	48.3
01:30-01:45	57.2	60.3	48.1
	57.1	60.7	47.9
	57.5	60.3	47.5
01:45-02:00	57.3	60.4	47.3
	56.5	59.4	47.5
	57.0	60.5	47.7
02:00-02:15	56.6	59.7	47.8
	57.1	60.1	47.6
	56.4	59.4	47.5
02:15-02:30	56.5	59.5	46.4
	56.5	59.4	46.5
	55.6	58.4	46.5
02:30-02:45	55.8	58.9	46.8
	55.7	58.4	46.5
	55.5	58.6	46.4
02:45-03:00	55.6	58.3	46.4
	56.3	59.3	46.2
	56.1	59.2	46.8
03:00-03:15	55.3	58.3	47.0
	55.7	58.4	47.4
	55.4	58.6	46.5
03:15-03:30	55.9	58.8	48.0
	57.0	60.3	46.7
	56.2	59.8	46.5
03:30-03:45	55.9	58.9	46.0
	56.9	59.8	47.5
	56.3	59.2	46.4
03:45-04:00	56.1	59.1	46.4
	57.2	60.3	46.5
	56.3	59.6	46.0

Monitoring Station ID: Tung Chung Crescent – street level facing the open space inside Tung Chung Crescent (NM2a)

All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
04:00-04:15	56.4	59.5	47.0
	55.4	58.6	46.9
	56.2	59.4	47.4
04:15-04:30	56.9	60.1	47.1
	56.4	59.5	47.4
	56.4	59.3	47.3
04:30-04:45	57.2	60.1	49.1
	58.9	61.7	48.4
	57.3	60.6	47.5
04:45-05:00	57.5	60.5	48.3
	57.8	61.0	49.2
	59.0	61.9	49.9
05:00-05:15	58.9	62.1	49.9
	58.6	61.8	49.9
	58.7	62.3	50.0
05:15-05:30	58.8	61.8	51.6
	59.2	62.6	49.7
	60.3	63.6	50.2
05:30-05:45	61.5	64.9	50.9
	61.1	64.4	51.4
	60.8	64.2	51.9
05:45-06:00	61.9	65.5	52.1
	62.0	65.7	52.4
	61.9	65.4	53.1
06:00-06:15	61.7	64.9	53.4
	61.7	65.1	52.9
	62.0	65.6	53.5
06:15-06:30	62.5	66.0	55.6
	62.6	66.0	55.1
	62.7	66.1	56.2
06:30-06:45	62.8	66.3	55.7
	62.7	65.9	56.3
	63.6	67.0	57.1
06:45-07:00	62.7	65.9	56.7
	64.3	67.5	57.6
	63.9	67.1	58.3

Leq(5min), dB(A)	Average	Minimum	Maximum
	59.1	55.3	64.3

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
23:00-23:15	50.2	52.0	48.0
	49.7	51.2	47.8
	49.8	51.4	47.7
23:15-23:30	49.3	50.9	47.6
	49.1	50.6	47.6
	49.2	50.7	47.3
23:30-23:45	48.7	50.8	46.2
	47.3	49.7	44.2
	47.6	50.1	44.3
23:45-00:00	47.6	49.6	44.3
	47.3	49.6	44.1
	46.5	48.5	43.7
00:00-00:15	46.3	48.3	43.4
	46.5	48.6	43.6
	45.9	48.1	43.4
00:15-00:30	46.2	48.3	43.5
	46.2	48.2	43.3
	45.8	47.9	42.8
00:30-00:45	45.8	47.9	42.8
	45.0	47.0	42.4
	45.0	47.2	42.2
00:45-01:00	45.1	47.4	42.0
	44.9	47.2	41.6
	45.0	46.9	41.7
01:00-01:15	44.4	46.6	41.2
	44.6	46.9	41.3
	45.1	47.4	41.6
01:15-01:30	44.4	46.8	41.0
	44.4	46.6	41.2
	44.8	47.7	40.0
01:30-01:45	43.7	46.2	39.9
	42.4	44.3	39.5
	43.7	45.8	39.9
01:45-02:00	42.3	44.2	39.2
	44.1	46.2	39.5
	44.6	47.2	39.9
02:00-02:15	43.1	45.1	39.3
	43.2	45.4	39.6
	43.5	45.9	39.9
02:15-02:30	44.4	47.1	39.6
	42.6	44.8	39.5
	41.7	43.9	38.8
02:30-02:45	42.1	44.4	38.9
	42.0	44.3	38.8
	42.0	44.1	38.6
02:45-03:00	41.8	43.7	38.4
	42.5	44.5	38.9
	41.9	43.8	38.6
03:00-03:15	42.3	44.3	39.0
	42.5	44.8	38.7
	41.2	43.2	38.8
03:15-03:30	41.2	42.9	38.8
	41.8	43.9	38.6
	41.4	43.4	38.2
03:30-03:45	44.1	46.4	38.5
	50.0	53.3	39.8
	46.1	48.8	39.3
03:45-04:00	48.2	50.9	39.6
	45.4	48.4	39.1
	43.0	45.1	38.9

Monitoring Station ID: Tung Chung Crescent – street level near Tung Chung Station (NM2b)

All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
04:00-04:15	43.3	45.3	38.6
	41.5	43.5	38.7
	42.6	44.9	39.1
04:15-04:30	42.9	45.1	39.1
	43.7	46.3	39.5
	42.8	45.0	39.5
04:30-04:45	44.2	46.9	39.6
	41.9	44.2	38.6
	42.4	44.7	38.9
04:45-05:00	43.9	45.8	39.4
	44.2	46.6	39.4
	44.6	47.0	40.6
05:00-05:15	45.1	47.3	40.8
	44.5	47.0	40.7
	44.7	47.5	40.7
05:15-05:30	43.9	46.2	40.5
	44.0	46.0	40.8
	45.1	47.5	40.7
05:30-05:45	43.8	45.8	40.9
	44.0	46.3	40.8
	45.0	47.4	41.6
05:45-06:00	45.4	47.8	42.0
	45.1	47.5	41.9
	45.1	47.8	41.7
06:00-06:15	45.4	47.7	42.1
	45.7	47.7	42.6
	46.1	48.0	43.1
06:15-06:30	45.9	48.2	43.2
	45.9	47.8	43.0
	46.4	48.8	43.3
06:30-06:45	46.9	49.3	43.9
	46.3	48.4	43.8
	47.7	50.0	44.6
06:45-07:00	48.8	50.9	45.6
	50.1	52.2	47.1
	50.9	53.0	47.5

Leq(5min), dB(A)	Average	Minimum	Maximum
	45.0	41.2	50.9

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre
(NM3a)

All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
23:00-23:15	47.2	48.9	44.3
	49.1	51.2	44.3
	48.2	49.9	44.1
23:15-23:30	48.6	50.1	43.4
	47.4	49.9	43.5
	47.4	49.3	43.5
23:30-23:45	47.3	49.2	43.7
	47.8	49.4	43.5
	47.4	49.5	43.2
23:45-00:00	46.7	48.8	42.7
	46.8	49.0	42.7
	46.8	49.2	42.9
00:00-00:15	47.4	48.8	42.5
	46.8	48.5	42.2
	46.9	49.2	42.4
00:15-00:30	46.1	47.8	42.8
	46.7	48.5	42.6
	46.0	48.1	42.1
00:30-00:45	47.0	49.3	42.8
	46.5	48.9	42.8
	46.7	48.7	42.9
00:45-01:00	46.6	49.0	42.5
	46.5	48.9	42.8
	46.8	48.5	42.5
01:00-01:15	46.7	48.7	42.8
	47.2	48.6	42.7
	46.1	48.3	42.4
01:15-01:30	45.8	47.8	42.6
	46.1	48.0	41.9
	44.9	46.8	41.8
01:30-01:45	45.3	47.2	42.0
	45.9	47.9	42.3
	45.1	47.0	41.4
01:45-02:00	45.0	46.6	41.0
	44.2	45.8	41.1
	44.2	45.8	40.9
02:00-02:15	43.6	45.2	40.6
	45.1	46.9	40.9
	44.0	46.2	40.7
02:15-02:30	44.3	46.3	41.0
	45.1	46.9	41.2
	45.6	47.8	40.7
02:30-02:45	43.7	45.5	40.4
	43.1	44.8	40.3
	42.8	44.6	40.2
02:45-03:00	43.7	45.4	40.4
	44.1	45.1	40.4
	44.3	45.8	40.3
03:00-03:15	42.1	44.1	38.5
	42.3	44.5	38.7
	41.8	44.0	38.6
03:15-03:30	43.2	44.9	38.5
	42.9	44.6	39.2
	42.5	44.5	39.3
03:30-03:45	42.3	44.6	38.5
	41.5	43.6	38.4
	42.6	44.7	38.7
03:45-04:00	42.2	44.7	38.9
	43.2	45.6	39.2
	43.5	45.3	39.5

Monitoring Station ID: 2/F rooftop of Yat Tung Shopping Centre
(NM3a)

All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
04:00-04:15	44.2	46.1	40.9
	45.1	47.4	41.3
	44.7	47.0	40.9
04:15-04:30	44.1	46.3	40.8
	44.7	47.1	40.7
	44.7	47.0	40.8
04:30-04:45	44.9	46.8	40.1
	44.6	46.7	40.7
	44.8	46.8	40.4
04:45-05:00	44.2	46.1	40.3
	43.1	45.1	40.4
	43.6	45.5	40.7
05:00-05:15	43.6	45.4	40.6
	43.3	45.1	40.8
	43.5	45.0	41.1
05:15-05:30	44.0	45.5	41.1
	45.2	46.7	41.8
	44.4	46.0	41.9
05:30-05:45	45.1	46.5	42.2
	45.0	46.4	42.7
	44.6	45.9	42.7
05:45-06:00	45.6	47.5	42.9
	44.9	46.3	42.7
	45.5	47.4	42.7
06:00-06:15	44.3	46.2	42.0
	45.1	47.0	42.0
	45.4	47.0	41.8
06:15-06:30	44.6	46.2	42.1
	44.6	46.0	42.5
	47.0	48.7	43.1
06:30-06:45	48.8	50.4	46.0
	50.1	51.4	48.7
	51.2	52.9	48.8
06:45-07:00	51.6	53.6	49.1
	51.6	53.2	49.0
	51.5	53.1	49.3

Leq(5min), dB(A)	Average	Minimum	Maximum
	45.4	41.5	51.6

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
23:00-23:15	57.7	60.8	51.0
	58.9	62.0	51.3
	57.7	61.2	50.8
23:15-23:30	57.2	60.2	49.4
	56.4	59.6	49.8
	57.7	61.1	50.5
23:30-23:45	57.9	60.8	50.3
	57.5	61.0	49.9
	57.0	60.6	49.7
23:45-00:00	56.2	59.6	49.5
	56.0	59.5	48.9
	55.7	58.7	49.2
00:00-00:15	57.6	61.3	49.9
	56.7	60.3	48.9
	56.7	60.5	49.4
00:15-00:30	56.1	59.9	48.9
	55.5	59.0	47.6
	55.0	58.6	48.4
00:30-00:45	55.8	59.6	48.3
	55.7	59.3	47.9
	55.8	59.3	48.6
00:45-01:00	56.2	59.8	49.0
	56.0	59.4	48.2
	57.1	60.3	49.0
01:00-01:15	57.7	60.8	48.6
	54.9	58.5	47.4
	55.1	58.5	47.2
01:15-01:30	55.1	58.6	46.9
	54.5	57.0	46.6
	54.1	57.7	47.3
01:30-01:45	53.6	57.2	46.5
	53.6	57.1	45.9
	53.7	57.0	46.6
01:45-02:00	54.9	58.0	47.4
	54.9	57.6	46.8
	53.5	57.1	46.6
02:00-02:15	53.6	57.5	46.0
	54.4	57.7	45.8
	53.2	56.7	45.9
02:15-02:30	53.5	57.0	46.5
	54.5	57.6	46.3
	53.8	57.7	45.8
02:30-02:45	55.0	58.6	46.4
	55.7	58.6	46.3
	52.1	55.8	45.2
02:45-03:00	51.3	54.8	44.8
	51.5	54.8	44.6
	53.4	56.3	45.1
03:00-03:15	51.6	54.8	44.6
	52.2	55.8	45.1
	52.6	55.9	45.3
03:15-03:30	54.4	57.9	46.2
	53.1	56.7	45.0
	52.7	56.2	44.8
03:30-03:45	52.3	55.6	45.0
	51.7	55.0	45.1
	51.6	55.3	44.8
03:45-04:00	52.4	55.9	44.8
	52.7	56.2	44.9
	52.5	56.2	44.8

Monitoring Station ID: Caribbean Coast Podium Garden (NM4b)
 All days during the night-time (2300-0700 hrs)

Time slot	Noise Level, dB(A) ^[1]		
	Leq (5min)	L10	L90
04:00-04:15	54.3	58.0	45.5
	55.0	58.3	46.0
	53.4	57.3	45.4
04:15-04:30	54.3	58.4	45.6
	53.2	56.7	45.8
	54.0	58.0	46.3
04:30-04:45	52.9	56.4	45.7
	55.3	59.0	46.1
	53.3	56.8	45.5
04:45-05:00	56.2	59.2	47.3
	55.5	59.0	46.3
	53.9	57.5	45.9
05:00-05:15	52.4	56.0	45.5
	51.9	55.3	45.9
	53.4	57.1	46.3
05:15-05:30	53.9	57.6	46.9
	53.2	56.8	46.7
	53.8	57.6	46.8
05:30-05:45	56.5	60.0	48.3
	55.6	59.3	47.7
	55.2	59.1	48.0
05:45-06:00	56.4	60.0	48.9
	56.8	60.3	49.3
	58.2	61.7	51.0
06:00-06:15	57.3	61.2	49.8
	57.6	61.2	50.3
	56.2	59.9	49.0
06:15-06:30	57.4	60.7	49.9
	58.1	62.0	50.9
	59.2	63.0	51.7
06:30-06:45	59.3	63.0	51.8
	59.4	63.1	51.8
	58.5	62.0	51.6
06:45-07:00	58.7	62.2	52.2
	59.2	62.8	52.5
	59.7	63.1	53.4

Leq(5min), dB(A)	Average	Minimum	Maximum
		55.2	51.3