



Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit
(EM&A) Report (August 2019 - October 2019)

December 2019

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This Quarterly EM&A Report has been reviewed and certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).

Certified by:



Brian Tam
Environmental Team Leader (ETL)
West Kowloon Cultural District Authority

Date

23 DEC 2019

Verified by:



Fredrick Leong
Independent Environmental Checker (IEC)
Meinhardt Infrastructure & Environment Ltd

Date

23-12-2019

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Executive summary

This Quarterly EM&A Report presents the monitoring works at both the main works of M+ Museum and Lyric Theatre Complex conducted from 1 August 2019 to 31 October 2019.

The impact stage EM&A programme for the Project includes air quality, noise, water quality, waste, landscape and visual monitoring. The recommended environmental mitigation measures were implemented on site and regular inspections were carried out to ensure that the environmental conditions are acceptable.

The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the contractors where appropriate in the reporting quarter.

Exceedance of Action and Limit Levels

No exceedance of Action Level of 24-hour TSP for Air Quality was recorded. There was no breach of Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out to confirm the implementation measures undertaken by the Contractors in the reporting quarter. The status of implementation of mitigation measures during the reporting quarter is shown in **Appendix C**.

Landscape and visual impact inspections were conducted as part of the abovementioned weekly site inspections during the reporting quarter. No adverse comment on landscape and visual aspects was made during these inspections.

Record of Complaints

One environmental complaint was received during the reporting quarter.

Record of Notification of Summons and Successful Prosecutions

No notification of summon and successful prosecution was recorded in the reporting quarter.

1 Introduction

1.1 Background

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex including the Foundation Works (Contract No.: CC/2015/3A/014) and L1 Contract (Contract No. CC/2017/3A/030) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively. The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an “engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000” (Item 3 of Schedule 3) and “an underpass more than 100m in length under the built areas” (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/B (EP) was issued with respect to the “Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District” which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO. The captioned projects include part of the abovementioned underpass road located within the site boundary also falls under this same category.

The M+ museum development aims to provide an iconic presence for the M+ museum, semi-transparent vertical plane, housing education facilities, a public restaurant and museum offices. At ground and lower levels, generous access will be provided to the park and other West Kowloon Cultural District facilities, alongside a public resource centre, theatres, retail and dining, and back-of-house functions.

The 1,200-seat Lyric Theatre Complex will be Hong Kong’s first world-class facility for dance performances, including ballet, contemporary and Chinese dance forms. In the run up to the opening of further major performing arts venues in the WKCD, it will also be used for a wide variety of performing arts events including drama, opera and musical performances. The Lyric Theatre Complex will act as a platform for Hong Kong’s leading arts organisations, and be a new major venue to show programmes from Asia and worldwide.

The Quarterly EM&A Report is prepared in accordance with the Clause 3.4 of the Environmental Permit No. EP-453/2013/B. This Quarterly EM&A Report presents the monitoring works conducted from 1 August 2019 to 31 October 2019. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure together with the contact information of the key personnel are shown in **Appendix A**.

1.3 Environmental Status in the Reporting Period

During the reporting period, construction works at M+ Museum undertaken include:

- Structure
 - M+ Podium: Structural works completed

- CSF RT/F: Structural works completed
- CSF RF: Structure work for Slab
- RDE 15F: Structure work for Slab rebar & column preparation
- RDE RF: Structure work for Slab
- Facade
 - Installation of panels on M+ tower completed
 - Erection of 1MF scaffold for 1MF Installation
 - Installation of façade on 7/F, 10/F and 12/F of RDE
- MEP
 - BEL, ELV, BFS, BPD, BME works from B2 to 3/F of M+
 - BEL, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
 - BEL, ELV, BFS, BPD, BME works from G/F to 11/F of CSF
- ABWF
 - Block wall erection, Floor screed for plant room area and corridor area, wall plastering, raised floor & dry wall work up to M+ G/F – 3/F
 - Blockwork plaster, paint/sealer, plaster, drywall subframe, Front of house work wall plastering work up to M+ 16/F
 - Fairface remedial work, gypsum block, waterproofing, floor screed, foamglas and gypsum block, skim coat and painting, self-levelling screed, floating floor of CSF building from 1/F to 8/F
 - Steel platform, plastering, Artwall/drywall stud erection, False ceiling sub-frame installation of RDE from 1/F to 5/F

During the reporting period, construction works at Lyric Theatre Complex undertaken include:

- Concreting and rebar fixing in main cofferdam and Area 6
- Drainage and water mains work (PIW works)
- Excavation and ELS works at Main Cofferdam
- Extended basement structure construction of Area 6 and Main Cofferdam
- Grouting activities
- Installation of ELS
- Installation of formwork
- Concrete breaking
- Clutches pipe pile

The Construction Works Programme of the Project is provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**.

2 Summary of EM&A Requirements

2.1 Monitoring Requirements

In accordance with the EM&A Manual, environmental parameters including air quality, noise, landscape and visual have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit levels are given in **Table 2.1**. Locations of the monitoring stations are provided in **Figure 1**.

Table 2.1: Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies	Action level	Limit level
Air Quality	24-Hour TSP	AM1 - International Commerce Centre	At least once every 6 days	143.6 µg/m ³	260 µg/m ³
	1-Hour TSP	AM1 - International Commerce Centre	At least 3 times every 6 days	273.7 µg/m ³	500 µg/m ³
	24-Hour TSP	AM2B - 1st Floor of Gammon's Site Office	At least once every 6 days	151.1 µg/m ³	260 µg/m ³
	1-Hour TSP	AM2B - 1st Floor of Gammon's Site Office	At least 3 times every 6 days	274.2 µg/m ³	500 µg/m ³
Noise	Leq, 30 minutes	NM1A - International Commerce Centre	Weekly	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
Landscape & Visual	Monitor implementation of proposed mitigation measures during the construction stage	As described in Table 9.1 and 9.2 of the EM&A Manual	Bi-weekly	N/A	N/A

Given that the Project covers only a small part of the whole WKCD area (i.e. M+ Museum, Lyric Theatre Complex and respective portions of underpass road), it was proposed that the EM&A programme for the Project should only require 1 noise monitoring station and 2 air quality monitoring stations located closest to the Project area. Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring stations AM1, AM2 were set up. However, the electricity supply at AM2 was suspended from 31 August 2016 and was no longer available. In order to have a more secure electricity supply, an alternative air monitoring location (AM2A) was identified at Austin Road West opposite to The Harbourside Tower 1, which is close to Lyric Theatre Complex site entrance. This alternative air monitoring location was approved by EPD on 28 September 2016. Due to works programme, the air monitoring location AM2A has been relocated to the alternative monitoring location AM2B at the 1st floor of Gammon's site office, which was approved by EPD on 21 February 2019. Meanwhile, the opportunity of setting up the air monitoring location at The Harbourside is being explored. Approval from the management office of the International Commerce Centre has been granted on 29 February 2016 for conducting noise monitoring at the alternative noise monitoring location identified at the podium floor (NM1A) which is free from screening to the construction activities. Therefore, 2 air quality monitoring stations and 1 noise impact monitoring station were confirmed for the impact monitoring.

2.2 Environmental Mitigation Measures

Environmental mitigation measures have been recommended in the EM&A Manual. Summary of implementation status of the environmental mitigation measures is provided in **Appendix C**.

3 Summary of EM&A Monitoring Results

3.1 Monitoring Data

In accordance with the EM&A Manual, impact monitoring has been conducted in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and presented in **Appendix D**. Monitoring data with graphical presentation for the reporting quarter are shown in **Appendix E**. A summary on the monitoring results are presented in **Table 3.1**.

Table 3.1: Summary of Monitoring Data

Parameter	Monitoring Location	Minimum	Maximum	Average
Air Quality				
1 hour TSP	AM1	24	83	43
1 hour TSP	AM2B	38	85	59
24 hour TSP	AM1	10	42	25
24 hour TSP	AM2B	15	84	45
Construction Noise				
Leq(30min)	NM1A	68	69	69

3.2 Monitoring Exceedances

Summary of the exceedances in the reporting quarter is tabulated in **Table 3.2**.

Table 3.2: Summary of Exceedances

Monitoring Station	Parameter	No. of Exceedance		Action Taken
		Action Level	Limit Level	
Air Quality				
AM1	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
AM2B	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
Construction Noise				
NM1A	Leq(30min)	0	0	N/A

3.2.1 1-hour TSP Monitoring

All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.2 24-hour TSP Monitoring

All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No exceedance of Action Level of 24-hour TSP for Air Quality was recorded, while there was no Limit Level exceedance.

3.2.3 Construction Noise Monitoring

All construction noise monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.4 Landscape and Visual Monitoring

All landscape and visual impact inspections were conducted as scheduled in the reporting quarter. No adverse comment on landscape and visual aspects was recorded.

4 Waste Management

4.1 M+ Museum

As advised by the Contractor, 0.0 tonnes, 387.83 tonnes and 388.81 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively in the reporting quarter, while 1815.0 tonnes of general refuse were disposed of at SENT landfill. 142.9 tonnes of metals, 0.0 tonnes of paper/cardboard packaging, 0.0 tonne of plastic and 870.0 tonne of timber was collected by recycling contractors in the reporting quarter. 0 tonne of inert C&D materials were reused on site. 55.2 tonne of inert C&D materials were reused in other projects and 711.1 tonnes of inert C&D materials were disposed to sorting facility. 0.4 tonne of chemical wastes was collected by licensed contractors in the reporting quarter.

The actual amounts of different types of waste generated by the activities of construction works at M+ Museum in the reporting quarter are shown in **Appendix F**.

4.2 Lyric Theatre Complex

As advised by the Contractor, 6,256.01, 6,008.99 and 0.0 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137, Tuen Mun Area 38, and Chai Wan Public Fill Barging Point respectively in the reporting quarter, while 411.0 tonnes of general refuse were disposed of at SENT landfill. 70.5 tonnes of metals, 0.0 tonnes of paper/cardboard packaging, 2.4 tonne of plastic and 0.0 tonne of timber was collected by recycling contractors in the reporting quarter. 0.0 tonne of inert C&D materials was reused on site. 143.0 tonnes of fill materials were imported for use at site and 0.0 tonnes of inert C&D materials were reused in other projects. 82.9 tonnes of inert C&D materials were disposed to sorting facility and 0.6 tonne of chemical wastes was collected by licensed contractors in the reporting quarter.

The actual amounts of different types of waste generated by the activities of construction works at Lyric Theatre Complex in the reporting quarter are shown in **Appendix F**.

5 Environmental Non-conformance

No exceedance of Action Level of 24-hour TSP for Air Quality was recorded at monitoring station AM2A, while there was no breach of Limit Level for Air Quality and Action or Limit Levels for Noise monitoring in the reporting quarter.

There was no breach of Limit Level for Air Quality and Action or Limit Levels for Noise monitoring in the reporting month.

One environmental complaint and no notification of summon or successful prosecution was received in the reporting quarter.

Referred an email from EPD dated 5 August 2019, a complaint was received from the resident of the Victoria Towers about muddy water was discharged to the Victoria Harbour from the Lyric Theatre Complex.

After the investigation, the complaint was found to be non-project related. The muddy water discharged to the harbour was unlikely to be from the works of the Lyric Theatre Complex. Moreover, it should be noted that beside the Lyric Theatre Complex construction work, there were other construction works carried out by other contractors which may also contributed to the muddy water discharge. However, the contractor will continue implement on-site water quality mitigation measures to ensure the water discharge complies with the standards as stipulated in the discharge licence. The "Investigation Report for Complaint of Muddy Water Generated from the WKCD Construction Site" was submitted to EPD on 26 August 2019.

On 28 August 2019, an email was received from EPD again regarding a site photo (taken approximate at 6 pm on 3 August 2019) from a complainant showing muddy water was discharged at seafront near WKCD Lyric Theatre site. Therefore, EPD would like to further investigate the complaint and provide additional information in the further investigation report for the complaint dated 5 August 2019.

After further investigation, no evidence was shown the muddy water discharged to the harbour was related to Lyric Theatre Complex. Also, it should be noted that besides the construction work at Lyric Theatre Complex, there were other construction works carried out by other contractors which may also contribute to the muddy water discharge. Nevertheless, the contractor was reminded to closely monitoring the situation and the water discharge quality.

The cumulative statistics on complaints, notifications of summons and successful prosecutions were provided in **Appendix G**.

6 Comments, Recommendations and Conclusion

6.1 Comments

Based on the observations made during site audits and landscape inspections, and construction dust and noise monitoring results, no non-compliances and exceedances of air quality and noise limits were recorded.

6.2 Recommendations

Reviewing the implementation of the recommended mitigation measures in the EM&A Manual, it was observed that they were effective and efficient in controlling the potential impacts due to construction of the project during the reporting period. Review of the effectiveness and efficiency of the EM&A programme will continue, and recommendations will be provided to remediate any potential impacts due to the project and to improve the EM&A programme if deficiencies of the existing EM&A programme are identified.

6.3 Conclusion

The EM&A programme as recommended in the EM&A Manual has been undertaken since the construction works of M+ Museum main works commenced on 31 October 2015, and the construction of Lyric Theatre Complex commenced on 1 March 2016.

Monitoring of air quality and noise with respect to the Project is underway. In particular, the 1-hour TSP, 24-hour TSP, noise level (as Leq, 30 minutes) under monitoring have been checked against established Action and Limit levels. No exceedance of Action Level of 24-hour TSP for Air Quality was recorded. There was no breach of Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

One environmental complaint was received during the reporting quarter. No notification of summons and no successful prosecution were received during the reporting quarter.

Weekly construction phase site inspections and bi-weekly landscape and visual impact inspections were conducted during the reporting quarter as required. It was observed that the Contractor had implemented all possible and feasible mitigation measures to mitigate the potential environmental impacts during construction phase works.

Figure 1 Site Layout Plan and Monitoring Stations

Appendices

- A. Project Organisation
- B. Construction Programme
- C. Environmental Mitigation Measures – Implementation Status
- D. Meteorological Data Extracted from Hong Kong Observatory
- E. Graphical Plots of the Monitoring Results
- F. Waste Flow table
- G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

A. Project Organisation

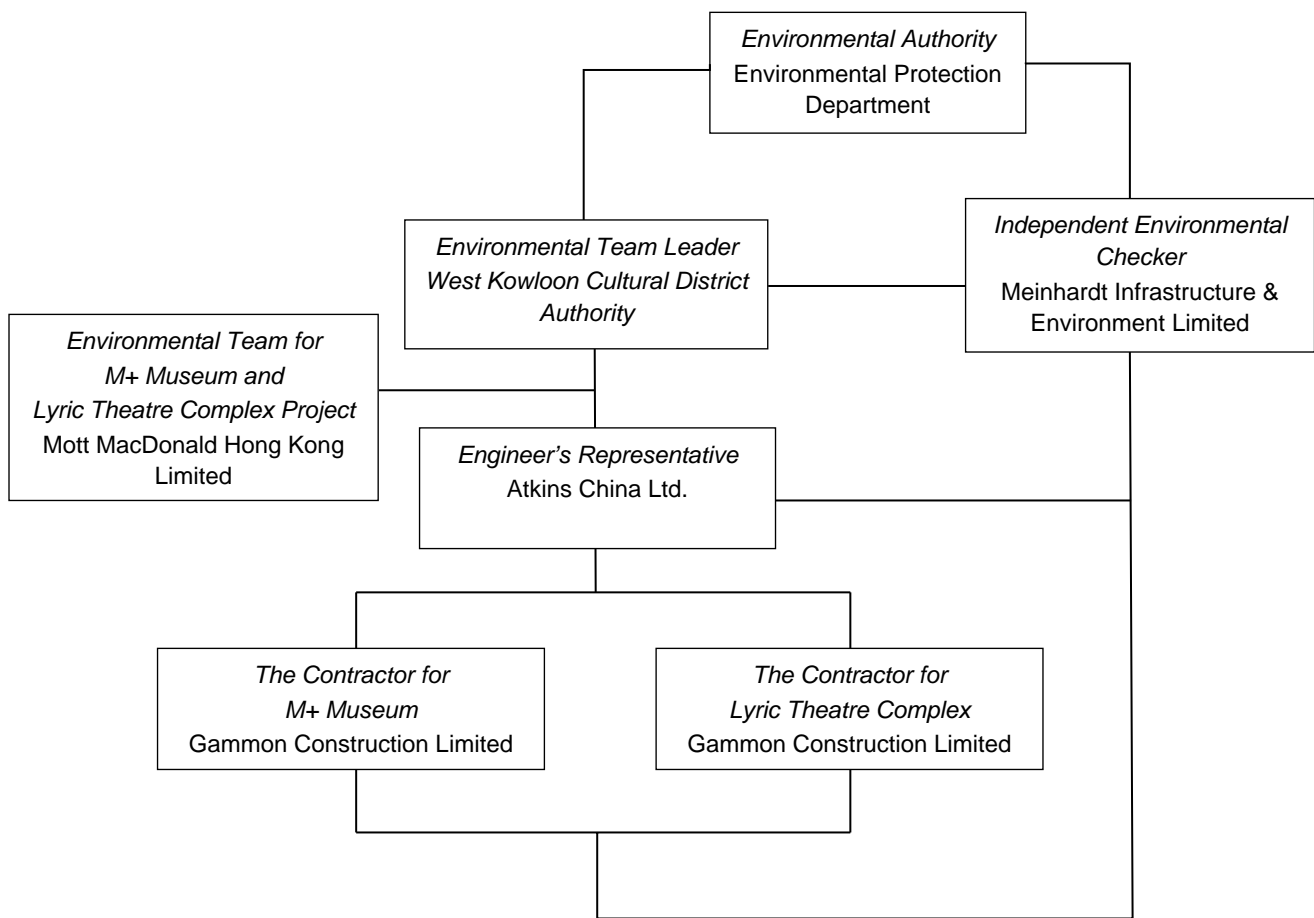


Table A-1: Contact information

Company Name	Role	Name	Telephone
Atkins China Ltd.	Assistant Resident Engineer	Ms. Gloria Lui	5506 6361
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Mr. Fredrick Leong	2859 1739
Gammon Construction Limited (M+ Museum)	Environmental Manager	Mr. Andy Leung	9489 0035
Gammon Construction Limited (Lyric Theatre Complex)	Environmental Manager	Ms. Sammie Chan	9864 4296
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr. Thomas Chan	2828 5757
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

B. Construction Programme

M+ Museum

ID	Activity	OD	Start	Finish	TF	2019												2020											
						Qtr 4			Qtr 1			Qtr 2			Qtr 3			Qtr 4			Qtr 1			Qtr 2			Qtr 3		
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Level 2																													
Level 2 Summary																													
9543	[LoE] POD_L2 - Structural Works	120	27-Oct-18	25-Mar-19	27																								
9547	[LoE] POD_L2_Z01_Temp Exh/Gal/BoH/Lob/Corr - MEP Works	199	26-Feb-19	23-Oct-19	36																								
9548	[LoE] POD_L2_Z01_Temp Exh/Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air	201	13-Feb-19	12-Oct-19	205																								
9549	[LoE] POD_L2_Z01_Temp Exh/Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air	81	23-Dec-19	06-Apr-20	70																								
9550	[LoE] POD_L2_Z02_Gal/BoH/Lob/Corr - MEP Works	209	21-Mar-19	27-Nov-19	6																								
9551	[LoE] POD_L2_Z02_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd)	211	14-Mar-19	22-Nov-19	176																								
9552	[LoE] POD_L2_Z02_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air req'd)	130	18-Nov-19	28-Apr-20	51																								
9553	[LoE] POD_L2_Z03_Gal/BoH/Lob/Corr - MEP Works	210	16-Mar-19	23-Nov-19	9																								
9554	[LoE] POD_L2_Z03_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd)	232	14-Mar-19	17-Dec-19	155																								
9555	[LoE] POD_L2_Z03_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air req'd)	91	21-Jan-20	15-May-20	37																								
9557	[LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - MEP Works	207	23-Mar-19	27-Nov-19	66																								
9558	[LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd)	250	19-Mar-19	14-Jan-20	133																								
9559	[LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air req'd)	150	18-Nov-19	22-May-20	31																								
9560	[LoE] POD_L2_Z05_Plaza - MEP Works	108	08-Jul-19	14-Nov-19	18																								
9561	[LoE] POD_L2_Z05_Plaza - ABWF Works	186	11-Jun-19	20-Jan-20	128																								
Level L3																													
Level 2 Summary																													
9562	[LoE] POD_L3 - Structural Works	165	31-Oct-18	22-May-19	65																								
9563	[LoE] POD_L3_Z01 & L3_Z02 - MEP Works	159	19-Apr-19	29-Oct-19	32																								
9564	[LoE] POD_L3_Z01 & L3_Z02 - ABWF Works	201	25-Mar-19	22-Nov-19	177																								
9751	[LoE] POD_L3_Hard & Soft Landscaping incl MEP Works	264	27-Mar-19	17-Feb-20	112																								
EWS (External Wall System)																													
Level 2 Summary																													
1210	[LoE] POD_EWS_1MF - Podium Level 1MF Install Facade	224	24-Oct-18	25-Jul-19	51																								
8049	[LoE] POD_EWS_L2 - Podium Level 2 Install Facade	139	18-Dec-18	10-Jun-19	13																								
9565	[LoE] POD_EWS_B1F - Pisa South Peri_Install GW	110	04-May-19	11-Sep-19	1																								
9566	[LoE] POD_EWS_GF - Pisa Ceramic Tube Wall/GW w/ Ceramic Mullion Install	60	08-Jun-19	17-Aug-19	18																								
9567	[LoE] POD_EWS_2F_BF/11-13 - Pisa_East/West_Install GW	72	03-Jul-19	25-Sep-19	118																								
9568	[LoE] POD_EWS_3F_Skylight/Shop Front Glazing/Garden Roof & Wall Install	154	01-Mar-19	02-Sep-19	16																								
9569	[LoE] POD_EWS_GF - Corrugated Alum Perforated Panels	216	10-Apr-19	24-Dec-19	43																								
Vertical Transportation																													
Level 2 Summary																													
9752	[LoE] POD_Verti_Transport_Lift - Fireman's Lift	144	08-Dec-18	05-Jun-19	95																								
9753	[LoE] POD_Verti_Transport_Lift - Other Lift	168	19-Jan-19	14-Aug-19	37																								
9754	[LoE] POD_Verti_Transport_Esc - Escalators	175	04-May-19	29-Nov-19	64																								
Risers																													
Level 2 Summary																													
9570	[LoE] POD_Risers (Stg 1_Duct 1/2/3/5)	136	05-Nov-18	22-Apr-19	108																								
9787	[LoE] POD_Risers (Stg 2_Duct 4)	42	26-Jul-19	12-Sep-19	2																								
Staircases																													
Level 2 Summary																													
9761	[LoE] POD_Staircases - Not Required for Pressurisation	174	01-Apr-19	28-Oct-19	198																								
9762	[LoE] POD_Staircases - Required for Pressurisation	169	01-Apr-19	22-Oct-19	203																								
M+ TOWER																													
Construction																													
Level 4																													
Level 2 Summary																													
9851	[LoE] TW_L4 - Rem Structural Works (ST-02/02A)	18	01-Nov-18	21-Nov-18	201																								
6562	[LoE] TW_L4 - MEP Works (excl other prelim works)	98	01-Jun-19	26-Sep-19	21																								
6561	[LoE] TW_L4 - ABWF Works (excl wet trades or other prelim works)	158	23-Apr-19	30-Oct-19	90																								
Level 5																													
Level 2 Summary																													
6546	[LoE] TW_L5 - MEP Works (excl other prelim works)	135	30-Apr-19	10-Oct-19	99																								
6545	[LoE] TW_L5 - ABWF Works (excl wet trades or other prelim works)	159	23-Apr-19	31-Oct-19	89																								
Level 6																													
Level 2 Summary																													
6559	[LoE] TW_L5 - MEP Works (excl other prelim works)	213	26-Feb-19	08-Nov-19	74																								
6558	[LoE] TW_L6 - ABWF Works (excl wet trades or other prelim works)	191	02-Apr-19	18-Nov-19	74																								
Level 7																													
Level 2 Summary																													
6557	[LoE] TW_L7 - MEP Works (excl other prelim works)	217	26-Feb-19	13-Nov-19	70																								
6556	[LoE] TW_L7 - ABWF Works (excl wet trades or other prelim works)	178	23-Apr-19	22-Nov-19	70																								
Level 8																													
Level 2 Summary																													
6555	[LoE] TW_L8 - MEP Works (excl other prelim works)	222	26-Feb-19	19-Nov-19	67																								
6554	[LoE] TW_L8 - ABWF Works (excl wet trades or other prelim works)	200	02-Apr-19	28-Nov-19	65																								
Level 9																													
Level 2 Summary																													
6553	[LoE] TW_L9 - MEP Works (excl other prelim works)	230	26-Feb-19	28-Nov-19	57																								
6552	[LoE] TW_L9 - ABWF Works (excl wet trades or other prelim works)	202	10-Apr-19	07-Dec-19	57																								
Level 10																													
Level 2 Summary																													
6551	[LoE] TW_L10 - MEP Works (excl other prelim works)	230	26-Feb-19	28-Nov-19	57																								
6550	[LoE] TW_L10 - ABWF Works (excl wet trades or other prelim works)	251	11-Feb-19	07-Dec-19	57																								
Level 11																													
Level 2 Summary																													
6548	[LoE] TW_L11 - MEP Works (excl other prelim works)	231	22-Feb-19	26-Nov-19	58																								
6547	[LoE] TW_L11 - ABWF Works (excl wet trades or other prelim works)	250	11-Feb-19	06-Dec-19	58																								
Level 12																													
Level 2 Summary																													
6563	[LoE] TW_L12 - Structural Works (ST-02/02a)	18	15-Oct-18	05-Nov-18	161																								
6565	[LoE] TW_L12 - MEP Works (excl other prelim works)	237	22-Feb-19	03-Dec-19	53																								
6564	[LoE] TW_L12 - ABWF Works (excl wet trades or other prelim works)	255	11-Feb-19	12-Dec-19	53																								
Level 13																													
Level 2 Summary																													
6566	[LoE] TW_L13 - Structural Works (ST-02/02a)	18	06-Nov-18	26-Nov-18	161																								
6568	[LoE] TW_L13 - MEP Works (excl other prelim works)	242	26-Feb-19	12-Dec-19	50																								
6567	[LoE] TW_L13 - ABWF Works (excl wet trades or other prelim works)	235	15-Mar-19	21-Dec-19	45																								
Level 14																													
Level 2 Summary																													
6569	[LoE] TW_L14 - Structural Works (ST-03, 02, 02a)	22	22-Nov-18	17-Dec-18	161																								
6572	[LoE] TW_L14 - MEP Works	242	26-Feb-19	12-Dec-19	50																								
6570	[LoE] TW_L14 - ABWF Works (excl wet trades or other prelim works)	235	15-Mar-19	21-Dec-19	45																								
Level 15																													
Level 2 Summary																													
6573	[LoE] TW_L15 - Structural Works (ST-02/02a/03 & East Core Rem Structure)	61	29-Oct-18	09-Jan-19	161																								
6575	[LoE] TW_L15 - MEP Works	225	26-Feb-19	23-Nov-19	67																								
6574	[LoE] TW_L15 - ABWF Works (excl wet trades or other prelim works)	218	15-Mar-19	03-Dec-19	62																								
Level 16																													
Level 2 Summary																													
6576	[LoE] TW_L16 - Structural Works (Rem Superstructure & Stair Cases)	65	29-Oct-18	14-Jan-19	101																								
6578	[LoE] TW_L16 - MEP Works	213	26-Feb-19	09-Nov-19	79																								
6577	[LoE] TW_L16 - ABWF Works (excl wet trades or other prelim works)	169	29-Apr-19	19-Nov-19	74																								
Level RF																													
Level 2 Summary																													
6579	[LoE] TW_RF - Structural Works (Rem Super-structure Works)	65	29-Oct-18	14-Jan-19	101																								
6581	[LoE] TW_RF - MEP Works	183	29-Jan-19	11-Sep-19	118																								
6580	[LoE] TW_RF - ABWF Works	192	19-Feb-19	09-Oct-19	109																								
Level URF																													

ID	Activity	RD	BL Start	BL Finish	Start	Finish	BL Finish Var	2019														
								October					November				December					
								29	06	13	20	27	03	10	17	24	01	08	15	22	29	
CMWP - M+ Project Remaining Works @ 10 Sep 2018 Approved Target CMWP (Rev_0_8 UPD_DD_30 Sep 19)																						
BASEMENT & PODIUM																						
Construction																						
*Auditorium > GF_(SZ7)																						
Structural																						
6785	POD_AUD - Remove Formwork/Make Good (after non-struct walls 1MF & 2F)	12	08-May-19	28-May-19	20-May-19 A	12-Dec-19	-165															
6484	POD_AUD - Formwork & Construct Balustrade Wall	15	04-Jun-19	21-Jun-19	29-Nov-19	16-Dec-19	-148															
ABWF Works & MEP Works																						
Inclined structure High Level Works																						
1151	POD_AUD - MEP works 1st, 2nd & final fix & Curtain System - Part 1 (**Jun19 DUR	24	09-Jul-19	02-Sep-19	26-Aug-19 A	30-Oct-19	-47															
1154	POD_AUD - Install Curtain Brackets @ 1MF & Anchor Pull Out Test	6	10-Sep-19	02-Oct-19	09-Sep-19 A	07-Nov-19	-30															
1155	POD_AUD - Install Curtain Tracks/Motor/Cable Connections	12	03-Oct-19	17-Oct-19	08-Nov-19	21-Nov-19	-30															
1156	POD_AUD - MEP works Rem 1st, 2nd - Part 2	12	11-Oct-19	07-Nov-19	08-Nov-19	21-Nov-19	-12															
1157	POD_AUD - Install TWG Panels & Weld Test	18	25-Oct-19	14-Nov-19	22-Nov-19	12-Dec-19	-24															
10054	POD_AUD - MEP works Final Fix in TWG panels	12				13-Dec-19	27-Dec-19															
1159	POD_AUD - Remove Susp. Work Platform for HL Ceiling Wrks above Inclined Struc	12	15-Nov-19	28-Nov-19	28-Dec-19	11-Jan-20	-36															
Inclined structure Low Level Works																						
6848	POD_AUD - Underfloor MEP 1st, 2nd fix (under trusses)	18	23-Apr-19	14-May-19	27-May-19 A	04-Nov-19	-144															
6850	POD_AUD - Install Steel Trusses (26 nos)	13	20-May-19	03-Jun-19	02-Oct-19	17-Oct-19	-112															
6853	POD_AUD - Install Steel Plates on Trusses	6	29-Jun-19	06-Jul-19	18-Oct-19	24-Oct-19	-91															
6851	POD_AUD - MEP 1st, 2nd & final fix adjacent to steel trusses	12	19-Jun-19	03-Jul-19	25-Oct-19	07-Nov-19	-106															
6854	POD_AUD - Install Void Former & Construct Stair Case	12	08-Jul-19	20-Jul-19	08-Nov-19	21-Nov-19	-103															
6855	POD_AUD - Remove Formwork for Stairs	6	22-Jul-19	27-Jul-19	22-Nov-19	28-Nov-19	-103															
6857	POD_AUD - Install Metal Balustrade (* 2 shifts)	8	21-Dec-19	02-Jan-20	16-Dec-19	26-Dec-19	5															
6858	POD_AUD - Erect Metal Scaffold along the wall for curtain install	6	03-Jan-20	09-Jan-20	27-Dec-19	03-Jan-20	5															
Cinemas (B1-GF)																						
ABWF Works & MEP Works																						
180 Seats Cinema - POD_LG_Z18a																						
3976	POD_LG_Z18a_C180 - Ceiling MEP 1st fix (*2 shifts, after GF underpinned)	12	19-Jul-19	06-Aug-19	18-Sep-19 A	16-Oct-19	-59															
9661	POD_LG_Z18a_C180 - MEP Low Level 1st fix	21	13-Sep-19	24-Sep-19	19-Sep-19 A	25-Nov-19	-51															
3978	POD_LG_Z18a_C180 - Ceiling Frame/ Grids	6	06-Aug-19	12-Aug-19	17-Oct-19	23-Oct-19	-59															
3980	POD_LG_Z18a_C180 - Ceiling MEP 2nd fix (*2 shifts)	12	12-Aug-19	26-Aug-19	23-Oct-19	06-Nov-19	-59															
9660	POD_LG_Z18a_C180 - Dry Wall Frame	6	19-Jul-19	25-Jul-19	01-Nov-19*	07-Nov-19	-87															
4010	POD_LG_Z18a_C180 - Close Ceilings (gypsum & acoustic panels over) (*2 shifts)	12	26-Aug-19	09-Sep-19	06-Nov-19	20-Nov-19	-59															
4011	POD_LG_Z18a_C180 - Ceiling MEP final fix (*2 shifts)	6	04-Sep-19	11-Sep-19	15-Nov-19	22-Nov-19	-59															
4012	POD_LG_Z18a_C180 - Remove Ceiling Works Scaffold (*2 shifts, increased labor)	4	11-Sep-19	17-Sep-19	22-Nov-19	27-Nov-19	-59															
4013	POD_LG_Z18a_C180 - Low Level MEP 2nd fix (*2 shifts)	18	28-Oct-19	18-Nov-19	25-Nov-19	16-Dec-19	-24															
4021	POD_LG_Z18a_C180 - Floor Screed/Resilient Layer (*2 shifts)	9	17-Sep-19	27-Sep-19	27-Nov-19	07-Dec-19	-59															
4014	POD_LG_Z18a_C180 - Steps Plywood (*2shifts)	6	27-Sep-19	05-Oct-19	07-Dec-19	14-Dec-19	-59															
9662	POD_LG_Z18a_C180 - Close Dry Wall	5	08-Oct-19	12-Oct-19	16-Dec-19	20-Dec-19	-59															
9663	POD_LG_Z18a_C180 - Install FRP Glazing Panel (bet Control Rm) (*2 shifts)	6	08-Oct-19	15-Oct-19	16-Dec-19	23-Dec-19	-59															
4017	POD_LG_Z18a_C180 - Walls finishes (acoustic panels)	24	15-Oct-19	11-Nov-19	23-Dec-19	21-Jan-20	-59															
60 Seats Cinema - POD_LG_Z18b																						
1104	POD_LG_Z18b_C60 - Ceiling MEP 1st fix	6	20-Jul-19	06-Aug-19	19-Aug-19 A	09-Oct-19	-52															
9665	POD_LG_Z18b_C60 - MEP Low Level 1st fix	36	09-Sep-19	16-Sep-19	09-Sep-19 A	15-Nov-19	-50															
1105	POD_LG_Z18b_C60 - Ceiling Frame/ Grids	4	07-Aug-19	10-Aug-19	04-Oct-19	09-Oct-19	-48															
1106	POD_LG_Z18b_C60 - Ceiling MEP 2nd fix	9	12-Aug-19	21-Aug-19	10-Oct-19	19-Oct-19	-48															
1108	POD_LG_Z18b_C60 - Close Ceilings (gypsum & acoustic panels over)	8	22-Aug-19	30-Aug-19	25-Oct-19	02-Nov-19	-52															
1109	POD_LG_Z18b_C60 - Ceiling MEP final fix	6	29-Aug-19	04-Sep-19	01-Nov-19	07-Nov-19	-52															
1110	POD_LG_Z18b_C60 - Remove Ceiling Works Scaffold	4	05-Sep-19	09-Sep-19	08-Nov-19	12-Nov-19	-52															
1111	POD_LG_Z18b_C60 - Floor Screed/Resilient Layer	8	10-Sep-19	19-Sep-19	13-Nov-19	21-Nov-19	-52															
1112	POD_LG_Z18b_C60 - Steps Plywood	6	20-Sep-19	26-Sep-19	22-Nov-19	28-Nov-19	-52															
9666	POD_LG_Z18b_C60 - Close Dry Wall	4	24-Sep-19	27-Sep-19	26-Nov-19	29-Nov-19	-52															
9667	POD_LG_Z18b_C60 - Install FRP Glazing Panel (bet Control Rm)	6	24-Sep-19	30-Sep-19	26-Nov-19	02-Dec-19	-52															
1113	POD_LG_Z18b_C60 - Walls finishes (acoustic panels)	12	02-Oct-19	16-Oct-19	03-Dec-19	16-Dec-19	-52															
1114	POD_LG_Z18b_C60 - MEP Low Level 2nd fix	12	10-Oct-19	23-Oct-19	10-Dec-19	23-Dec-19	-52															
1115	POD_LG_Z18b_C60 - Install Cinema Screen & MEP	6	17-Oct-19	23-Oct-19	17-Dec-19	23-Dec-19	-52															
1116	POD_LG_Z18b_C60 - Door & Ironmong	3	24-Oct-19	26-Oct-19	24-Dec-19	27-Dec-19	-52															
1118	POD_LG_Z18b_C60 - Install Carpets	4	28-Oct-19	31-Oct-19	28-Dec-19	02-Jan-20	-52															
40 Seats Cinema - POD_LG_Z18c																						
1126	POD_LG_Z18c_C40 - Ceiling MEP 1st fix (*2 shifts)	6	17-Jul-19	31-Jul-19	08-Aug-19 A	09-Oct-19	-57															
9671	POD_LG_Z18c_C40 - MEP Low Level 1st fix	30	29-Aug-19	02-Sep-19	16-Sep-19 A	09-Nov-19	-55															
1127	POD_LG_Z18c_C40 - Ceiling Frame/ Grids (*2 shifts)	3	31-Jul-19	03-Aug-19	05-Oct-19	09-Oct-19	-54															
1128	POD_LG_Z18c_C40 - Ceiling MEP 2nd fix	12	05-Aug-19	17-Aug-19	10-Oct-19	23-Oct-19	-54															
1131	POD_LG_Z18c_C40 - Ceiling MEP final fix	6	19-Aug-19	24-Aug-19	28-Oct-19	04-Nov-19	-57															
1130	POD_LG_Z18c_C40 - Close Ceilings (gypsum & acoustic panels over) (*2 shifts)	3	17-Aug-19	21-Aug-19	31-Oct-19	04-Nov-19	-61															
1132	POD_LG_Z18c_C40 - Remove Ceiling Works Scaffold (*2 shifts)	3	24-Aug-19	28-Aug-19	04-Nov-19	07-Nov-19	-58															
1133	POD_LG_Z18c_C40 - Floor Screed/Resilient Layer	8	29-Aug-19	06-Sep-19	07-Nov-19	15-Nov-19	-57															
1134	POD_LG_Z18c_C40 - Steps Plywood	6	07-Sep-19	13-Sep-19	16-Nov-19	22-Nov-19	-57															
9673	POD_LG_Z18c_C40 - Close Dry Wall	4	11-Sep-19	16-Sep-19	20-Nov-19	23-Nov-19	-57															
9674	POD_LG_Z18c_C40 - Install FRP Glazing Panel (bet Control Rm)	6	11-Sep-19	18-Sep-19	20-Nov-19	26-Nov-19	-57															
1135	POD_LG_Z18c_C40 - Walls finishes (acoustic panels)	12	19-Sep-19	03-Oct-19	27-Nov-19	10-Dec-19	-57															
1136	POD_LG_Z18c_C40 - MEP Low Level 2nd fix	12	26-Sep-19	11-Oct-19	04-Dec-19	17-Dec-19	-57															
1137	POD_LG_Z18c_C40 - Install Cinema Screen & MEP	6	04-Oct-19	11-Oct-19	11-Dec-19	17-Dec-19	-57															
1139	POD_LG_Z18c_C40 - Door & Ironmong	3	12-Oct-19	15-Oct-19	18-Dec-19	20-Dec-19	-57															
1141	POD_LG_Z18c_C40 - Install Carpets	4	16-Oct-19	19-Oct-19	21-Dec-19	26-Dec-19	-57															
1142	POD_LG_Z18c_C40 - Low level MEP final fix	8	18-Oct-19	26-Oct-19	24-Dec-19	03-Jan-20	-57															
Moving Image Centre Lobby/Bar & Museum Shop No.2 (B1-GF) - POD_B1_Z09b																						
ABWF & MEP Works_(SZ7)																						
8723	POD_B1_Z09b - Patching-up tie bolt holes & wall sealer	6	26-Jul-19	01-Aug-19	19-Aug-19 A	09-Oct-19	-56															
8726	POD_B1_Z09b - Install fire shutter	3	21-Oct-19	02-Nov-19	21-Aug-19 A	04-Oct-19	24															
8725	POD_B1_Z09b - MEP 1st fix (*2 shifts)	36	24-Aug-19	09-Oct-19	16-Sep-19 A	16-Nov-19	-33															
3907	POD_B1_Z09b - Access to ABWF (Partial after Pisa Glass)	0	26-Jul-19		07-Nov-19		-86															
8724	POD_B1_Z09b - Ceiling rods	6	02-Aug-19	12-Aug-19	07-Nov-19	13-Nov-19	-77															
8727	POD_B1_Z09b - Ceiling Grids Moving Image & Espresso Only (*2 shifts)	9	09-Oct-19	19-Oct-19	16-Nov-19	27-Nov-19	-33															
8726a	POD_B1_Z09b - Install security shutters	6			12-Dec-19	18-Dec-19																
8728	POD_B1_Z09b - MEP 2nd fix (*2 shifts)	15	19-Oct-19	06-Nov-19	18-Dec-19	07-Jan-20	-51															
Lecture Theatre & Adjacent Areas																						
Structural																						
10055	POD_LTH - Sprinkler penetrations in escalator through, waterproofing & protective ε	4	15-Aug-19	28-Aug-19	28-Aug-19 A	05-Oct-19	-31															
6474c	POD_LTH - Remove Portal Scaffold G_Gallery Soffit Soffit/Side MEP & Pisa Works	6	13-Aug-19	16-Aug-19	02-Oct-19*	09-Oct-19	-43															
6478	POD_LTH - Escalator canopy Slab Fwork, rebar, cast-in & concrete	18	03-Jul-19	23-Jul-19	12-Nov-19	02-Dec-19	-110															
ABWF Works & MEP Works																						
Lecture Theatre, Lobby & Adjacent BoH Rooms @ G.L. C-D+/ 11-14 - POD_GF_Z04																						
8087	POD_GF_Z04_LTH - MEP 1st Fix	21	19-Jul-19	29-Aug-19	12-Aug-19 A	02-Nov-19	-53															
3906	POD_GF_Z04_LTH - Access to ABWF GF_Z04 - GL(A to D+)/(11 to 14)	0	03-Jul-19		08-Oct-19*		-80															
3927	POD_GF_Z04_LTH - Floor screeding	7	03-Jul-19	10-Jul-19	08-Oct-19	15-Oct-19	-80															
8097	POD_GF_Z04_LTH - Ceiling rods	7	11-Jul-19	18-Jul-19	16-Oct-19	23-Oct-19	-80															
8088	POD_GF_Z04_LTH - Dry Wall Frame & Board (one side)	10	11-Jul-19	22-Jul-19	06-Dec-19	17-Dec-19	-124															
8098	POD_GF_Z04_LTH - Ceiling grids	8	30-Aug-19	07-Sep-19	06-Dec-19	14-Dec-19	-81															
8090	POD_GF_Z04_LTH - Dry Wall MEP Services/Conduits MEP 1st fix	12	23-Jul-19	05-Aug-19	18-Dec-19	02-Jan-20	-124															
Workshop & Storages Adjacent to Lecture @ G.L. A-C/ 11-14 - POD_GF_Z04																						
8057	POD_GF_Z04_LTH - Patching-up tie bolt holes, wall & ceiling sealer	9	03-Jun-19	10-Jun-19	22-Jul-19 A	12-Oct-19	-103															
8058	POD_GF_Z04_LTH - MEP 1st fix	18	03-Jul-19	13-Aug-19	12-Aug-19 A	12-Nov-19	-75															
8060	POD_GF_Z04_LTH - MEP 2nd fix	42	03-Sep-19	02-Oct-19	19-Aug-19 A	10-Dec-19	-58															
8065	POD_GF_Z04_LTH - Dry Wall Frame & Board (one side)	4	03-Jul-19	06-Jul-19	14-Oct-19	17-Oct-19	-85															
8069	POD_GF_Z04_LTH - Dry Wall MEP Services/Conduits MEP 1st fix	12	08-Jul-19	20-Jul-19	18-Oct-19	31-Oct-19	-85															
8071	POD_GF_Z04_LTH - Close Dry Wall	2	18-Sep-19	19-Sep-19	06-Dec-19	07-Dec-19	-66															
8070	POD_GF_Z04_LTH - MEP final fix	9	03-Oct-19	14-Oct-19	11-Dec-19	20-Dec-19	-58															
9676	POD_GF_Z04_LTH - Install Acoustic Movabale Partition	12	20-Sep-19	04-Oct-19	19-Dec-19	03-Jan-20	-75															
Workshop & Storages Adjacent to Lecture @ G.L. D+F/ 11-14 - POD_GF_Z04																						
8078	POD_GF_Z04_LTH - MEP 1st fix	18	09-Jul-19	19-Aug-19	12-Aug-19 A	12-Nov-19	-70															
7850	POD_GF_Z04_LTH - Access to ABWF GF_Z04 - GL(D+ to F)/(11 to 14)	0	18-Jun-19		08-Oct-19*		-92															
8077	POD_GF_Z04_LTH - Patching-up tie bolt holes, wall & ceiling sealer	5	03-Jul-19	08-Jul-19	22-Oct-19	26-Oct-19	-92															
8080	POD_GF_Z04_LTH - Dry Wall Frame & Board (one side)	4	09-Jul-19	12-Jul-19	06-Dec-19	10-Dec-19	-126															

Three Months Rolling Programme



○	Base Line MS	—	Current - ABWF Works
▽	Milestone	—	Current - Facade Works
—	Current - Other Works	—	Critical Works
—	Current - Struct Works	—	Base Line ACT
—	Current - MEP Works		

Date	Revision	Checked	Approved
01-Feb-19	CMWP Rev.0 - Approved CMWP Programme	NS	BG
10-Oct-19	CMWP Rev.0_8 - 8th Progress Update	NS	BG

ID	Activity	RD	BL Start	BL Finish	Start	Finish	BL Finish Var	2019											
								October					November				December		
								29	06	13	20	27	03	10	17	24	01	08	15
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L11_Z02																			
3164	TW_L11_Z02_BoH - MEP 1st fix	8	11-Mar-19	15-Apr-19	01-Apr-19 A	11-Oct-19	-148												
3176	TW_L11_Z02_BoH - Dry Wall Frame & Board (one side)	14	18-Jun-19	04-Jul-19	10-Apr-19 A	18-Oct-19	-88												
3166	TW_L11_Z02_BoH - MEP 2nd fix	32	09-Aug-19	29-Aug-19	22-Jul-19 A	08-Nov-19	-58												
3163	TW_L11_Z02_BoH - Wall & Ceiling Sealer	5	04-Mar-19	08-Mar-19	05-Aug-19 A	08-Oct-19	-176												
3167	TW_L11_Z02_BoH - Door Frame & Plastering of Perimeter Edges	14	16-Apr-19	24-Apr-19	09-Sep-19 A	18-Nov-19	-171												
3165	TW_L11_Z02_BoH - Seal Wall Opening	6	16-Apr-19	22-Apr-19	10-Sep-19 A	07-Nov-19	-165												
3181	TW_L11_Z02_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	12	05-Jul-19	18-Jul-19	16-Sep-19 A	25-Oct-19	-82												
3180	TW_L11_Z02_BoH - Wall Epoxy/Emulsion Paint	35	30-Aug-19	17-Sep-19	18-Sep-19 A	11-Dec-19	-71												
3185	TW_L11_Z02_BoH - Close Dry Wall	26	19-Jul-19	30-Jul-19	23-Sep-19 A	01-Nov-19	-78												
3162	TW_L11_Z02_BoH - Misc Metal Works / Access Panels	6	30-Aug-19	05-Sep-19	09-Nov-19	15-Nov-19	-58												
3170	TW_L11_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	10	30-Aug-19	10-Sep-19	09-Nov-19	20-Nov-19	-58												
3182	TW_L11_Z02_BoH - MEP final fix	6	30-Aug-19	05-Sep-19	09-Nov-19	15-Nov-19	-58												
3160	TW_L11_Z02_BoH - Door / Ironmong / Hose Reel Cabs	10	30-Aug-19	10-Sep-19	18-Nov-19	29-Nov-19	-65												
3161	TW_L11_Z02_BoH - All Other Finishes / Make Good & Clean	12	11-Sep-19	25-Sep-19	06-Dec-19	19-Dec-19	-71												
3178	TW_L11_Z02_BoH - Floor sealer	2	17-Sep-19	18-Sep-19	11-Dec-19	12-Dec-19	-71												
10200	TW_L11_Z02_BoH_HO1 - Plant Rooms, Corridors & Lift Lobbies Hover - Stage 1 (0				12-Dec-19													
Toilets - TW_L11_Z03																			
3175	TW_L11_Z03_Toilet - MEP 1st fix Ceiling	14	19-Jun-19	17-Jul-19	02-May-19 A	18-Oct-19	-77												
3172	TW_L11_Z03_Toilet - MEP 1st fix Block Wall	8	22-Feb-19	02-Mar-19	02-Oct-19*	11-Oct-19	-184												
3171	TW_L11_Z03_Toilet - Dry Wall Frame & One Side Board	7	11-Jun-19	13-Jun-19	08-Oct-19*	15-Oct-19	-102												
4518	TW_L11_Z03_Toilet - MEP 1st fix Dry Wall	12	14-Jun-19	27-Jun-19	16-Oct-19	29-Oct-19	-102												
4523	TW_L11_Z03_Toilet - Floor Screed	4	14-Jun-19	18-Jun-19	16-Oct-19	19-Oct-19	-102												
4519	TW_L11_Z03_Toilet - Seal Wall Opening	3	04-Mar-19	06-Mar-19	19-Oct-19	22-Oct-19	-190												
4521	TW_L11_Z03_Toilet - Door Frame	2	18-Jul-19	19-Jul-19	21-Oct-19	22-Oct-19	-78												
4513a	TW_L11_Z03_Toilet - Wall Plastering (internal)	12			23-Oct-19	05-Nov-19													
3173	TW_L11_Z03_Toilet - Dry Wall Closing Board	2	28-Jun-19	29-Jun-19	01-Nov-19	04-Nov-19	-104												
4516	TW_L11_Z03_Toilet - Ceiling Rods/ Grids	4	02-Aug-19	06-Aug-19	05-Nov-19	08-Nov-19	-78												
4520	TW_L11_Z03_Toilet - MEP 2nd fix	18	07-Aug-19	27-Aug-19	09-Nov-19	29-Nov-19	-78												
4513	TW_L11_Z03_Toilet - Dry Wall Frame & Board (external)	12	20-Jul-19	02-Aug-19	13-Nov-19	26-Nov-19	-96												
4517	TW_L11_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	6	28-Aug-19	03-Sep-19	30-Nov-19	06-Dec-19	-78												
3174	TW_L11_Z03_Toilet - Ceiling Finishes (painting)	4	04-Sep-19	07-Sep-19	07-Dec-19	11-Dec-19	-78												
4522	TW_L11_Z03_Toilet - MEP final fix	6	09-Sep-19	16-Sep-19	12-Dec-19	18-Dec-19	-78												
8781	TW_L11_Z03_Toilet - Concrete floor curing, polish & install protection	36	17-Sep-19	30-Oct-19	19-Dec-19	08-Feb-20	-78												
Level 12																			
ABWF & MEP Works																			
FoH Areas (Offices, Concourse & Lobbies) - TW_L12_Z01																			
3542	TW_L12_Z01_FoH - MEP 1st fix	14	26-Feb-19	23-Apr-19	15-Apr-19 A	24-Oct-19	-152												
3543	TW_L12_Z01_FoH - MEP 2nd fix	26	24-Apr-19	15-May-19	15-Jul-19 A	07-Nov-19	-146												
3544	TW_L12_Z01_FoH - MEP final fix	12	05-Jul-19	18-Jul-19	08-Nov-19	21-Nov-19	-105												
3550	TW_L12_Z01_FoH - All Other Finishes / Make Good & Clean	12	18-Jul-19	31-Jul-19	23-Nov-19	06-Dec-19	-107												
3549	TW_L12_Z01_FoH - Wall finishes (painting or sealer)	5	19-Jun-19	24-Jun-19	25-Nov-19	29-Nov-19	-132												
10181	TW_L12_Z01_RF.Area_HO1 - FoH Areas Hover - Stage 1 (Site Walk Down)	0				29-Nov-19													
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L12_Z02																			
3556	TW_L12_Z02_BoH - MEP 1st fix	6	11-Mar-19	15-Apr-19	06-May-19 A	09-Oct-19	-146												
3563	TW_L12_Z02_BoH - Dry Wall Frame & Board (one side)	8	22-Jul-19	30-Jul-19	06-May-19 A	17-Oct-19	-65												
3558	TW_L12_Z02_BoH - MEP 2nd fix	24	31-Jul-19	20-Aug-19	22-Jul-19 A	05-Nov-19	-63												
3555	TW_L12_Z02_BoH - Wall & Ceiling Sealer	3	04-Mar-19	08-Mar-19	05-Aug-19 A	04-Oct-19	-174												
3559	TW_L12_Z02_BoH - Door Frame & Plastering of Perimeter Edges	12	16-Apr-19	24-Apr-19	23-Sep-19 A	22-Oct-19	-149												
3567	TW_L12_Z02_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	6	31-Jul-19	13-Aug-19	23-Sep-19 A	24-Oct-19	-59												
3569	TW_L12_Z02_BoH - Close Dry Wall	17	14-Aug-19	20-Aug-19	25-Sep-19 A	28-Oct-19	-56												
3561	TW_L12_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	6	16-Apr-19	22-Apr-19	10-Oct-19	16-Oct-19	-146												
3552	TW_L12_Z02_BoH - Door / Ironmong / Hose Reel Cabs	10	21-Aug-19	31-Aug-19	06-Nov-19	16-Nov-19	-63												
3557	TW_L12_Z02_BoH - Seal Wall Opening	6	16-Apr-19	22-Apr-19	06-Nov-19	12-Nov-19	-169												
3562	TW_L12_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	10	21-Aug-19	31-Aug-19	06-Nov-19	16-Nov-19	-63												
3566	TW_L12_Z02_BoH - Wall Epoxy/Emulsion Paint	8	21-Aug-19	29-Aug-19	06-Nov-19	14-Nov-19	-63												
3554	TW_L12_Z02_BoH - Misc Metal Works / Access Panels	6	21-Aug-19	27-Aug-19	13-Nov-19	19-Nov-19	-69												
3568	TW_L12_Z02_BoH - MEP final fix	6	30-Aug-19	05-Sep-19	15-Nov-19	21-Nov-19	-63												
3553	TW_L12_Z02_BoH - All Other Finishes / Make Good & Clean	12	02-Sep-19	16-Sep-19	18-Nov-19	30-Nov-19	-63												
3564	TW_L12_Z02_BoH - Floor sealer	2	06-Sep-19	07-Sep-19	22-Nov-19	23-Nov-19	-63												
10201	TW_L12_Z02_BoH_HO1 - Plant Rooms, Corridors & Lift Lobbies Hover - Stage 1 (0				23-Nov-19													
Toilets - TW_L12_Z03																			
3651	TW_L12_Z03_Toilet - MEP 1st fix Ceiling	9	07-May-19	03-Jun-19	02-May-19 A	19-Oct-19	-114												
3638	TW_L12_Z03_Toilet - Seal Wall Opening	11	04-Mar-19	06-Mar-19	16-Sep-19 A	21-Oct-19	-189												
3647	TW_L12_Z03_Toilet - Dry Wall Frame & One Side Board	7	23-Apr-19	30-Apr-19	03-Oct-19*	11-Oct-19	-135												
3637	TW_L12_Z03_Toilet - MEP 1st fix Dry Wall	12	02-May-19	15-May-19	12-Oct-19	25-Oct-19	-135												
3635	TW_L12_Z03_Toilet - Ceiling Rods/ Grids	4	20-Jun-19	24-Jun-19	19-Oct-19	23-Oct-19	-100												
3639	TW_L12_Z03_Toilet - MEP 2nd fix	18	25-Jun-19	16-Jul-19	26-Oct-19	15-Nov-19	-102												
3640	TW_L12_Z03_Toilet - Door Frame	2	04-Jun-19	05-Jun-19	11-Nov-19	12-Nov-19	-132												
3649	TW_L12_Z03_Toilet - Dry Wall Closing Board	5	16-May-19	21-May-19	11-Nov-19	15-Nov-19	-148												
3632	TW_L12_Z03_Toilet - Dry Wall Frame & Board - DR63 (external)	12	06-Jun-19	20-Jun-19	11-Nov-19	23-Nov-19	-130												
3636	TW_L12_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	6	17-Jul-19	23-Jul-19	16-Nov-19	22-Nov-19	-102												
3650	TW_L12_Z03_Toilet - Ceiling Finishes (painting)	4	24-Jul-19	27-Jul-19	23-Nov-19	27-Nov-19	-102												
3641	TW_L12_Z03_Toilet - MEP final fix	6	29-Jul-19	03-Aug-19	28-Nov-19	04-Dec-19	-102												
8782	TW_L12_Z03_Toilet - Conc flr curing, polishing & install protection	36	30-Sep-19	12-Nov-19	05-Dec-19	17-Jan-20	-55												
Level 13																			
ABWF & MEP Works																			
FoH Areas (Offices, Concourse & Lobbies) - TW_L13_Z01																			
3780	TW_L13_Z01_FoH - MEP 1st fix	9	26-Feb-19	23-Apr-19	02-May-19 A	20-Nov-19	-175												
3785	TW_L13_Z01_FoH - MEP 2nd fix	21	24-Apr-19	15-May-19	15-Jul-19 A	04-Dec-19	-169												
3778	TW_L13_Z01_FoH - Ceiling Sealer	6	08-Dec-18	14-Dec-18	11-Nov-19	16-Nov-19	-274												
3786	TW_L13_Z01_FoH - MEP final fix	12	14-Aug-19	27-Aug-19	05-Dec-19	18-Dec-19	-94												
3787	TW_L13_Z01_FoH - Doors/Ironmong	2	21-Aug-19	22-Aug-19	05-Dec-19	06-Dec-19	-88												
3788	TW_L13_Z01_FoH - Wall finishes (painting or sealer)	5	21-Aug-19	26-Aug-19	05-Dec-19	10-Dec-19	-88												
10182	TW_L13_Z01_RF.Area_HO1 - FoH Areas Hover - Stage 1 (Site Walk Down)	0				18-Dec-19													
3790	TW_L13_Z01_FoH - All Other Finishes / Make Good & Clean	12	26-Aug-19	09-Sep-19	21-Dec-19	06-Jan-20	-98												
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L13_Z02																			
3575	TW_L13_Z02_BoH - MEP 1st fix	8	13-Apr-19	18-May-19	06-May-19 A	11-Oct-19	-120												
3582	TW_L13_Z02_BoH - Dry Wall Frame & Board (one side)	5	29-Jul-19	02-Aug-19	06-May-19 A	08-Oct-19	-54												
3574	TW_L13_Z02_BoH - Wall & Ceiling Sealer	5	06-Apr-19	11-Apr-19	12-Aug-19 A	08-Oct-19	-148												
3584	TW_L13_Z02_BoH - Wall Plastering / Rendering	13	29-Mar-19	15-Apr-19	15-Aug-19 A	23-Oct-19	-158												
3577	TW_L13_Z02_BoH - MEP 2nd fix	26	03-Aug-19	23-Aug-19	19-Aug-19 A	01-Nov-19	-57												
3578	TW_L13_Z02_BoH - Door Frame & Plastering of Perimeter Edges	14	20-May-19	28-May-19	16-Sep-19 A	24-Oct-19	-123												
3586	TW_L13_Z02_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	11	03-Aug-19	16-Aug-19	23-Sep-19 A	15-Oct-19	-48												
3580	TW_L13_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	6	20-May-19	25-May-19	12-Oct-19	18-Oct-19	-120												
3588	TW_L13_Z02_BoH - Close Dry Wall	3	17-Aug-19	20-Aug-19															

ID	Activity	RD	BL Start	BL Finish	Start	Finish	BL Finish Var	2019													
								October					November				December				
								29	06	13	20	27	03	10	17	24	01	08	15	22	29
ABWF & MEP Works																					
FoH Areas (RDE, Passenger Lift Lobbies & Terrace) - RDE_L4_Z01																					
4878	RDE_L4_Z01_FoH - MEP 1st fix (Part 1)	3	16-Jan-19	05-Mar-19	01-Apr-19 A	04-Oct-19	-177														
4878a	RDE_L4_Z01_FoH - MEP 1st fix (Part 2)	18			15-Nov-19	05-Dec-19															
BoH Plant Rooms, Corridors, FS & Service Lift Lobbies - RDE_L4_Z02																					
4857	RDE_L4_Z02_BoH - Wet Trades (plaster/screed/C&W sealer/undercoat)	12	18-Mar-19	02-Apr-19	11-Mar-19 A	28-Nov-19	-199														
4850	RDE_L4_Z02_BoH - MEP 1st fix	18	03-Jun-19	02-Jul-19	23-Mar-19 A	05-Dec-19	-131														
4852	RDE_L4_Z02_BoH - MEP 2nd fix	24	03-Jul-19	23-Jul-19	15-Apr-19 A	12-Dec-19	-119														
4851	RDE_L4_Z02_BoH - Seal Wal Opening	21	03-Jul-19	09-Jul-19	05-Aug-19 A	09-Dec-19	-128														
4853	RDE_L4_Z02_BoH - Door Frame & Plastering of Perimeter Edges	21	03-Jul-19	09-Jul-19	12-Aug-19 A	09-Dec-19	-128														
4847	RDE_L4_Z02_BoH - Door / Ironmong / Hose Reel Cabs	8	24-Jul-19	01-Aug-19	13-Dec-19	21-Dec-19	-119														
4855	RDE_L4_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	8	31-Jul-19	08-Aug-19	13-Dec-19	21-Dec-19	-113														
4859	RDE_L4_Z02_BoH - MEP final fix	12	16-Oct-19	29-Oct-19	13-Dec-19	27-Dec-19	-50														
4858	RDE_L4_Z02_BoH - Wall epoxy emulsion paint final coat	4	09-Aug-19	13-Aug-19	23-Dec-19	27-Dec-19	-113														
4848	RDE_L4_Z02_BoH - All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	26-Dec-19	09-Jan-20	-54														
4856	RDE_L4_Z02_BoH - Floor sealer	2	13-Aug-19	14-Aug-19	27-Dec-19	28-Dec-19	-113														
10281	RDE_L4_Z02_BoH_HO1 - Plant Rms, Corr, FS & Serv. Lift Lobb Hover - Stage 1 (Site Walk Down)	0				28-Dec-19															
Toilets - RDE_L4_Z03																					
4876	RDE_L4_Z03_Toilet - MEP 1st fix Ceiling	15	03-Jun-19	27-Jun-19	23-Mar-19 A	02-Dec-19	-131														
4866	RDE_L4_Z03_Toilet - MEP 2nd fix	23	17-Jul-19	30-Jul-19	02-May-19 A	11-Dec-19	-112														
4872	RDE_L4_Z03_Toilet - Cubicle partitions & sanitary ware & fittings	20	24-Oct-19	01-Nov-19	15-Jul-19 A	07-Dec-19	-31														
4867	RDE_L4_Z03_Toilet - Door Frame	2	28-Jun-19	29-Jun-19	19-Aug-19 A	03-Oct-19	-79														
4871	RDE_L4_Z03_Toilet - Finishes Walls & Floor Tiling	14	08-Oct-19	23-Oct-19	15-Nov-19	30-Nov-19	-33														
4863	RDE_L4_Z03_Toilet - Ceiling Rods/ Grids	5	11-Jul-19	16-Jul-19	29-Nov-19	04-Dec-19	-118														
4861	RDE_L4_Z03_Toilet - Door / Ironmong	2	02-Nov-19	04-Nov-19	09-Dec-19	10-Dec-19	-31														
4864	RDE_L4_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	8	31-Jul-19	08-Aug-19	12-Dec-19	20-Dec-19	-112														
4868	RDE_L4_Z03_Toilet - MEP final fix	6	24-Oct-19	30-Oct-19	21-Dec-19	28-Dec-19	-50														
4875	RDE_L4_Z03_Toilet - Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	21-Dec-19	24-Dec-19	-112														
10324	RDE_L4_Z03_Toilet_HO1 - Toilets Hover - Stage 1 (Site Walk Down)	0				28-Dec-19															
Kitchen - RDE_L4_Z04																					
4889	RDE_L4_Z04_Kitchen - MEP 2nd fix	15	10-May-19	16-May-19	03-Jun-19 A	02-Dec-19	-166														
4877	RDE_L4_Z04_Kitchen - MEP final fix	3	24-Sep-19	26-Sep-19	03-Dec-19	05-Dec-19	-58														
4893	RDE_L4_Z04_Kitchen - Install door & ironmongery / Make Good & Clean	6	24-Sep-19	30-Sep-19	19-Dec-19	26-Dec-19	-72														
10349	RDE_L4_Z04_Kitchen_HO1 - Kitchen Hover - Stage 1 (Site Walk Down)	0				26-Dec-19															
Level 5																					
ABWF & MEP Works																					
FoH Areas (Offices, Passenger Lift Lobbies & Terrace) - RDE_L5_Z01																					
4927	RDE_L5_Z01_FoH - MEP 1st fix (Part 1)	7	16-Jan-19	05-Mar-19	25-Mar-19 A	22-Nov-19	-218														
4928	RDE_L5_Z01_FoH - MEP 2nd fix	31	10-May-19	06-Jun-19	15-Apr-19 A	20-Dec-19	-164														
4927a	RDE_L5_Z01_FoH - MEP 1st fix (Part 2)	18			23-Nov-19	13-Dec-19															
4929	RDE_L5_Z01_FoH - MEP final fix	18	24-Sep-19	16-Oct-19	21-Dec-19	13-Jan-20	-74														
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L5_Z02																					
4907	RDE_L5_Z02_BoH - Wet Trades (plaster/screed/C&W sealer/undercoat)	12	01-Apr-19	17-Apr-19	11-Mar-19 A	28-Nov-19	-187														
4900	RDE_L5_Z02_BoH - MEP 1st fix	18	10-Jun-19	08-Jul-19	01-Apr-19 A	05-Dec-19	-126														
4902	RDE_L5_Z02_BoH - MEP 2nd fix	24	09-Jul-19	29-Jul-19	15-Apr-19 A	19-Dec-19	-120														
4901	RDE_L5_Z02_BoH - Seal Wal Opening	15	09-Jul-19	15-Jul-19	02-Sep-19 A	02-Dec-19	-117														
4903	RDE_L5_Z02_BoH - Door Frame & Plastering of Perimeter Edges	21	09-Jul-19	15-Jul-19	16-Sep-19 A	09-Dec-19	-123														
4897	RDE_L5_Z02_BoH - Door / Ironmong / Hose Reel Cabs	8	30-Jul-19	07-Aug-19	20-Dec-19	30-Dec-19	-120														
4905	RDE_L5_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	4	06-Aug-19	09-Aug-19	20-Dec-19	24-Dec-19	-114														
4909	RDE_L5_Z02_BoH - MEP final fix	12	16-Oct-19	29-Oct-19	20-Dec-19	04-Jan-20	-56														
4908	RDE_L5_Z02_BoH - Wall epoxy emulsion paint final coat	3	10-Aug-19	13-Aug-19	26-Dec-19	28-Dec-19	-114														
4906	RDE_L5_Z02_BoH - Floor sealer	2	13-Aug-19	14-Aug-19	28-Dec-19	30-Dec-19	-114														
Toilets - RDE_L5_Z03																					
4926	RDE_L5_Z03_Toilet - MEP 1st fix Ceiling	15	10-Jun-19	04-Jul-19	03-Jun-19 A	02-Dec-19	-126														
4916	RDE_L5_Z03_Toilet - MEP 2nd fix	25	18-Jul-19	31-Jul-19	17-Jun-19 A	13-Dec-19	-113														
4913	RDE_L5_Z03_Toilet - Ceiling Rods/ Grids	4	13-Jul-19	17-Jul-19	03-Dec-19	06-Dec-19	-119														
4917	RDE_L5_Z03_Toilet - Door Frame	2	05-Jul-19	06-Jul-19	03-Dec-19	04-Dec-19	-126														
4914	RDE_L5_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	7	01-Aug-19	08-Aug-19	14-Dec-19	21-Dec-19	-113														
4925	RDE_L5_Z03_Toilet - Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	23-Dec-19	26-Dec-19	-113														
4921	RDE_L5_Z03_Toilet - Finishes Walls & Floor Tiling	10	17-Sep-19	27-Sep-19	27-Dec-19	08-Jan-20	-84														
Level 6																					
ABWF & MEP Works																					
FoH Areas (Office/ OACF, Passenger Lift Lobbies & Terrace) - RDE_L6_Z01																					
4593	RDE_L6_Z01_FoH - Ceiling/Wall/Columns Sealer	3	10-Nov-18	15-Nov-18	12-Apr-19 A	04-Oct-19	-263														
4588	RDE_L6_Z01_FoH - MEP 1st fix (Part 1)	12	16-Jan-19	05-Mar-19	15-Apr-19 A	25-Nov-19	-220														
4594	RDE_L6_Z01_FoH - Wall/Columns Protection	5	16-Nov-18	22-Nov-18	02-May-19 A	18-Nov-19	-294														
4589	RDE_L6_Z01_FoH - MEP 2nd fix	30	06-Jun-19	05-Jul-19	24-Jun-19 A	17-Dec-19	-138														
4588a	RDE_L6_Z01_FoH - MEP 1st fix (Part 2)	12			26-Nov-19	09-Dec-19															
4590	RDE_L6_Z01_FoH - MEP final fix	18	24-Sep-19	16-Oct-19	18-Dec-19	09-Jan-20	-71														
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L6_Z02																					
4568	RDE_L6_Z02_BoH - Wet Trades (plaster/screed/C&W sealer/undercoat)	14	01-Apr-19	17-Apr-19	11-Mar-19 A	28-Nov-19	-187														
4559	RDE_L6_Z02_BoH - MEP 1st fix	20	10-Jun-19	08-Jul-19	02-May-19 A	05-Dec-19	-126														
4560	RDE_L6_Z02_BoH - Seal Wal Opening	26	09-Jul-19	15-Jul-19	05-Aug-19 A	12-Dec-19	-126														
4561	RDE_L6_Z02_BoH - MEP 2nd fix	30	09-Jul-19	29-Jul-19	02-Sep-19 A	17-Dec-19	-118														
4562	RDE_L6_Z02_BoH - Door Frame & Plastering of Perimeter Edges	27	09-Jul-19	13-Jul-19	16-Sep-19 A	13-Dec-19	-128														
4564	RDE_L6_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	4	09-Jul-19	12-Jul-19	06-Dec-19	10-Dec-19	-126														
4555	RDE_L6_Z02_BoH - Door / Ironmong / Hose Reel Cabs	7	30-Jul-19	06-Aug-19	18-Dec-19	26-Dec-19	-118														
4557	RDE_L6_Z02_BoH - Misc Metal Works / Access Panels	6	30-Jul-19	05-Aug-19	18-Dec-19	24-Dec-19	-118														
4565	RDE_L6_Z02_BoH - Lobbies & Corr Close ceiling (panels) incl. Cut-Outs	4	30-Jul-19	02-Aug-19	18-Dec-19	21-Dec-19	-118														
4569	RDE_L6_Z02_BoH - Wall epoxy emulsion paint final coat	3	30-Jul-19	01-Aug-19	18-Dec-19	20-Dec-19	-118														
4570	RDE_L6_Z02_BoH - MEP final fix	12	16-Oct-19	29-Oct-19	18-Dec-19	02-Jan-20	-54														
4567	RDE_L6_Z02_BoH - Floor sealer	2	01-Aug-19	02-Aug-19	20-Dec-19	21-Dec-19	-118														
4556	RDE_L6_Z02_BoH - All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	26-Dec-19	09-Jan-20	-54														
Toilets - RDE_L6_Z03																					
4581	RDE_L6_Z03_Toilet - Wproof/Testing & Protective Sreed	7	15-Feb-19	22-Feb-19	13-Nov-19*	20-Nov-19	-225														
4587	RDE_L6_Z03_Toilet - MEP 1st fix Ceiling	21	10-Jun-19	04-Jul-19	21-Nov-19	14-Dec-19	-137														
10002	RDE_L6_Z03_Toilet - Dry Wall Frame & One Side Board	12			05-Dec-19	18-Dec-19															
4580	RDE_L6_Z03_Toilet - Floor Screed	4	23-Feb-19	27-Feb-19	19-Dec-19	23-Dec-19	-249														
4578	RDE_L6_Z03_Toilet - Door Frame	2	05-Jul-19	06-Jul-19	24-Dec-19	26-Dec-19	-144														
4585	RDE_L6_Z03_Toilet - MEP 1st fix Dry Wall	8	20-Feb-19	28-Feb-19	24-Dec-19	03-Jan-20	-256														
Level 7																					
ABWF & MEP Works																					
FoH Areas (Office/ OACF, Passenger Lift Lobbies & Terrace) - RDE_L7_Z01																					
4970	RDE_L7_Z01_FoH - Ceiling/Wall/Columns Sealer	3	10-Dec-18	14-Dec-18	30-Apr-19 A	04-Oct-19	-238														
4966	RDE_L7_Z01_FoH - MEP 1st fix (Part 1)	11	16-Jan-19	05-Mar-19	03-Jun-19 A	29-Nov-19	-224														
4971	RDE_L7_Z01_FoH - Wall/Columns Protection	5	15-Dec-18	21-Dec-18	03-Jun-19 A	22-Nov-19	-273														
4966a	RDE_L7_Z01_FoH - MEP 1st fix (Part 2)	18			30-Nov-19	20-Dec-19															
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L7_Z02																					
4946	RDE_L7_Z02_BoH - Wet Trades (plaster/screed/C&W sealer/undercoat)	14	01-Apr-19	17-Apr-19	11-Mar-19 A	30-Nov-19	-189														
4939	RDE_L7_Z02_BoH - MEP 1st fix	20	10-Jun-19	08-Jul-19	16-Apr-19 A	07-Dec-19	-128														
4941	RDE_L7_Z02_BoH - MEP 2nd fix	30	09-Jul-19	29-Jul-19	09-Sep-19 A	19-Dec-19	-120														
4942	RDE_L7_Z02_BoH - Door Frame & Plastering of Perimeter Edges	29	09-Jul-19	13-Jul-19	23-Sep-19 A	18-Dec-19	-132						</								

Lyric Theatre Complex

Activity ID	Activity Name	Start Date	Finish Date	2019			
				Aug 20	Sep 21	Oct 22	Nov 23
L1 Contract for Lyric Theatre Complex (3MRP) - Environmental							
Cost Centre B - Excavation and Lateral Support (ELS) Stage 2							
Excavation and ELS Works (Stage 2)							
CB160800	[South - Area 1 & 2] Excavate to -9.0, -11.3, -14.2mPD w/ Soil Berm (29,690 cu.m)	26-Apr-19 A	06-Sep-19				
CB160900	[South - Area 1 & 2] Pile Head Treatment at Central Portion (54 nr BP)	08-May-19 A	11-Sep-19				
CB161020	[South - Area 1 & 2] Install 5th Layer of Strut S5	09-Jul-19 A	02-Oct-19				
CB161030	[South - Area 1 & 2] Excavate South / West Soil Berm to -12.4mPD (18,145 cu.m)	16-Sep-19	15-Oct-19				
CB161040	[South - Area 1 & 2] Pile Head Treatment at South / West (22 nr BP)	23-Sep-19	22-Oct-19				
CB161060	[South - Area 1 & 2] Excavate East Soil Berm to -12.0mPD (9,750 cu.m)	18-Sep-19	10-Oct-19				
CB161070	[South - Area 1 & 2] Install 6th Layer of Strut S6	25-Sep-19	17-Oct-19				
CB161100	[South - Area 1 & 2] Excavate East Berm to Formation Level -14.2mPD (4,750 cu.m)	11-Oct-19	31-Oct-19				
CB161200	[South - Area 1 & 2] Pile Head Treatment at East (14 nr BP)	22-Oct-19	11-Nov-19				
CB161210	[South/North] BA14 Completion of ELS - BD Submission & Acknowledgement	31-Oct-19	06-Nov-19				
CB162000	[North - Area 3 & 4] Excavate to Formation Level -9.6 mPD (46,575 cu.m)	18-Apr-19 A	04-Sep-19				
CB162100	[North - Area 3 & 4] Pile Head Treatment (52 nr BP)	23-May-19 A	17-Sep-19				
Cost Centre C - Basement							
Cost Centre C1 - Essential Basement Structure (Excl. AET Protection & Box Culvert)							
CC100100	[South - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion	30-Apr-19 A	13-Sep-19				
CC100200	[South - L01] Construct Central Pile Cap / B2 Slab at -11.3mPD & -14.2mPD	09-May-19 A	25-Sep-19				
CC100210	[South - L01] Blinding Layer for Pile Cap / B2 Slab at South / West	11-Oct-19	31-Oct-19				
CC100220	[South - L01] Construct South / West Pile Cap / B2 Slab at -12.4mPD	14-Oct-19	21-Nov-19				
CC100290	[South - L01] Blinding Layer for Pile Cap / B2 Slab at East	05-Nov-19	18-Nov-19				
CC100300	[South - L01] Construct East Pile Cap / B2 Slab at -14.2mPD	07-Nov-19	09-Dec-19				
CC100420	[South - L01] Construct Central B2-B1 Columns & Structural Walls	10-Sep-19	31-Oct-19				
CC100440	[South - L01] Construct Central B1 Beam & Slab	03-Oct-19	21-Nov-19				
CC100500	[South - L01] Remove Strut Layer S5 & S3 & S2	10-Jan-20	17-Feb-20				
CC100510	[South - L01] Construct B1-B1M Central Columns & Structural Walls	01-Nov-19	19-Dec-19				
CC100520	[South - L01] Construct B1M Central Beam & Slab	22-Nov-19	13-Jan-20				
CC101400	[North - L04] Blinding Layer for Pile Cap / B2 Slab	12-Jun-19 A	27-Sep-19				
CC101500	[North - L04] Construct Pile Cap / B2 Slab at -9.6mPD	22-Jun-19 A	28-Oct-19				
CC101600	[North - L04] Remove Strut Layer S4	03-Oct-19	07-Nov-19				
CC101700	[North - L04] Construct B2-B1 Columns & Structural Walls	29-Oct-19	23-Dec-19				
CC102420	[Area 6 - L06] Construct B1-B1M Columns & Structural Walls	10-Dec-18 A	23-Sep-19				

Remaining Work Critical Remaining Work Actual Work Milestone	Project ID: L13MRP-20190831-Env Layout: L1-3MRP (Env)	<p align="center">West Kowloon Cultural District Authority</p> <p align="center">L1 Contract for Lyric Theatre Complex & Extended Basement</p> <p align="center">Three Month Rolling Programme (3MRP) - Status as of 31 Aug 2019</p>	
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Activity ID	Activity Name	Start Date	Finish Date	2019			
				Aug 20	Sep 21	Oct 22	Nov 23
CC102430	[Area 6 - L06] Construct B1M Beam & Slab	14-Jan-19 A	30-Sep-19				
CC102510	[Area 6 - L06] Construct B1M-GF Columns & Structural Walls	13-May-19 A	01-Nov-19				
CAI No. 012 Advance Works for Artist Square Bridge							
P34 Stair & Lift Tower							
CAI12320	ELS Works & Excavate to Formation Level	21-Aug-19 A	06-Sep-19				
CAI12330	Trim Pile Heads, Blinding Layer & Construct Pile Cap	31-Aug-19 A	08-Oct-19				
Cost Centre D - Public Infrastructure Works (PIW)							
Cost Centre D2 - Austin Road West Lay-by							
Cost Centre D2.1 Roadworks and Remaining							
MC30-Ch.170 to MC30-Ch.150							
CD210730	MC30-Ch170-150: Roadworks & Footpath	30-Jan-19 A	16-Sep-19				
CD210750	MC30-Ch170-150: Install Street Furniture & Lighting	17-Sep-19	09-Oct-19				
MC30-Ch.150 to MC30-Ch.100							
CD210630	MC30-Ch150-100: Roadworks & Footpath	13-Feb-19 A	12-Sep-19				
CD210650	MC30-Ch150-100: Install Street Furniture & Lighting	10-Oct-19	30-Oct-19				
MC30-Ch.100 to MC30-Ch.50							
CD210530	MC30-Ch100-50: Roadworks & Footpath	11-Jul-19 A	25-Sep-19				
CD210535	MC30-Ch100-50: Maintenance Staircase	04-Sep-19	25-Sep-19				
CD210550	MC30-Ch100-50: Install Street Furniture & Lighting	31-Oct-19	20-Nov-19				
MC30-Ch.50 to MC30-Ch.00							
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	14-Mar-19 A	07-Sep-19				
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	14-Mar-19 A	07-Sep-19				
MC20-Ch.140 to MC20-Ch.100							
CD210310	MC20-Ch140-100: Road Drainage (WL1.12 to WL1.9)	06-Jun-19 A	04-Oct-19				
CD210320	MC20-Ch140-100: DN450 Freshwater (0+14 - 0+00)	05-Oct-19	19-Oct-19				
CD210325	MC20-Ch140-100: DN450 Salt Water (0+12 - 0+00)	05-Oct-19	19-Oct-19				
Cost Centre D2.2 Drainage							
MC20-Ch.140 to MC20-Ch.00							
CD220190	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1B) - 30m	02-Jul-19 A	17-Oct-19				

Remaining Work
 Critical Remaining Work
 Actual Work
 Milestone

Project ID:
 L13MRP-20190831-Env
 Layout: L1-3MRP (Env)

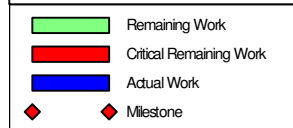
West Kowloon Cultural District Authority
L1 Contract for Lyric Theatre Complex & Extended Basement
Three Month Rolling Programme (3MRP) - Status as of 31 Aug 2019



Activity ID	Activity Name	Start Date	Finish Date	2019			
				Sep 21	Oct 22	Nov 23	Dec 24
L1 Contract for Lyric Theatre Complex (3MRP) - Environmental							
Cost Centre B - Excavation and Lateral Support (ELS) Stage 2							
Excavation and ELS Works (Stage 2)							
BB200940	Implement Remedial Measures (67 nos. of Clutch Pipe Piles)	21-Sep-19A	23-Nov-19				
CB160800	[South - Area 1 & 2] Excavate to -9.0, -11.3, -14.2mPD w/ Soil Berm (29,690 cu.m)	26-Apr-19A	08-Oct-19				
CB160900	[South - Area 1 & 2] Pile Head Treatment at Central Portion (54 nr BP)	08-May-19A	11-Oct-19				
CB161020	[South - Area 1 & 2] Install 5th Layer of Strut S5	09-Jul-19A	30-Oct-19				
CB161030	[South - Area 1 & 2] Excavate South / West Soil Berm to -12.4mPD (18,145 cu.m)	25-Nov-19	21-Dec-19				
CB161040	[South - Area 1 & 2] Pile Head Treatment at South / West (22 nr BP)	09-Dec-19	08-Jan-20				
CB161060	[South - Area 1 & 2] Excavate East Soil Berm to -12.0mPD (9,750 cu.m)	25-Nov-19	14-Dec-19				
CB161070	[South - Area 1 & 2] Install 6th Layer of Strut S6	05-Dec-19	27-Dec-19				
CB161100	[South - Area 1 & 2] Excavate East Berm to Formation Level -14.2mPD (4,750 cu.m)	19-Dec-19	11-Jan-20				
CB161210	[South/North] BA14 Completion of ELS - BD Submission & Acknowledgement	11-Jan-20	17-Jan-20				
CB162000	[North - Area 3 & 4] Excavate to Formation Level -9.6 mPD (46,575 cu.m)	18-Apr-19A	04-Oct-19				
CB162100	[North - Area 3 & 4] Pile Head Treatment (52 nr BP)	23-May-19A	12-Oct-19				
Cost Centre C - Basement							
Cost Centre C1 - Essential Basement Structure (Excl. AET Protection & Box Culvert)							
CC100100	[South - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion	30-Apr-19A	14-Oct-19				
CC100200	[South - L01] Construct Central Pile Cap / B2 Slab at -11.3mPD & -14.2mPD	09-May-19A	24-Oct-19				
CC100210	[South - L01] Blinding Layer for Pile Cap / B2 Slab at South / West	23-Dec-19	15-Jan-20				
CC100220	[South - L01] Construct South / West Pile Cap / B2 Slab at -12.4mPD	27-Dec-19	08-Feb-20				
CC100420	[South - L01] Construct Central B2-B1 Columns & Structural Walls	25-Nov-19	15-Jan-20				
CC100440	[South - L01] Construct Central B1 Beam & Slab	16-Dec-19	08-Feb-20				
CC101400	[North - L04] Blinding Layer for Pile Cap / B2 Slab	12-Jun-19A	19-Oct-19				
CC101500	[North - L04] Construct Pile Cap / B2 Slab at -9.6mPD	22-Jun-19A	16-Nov-19				
CC101600	[North - L04] Remove Strut Layer S4	24-Oct-19	27-Nov-19				
CC101700	[North - L04] Construct B2-B1 Columns & Structural Walls	18-Nov-19	15-Jan-20				
CC102420	[Area 6 - L06] Construct B1-B1M Columns & Structural Walls	10-Dec-18A	05-Oct-19				
CC102430	[Area 6 - L06] Construct B1M Beam & Slab	14-Jan-19A	12-Oct-19				
CC102510	[Area 6 - L06] Construct B1M-GF Columns & Structural Walls	13-May-19A	01-Nov-19				

Remaining Work Critical Remaining Work Actual Work Milestone	Project ID: L13MRP-2019030-En Layout: L1-3MRP (Env) Page: 1 of 2	<p align="center"> West Kowloon Cultural District Authority L1 Contract for Lyric Theatre Complex & Extended Basement Three Month Rolling Programme (3MRP) - Status as of 30 Sep 2019 </p>	
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Activity ID	Activity Name	Start Date	Finish Date	2019			
				Sep 21	Oct 22	Nov 23	Dec 24
CAI No. 012 Advance Works for Artist Square Bridge							
P34 Stair & Lift Tower							
CAI12320	ELS Works & Excavate to Formation Level	21-Aug-19A	14-Sep-19A	█			
CAI12330	Trim Pile Heads, Blinding Layer & Construct Pile Cap	31-Aug-19A	08-Oct-19	█			
Cost Centre D - Public Infrastructure Works (PIW)							
Cost Centre D2 - Austin Road West Lay-by							
Cost Centre D2.1 Roadworks and Remaining							
MC30-Ch.170 to MC30-Ch.150							
CD210730	MC30-Ch170-150: Roadworks & Footpath	30-Jan-19A	16-Oct-19	█	█		
CD210750	MC30-Ch170-150: Install Street Furniture & Lighting	17-Oct-19	06-Nov-19		█		
MC30-Ch.150 to MC30-Ch.100							
CD210630	MC30-Ch150-100: Roadworks & Footpath	13-Feb-19A	14-Oct-19	█	█		
CD210650	MC30-Ch150-100: Install Street Furniture & Lighting	07-Nov-19	27-Nov-19			█	
MC30-Ch.100 to MC30-Ch.50							
CD210530	MC30-Ch100-50: Roadworks & Footpath	11-Jul-19A	25-Oct-19	█	█		
CD210535	MC30-Ch100-50: Maintenance Staircase	04-Oct-19	25-Oct-19		█		
CD210550	MC30-Ch100-50: Install Street Furniture & Lighting	28-Nov-19	18-Dec-19				█
MC30-Ch.50 to MC30-Ch.00							
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	14-Mar-19A	09-Oct-19	█	█		
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	14-Mar-19A	09-Oct-19	█	█		
MC20-Ch.140 to MC20-Ch.100							
CD210310	MC20-Ch140-100: Road Drainage (WL1.12 to WL1.9)	06-Jun-19A	31-Oct-19	█	█		
CD210320	MC20-Ch140-100: DN450 Freshwater (0+14 - 0+00)	01-Nov-19	14-Nov-19			█	
CD210325	MC20-Ch140-100: DN450 Salt Water (0+12 - 0+00)	01-Nov-19	14-Nov-19			█	
Cost Centre D2.2 Drainage							
MC20-Ch.140 to MC20-Ch.00							
CD220190	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1B) - 30m	02-Jul-19A	31-Oct-19	█	█		



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 Layout: L1-3MRP (Env)
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West Kowloon Cultural District Authority
L1 Contract for Lyric Theatre Complex & Extended Basement
Three Month Rolling Programme (3MRP) - Status as of 30 Sep 2019



Activity ID	Activity Name	Start Date	Finish Date	2019			2020
				Oct 22	Nov 23	Dec 24	Jan 25
L1 Contract for Lyric Theatre Complex (3MRP) - Environmental							
Cost Centre B - Excavation and Lateral Support (ELS) Stage 2							
Excavation and ELS Works (Stage 2)							
BB200940	Implement Remedial Measures (67 nos. of Clutch Pipe Piles)	21-Sep-19A	23-Nov-19				
CB160800	[South - Area 1 & 2] Excavate to -9.0, -11.3, -14.2mPD w/ Soil Berm (29,690 cu.m)	26-Apr-19A	05-Oct-19A				
CB160900	[South - Area 1 & 2] Pile Head Treatment at Central Portion (54 nr BP)	08-May-19A	26-Oct-19A				
CB161020	[South - Area 1 & 2] Install 5th Layer of Strut S5	21-Sep-19A	18-Nov-19				
CB161030	[South - Area 1 & 2] Excavate South / West Soil Berm to -12.4mPD (18,145 cu.m)	25-Nov-19	21-Dec-19				
CB161040	[South - Area 1 & 2] Pile Head Treatment at South / West (22 nr BP)	09-Dec-19	08-Jan-20				
CB161060	[South - Area 1 & 2] Excavate East Soil Berm to -12.0mPD (9,750 cu.m)	25-Nov-19	14-Dec-19				
CB161070	[South - Area 1 & 2] Install 6th Layer of Strut S6	05-Dec-19	27-Dec-19				
CB161100	[South - Area 1 & 2] Excavate East Berm to Formation Level -14.2mPD (4,750 cu.m)	19-Dec-19	11-Jan-20				
CB161210	[South/North] BA14 Completion of ELS - BD Submission & Acknowledgement	11-Jan-20	17-Jan-20				
CB162000	[North - Area 3 & 4] Excavate to Formation Level -9.6 mPD (46,575 cu.m)	18-Apr-19A	26-Oct-19A				
CB162100	[North - Area 3 & 4] Pile Head Treatment (52 nr BP)	23-May-19A	02-Nov-19				
Cost Centre C - Basement							
Cost Centre C1 - Essential Basement Structure (Excl. AET Protection & Box Culvert)							
CC100100	[South - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion	30-Apr-19A	31-Oct-19A				
CC100200	[South - L01] Construct Central Pile Cap / B2 Slab at -11.3mPD & -14.2mPD	09-May-19A	09-Nov-19				
CC100210	[South - L01] Blinding Layer for Pile Cap / B2 Slab at South / West	23-Dec-19	15-Jan-20				
CC100220	[South - L01] Construct South / West Pile Cap / B2 Slab at -12.4mPD	27-Dec-19	08-Feb-20				
CC100420	[South - L01] Construct Central B2-B1 Columns & Structural Walls	25-Nov-19	15-Jan-20				
CC100440	[South - L01] Construct Central B1 Beam & Slab	16-Dec-19	08-Feb-20				
CC101400	[North - L04] Blinding Layer for Pile Cap / B2 Slab	12-Jun-19A	04-Nov-19				
CC101500	[North - L04] Construct Pile Cap / B2 Slab at -9.6mPD	22-Jun-19A	20-Nov-19				
CC101600	[North - L04] Remove Strut Layer S4	04-Nov-19	07-Dec-19				
CC101700	[North - L04] Construct B2-B1 Columns & Structural Walls	28-Nov-19	29-Jan-20				
CC102420	[Area 6 - L06] Construct B1-B1M Columns & Structural Walls	10-Dec-18A	09-Nov-19				
CC102430	[Area 6 - L06] Construct B1M Beam & Slab	14-Jan-19A	16-Nov-19				
CC102510	[Area 6 - L06] Construct B1M-GF Columns & Structural Walls	13-May-19A	23-Nov-19				

Remaining Work
 Critical Remaining Work
 Actual Work
 Milestone

Project ID: L13MRP-2019031-En
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West Kowloon Cultural District Authority
L1 Contract for Lyric Theatre Complex & Extended Basement
Three Month Rolling Programme (3MRP) - Status as of 31 Oct 2019



Activity ID	Activity Name	Start Date	Finish Date	2019			2020
				Oct 22	Nov 23	Dec 24	Jan 25
CAI No. 012 Advance Works for Artist Square Bridge							
P34 Stair & Lift Tower							
CAI12320	ELS Works & Excavate to Formation Level	21-Aug-19A	14-Sep-19A				
CAI12330	Trim Pile Heads, Blinding Layer & Construct Pile Cap	31-Aug-19A	04-Oct-19A				
Cost Centre D - Public Infrastructure Works (PIW)							
Cost Centre D2 - Austin Road West Lay-by							
Cost Centre D2.1 Roadworks and Remaining							
MC30-Ch.170 to MC30-Ch.150							
CD210730	MC30-Ch170-150: Roadworks & Footpath	30-Jan-19A	14-Dec-19				
CD210750	MC30-Ch170-150: Install Street Furniture & Lighting	16-Dec-19	08-Jan-20				
MC30-Ch.150 to MC30-Ch.100							
CD210630	MC30-Ch150-100: Roadworks & Footpath	13-Feb-19A	30-Nov-19				
CD210650	MC30-Ch150-100: Install Street Furniture & Lighting	09-Jan-20	01-Feb-20				
MC30-Ch.100 to MC30-Ch.50							
CD210530	MC30-Ch100-50: Roadworks & Footpath	11-Jul-19A	21-Dec-19				
CD210535	MC30-Ch100-50: Maintenance Staircase	02-Dec-19	21-Dec-19				
CD210550	MC30-Ch100-50: Install Street Furniture & Lighting	03-Feb-20	22-Feb-20				
MC30-Ch.50 to MC30-Ch.00							
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	14-Mar-19A	30-Nov-19				
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	14-Mar-19A	30-Nov-19				
MC20-Ch.140 to MC20-Ch.100							
CD210310	MC20-Ch140-100: Road Drainage (WL1.12 to WL1.9)	06-Jun-19A	14-Dec-19				
CD210320	MC20-Ch140-100: DN450 Freshwater (0+14 - 0+00)	16-Dec-19	31-Dec-19				
CD210325	MC20-Ch140-100: DN450 Salt Water (0+12 - 0+00)	16-Dec-19	31-Dec-19				
Cost Centre D2.2 Drainage							
MC20-Ch.140 to MC20-Ch.00							
CD220190	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1B) - 30m	02-Jul-19A	30-Nov-19				

 Remaining Work
 Critical Remaining Work
 Actual Work
  Milestone

Project ID: L13MRP-2019031-En
 Layout: L1-3MRP (Env)
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West Kowloon Cultural District Authority
L1 Contract for Lyric Theatre Complex & Extended Basement
Three Month Rolling Programme (3MRP) - Status as of 31 Oct 2019



C. Environmental Mitigation Measures – Implementation Status

Table C-1: Environmental Mitigation Measures Implementation Status

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
Air Quality Impact (Construction)							
2.1 & 10.3.1	General Dust Control Measures Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)	Obs	Obs	✓	✓	✓	✓
2.1 & 10.3.1	Best Practice For Dust Control The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include: <i>Good Site Management</i> <ul style="list-style-type: none"> • Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning. <i>Disturbed Parts of the Roads</i> <ul style="list-style-type: none"> • Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or • Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet. <i>Exposed Earth</i> <ul style="list-style-type: none"> • Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies. <i>Loading, Unloading or Transfer of Dusty Materials</i> <ul style="list-style-type: none"> • All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet. 	Obs	✓	Obs	✓	Obs	Obs
		✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓
		N/A	N/A	N/A	N/A	N/A	N/A
		✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
	<i>Debris Handling</i>						
	• Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.	✓	✓	✓	Obs	✓	✓
	• Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.	✓	✓	✓	✓	✓	✓
	<i>Transport of Dusty Materials</i>						
	• Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.	✓	✓	✓	✓	✓	✓
	<i>Wheel washing</i>						
	• Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓	✓	✓	✓	✓
	<i>Use of vehicles</i>						
	• The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.	✓	✓	✓	✓	✓	✓
	• Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓	✓	✓	✓	✓
	• Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	✓	✓	✓	✓	✓	✓
	<i>Site hoarding</i>						
	• Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.	✓	✓	✓	✓	✓	✓
2.1 & 10.3.1	Best Practicable Means for Cement Works (Concrete Batching Plant) The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include: Exhaust from Dust Arrestment Plant						
	• Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
	Emission Limits						
	<ul style="list-style-type: none"> All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke 	✓	✓	✓	✓	✓	✓
	Engineering Design/Technical Requirements						
	<ul style="list-style-type: none"> As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions 	✓	✓	✓	✓	✓	✓
-	<p>Non-Road Mobile Machinery (NRMM):</p> <p>All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.</p>	✓	✓	✓	✓	✓	Obs / Rem
Noise Impact (Construction)							
3.1 & 10.4.1	<p>Good Site Practice</p> <p>Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:</p> <ul style="list-style-type: none"> only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; mobile plant should be sited as far away from NSRs as possible; and material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities. 	✓	✓	✓	✓	✓	✓
3.1 & 10.4.1	<p>Adoption of Quieter PME</p> <p>The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in Table 4.26 in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.</p>	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
3.1 & 10.4.1	<p>Use of Movable Noise Barriers</p> <p>Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.</p>	N/A	N/A	N/A	✓	✓	✓
3.1 & 10.4.1	<p>Use of Noise Enclosure/ Acoustic Shed</p> <p>The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No. 9/2010.</p>	N/A	N/A	N/A	✓	✓	✓
3.1 & 10.4.1	<p>Use of Noise Insulating Fabric</p> <p>Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.</p>	N/A	N/A	N/A	✓	✓	✓
3.1 & 10.4.1	<p>Scheduling of Construction Works outside School Examination Periods</p> <p>During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.</p>	N/A	N/A	N/A	N/A	N/A	N/A
Water Quality Impact (Construction)							
4.1 & 10.5.1	<p>Construction site runoff and drainage</p> <p>The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts:</p> <ul style="list-style-type: none"> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; 	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
	<ul style="list-style-type: none"> Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. 	✓	✓	✓	✓	✓	Rem
	<ul style="list-style-type: none"> All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times. 	✓	Rem	✓	Obs / Rem	Obs / Rem	✓
	<ul style="list-style-type: none"> Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities. 	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains. 	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system. 	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers. 	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes. 	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
	<ul style="list-style-type: none"> Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries. <p>Barging facilities and activities Recommendations for good site practices during operation of the proposed barging point include:</p> <ul style="list-style-type: none"> All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation; All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site. 	N/A	N/A	N/A	N/A	N/A	N/A
4.1 & 10.5.1	<p>Sewage effluent from construction workforce Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.</p>	✓	✓	✓	✓	✓	✓
4.1 & 10.5.1	<p>General construction activities</p> <ul style="list-style-type: none"> Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used. Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event. 	✓	✓	✓	✓	✓	✓
Waste Management Implications (Construction)							
6.1 & 10.7.1	<p>Good Site Practices Recommendations for good site practices during the construction activities include:</p>						

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
	<ul style="list-style-type: none"> Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site Training of site personnel in proper waste management and chemical handling procedures Provision of sufficient waste disposal points and regular collection of waste Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated 	✓	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p>Waste Reduction Measures</p> <p>Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> Sort inert C&D material to recover any recyclable portions such as metals Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force Proper site practices to minimise the potential for damage or contamination of inert C&D materials Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of wastes 	✓	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p>Inert and Non-inert C&D Materials</p> <p>In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.</p> <ul style="list-style-type: none"> The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong. 	✓	✓	✓	✓	✓	✓

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		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
	<ul style="list-style-type: none"> Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD. The C&D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site. In order to monitor the disposal of inert and non-inert C&D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No. 6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site. 	✓	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p>Chemical Waste</p> <ul style="list-style-type: none"> If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the “Code of Practice on the Packaging Labelling and Storage of Chemical Wastes”. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended. 	✓	✓	✓	✓	Obs	✓
6.1 & 10.7.1	<p>General Refuse</p> <p>General refuse should be stored in enclosed bins or compaction units separated from inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.</p>	✓	✓	✓	✓	Obs / Rem	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
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		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
Land Contamination (Construction)							
7.1 & 10.8.1	<p>The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials.</p> <p>The following measures are proposed for excavation and transportation of contaminated material:</p> <ul style="list-style-type: none"> To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed; Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site; Stockpiling of contaminated excavated materials on site should be avoided as far as possible; The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; Truck bodies and tailgates should be sealed to stop any discharge; Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; Speed control for trucks carrying contaminated materials should be exercised; Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354) and obtain all necessary permits where required; and Maintain records of waste generation and disposal quantities and disposal arrangements. 	N/A	N/A	N/A	N/A	N/A	N/A
Ecological Impact (Construction)							
	No mitigation measure is required.						

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
Landscape and Visual Impact (Construction)							
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 (CM9)	Minimize the structure of marine facilities to be built on the seabed and foreshore in order to minimize the affected extent to the waterbody	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓	✓	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A	N/A	N/A	N/A	N/A

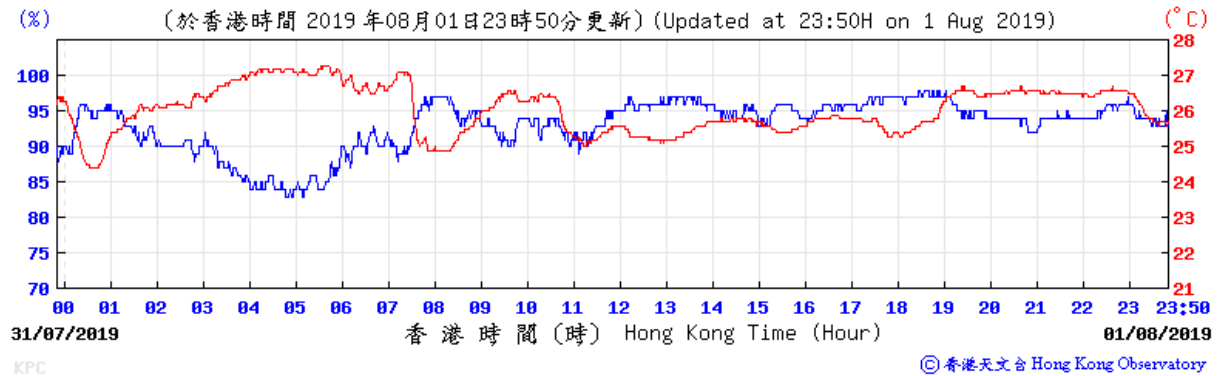
EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		Aug 2019	Sep 2019	Oct 2019	Aug 2019	Sep 2019	Oct 2019
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A	N/A	N/A	N/A	N/A

- N/A - Not Applicable
- ✓ - Implemented
- Obs - Observed
- Rem - Reminder

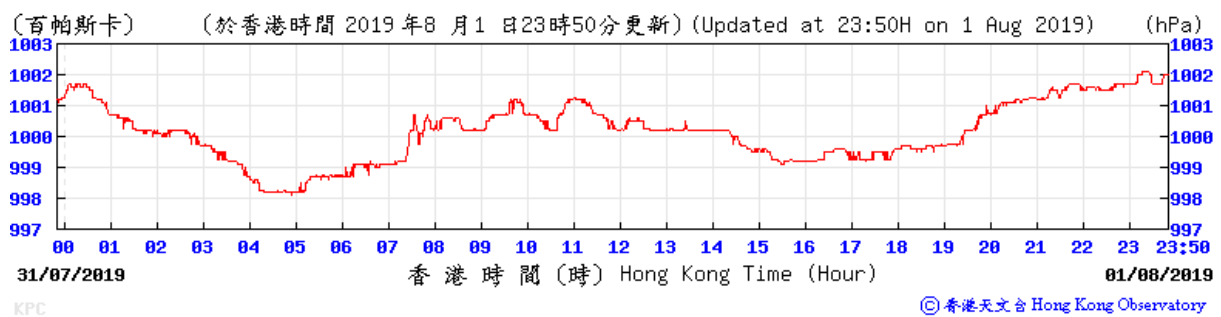
D. Meteorological Data Extracted from Hong Kong Observatory

Table D-1: Extract of Meteorological Observations for King's Park Automatic Weather Station in the reporting quarter

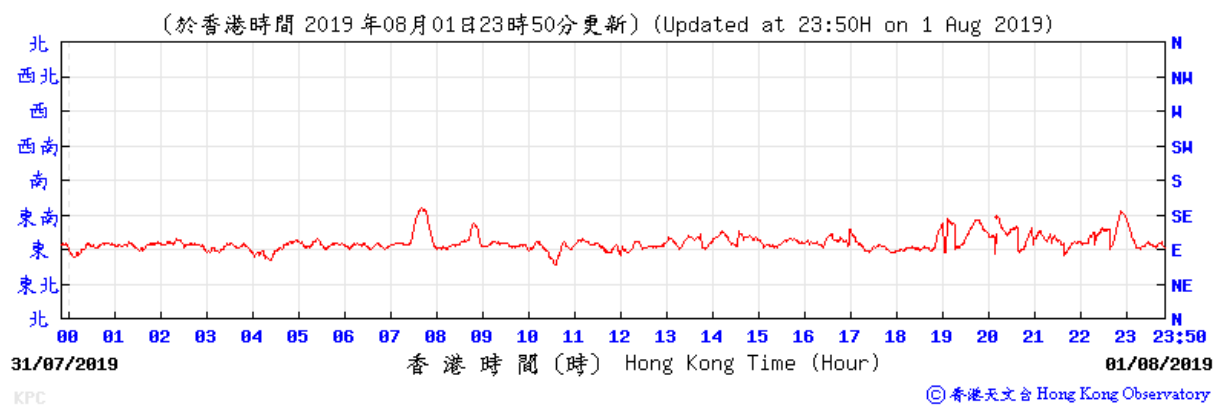
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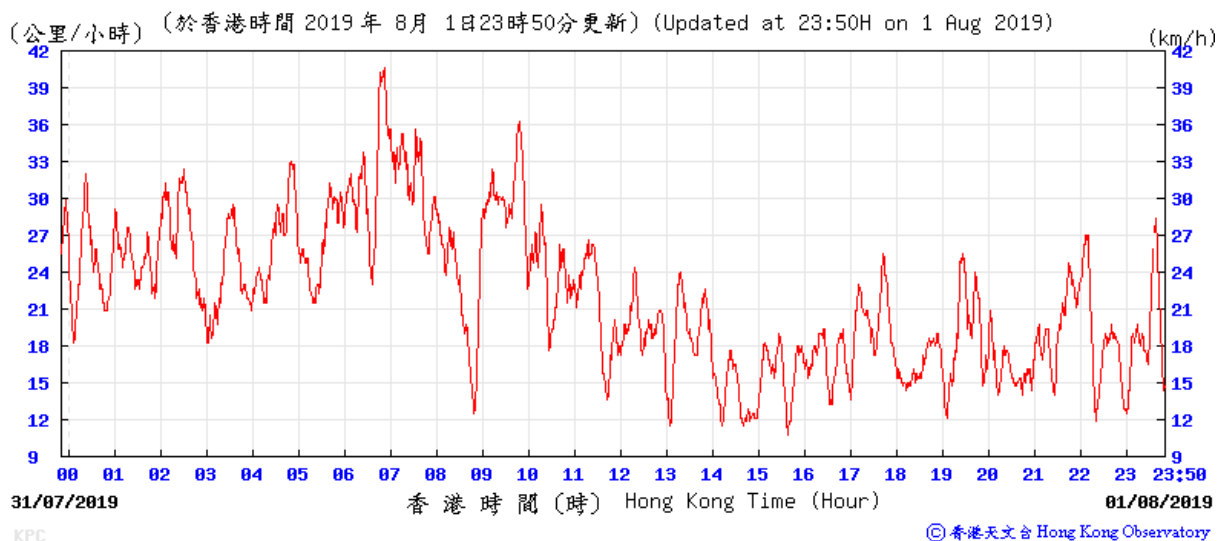
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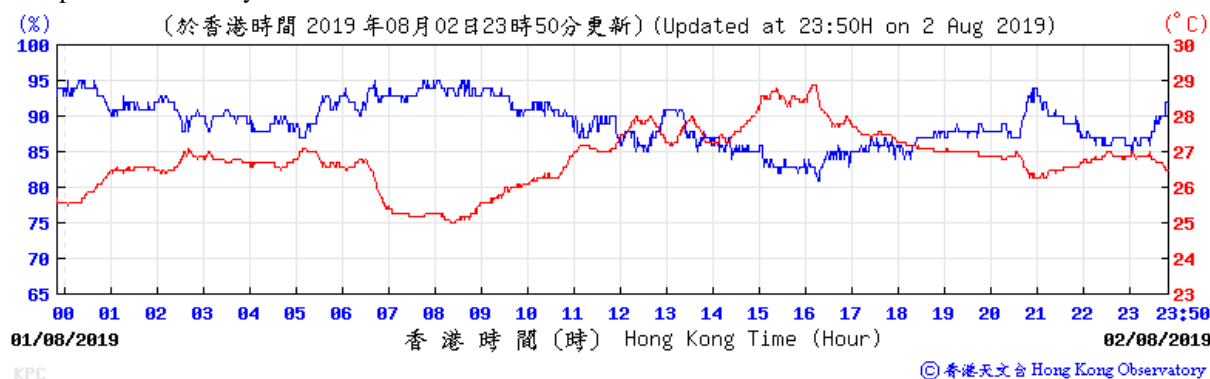
Wind Direction:



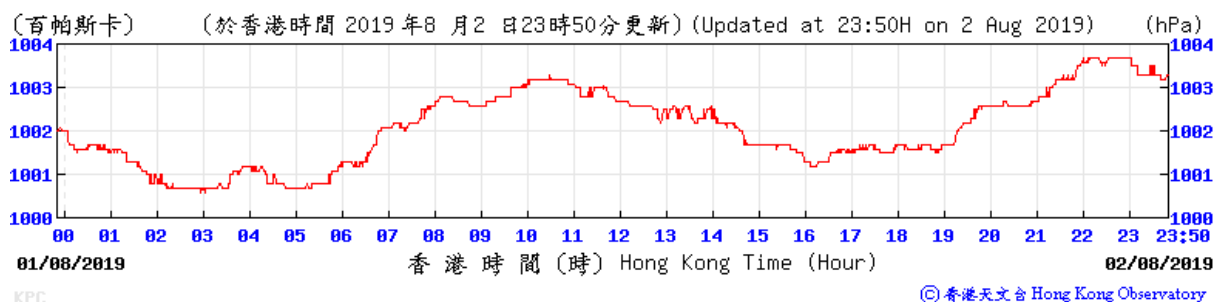
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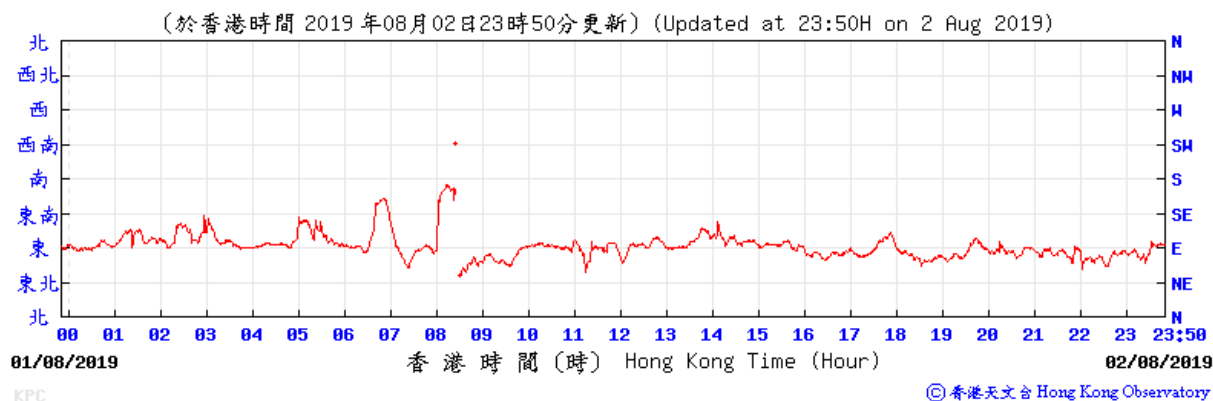
Temperature/Humidity:



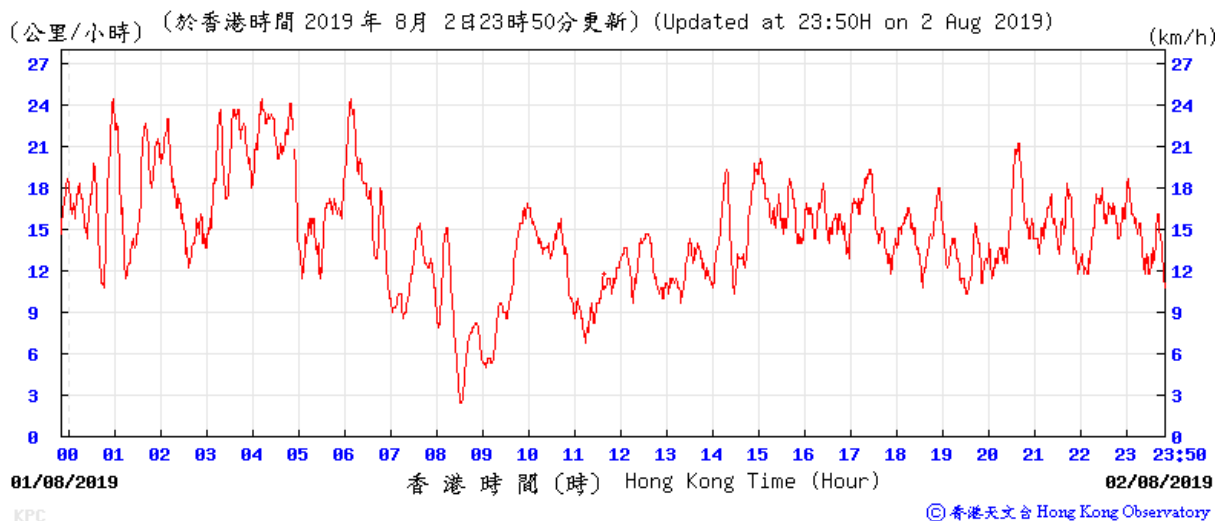
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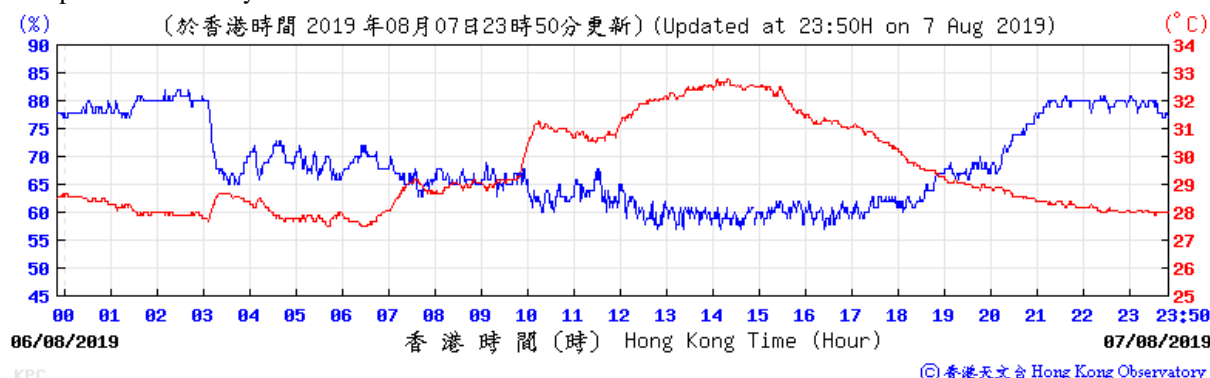
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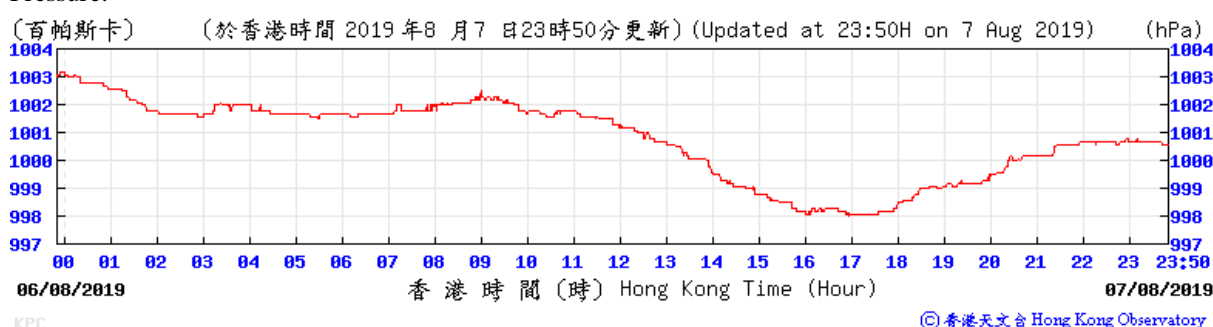
Wind Speed:



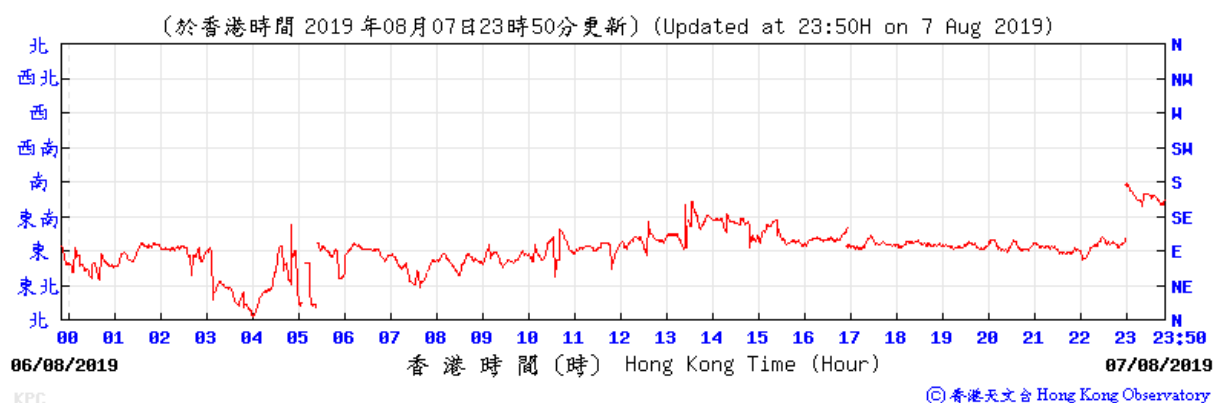
Temperature/Humidity:



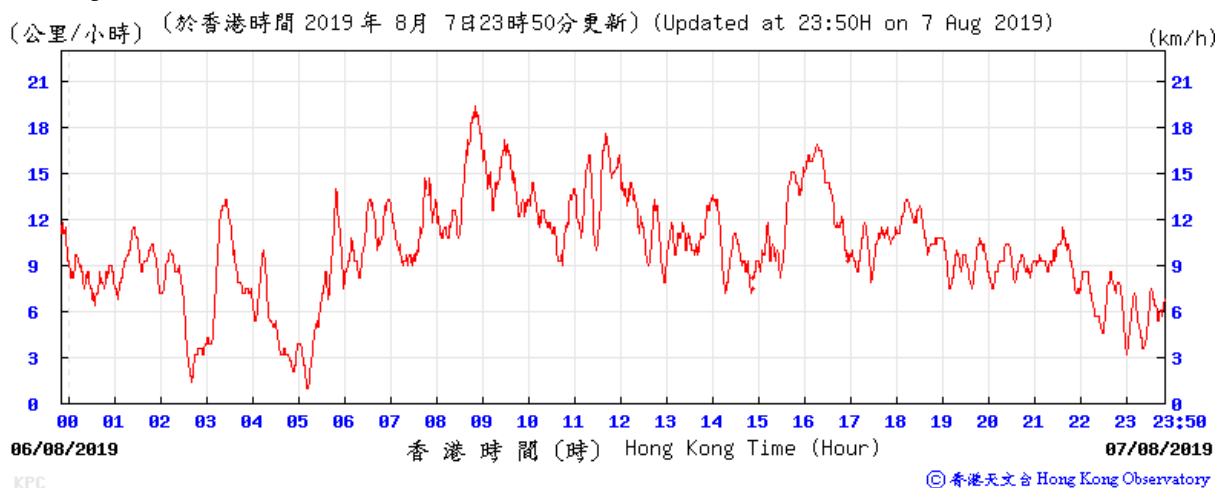
Pressure:



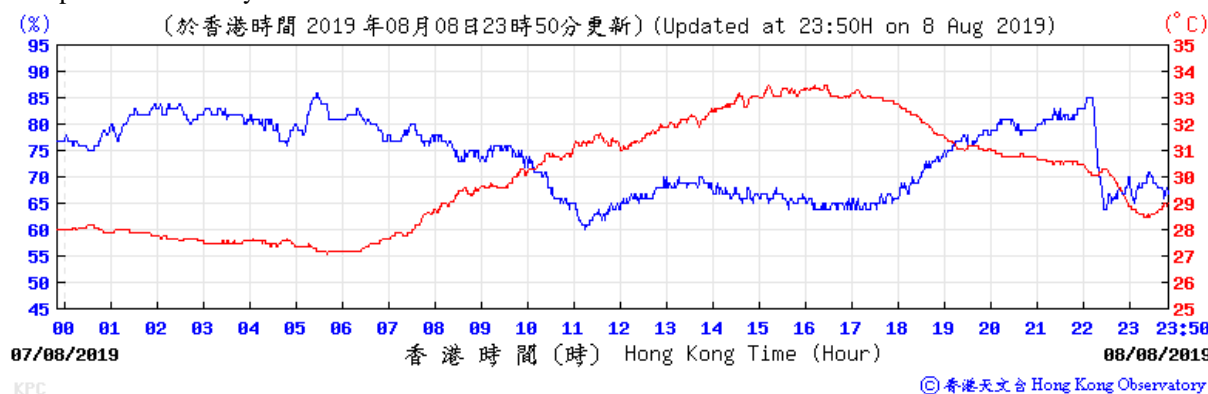
Wind Direction:



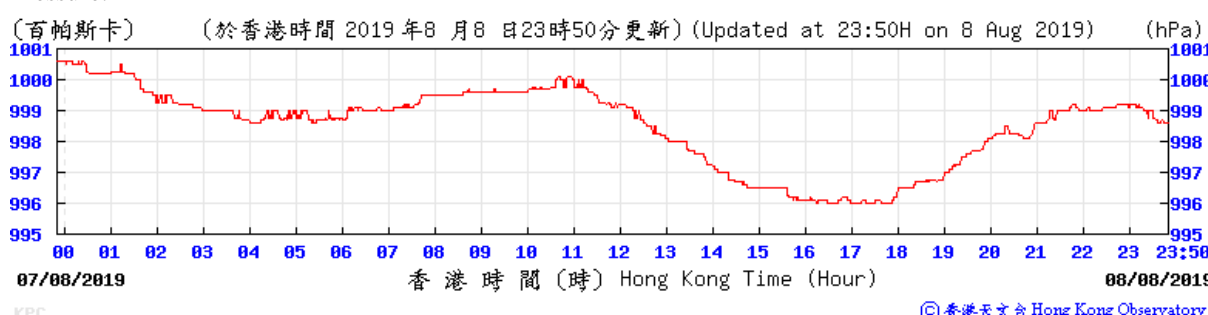
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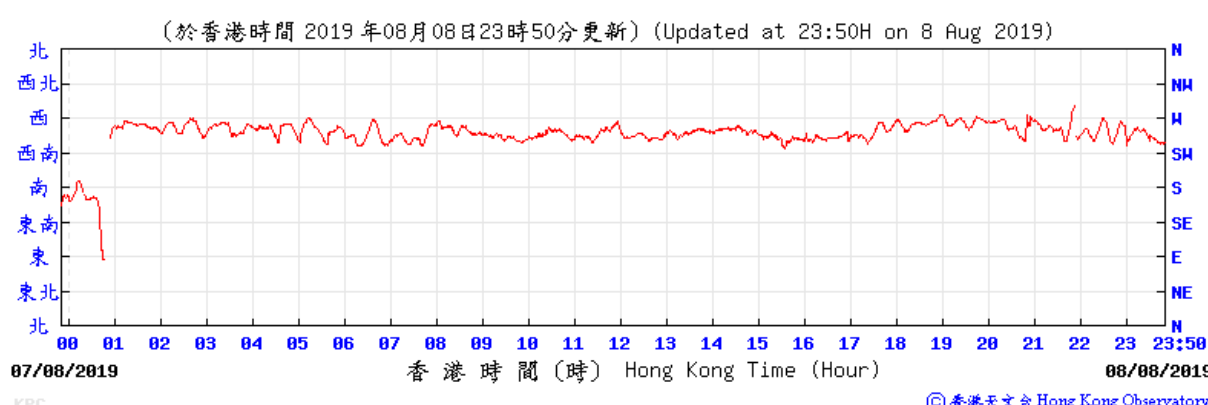
Temperature/Humidity:



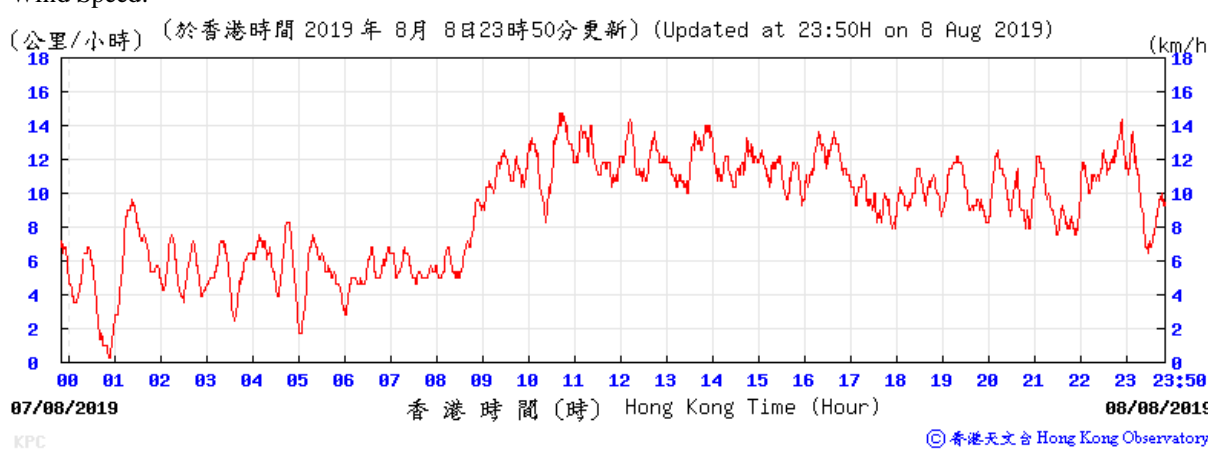
Pressure:



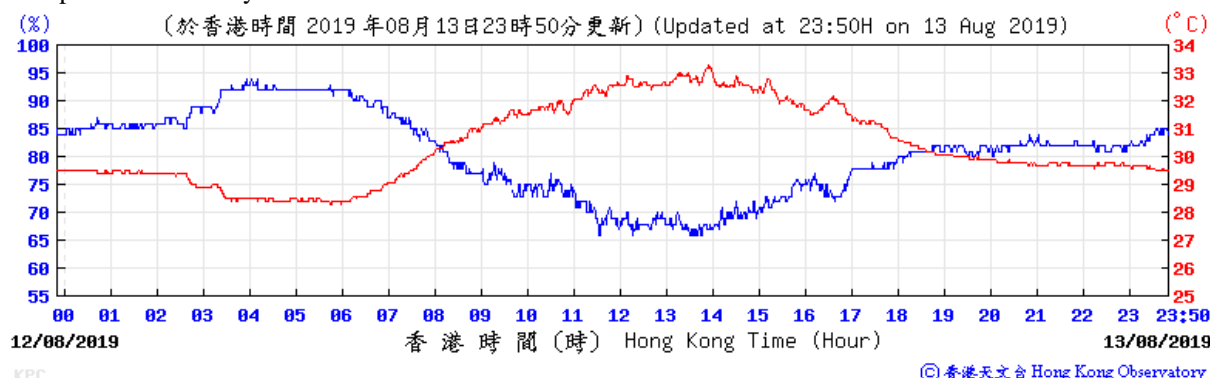
Wind Direction:



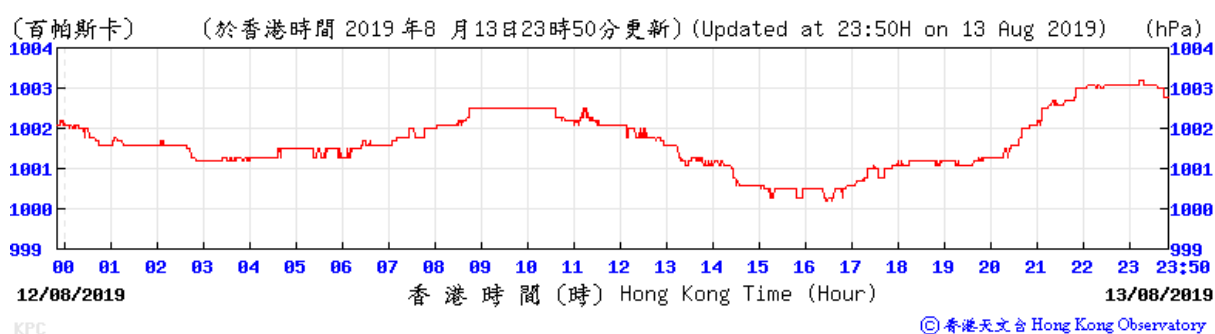
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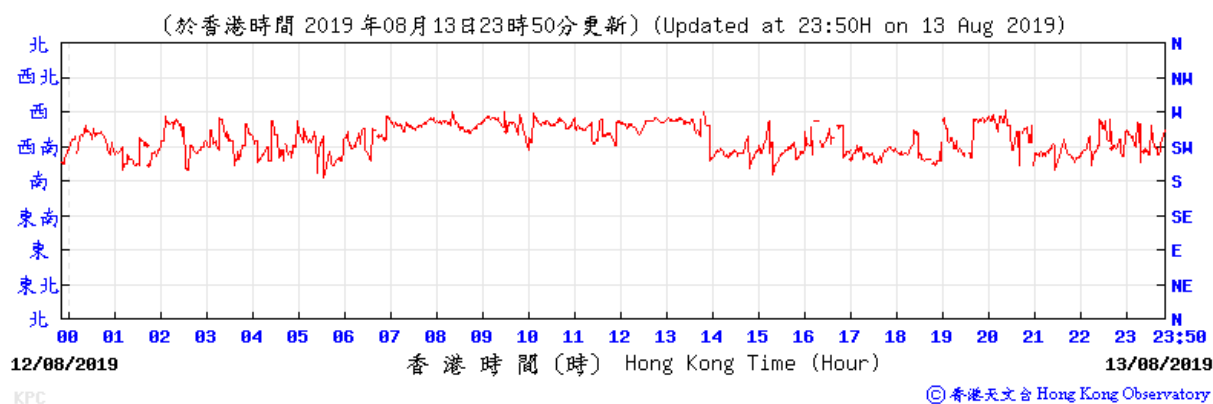
Temperature/Humidity:



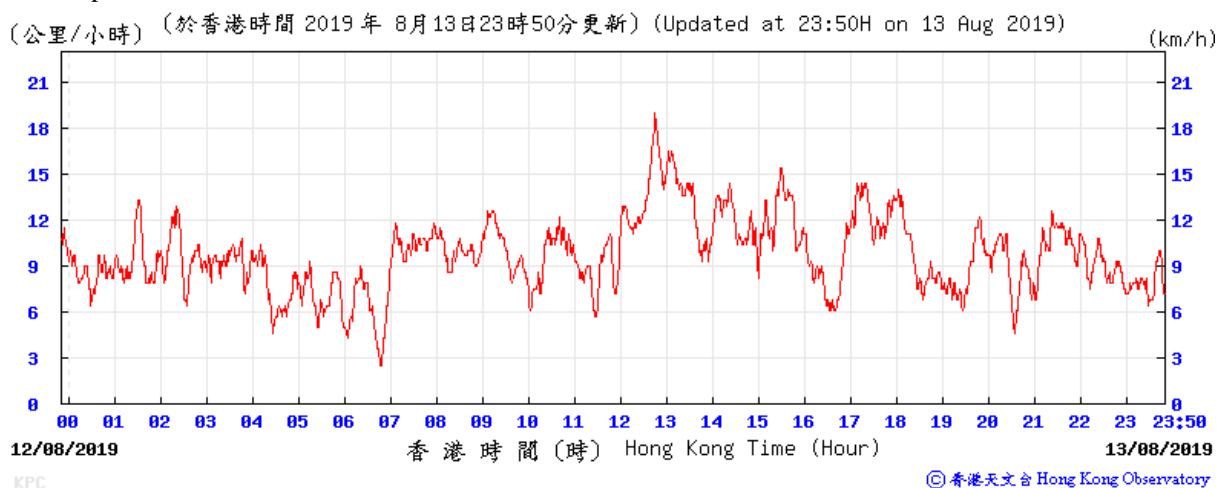
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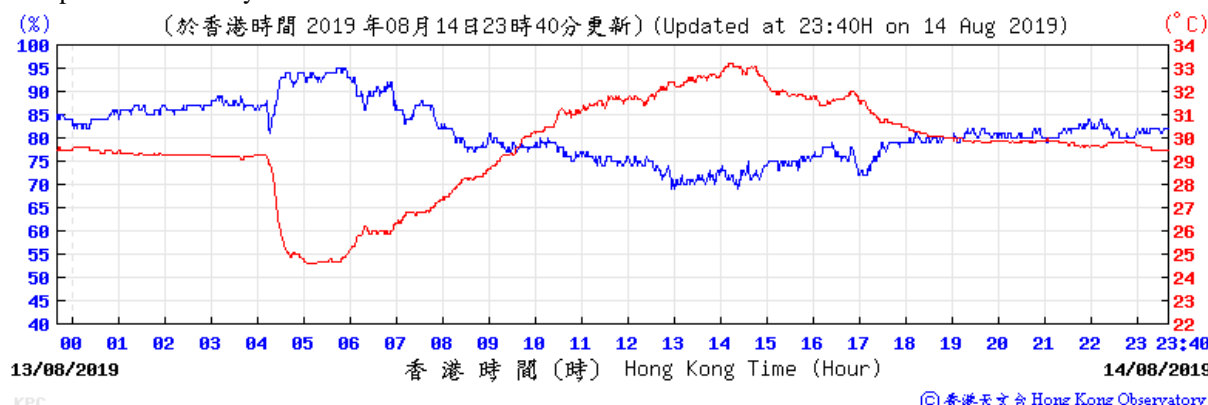
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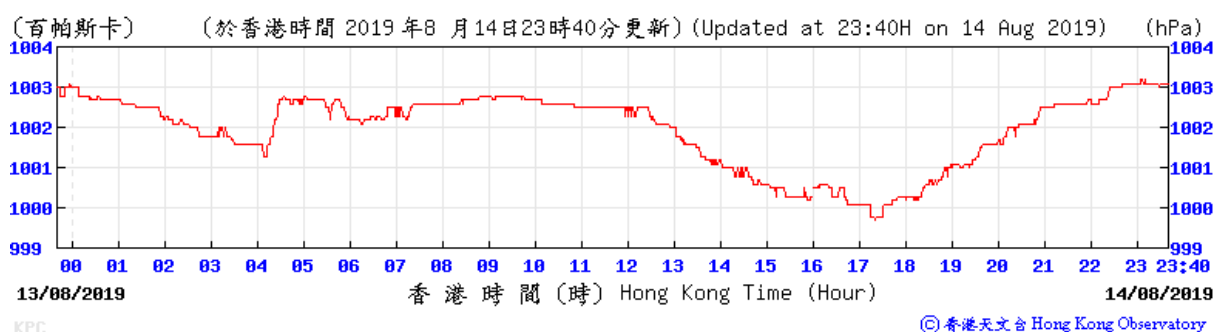
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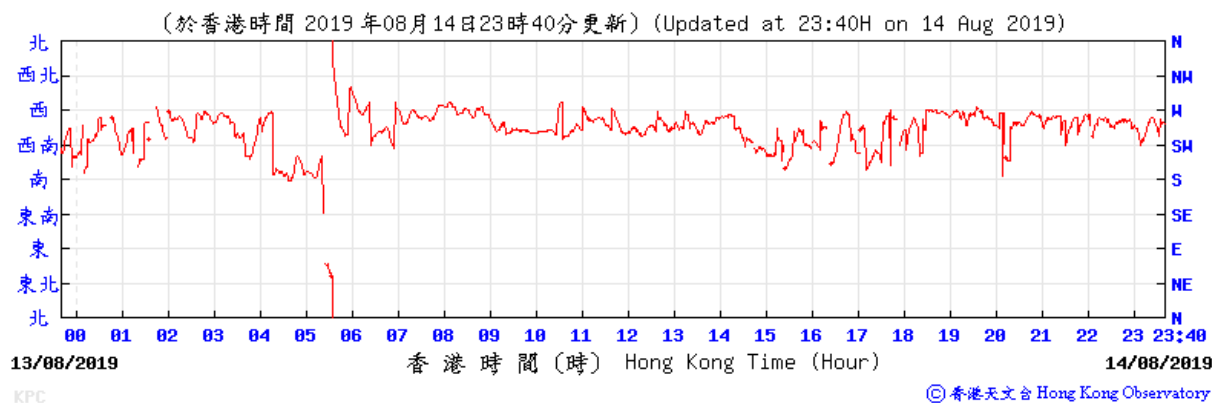
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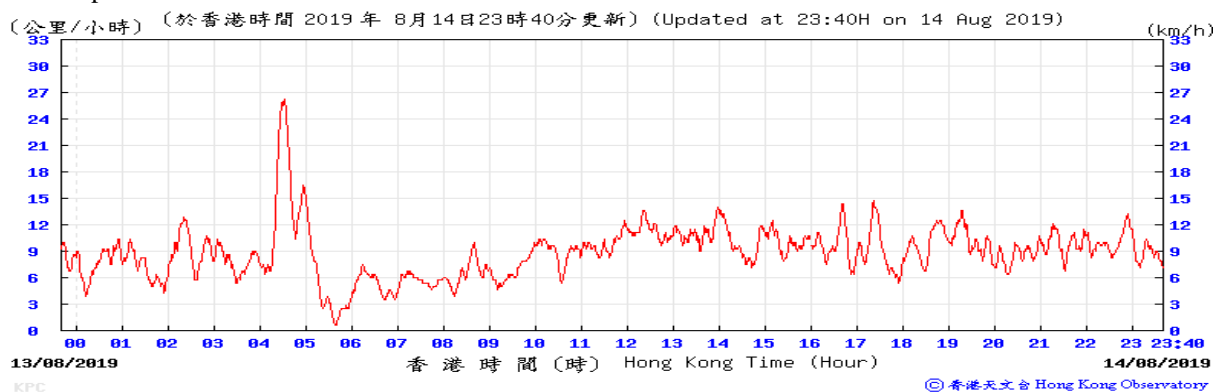
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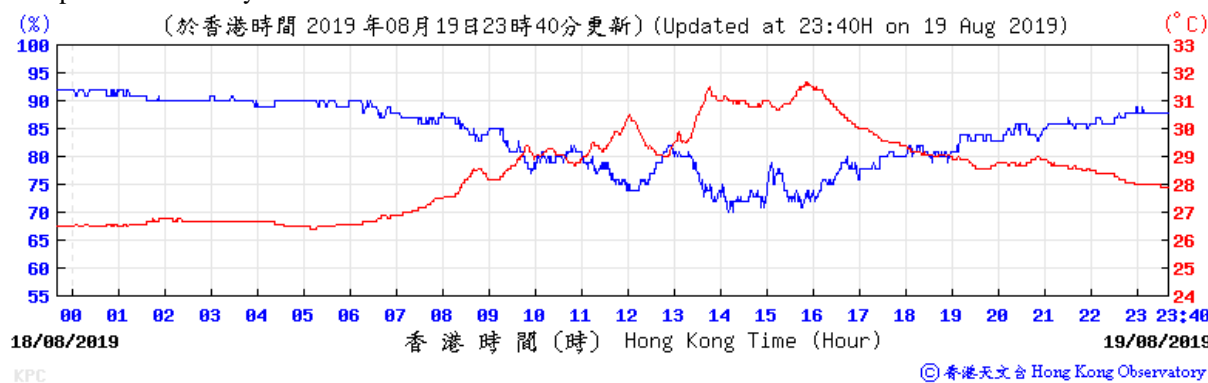
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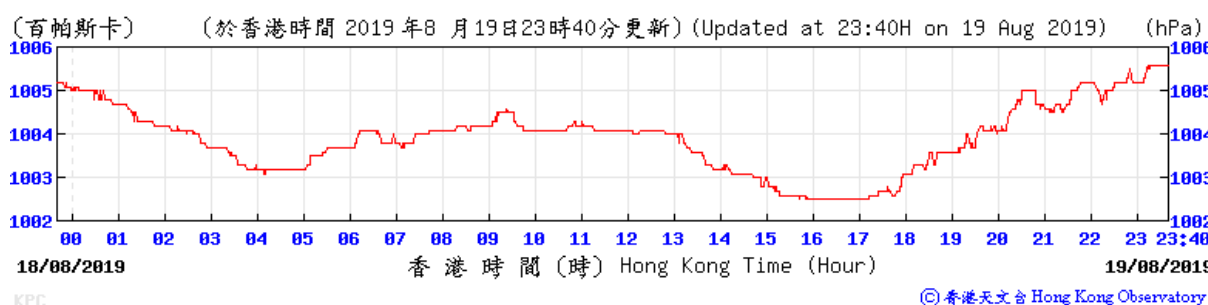
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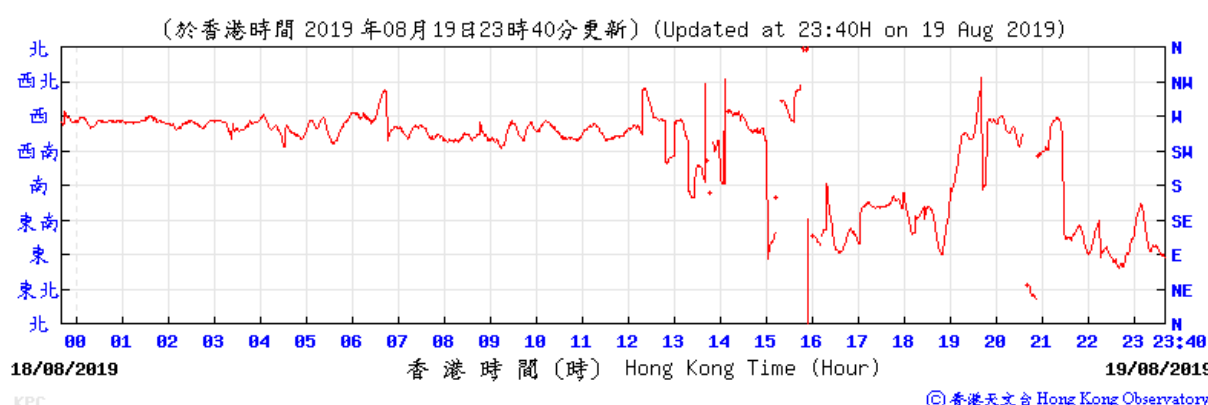
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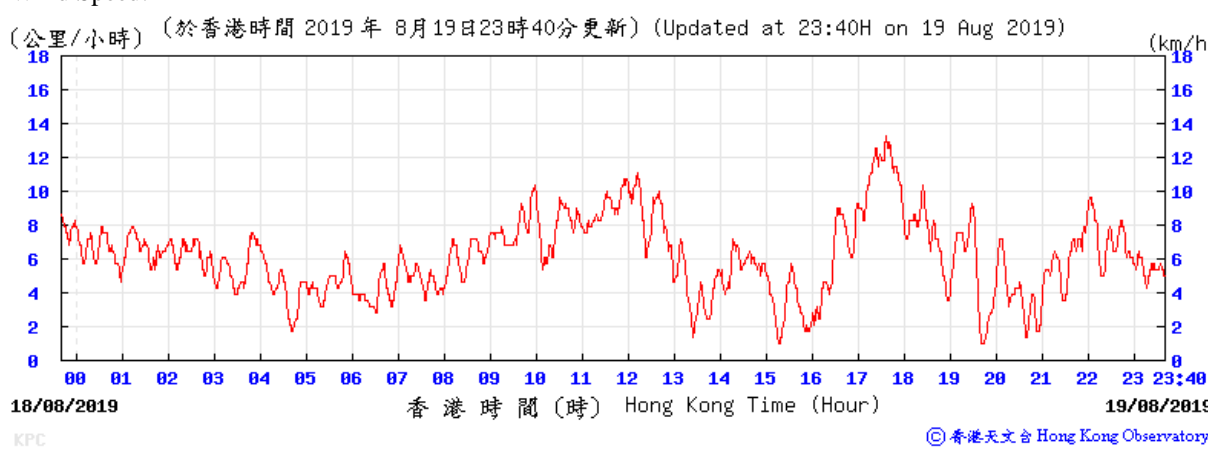
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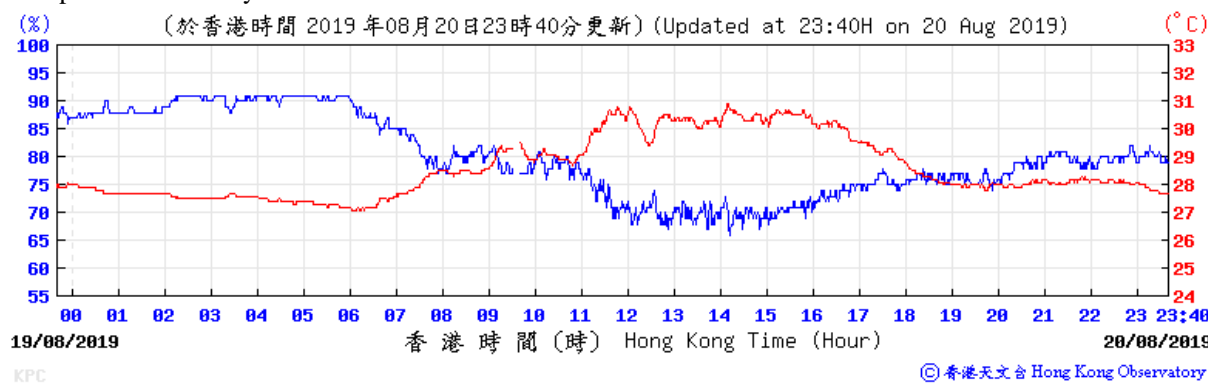
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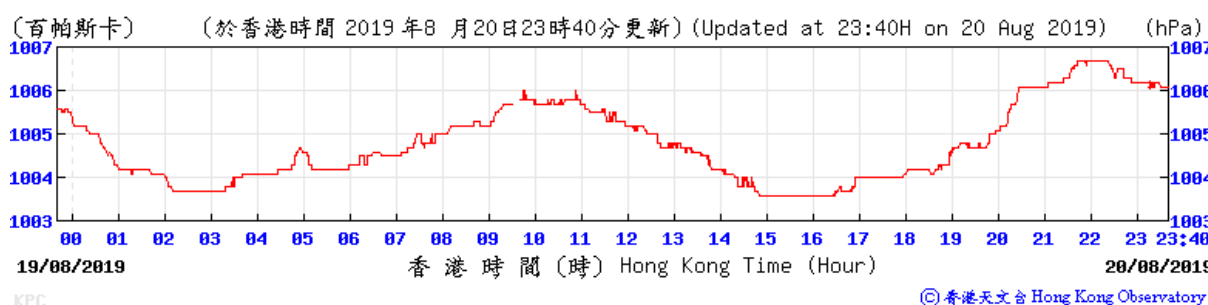
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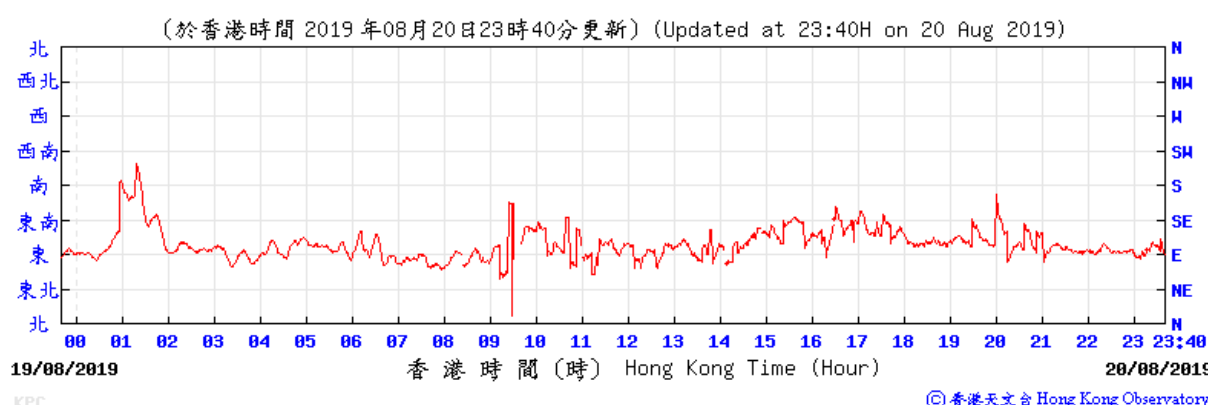
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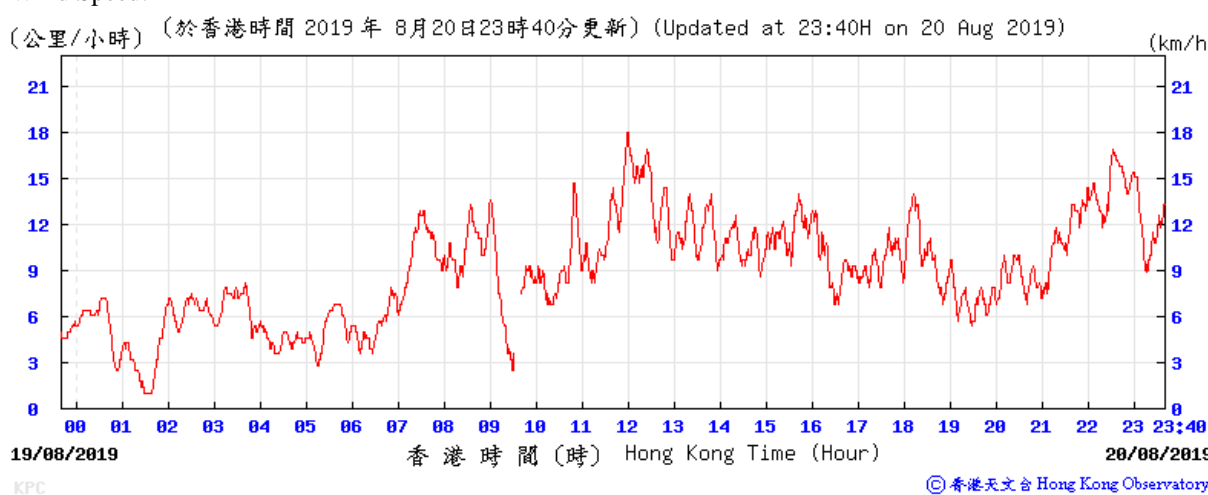
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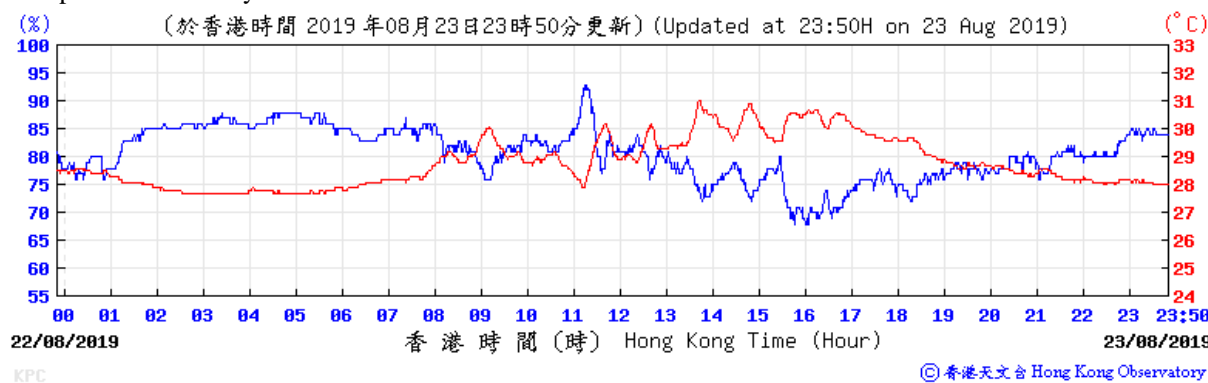
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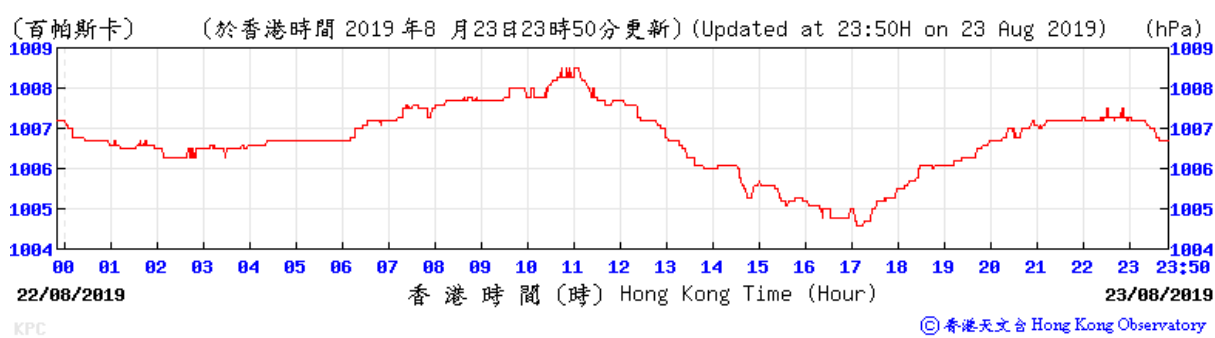
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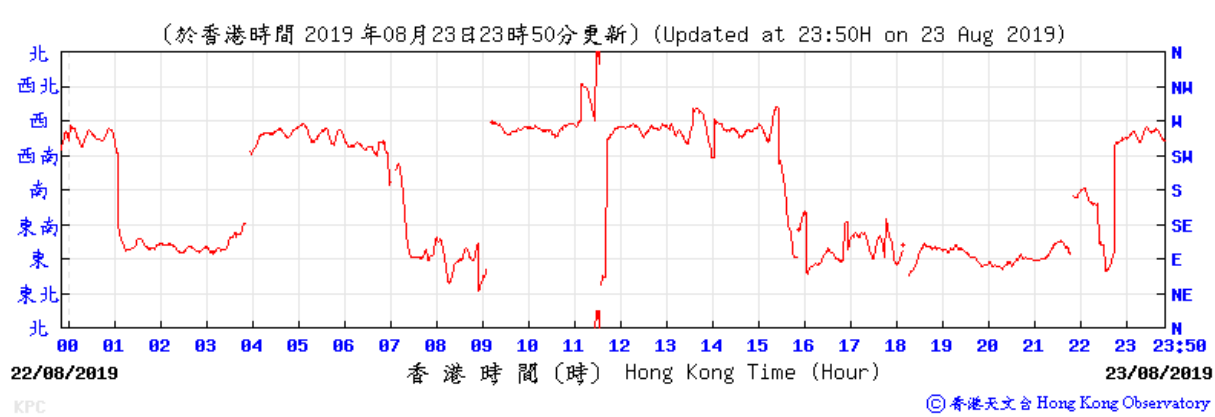
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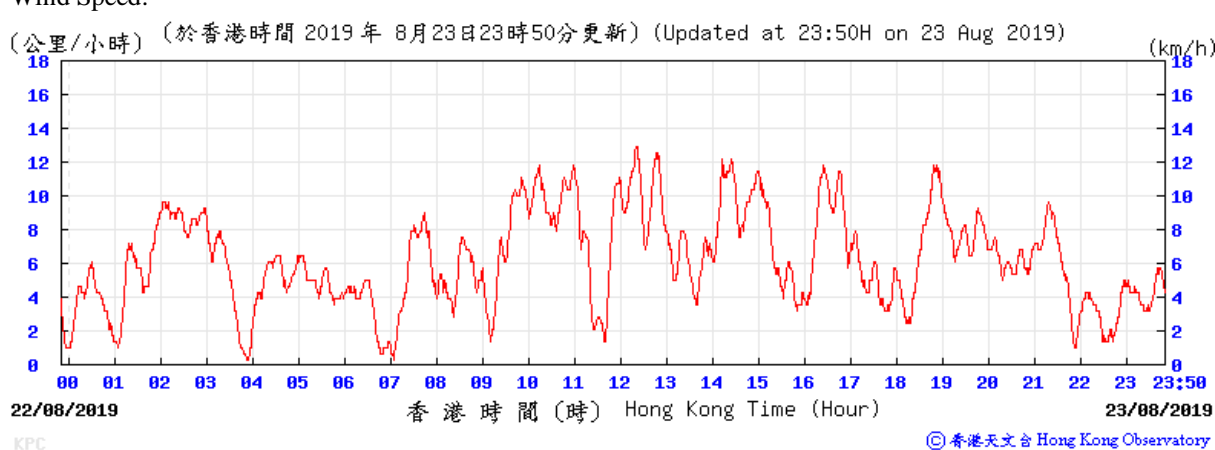
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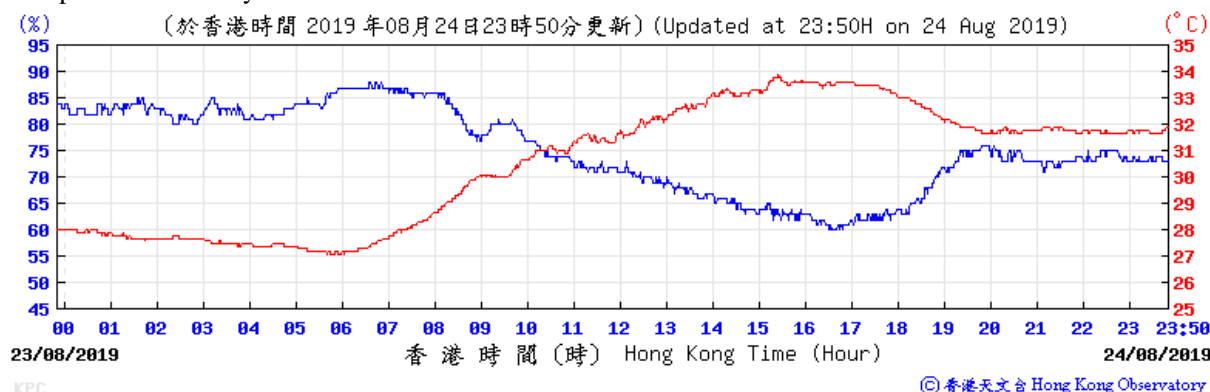
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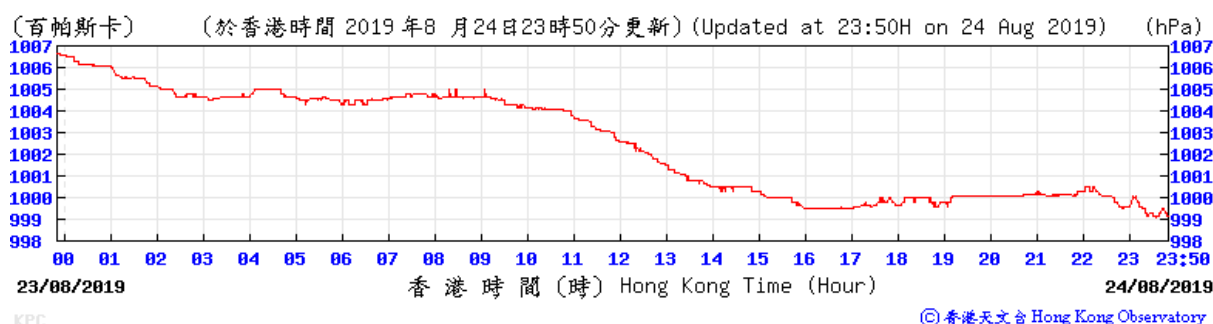
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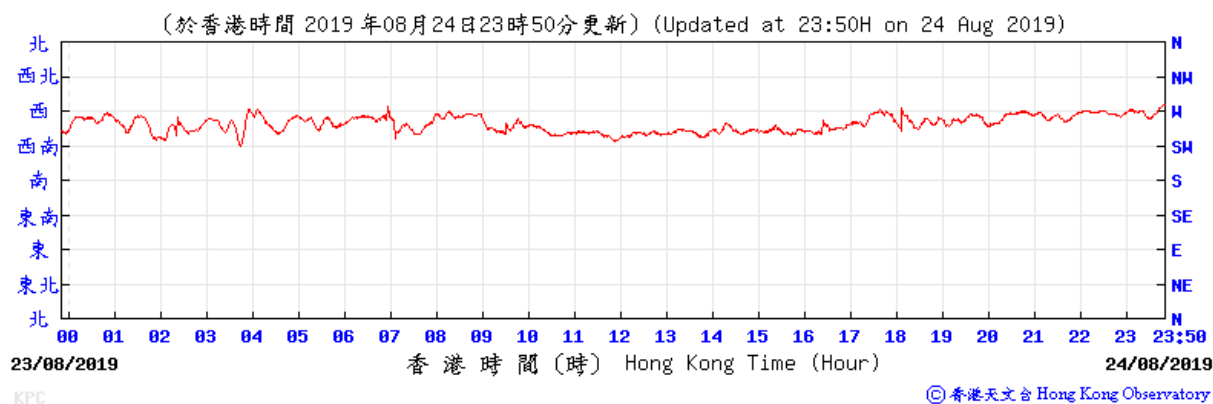
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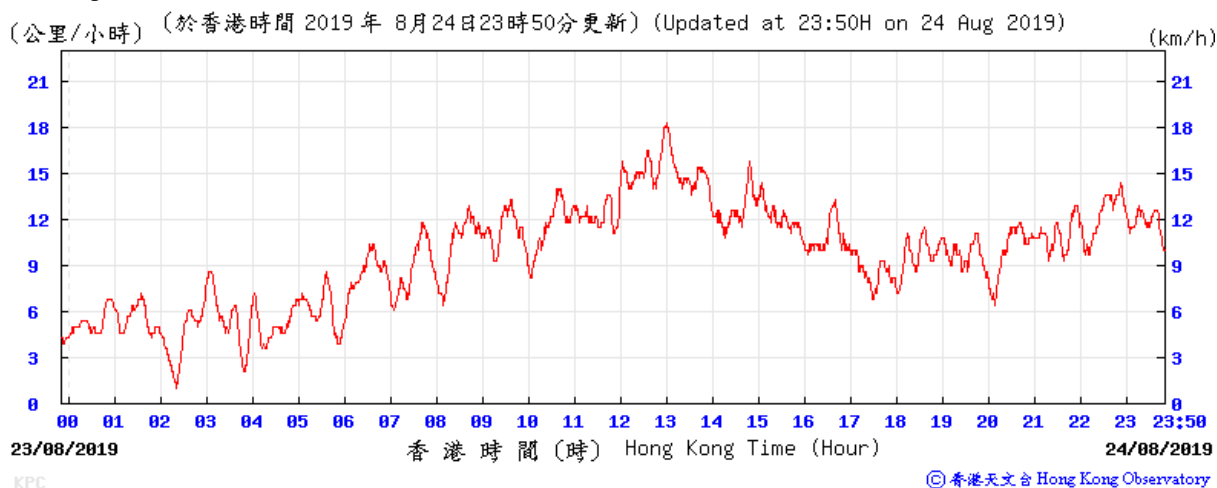
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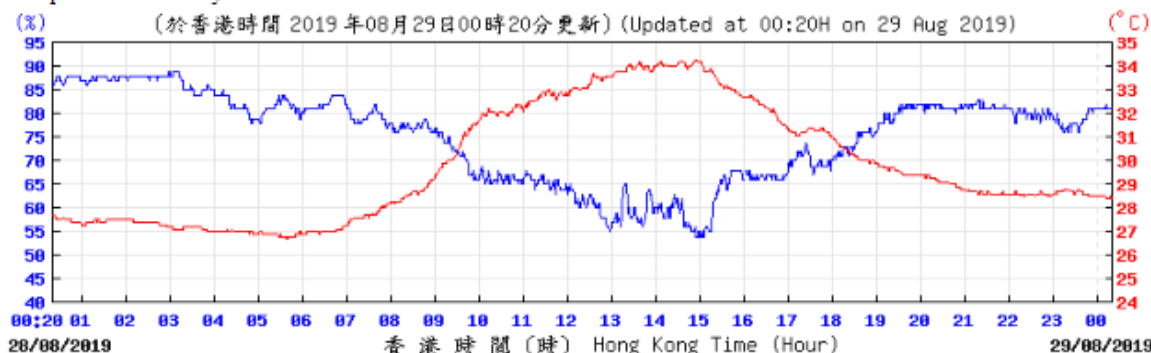
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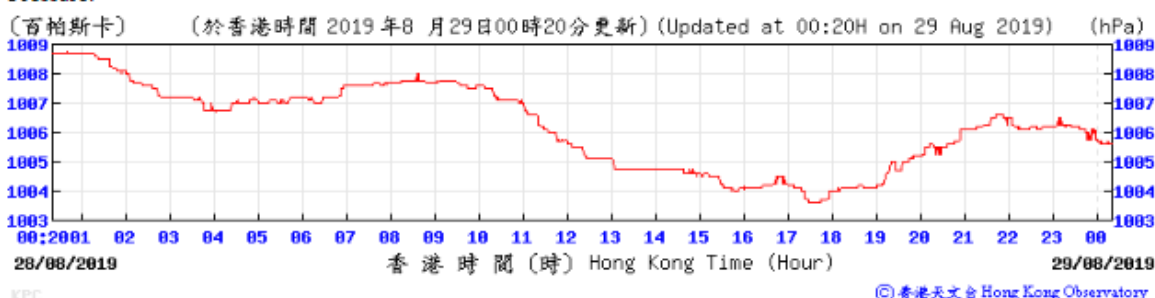
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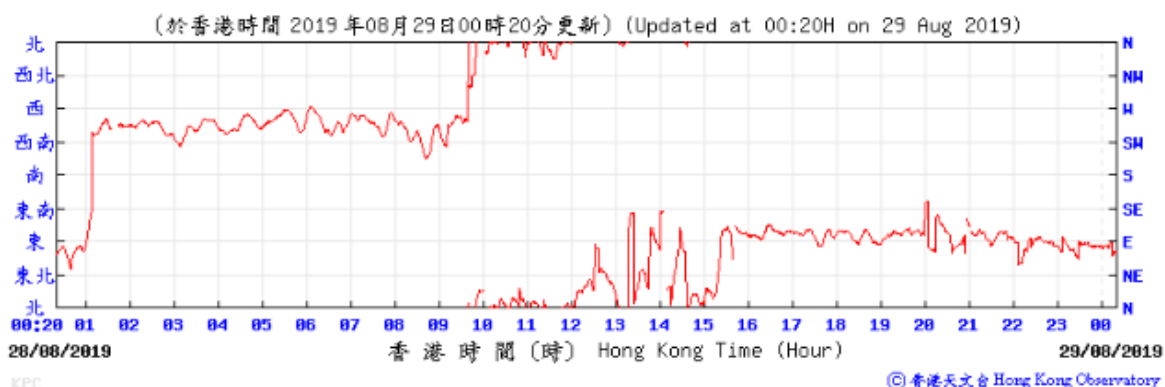
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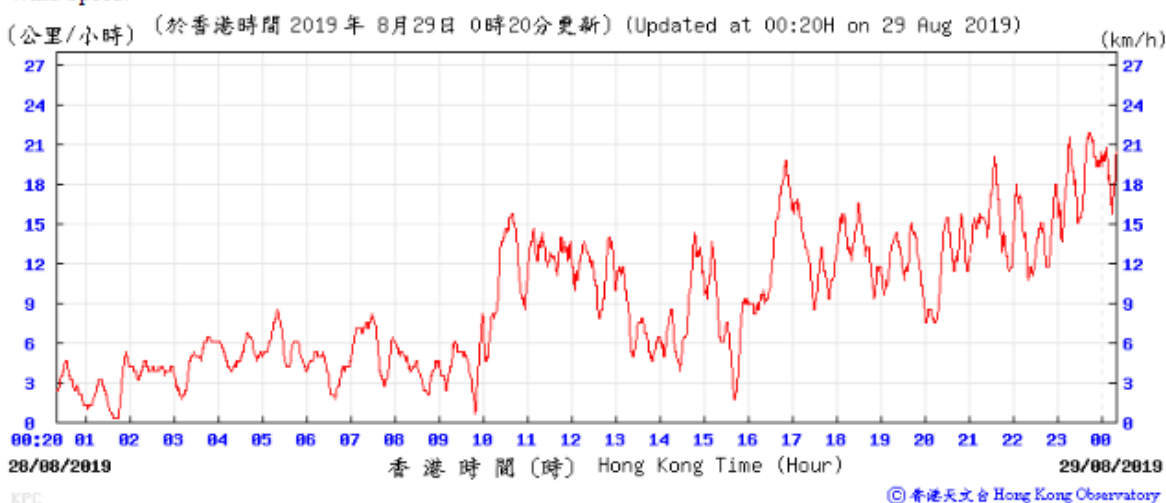
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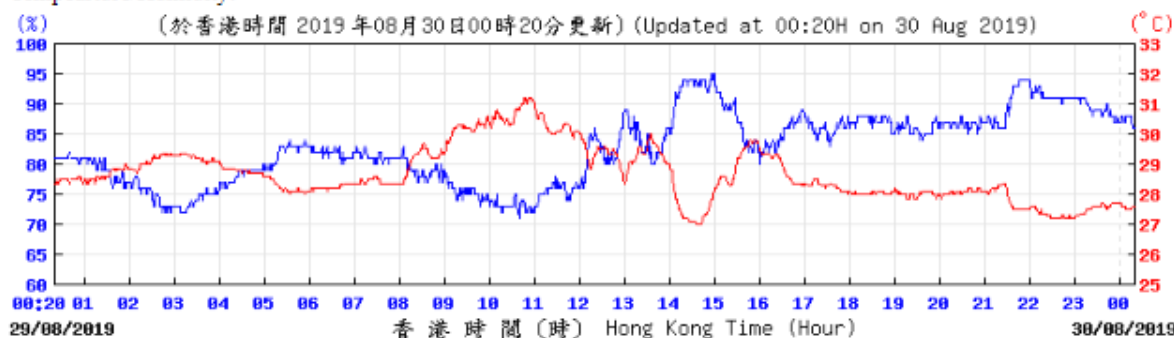
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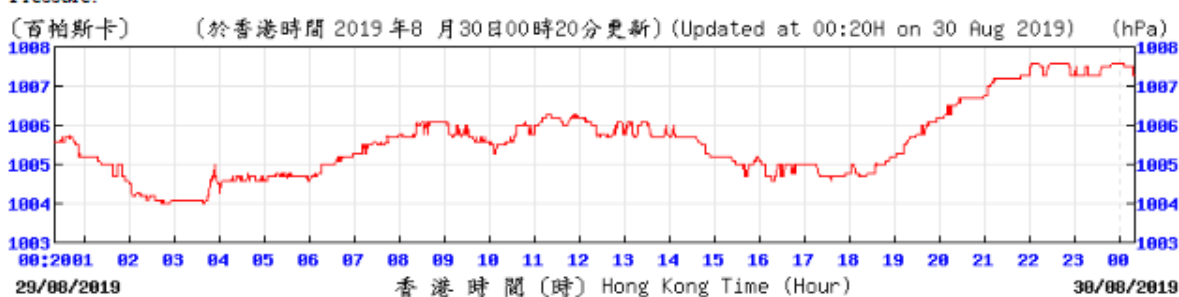
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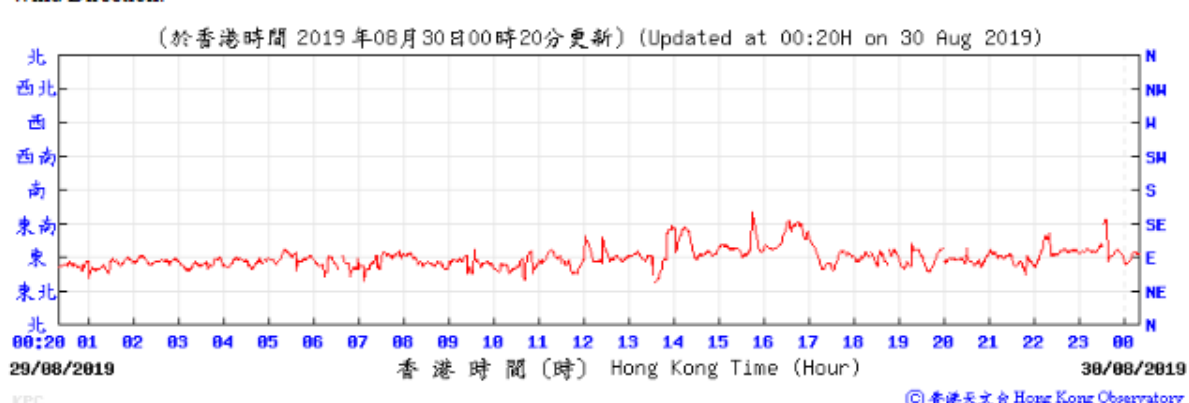
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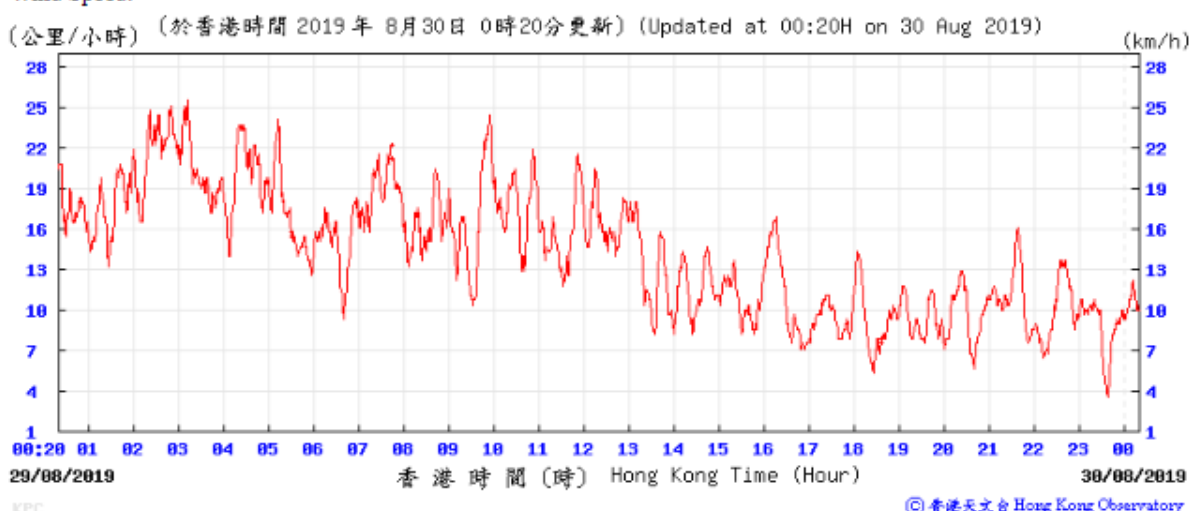
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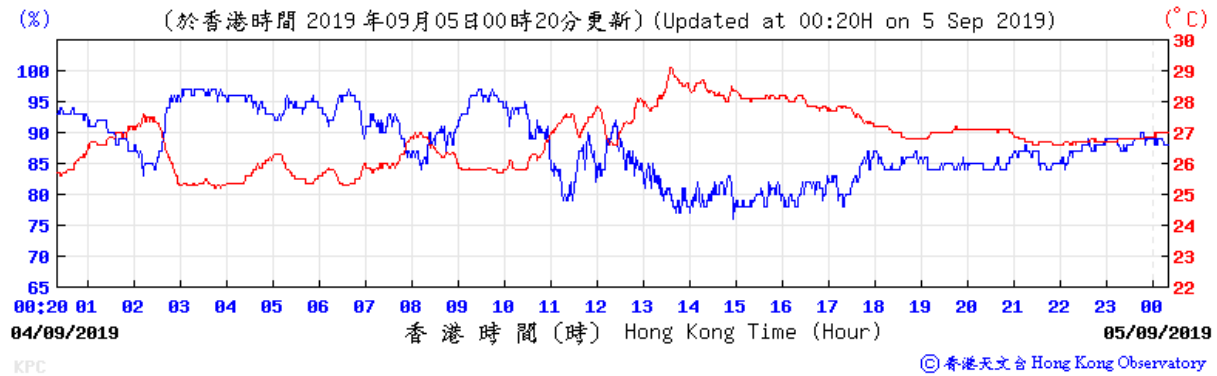
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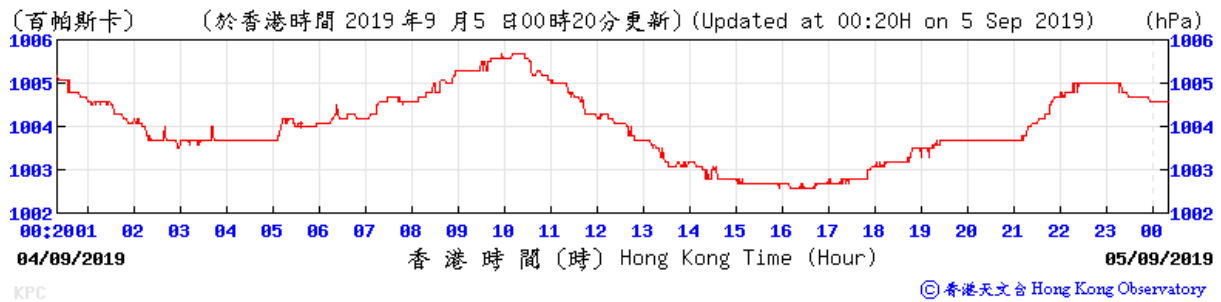
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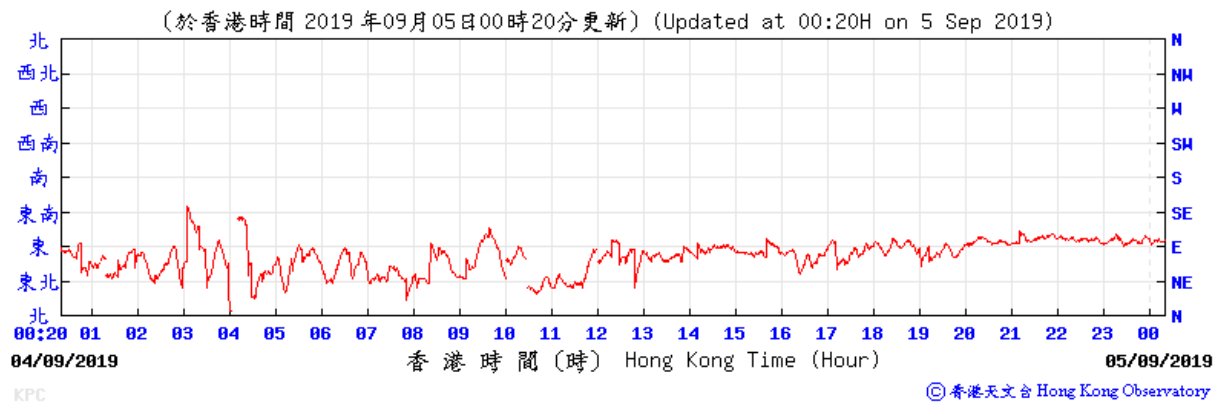
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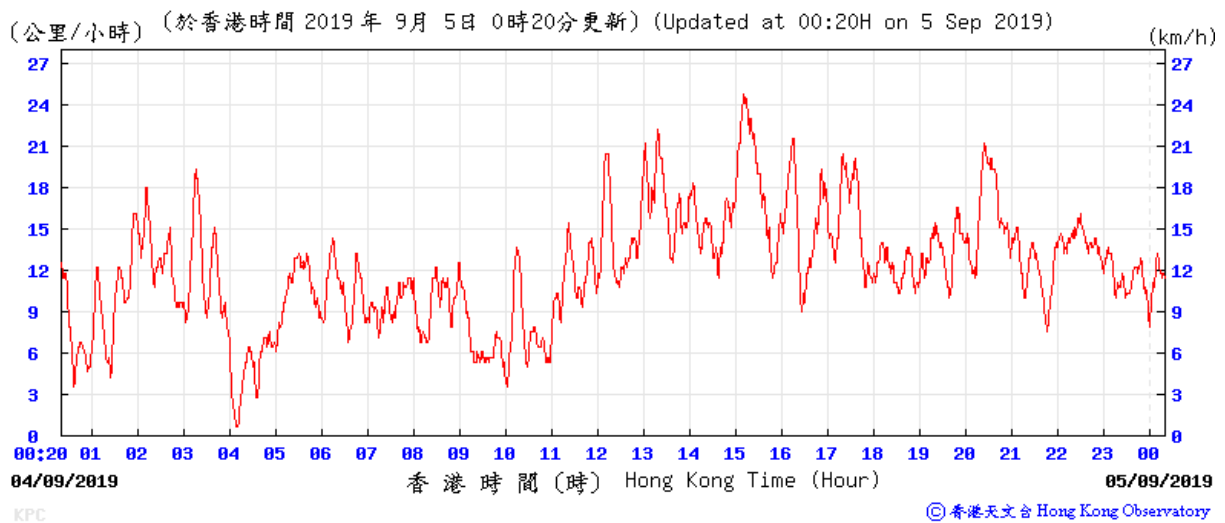
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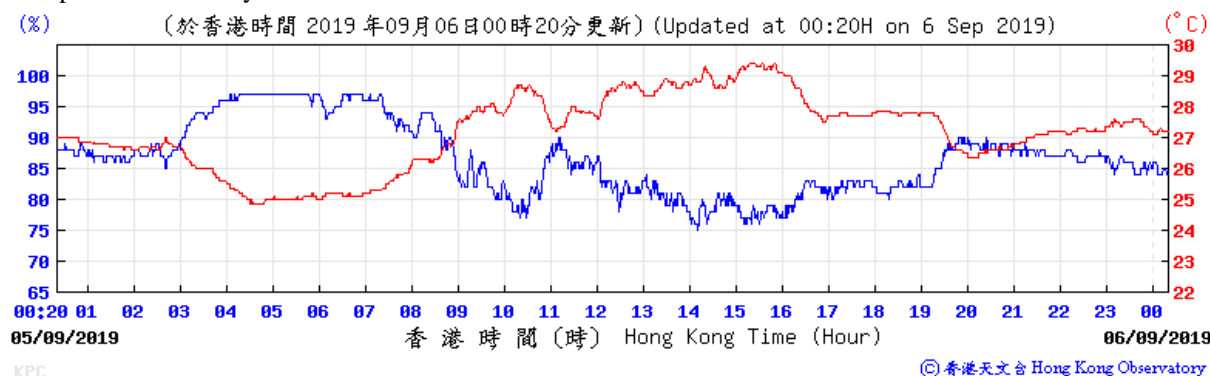
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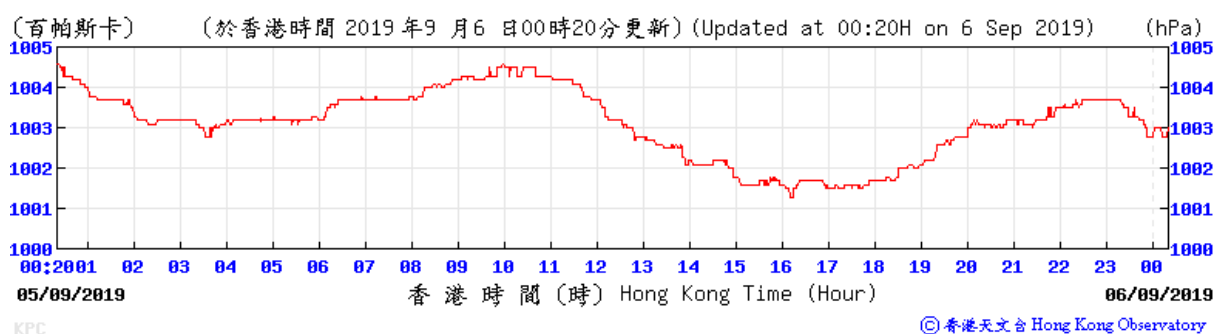
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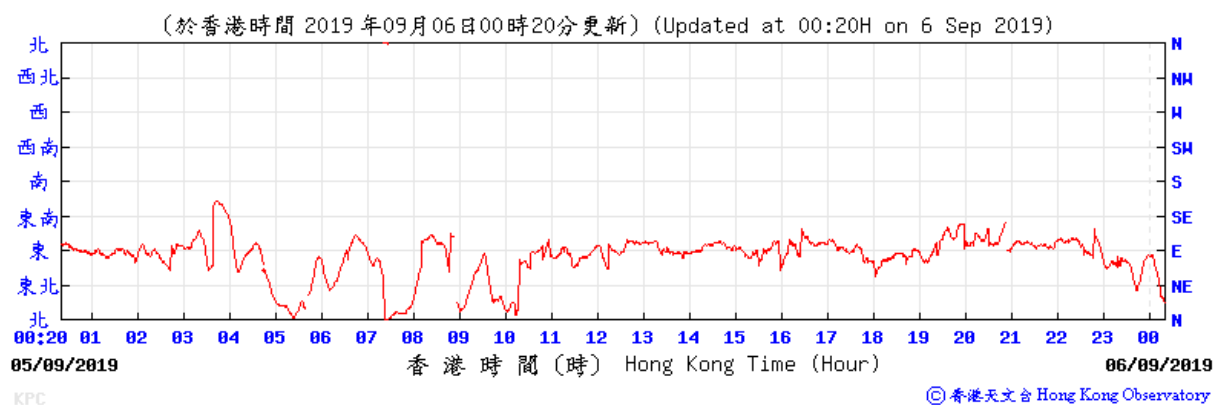
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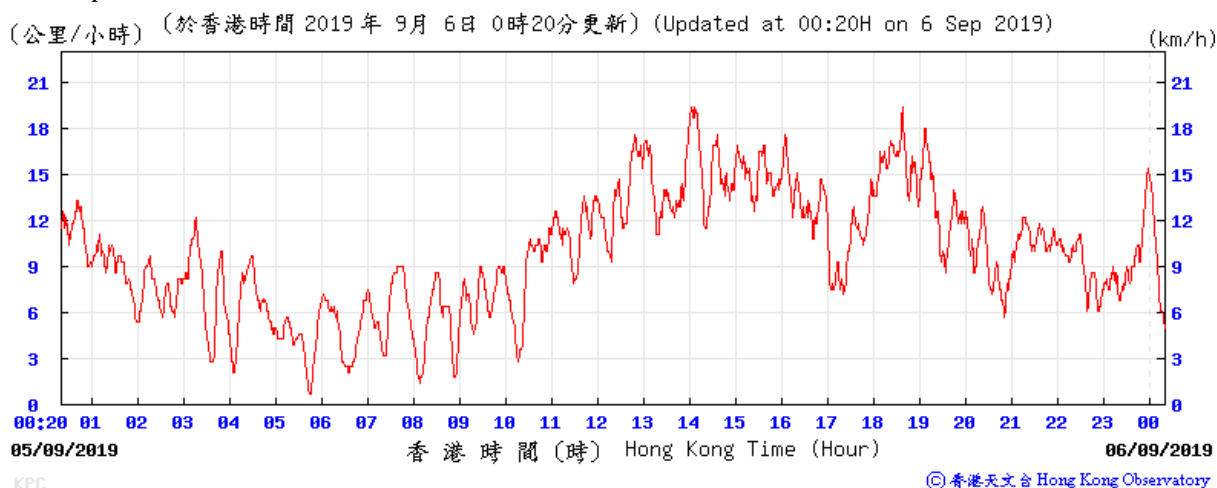
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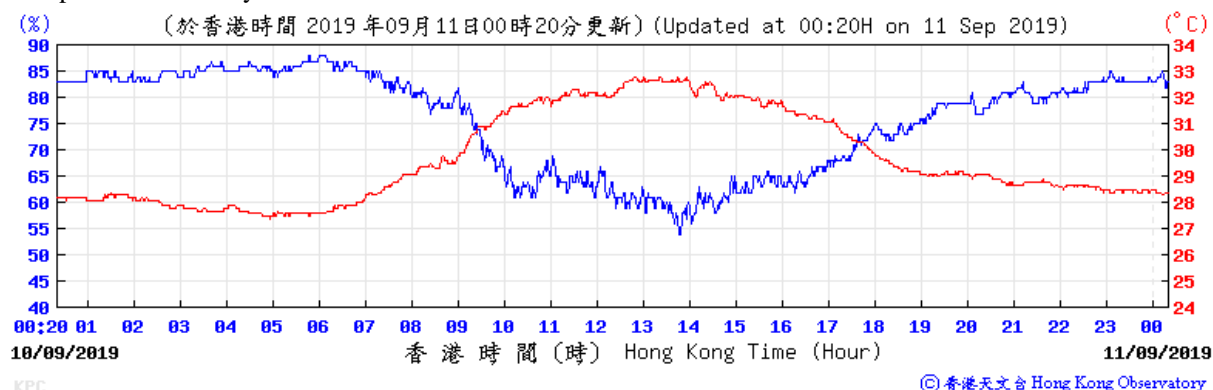
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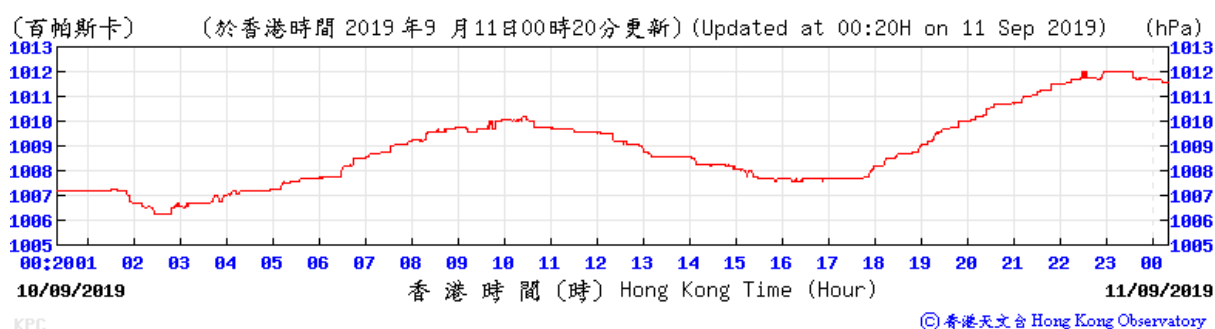
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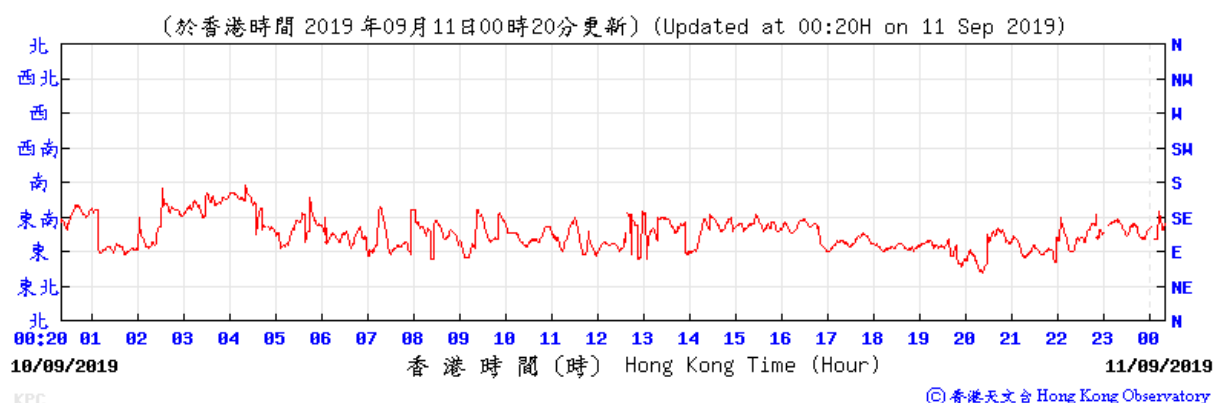
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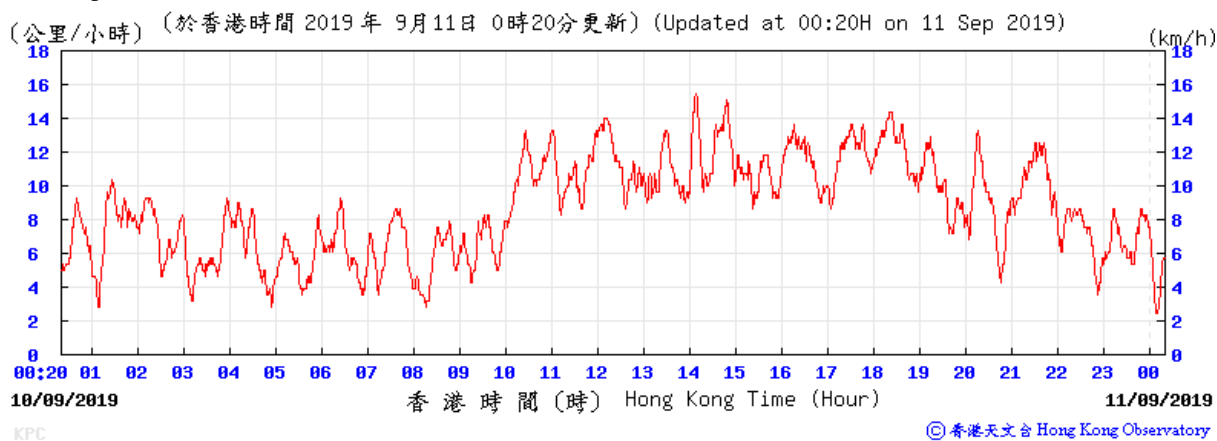
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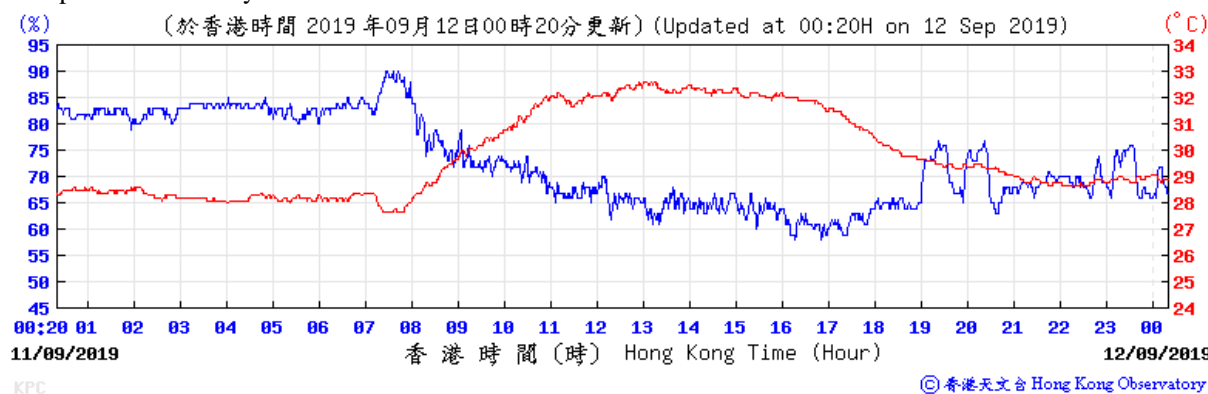
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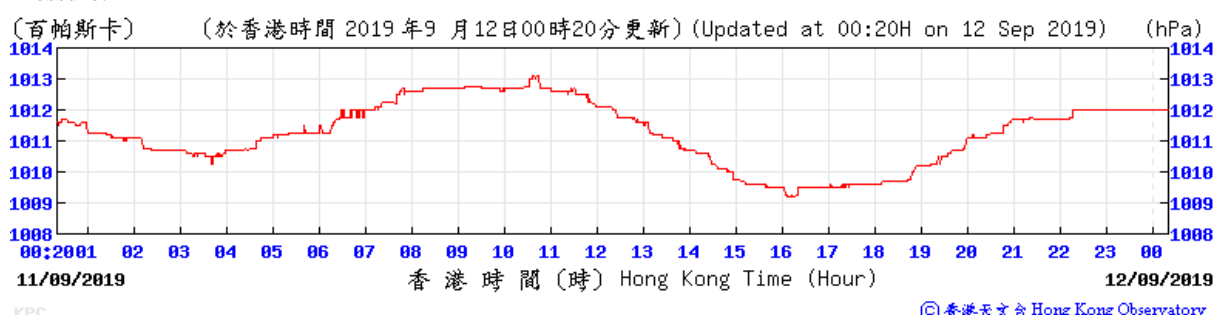
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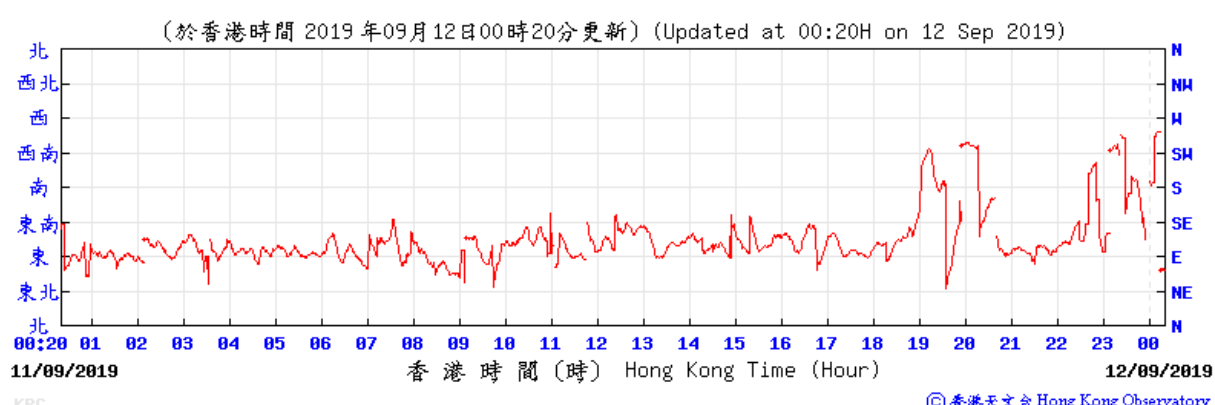
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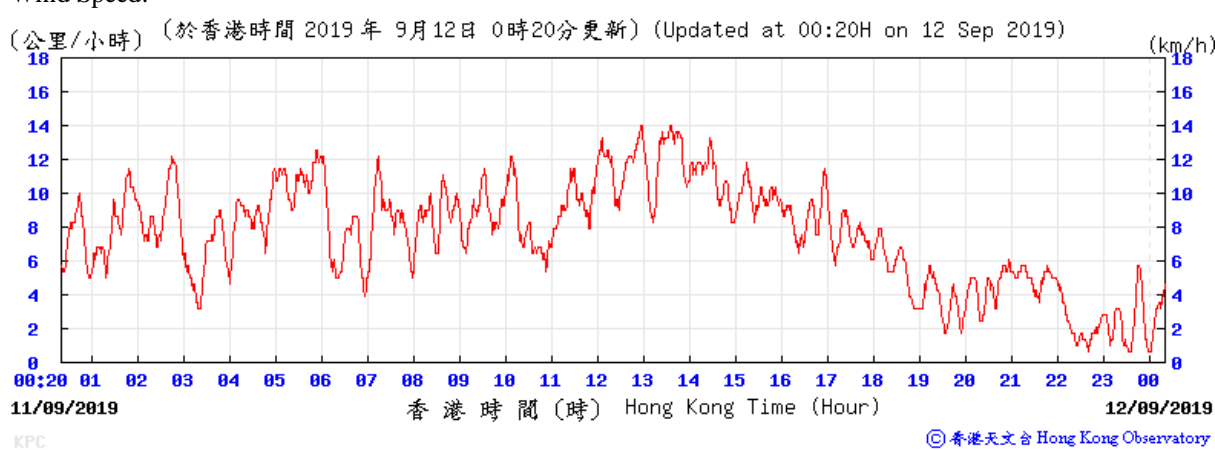
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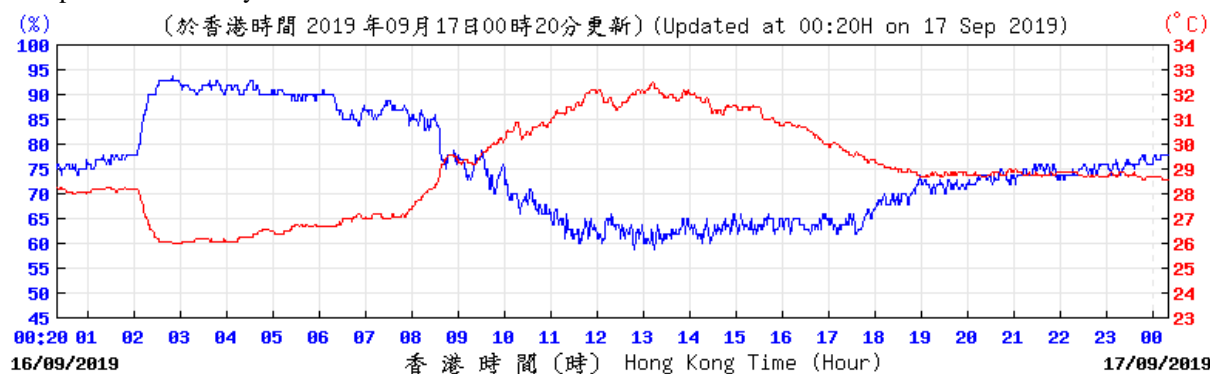
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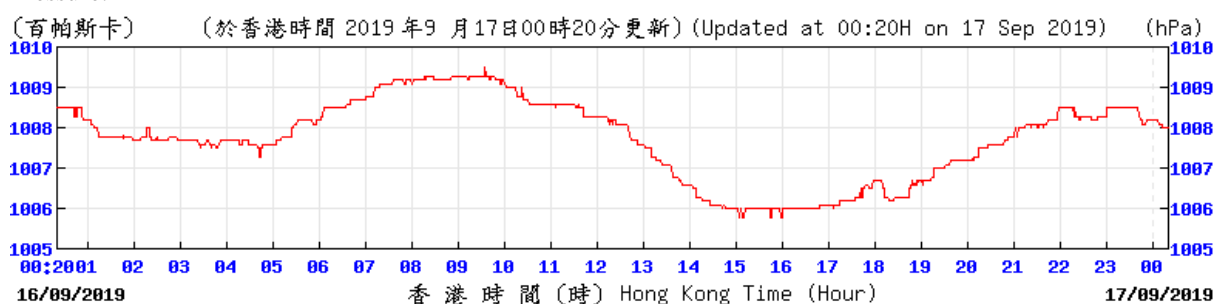
Temperature/Humidity:



KPC

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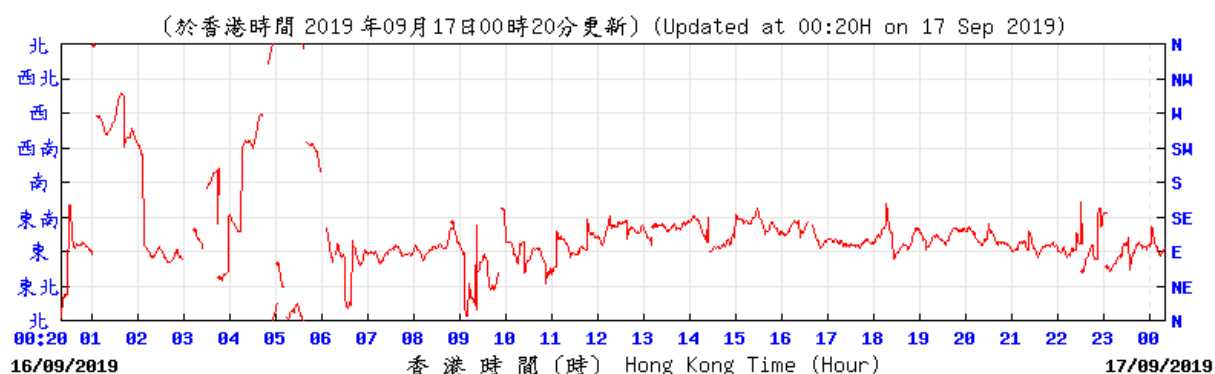
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KPC

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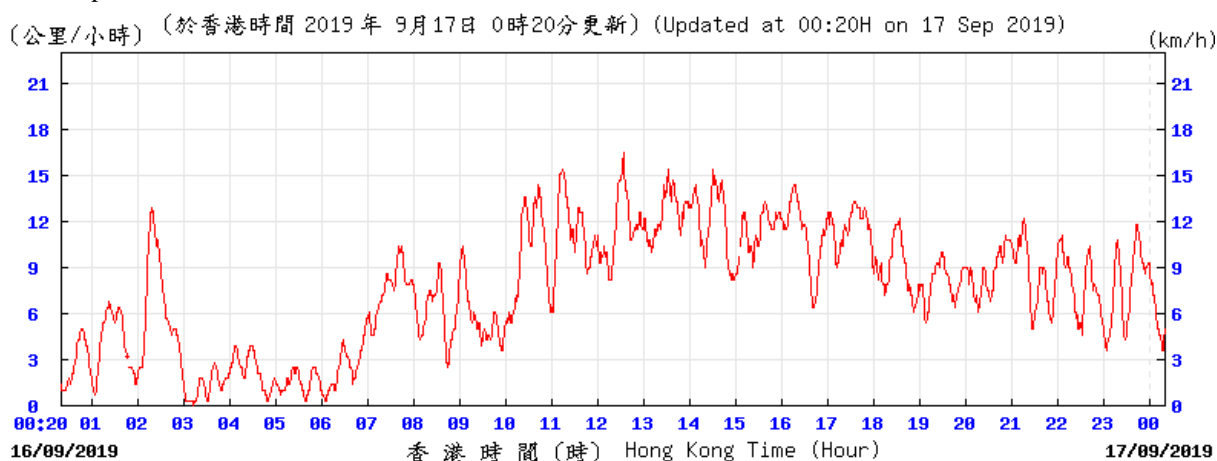
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KPC

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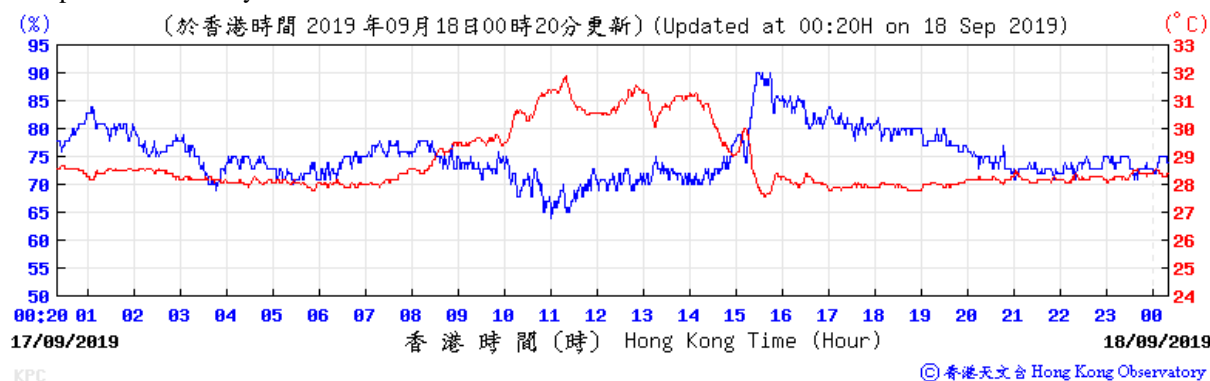
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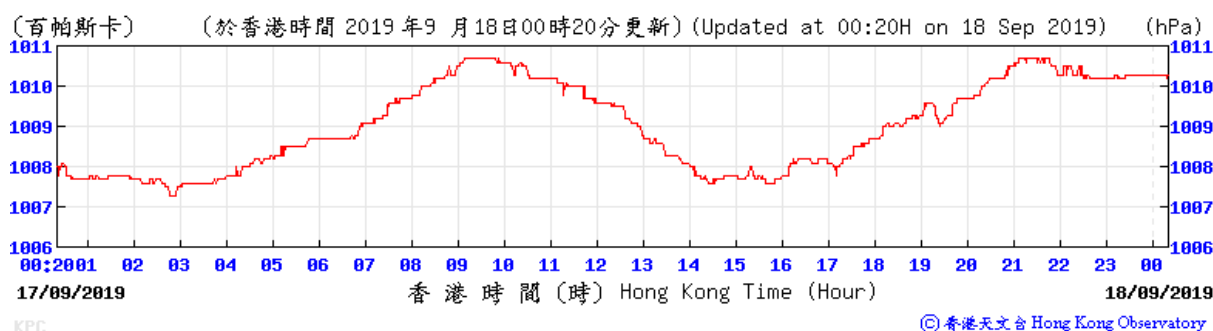
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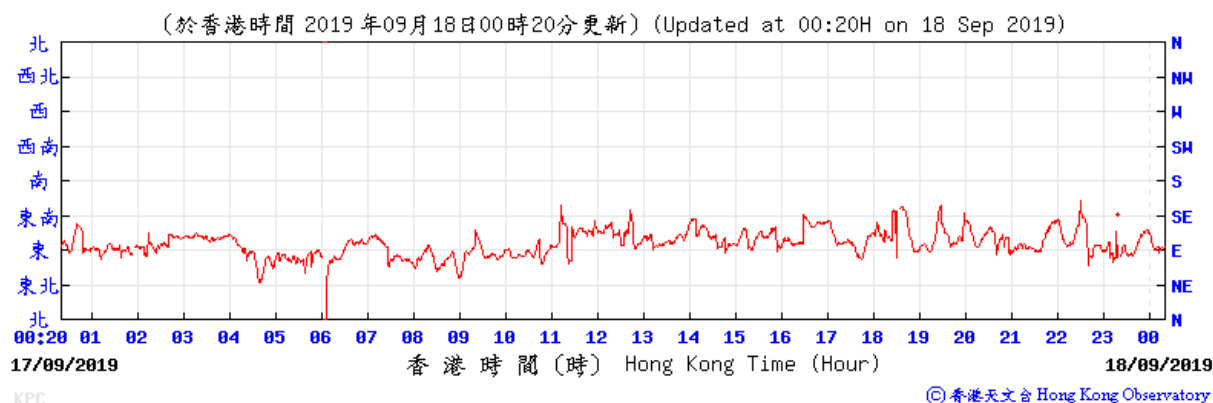
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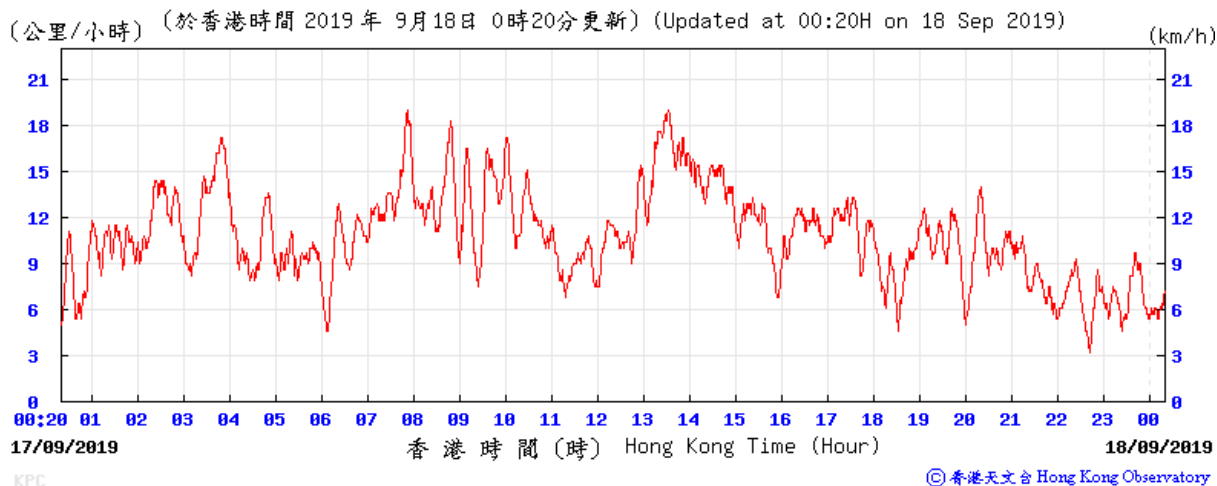
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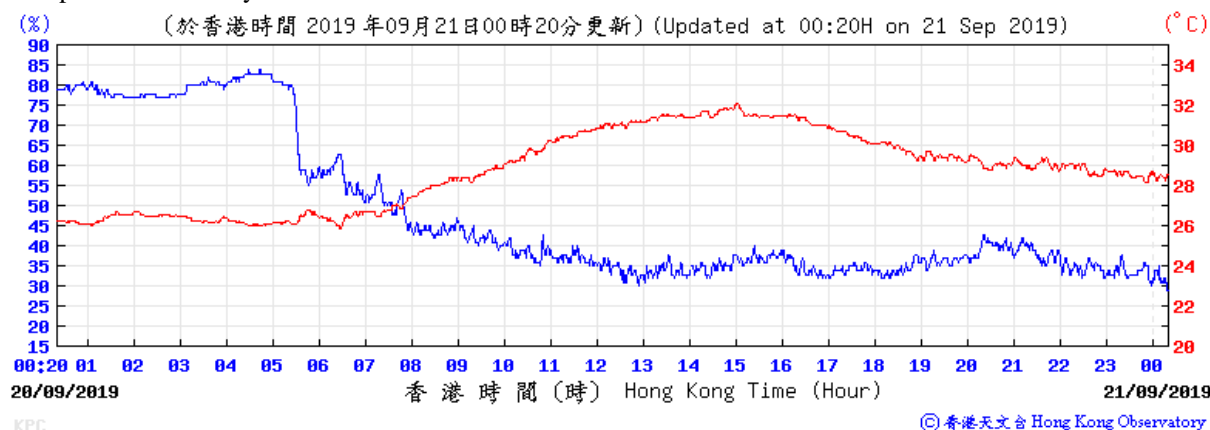
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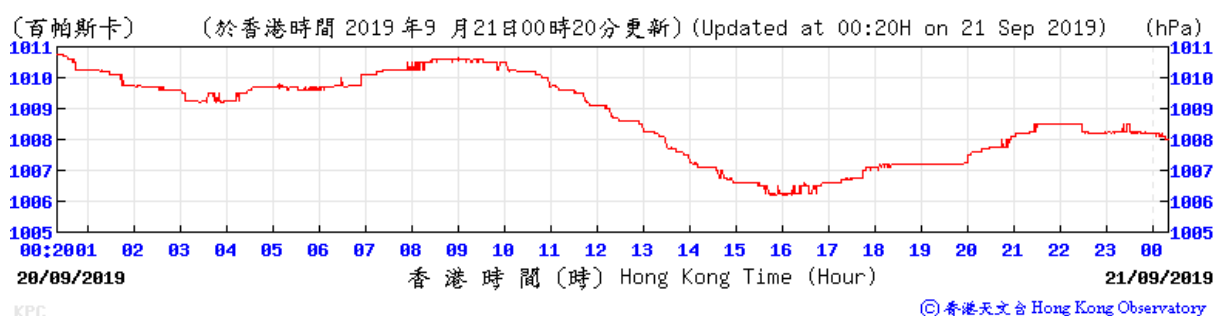
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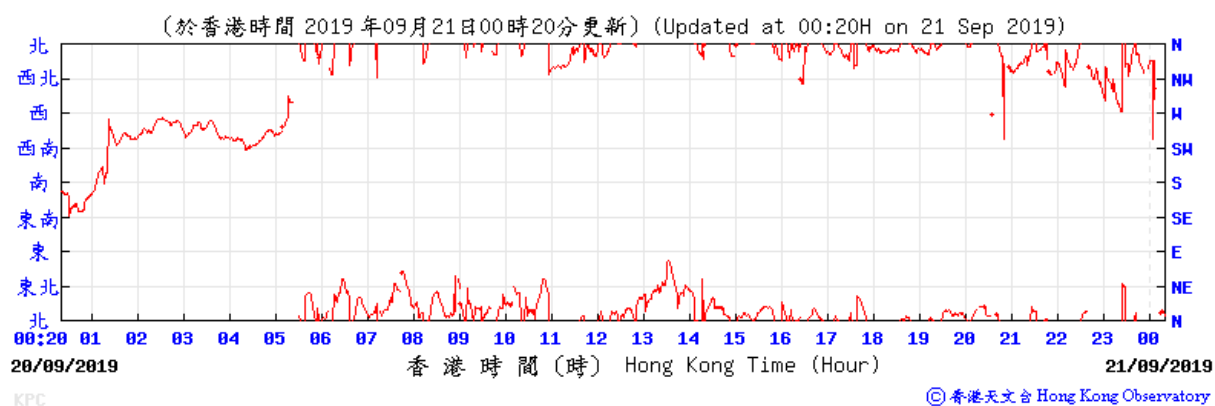
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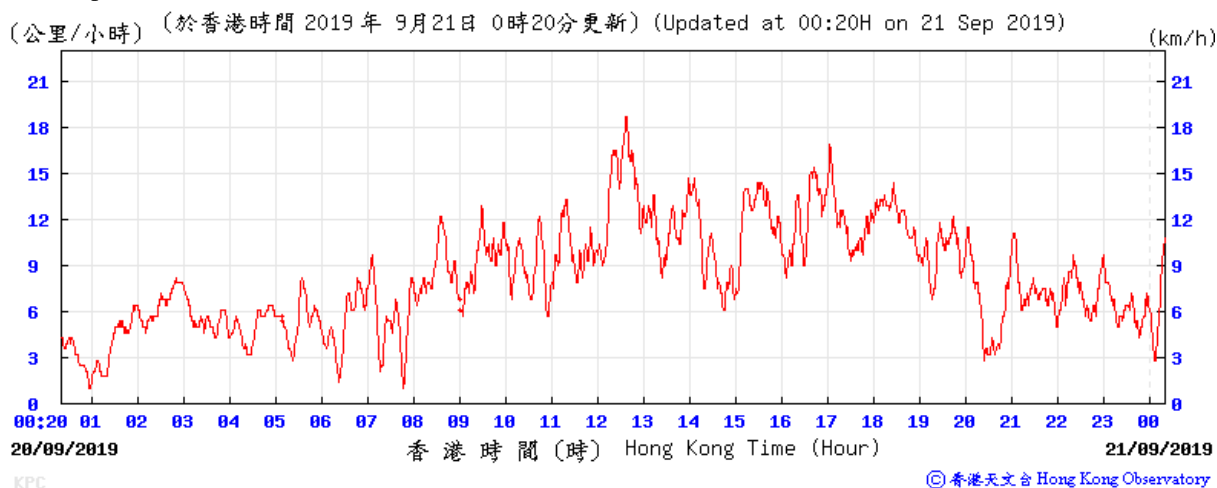
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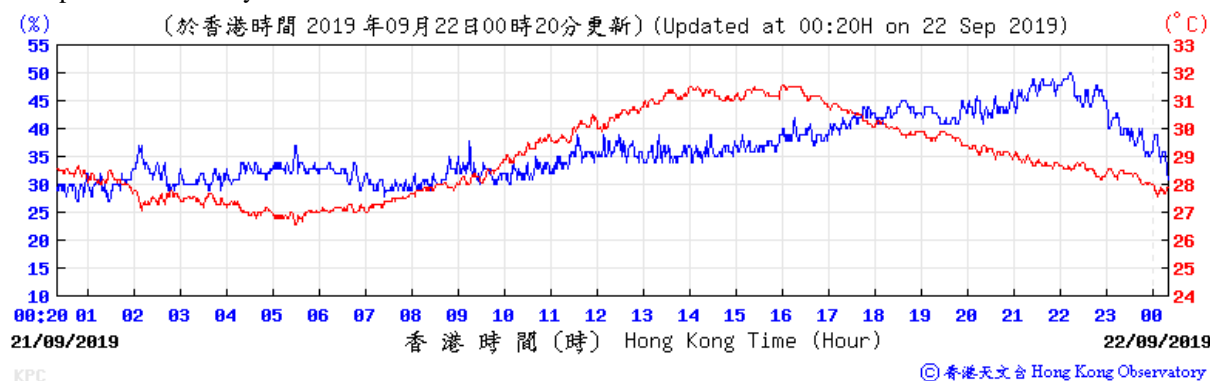
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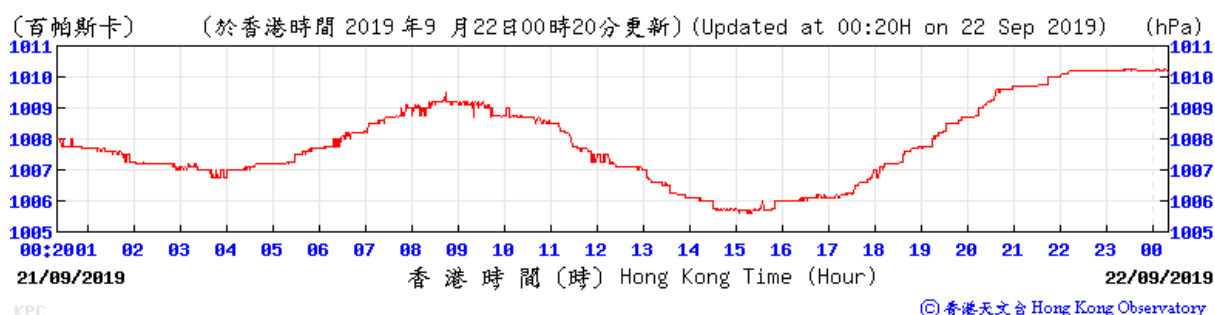
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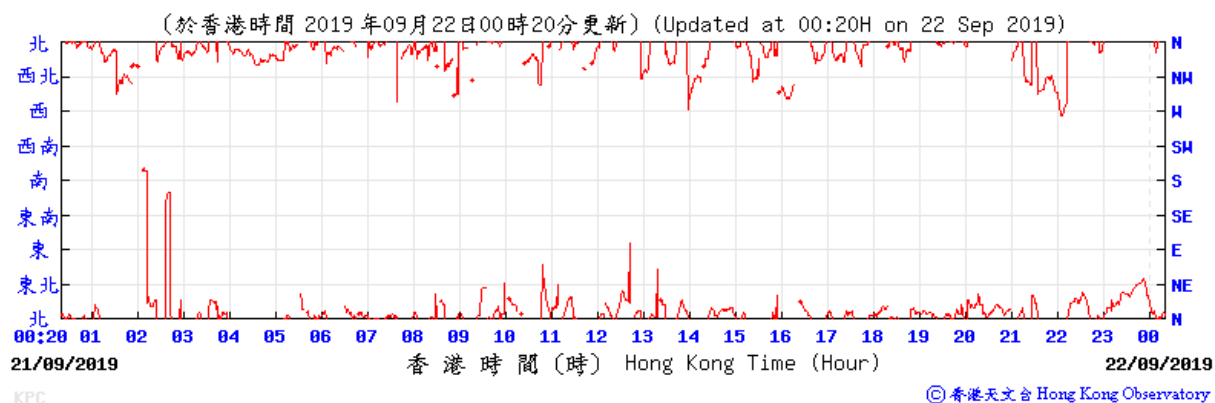
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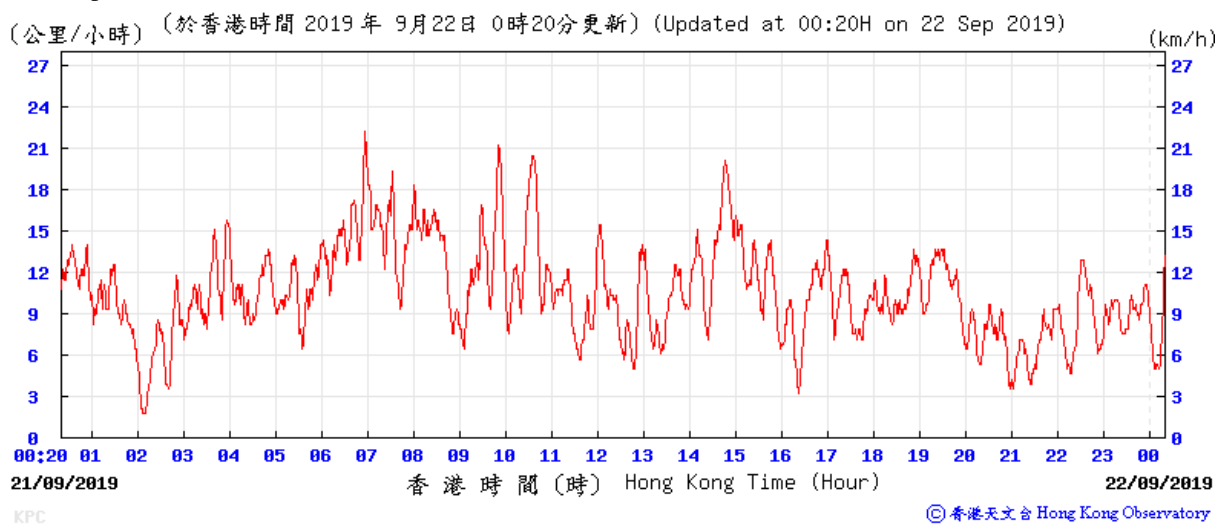
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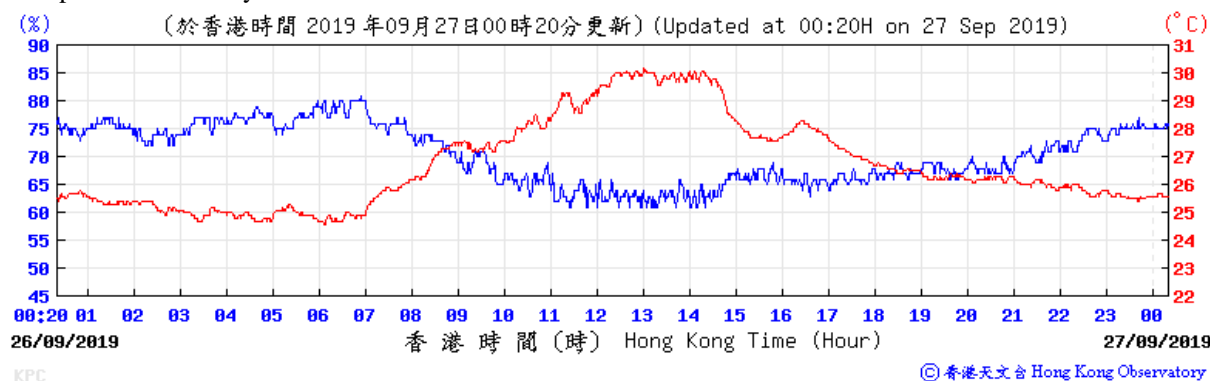
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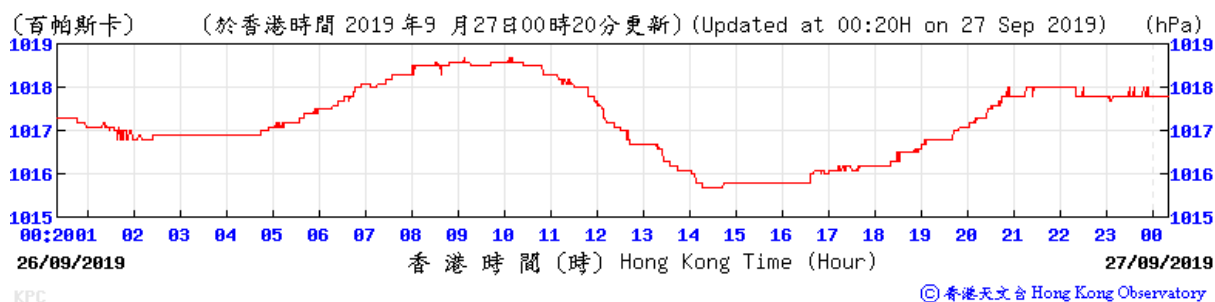
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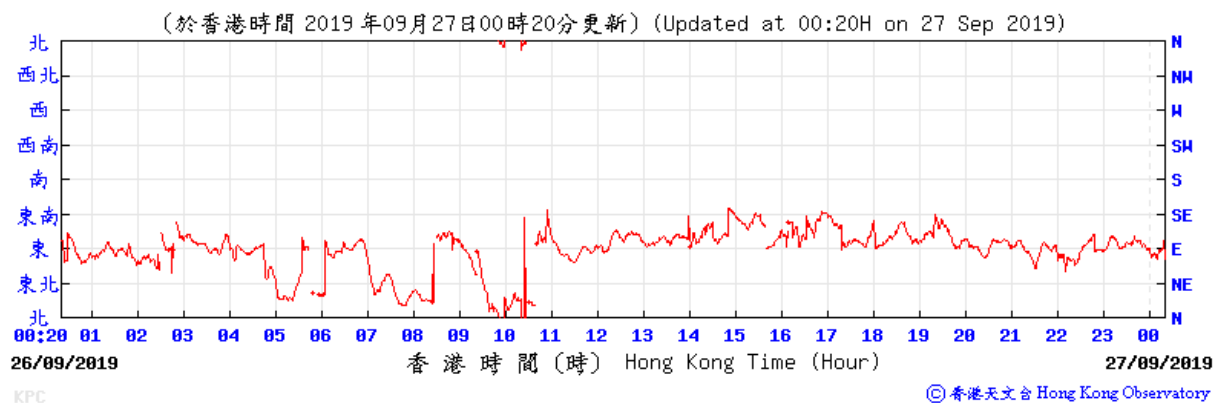
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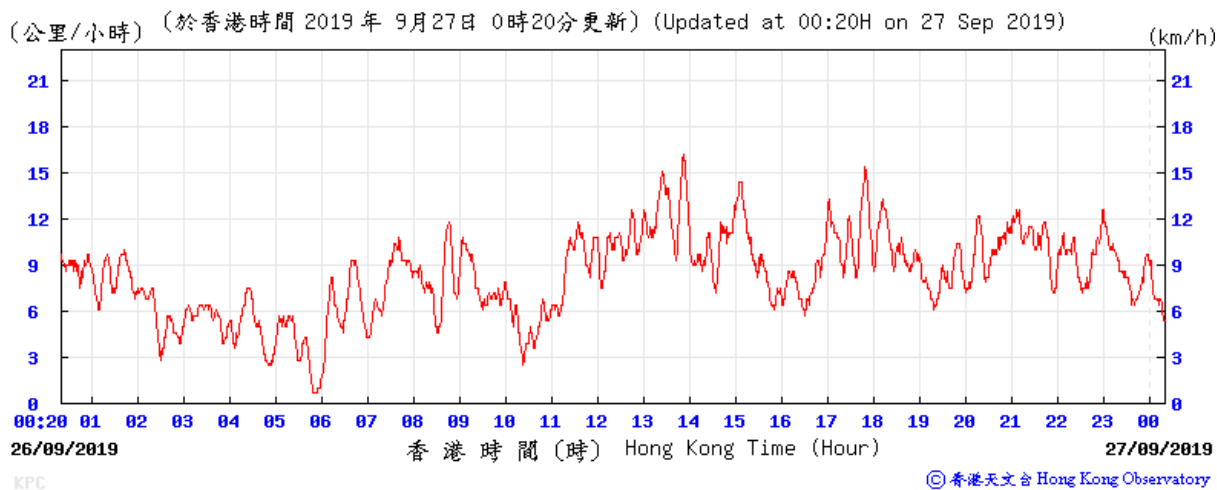
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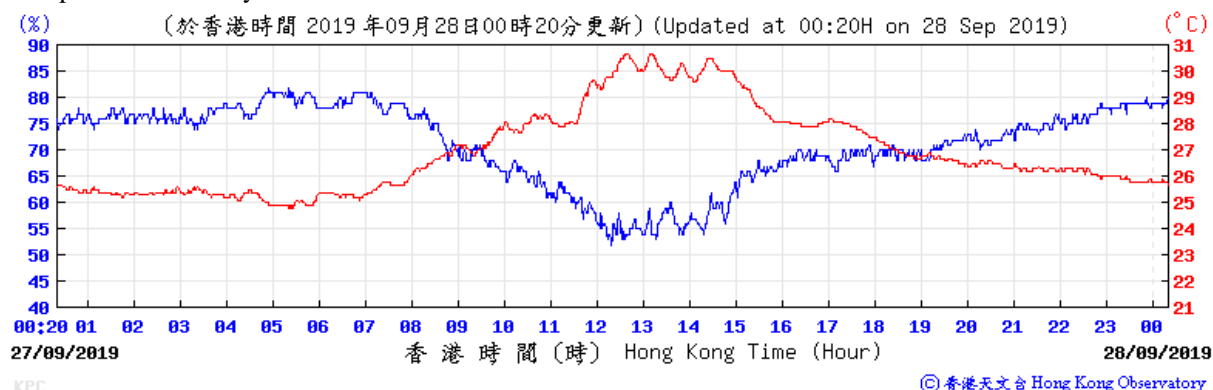
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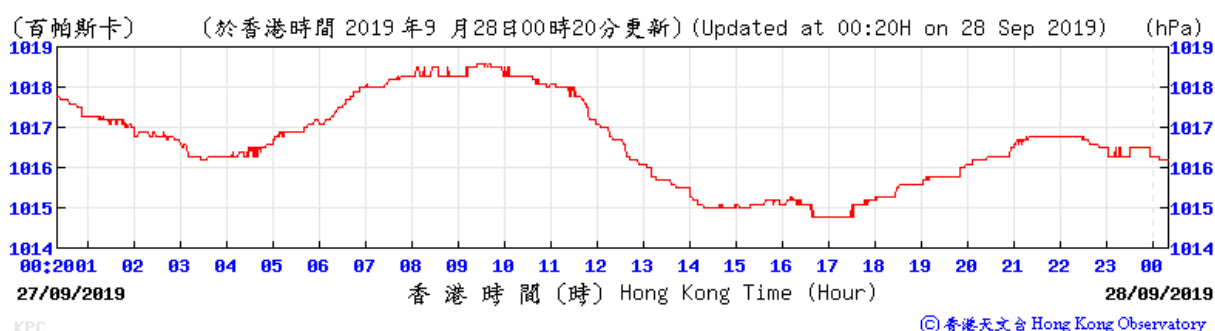
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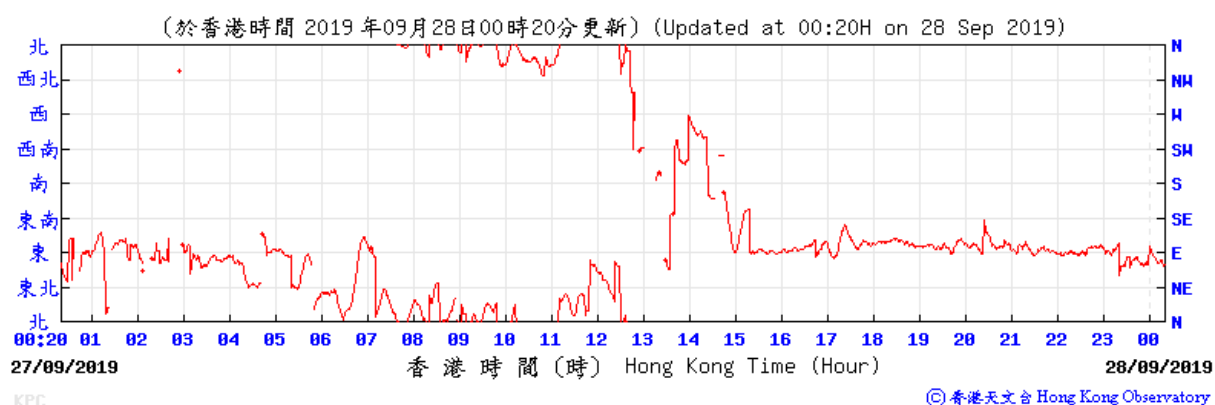
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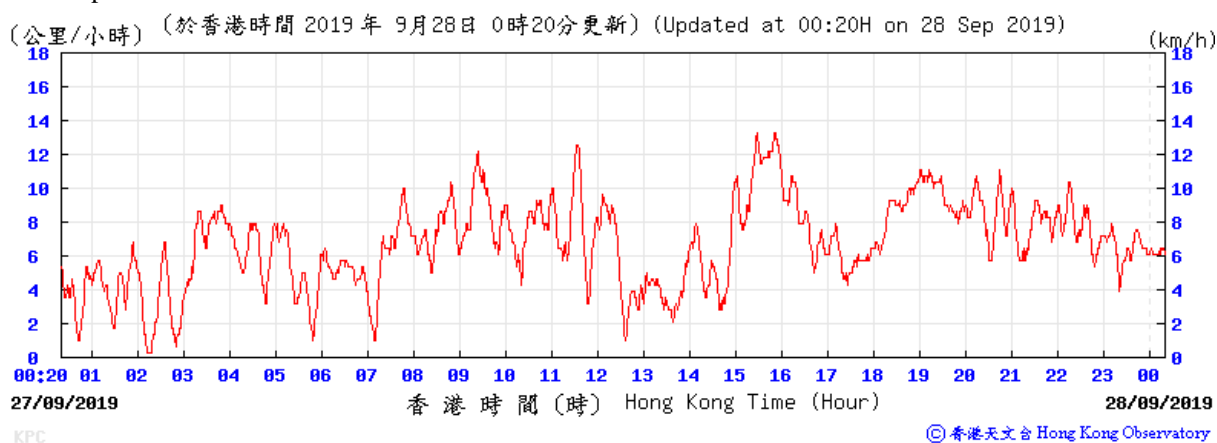
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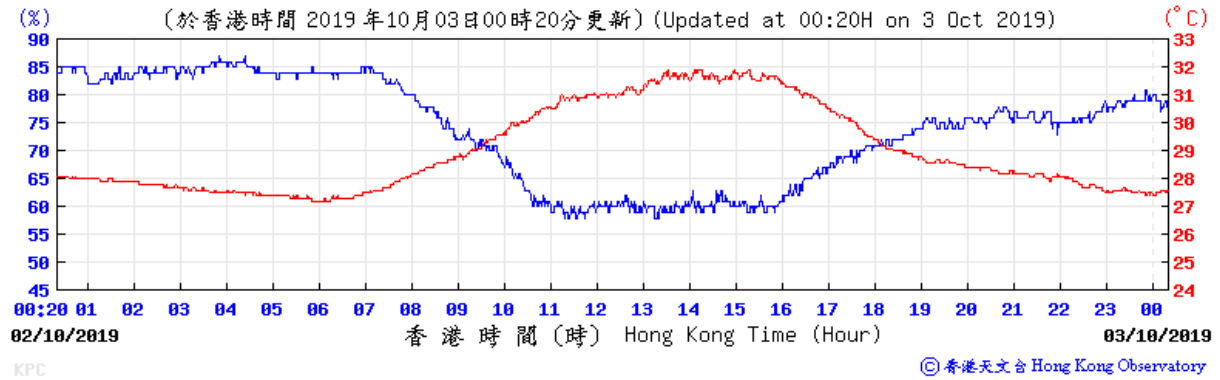
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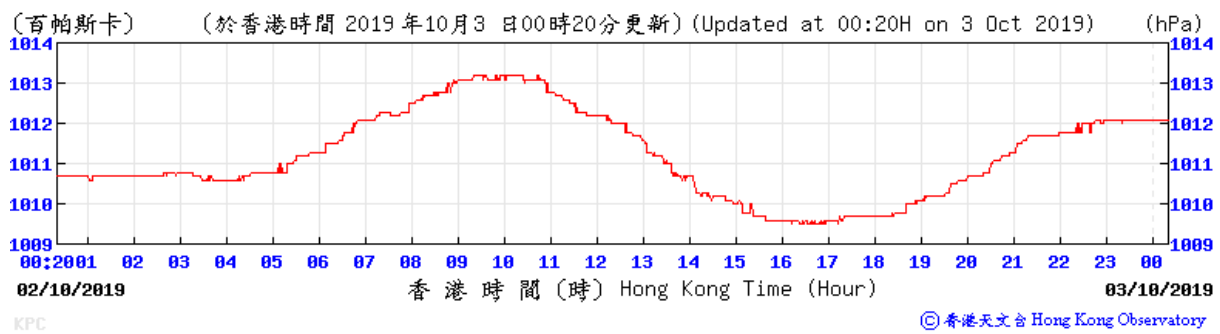
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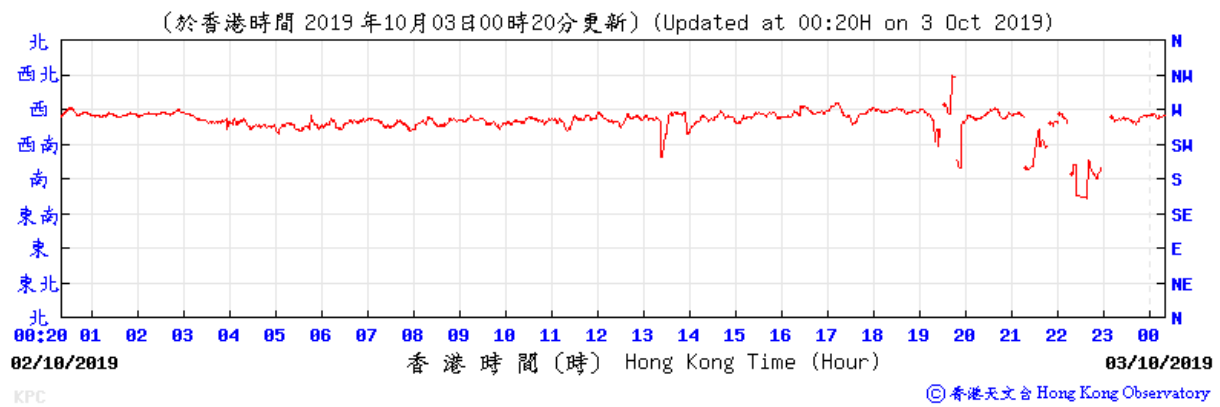
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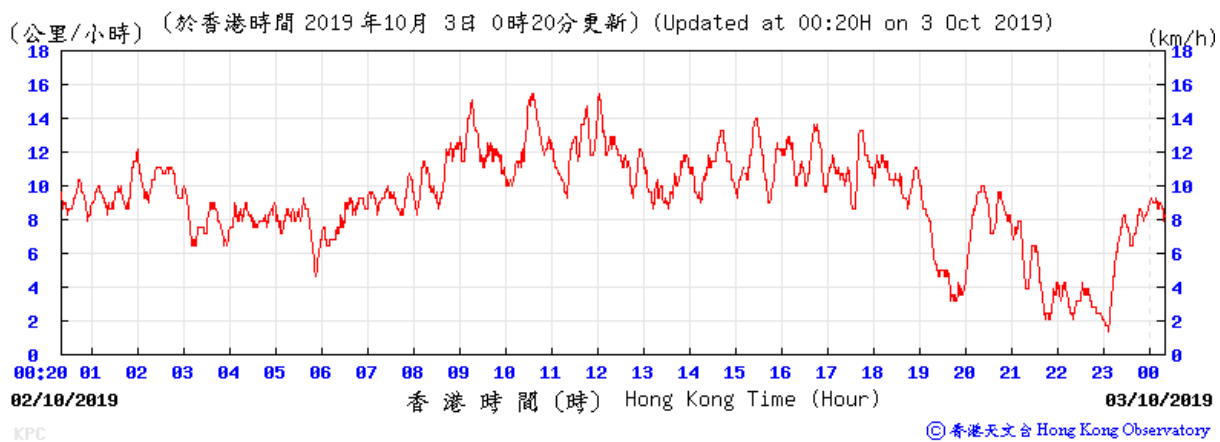
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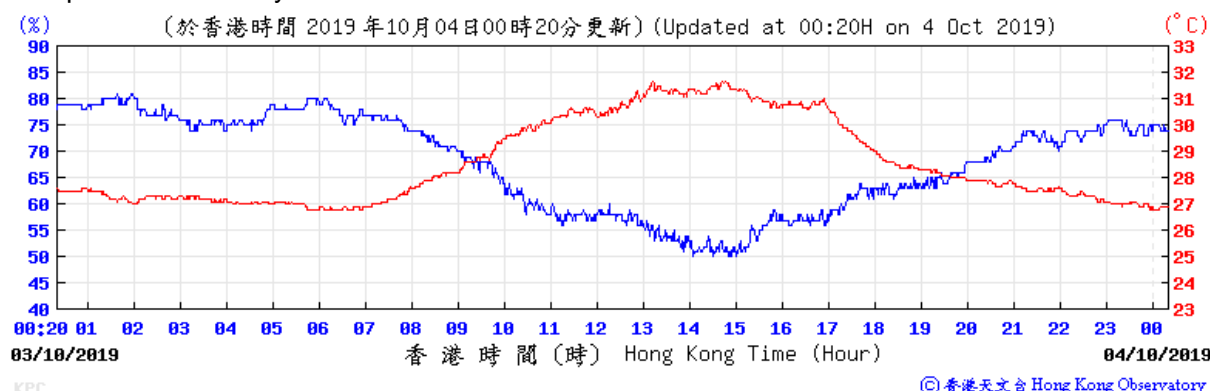
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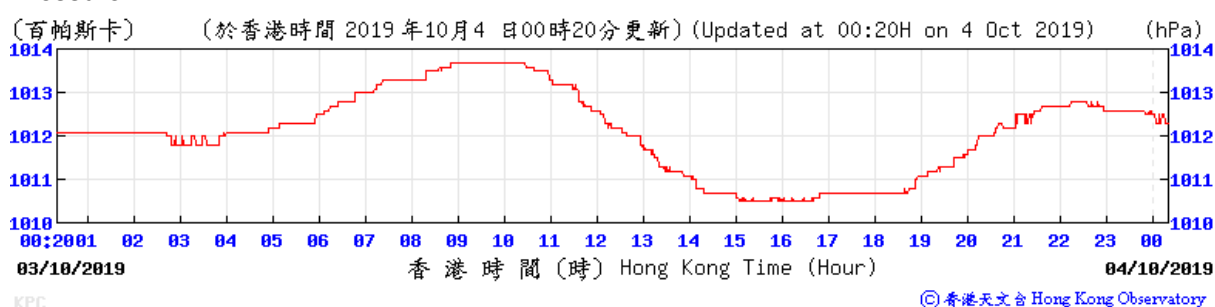
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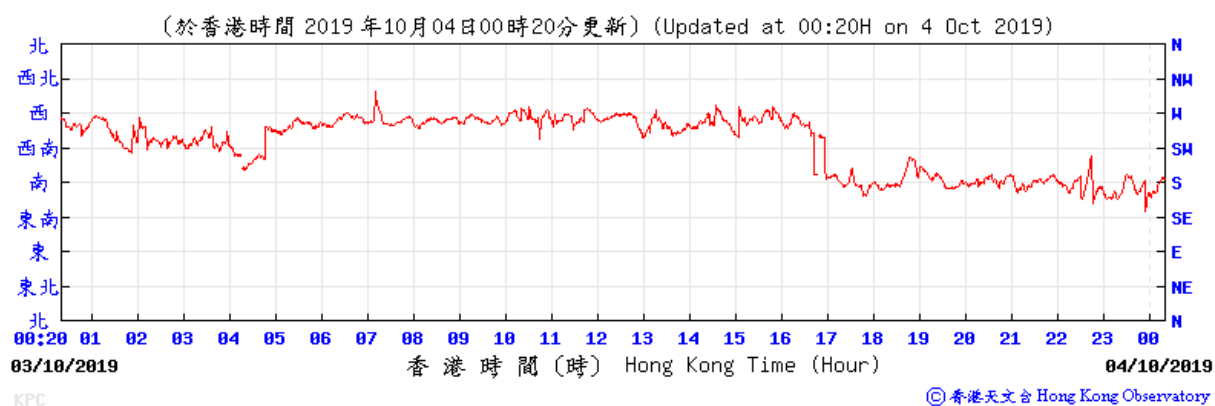
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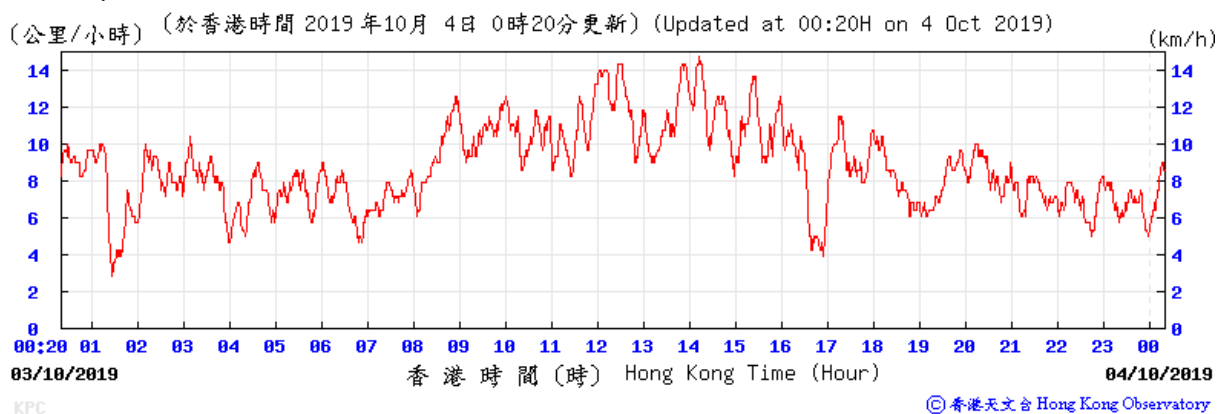
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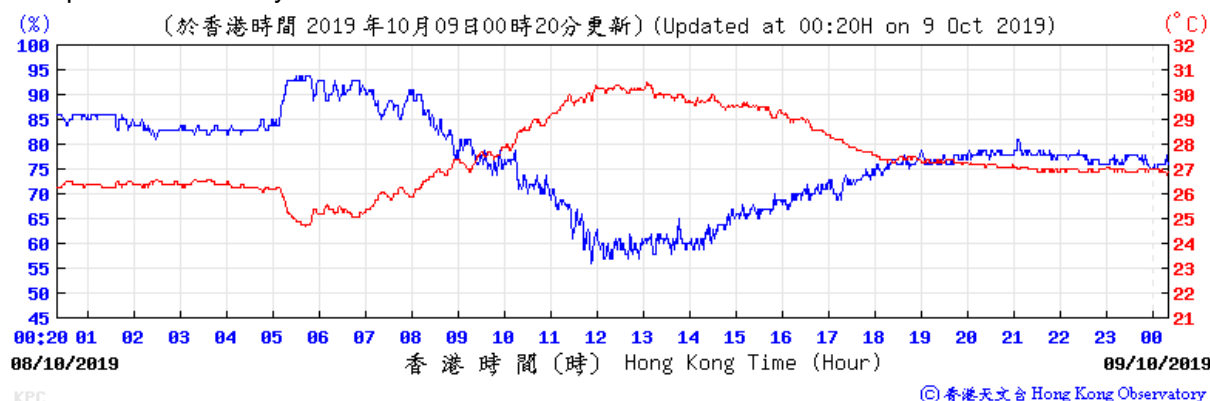
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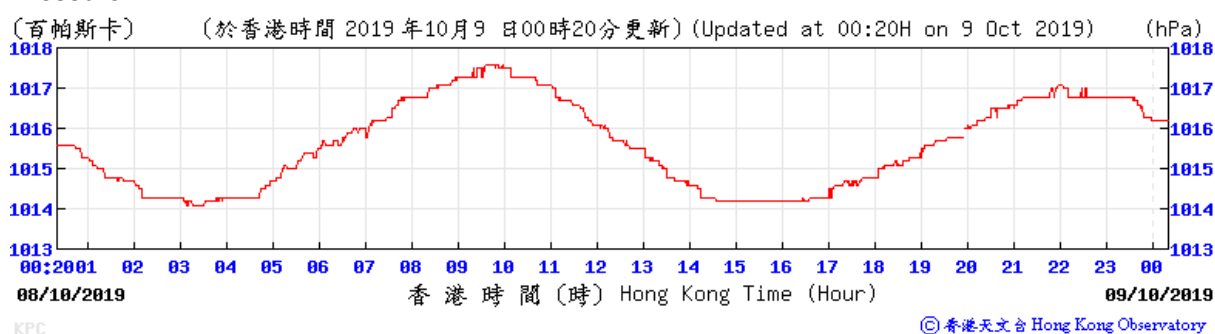
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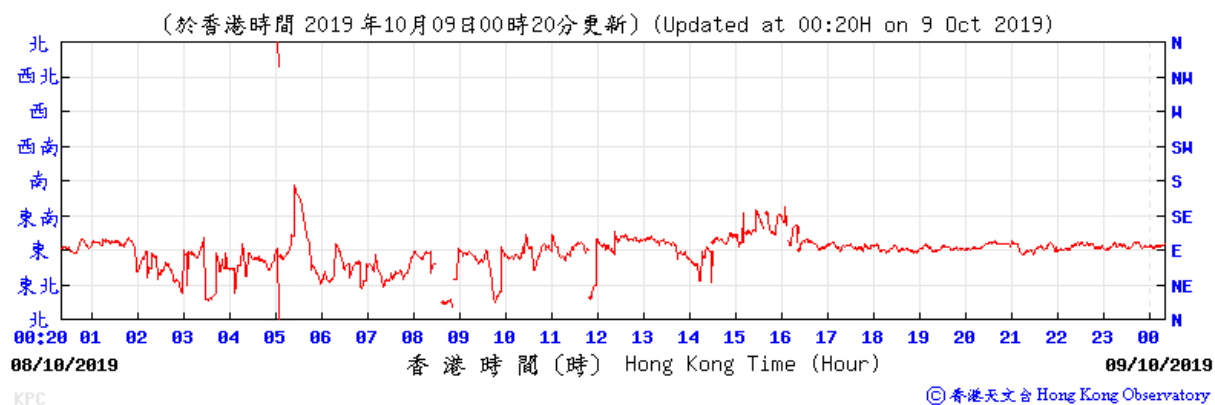
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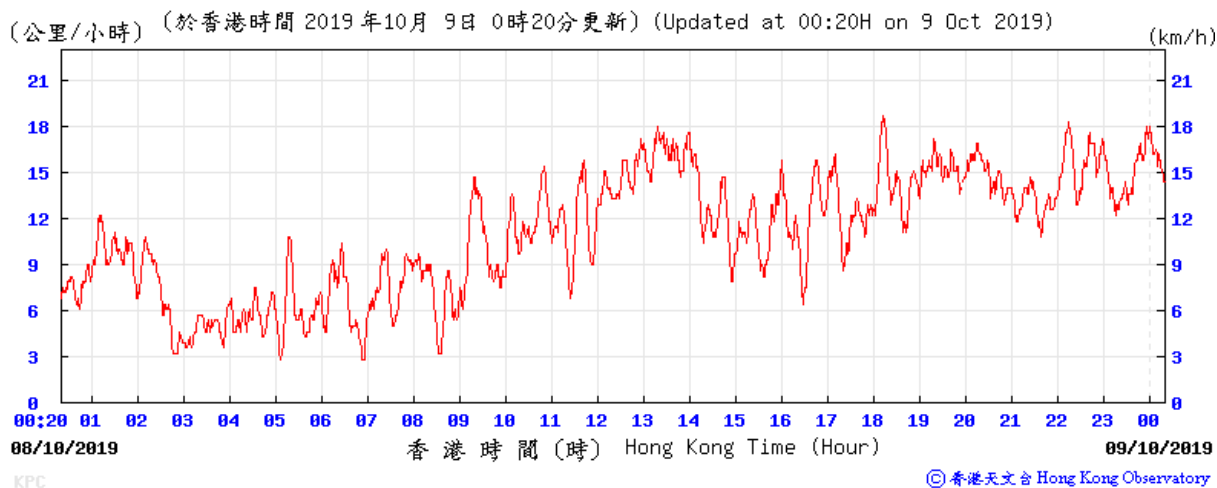
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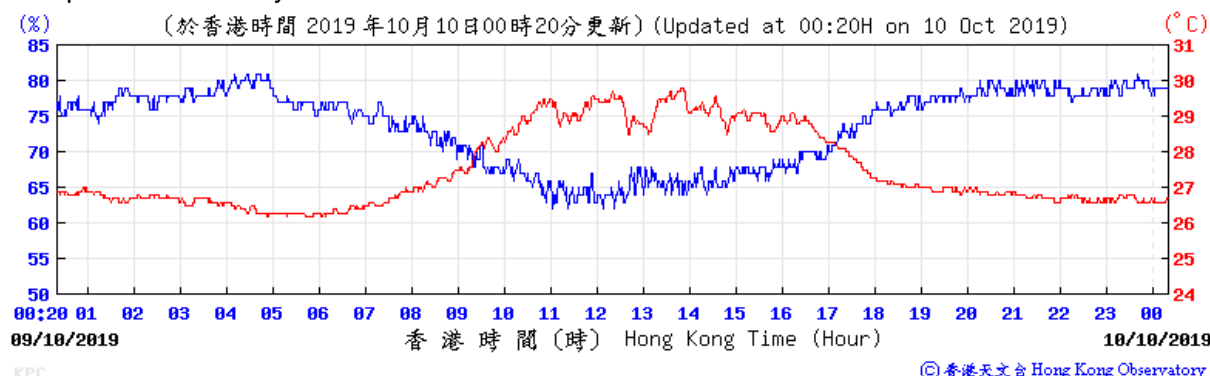
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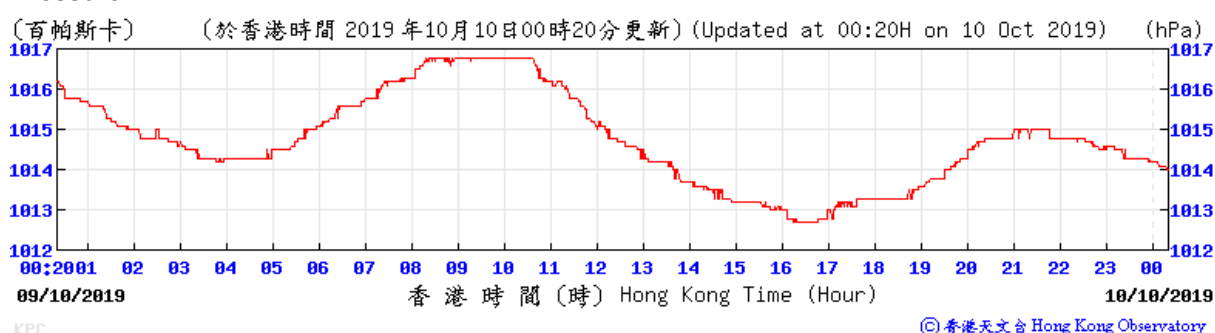
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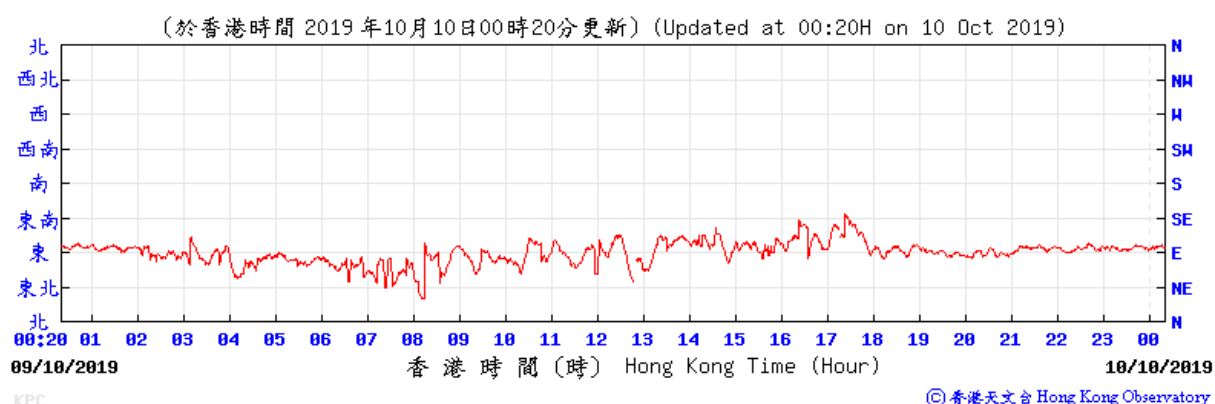
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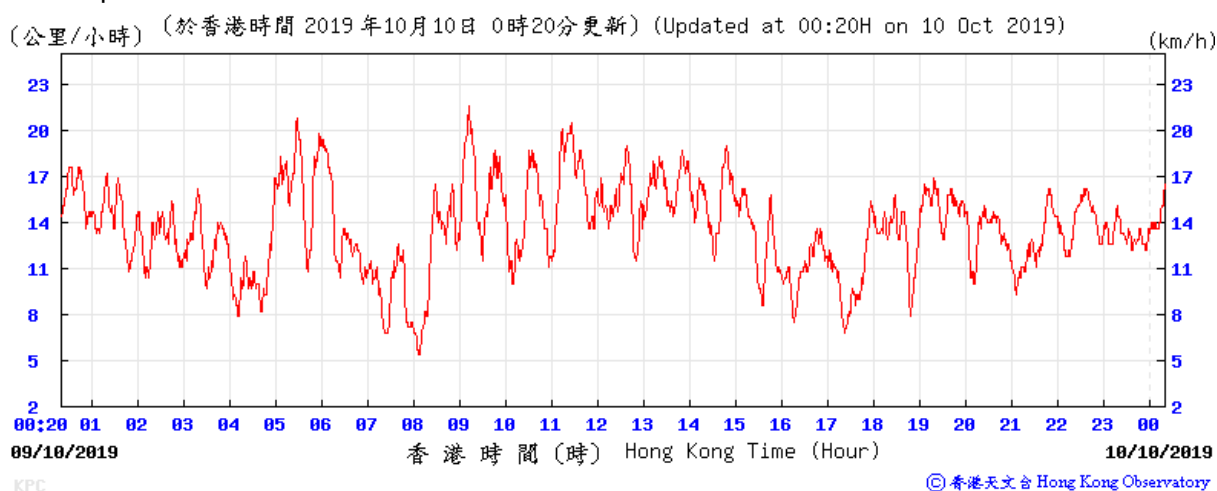
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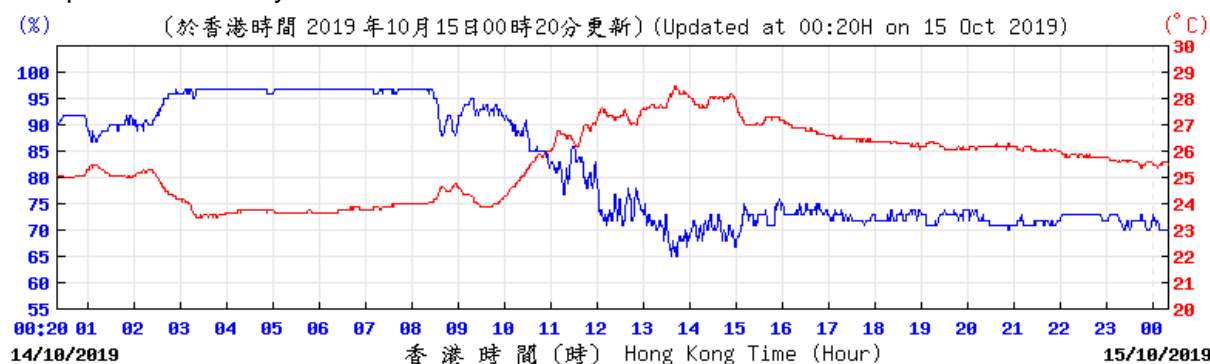
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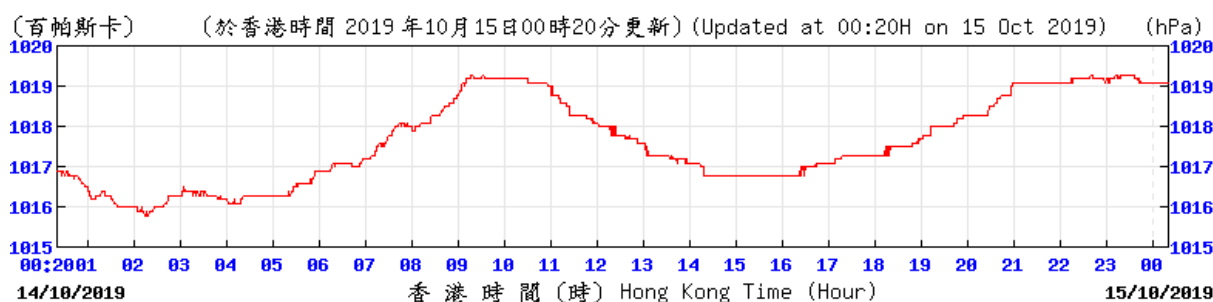


Temperature/Humidity:



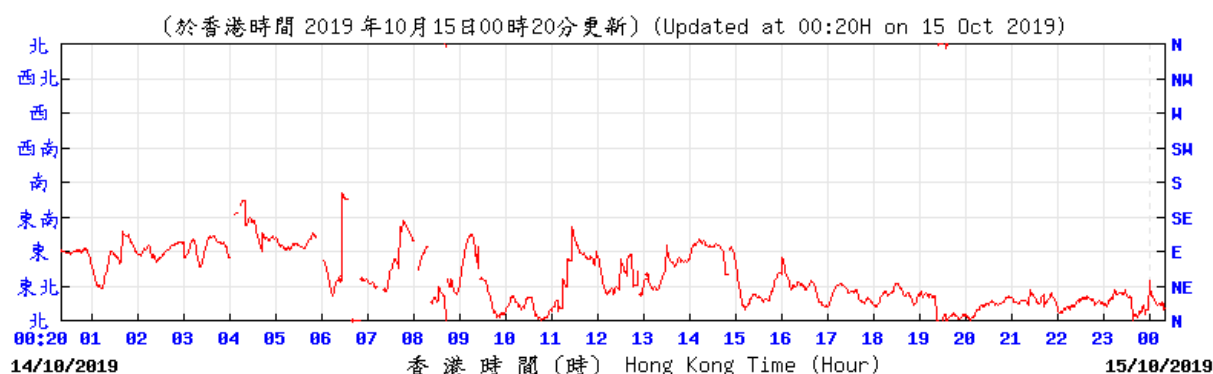
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Pressure:



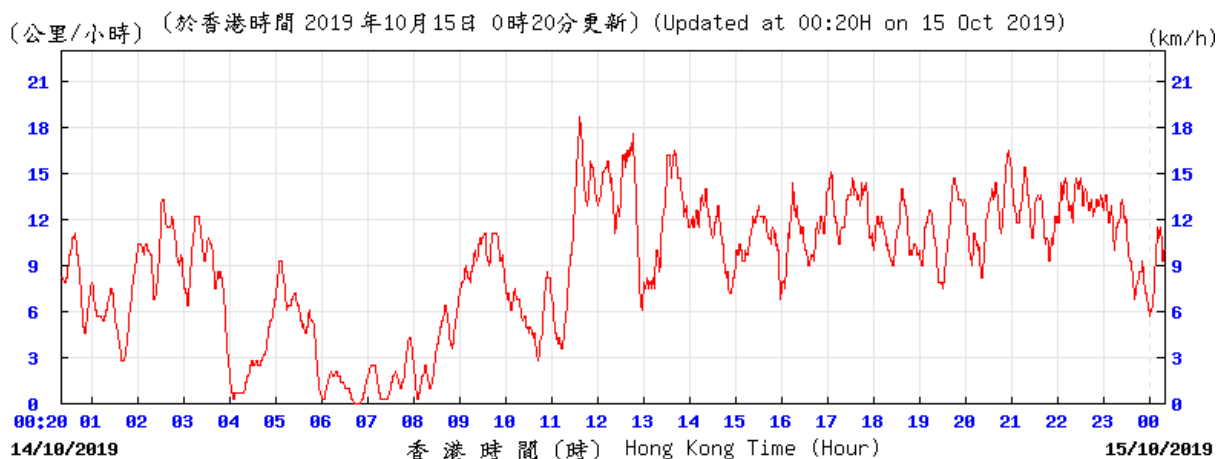
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Wind Direction:



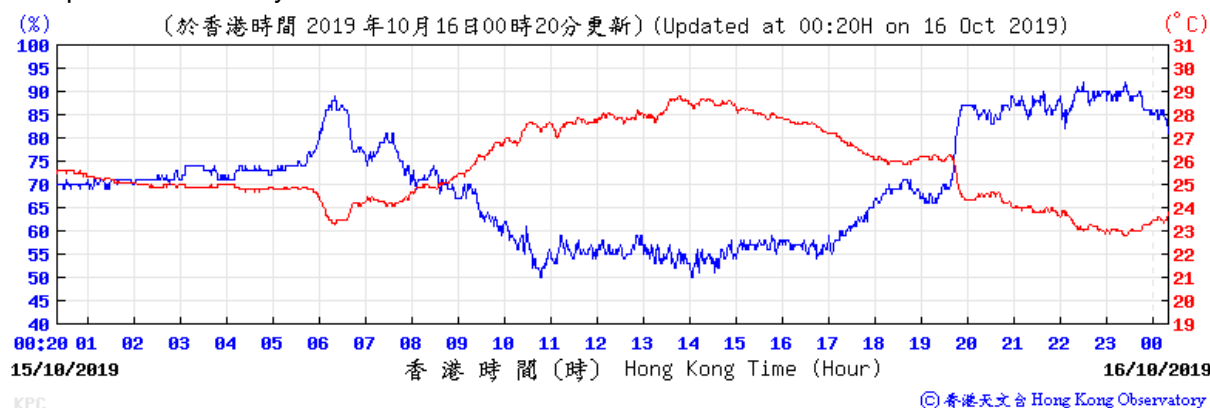
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Wind Speed:

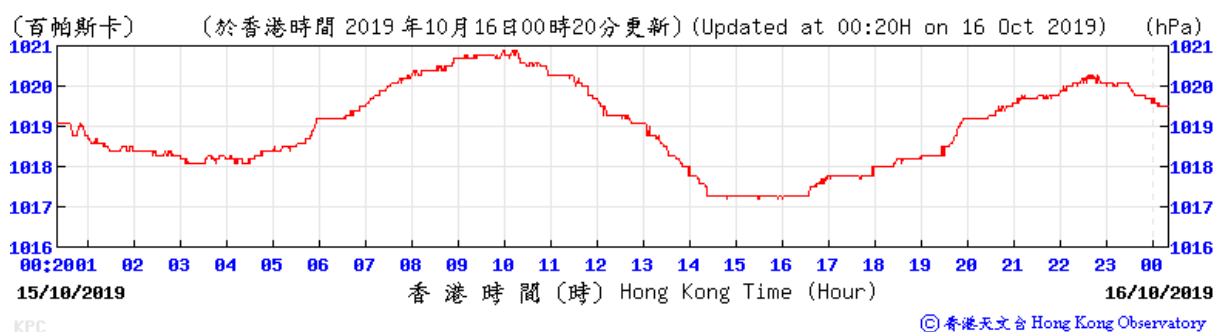


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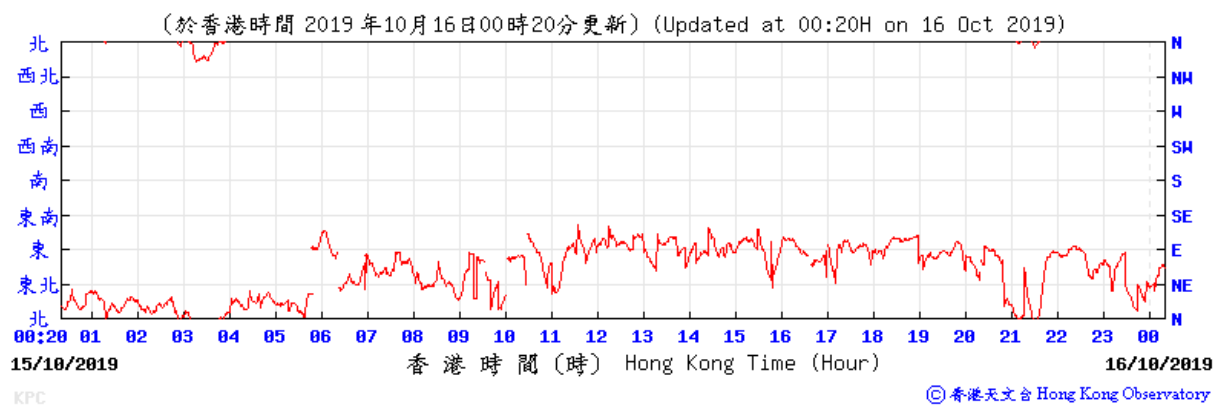
Temperature/Humidity:



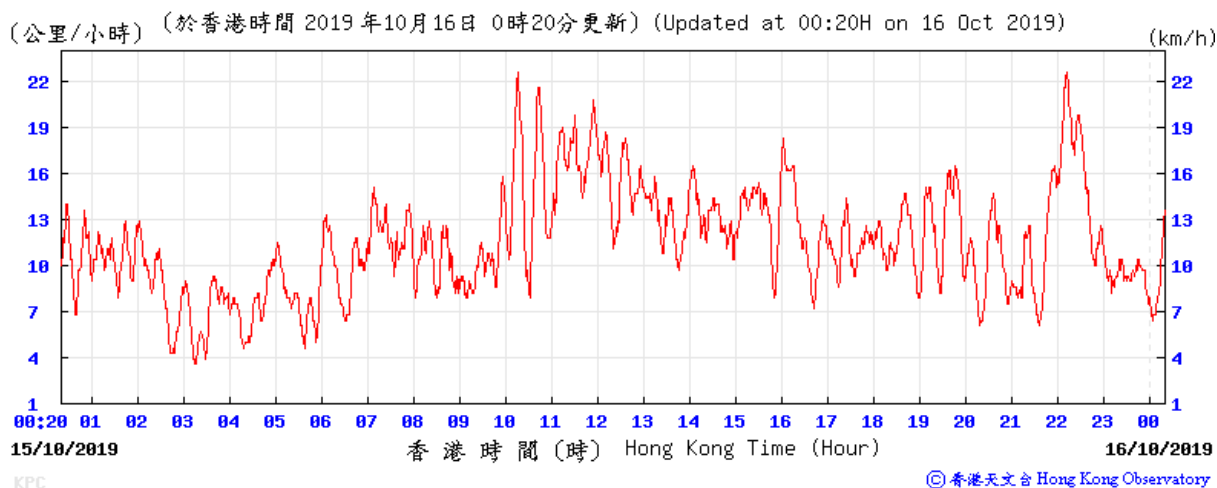
Pressure:



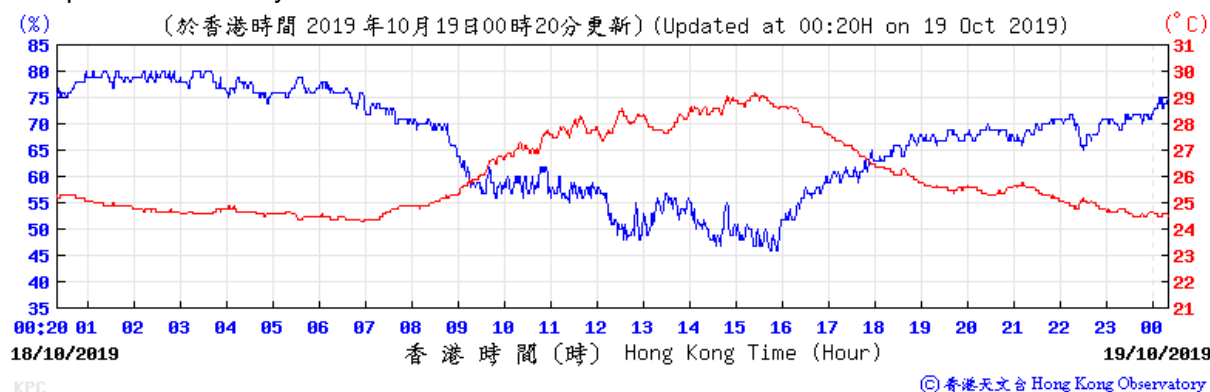
Wind Direction:



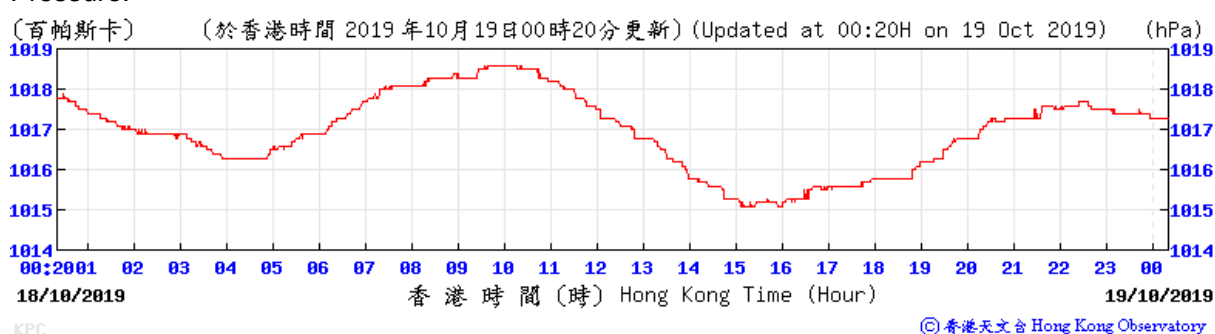
Wind Speed:



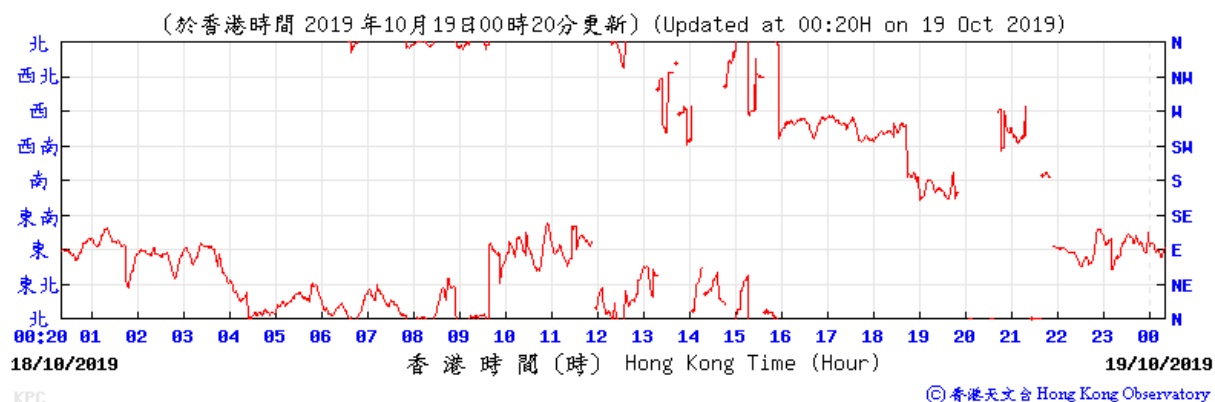
Temperature/Humidity:



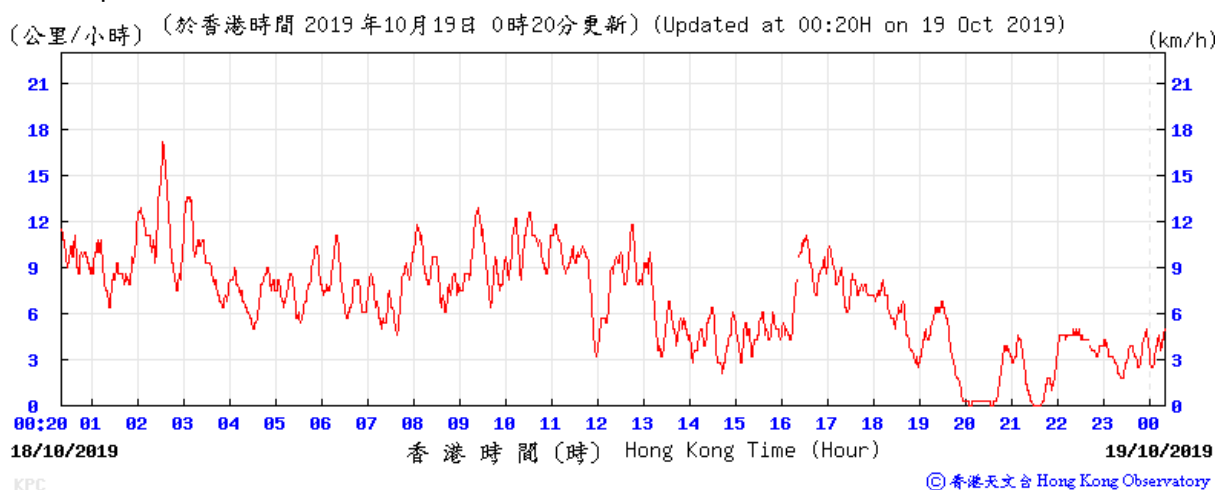
Pressure:



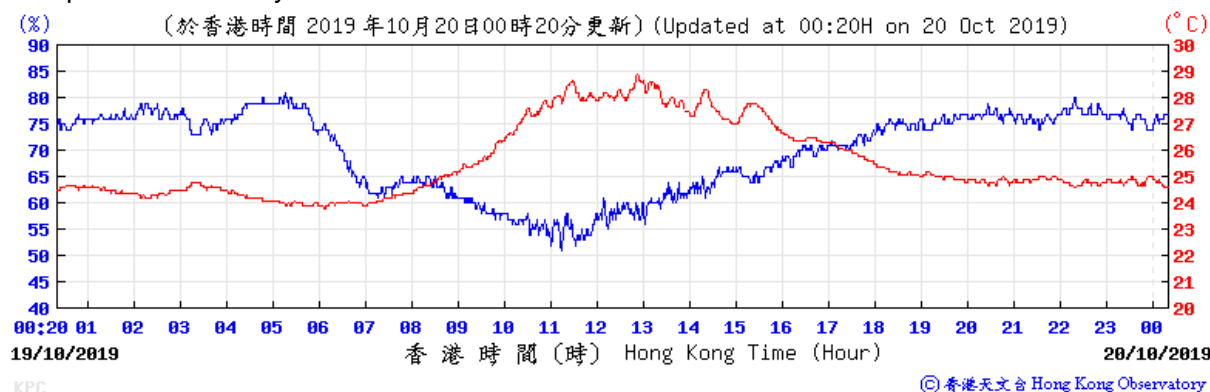
Wind Direction:



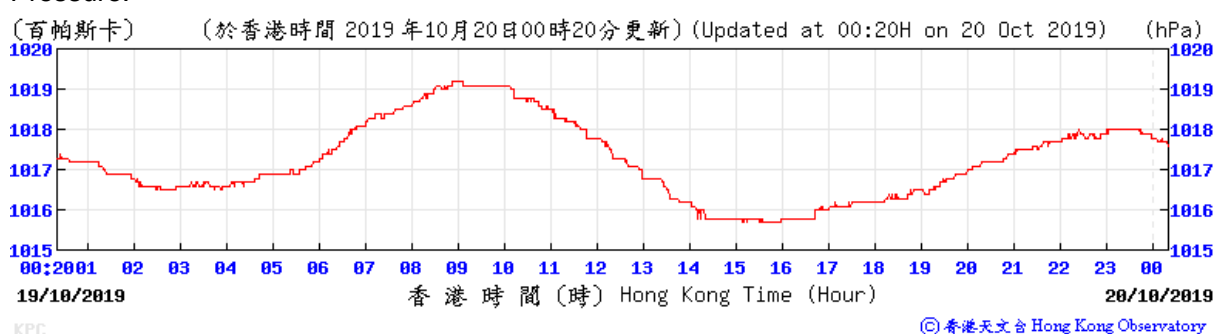
Wind Speed:



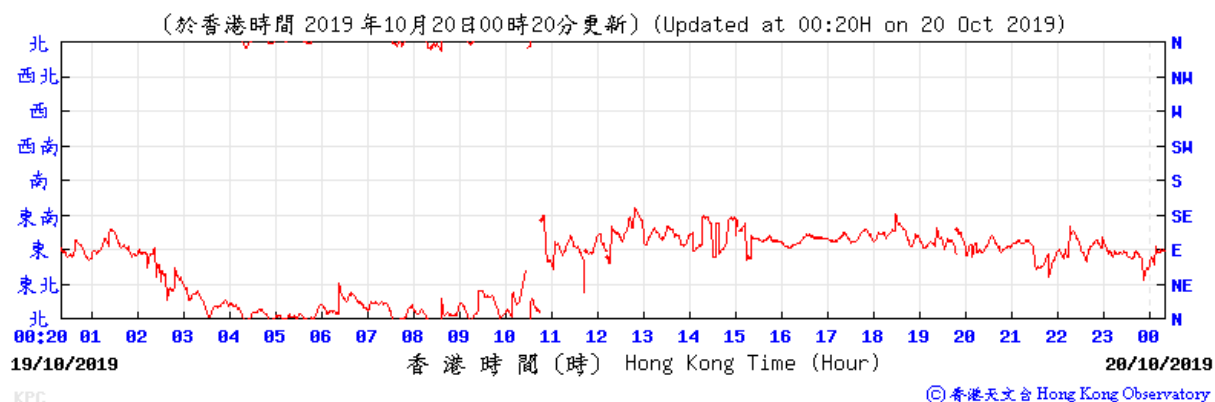
Temperature/Humidity:



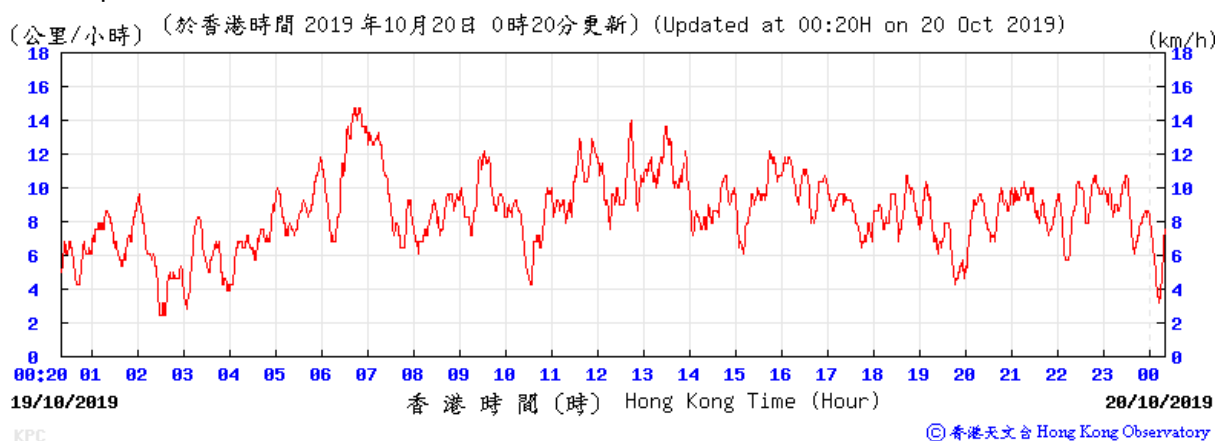
Pressure:



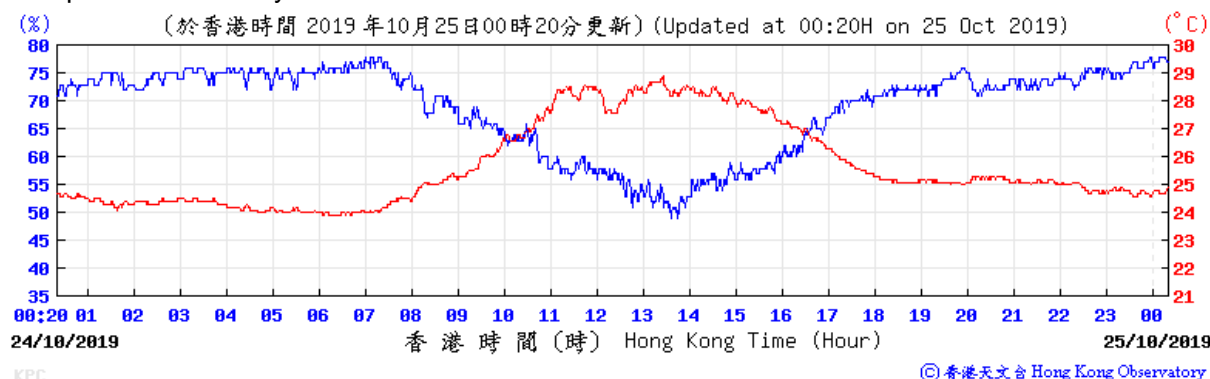
Wind Direction:



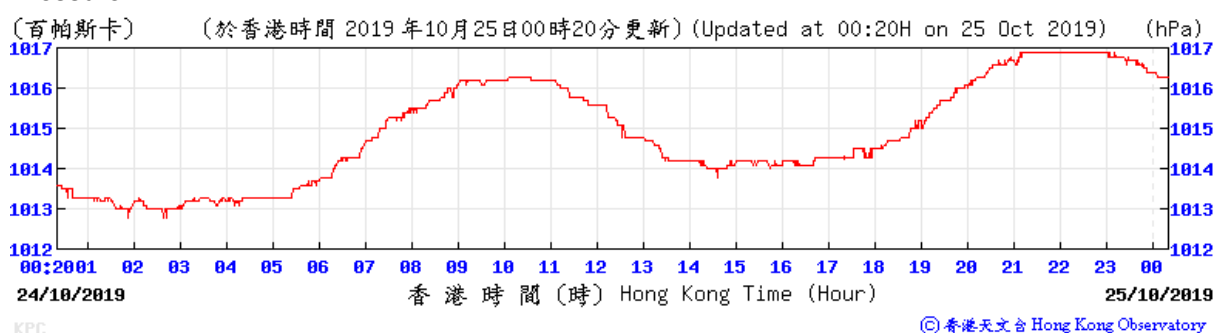
Wind Speed:



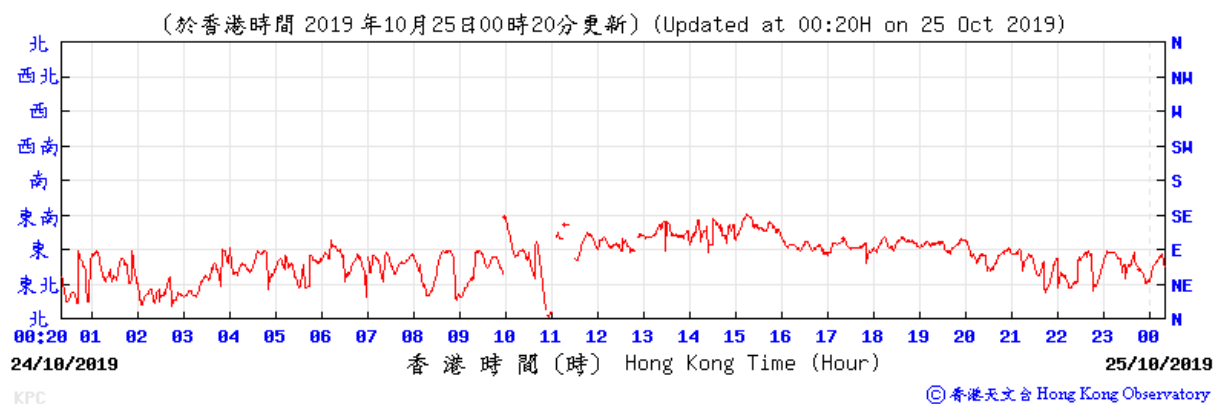
Temperature/Humidity:



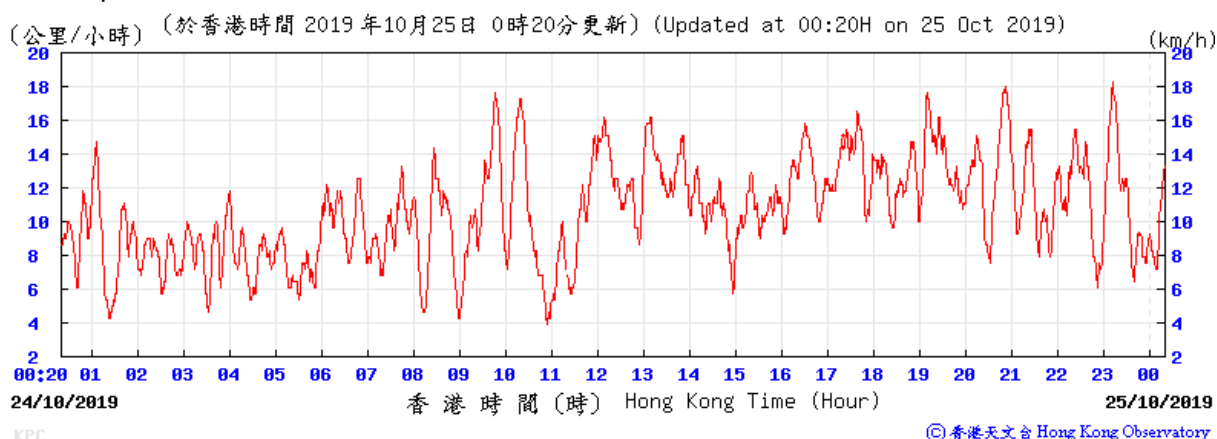
Pressure:



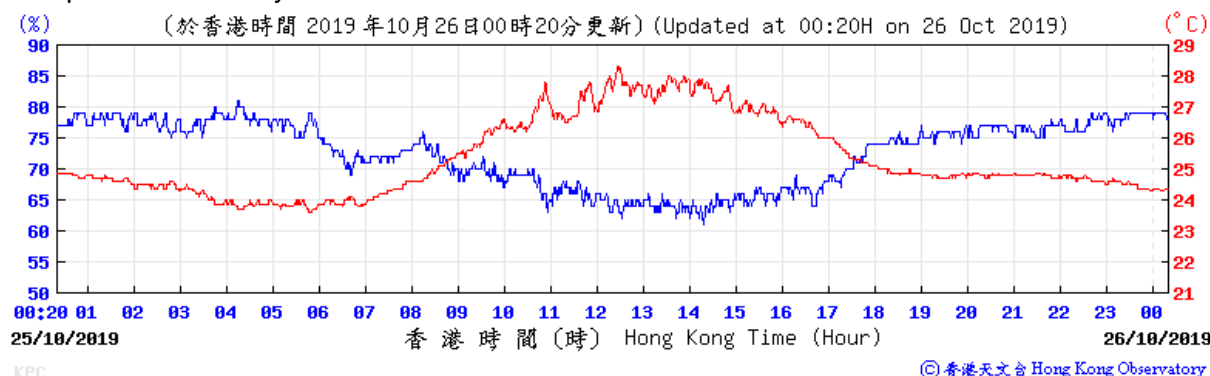
Wind Direction:



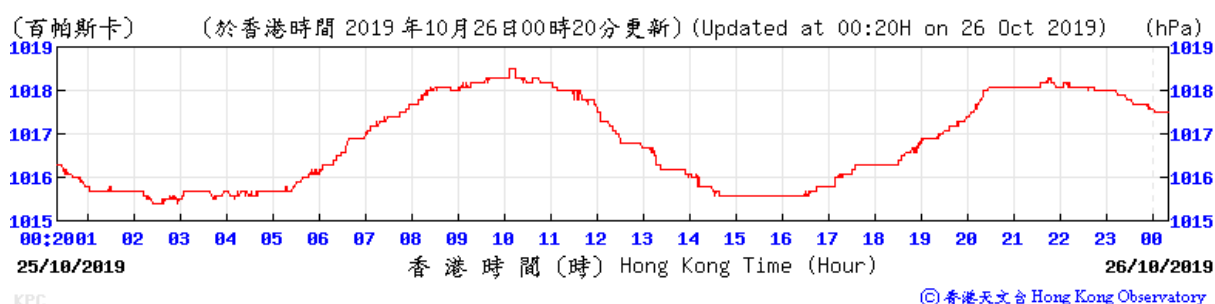
Wind Speed:



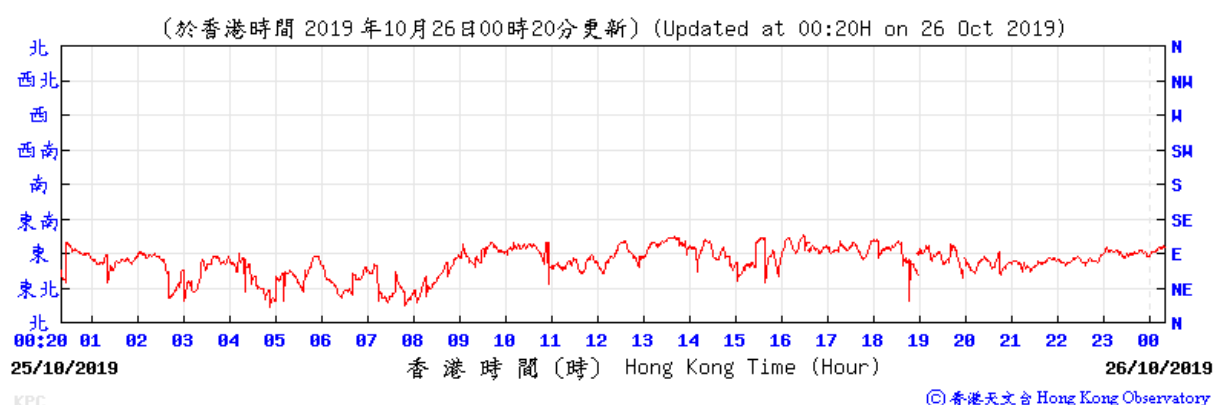
Temperature/Humidity:



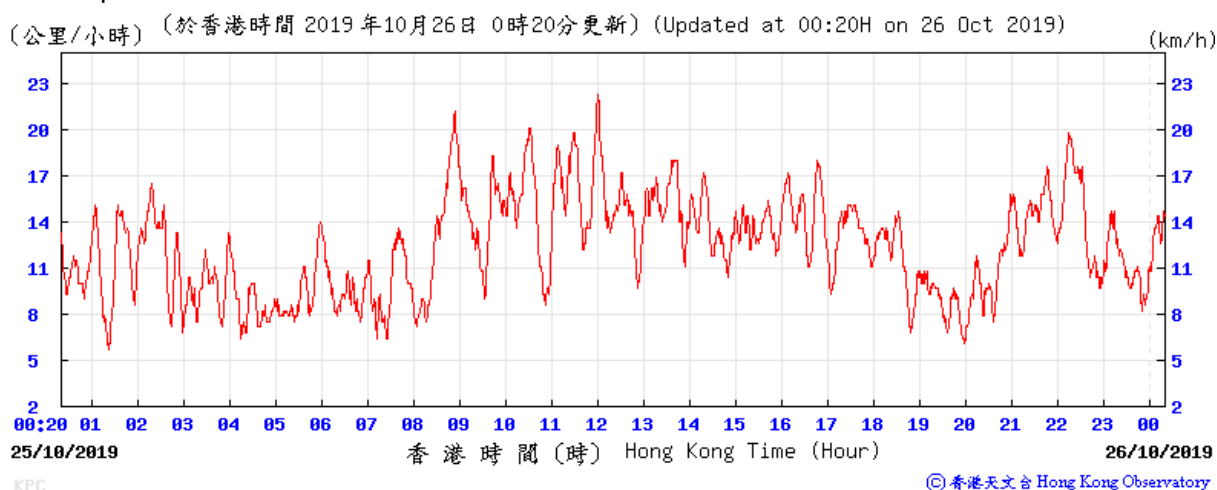
Pressure:



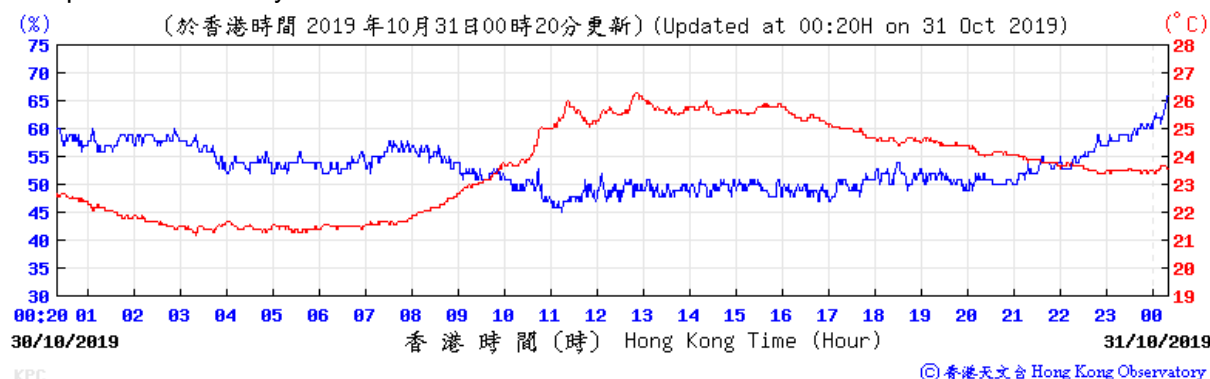
Wind Direction:



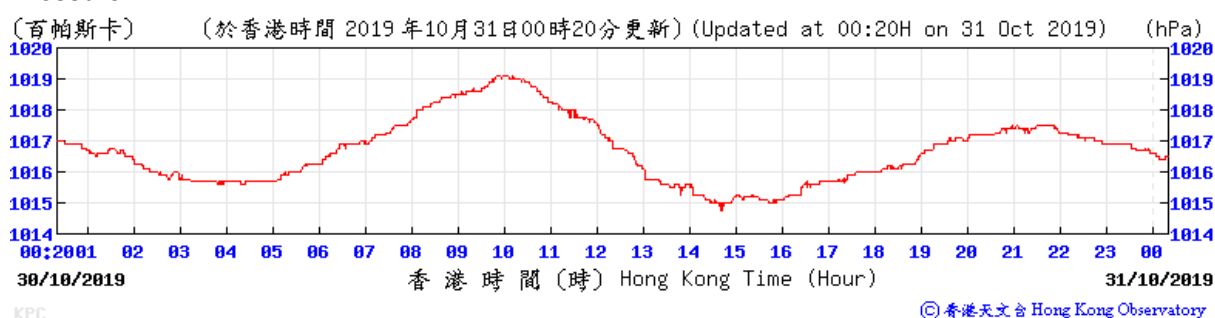
Wind Speed:



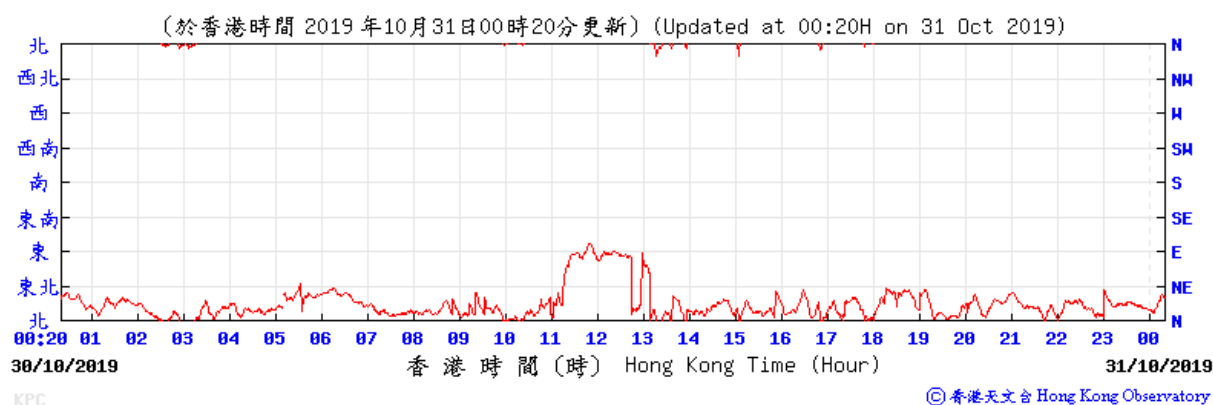
Temperature/Humidity:



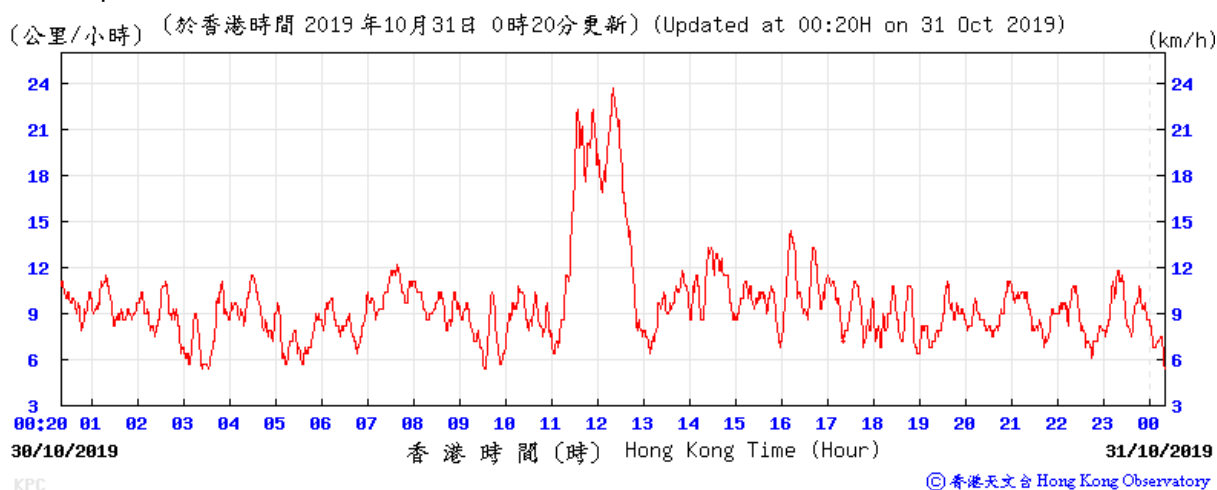
Pressure:



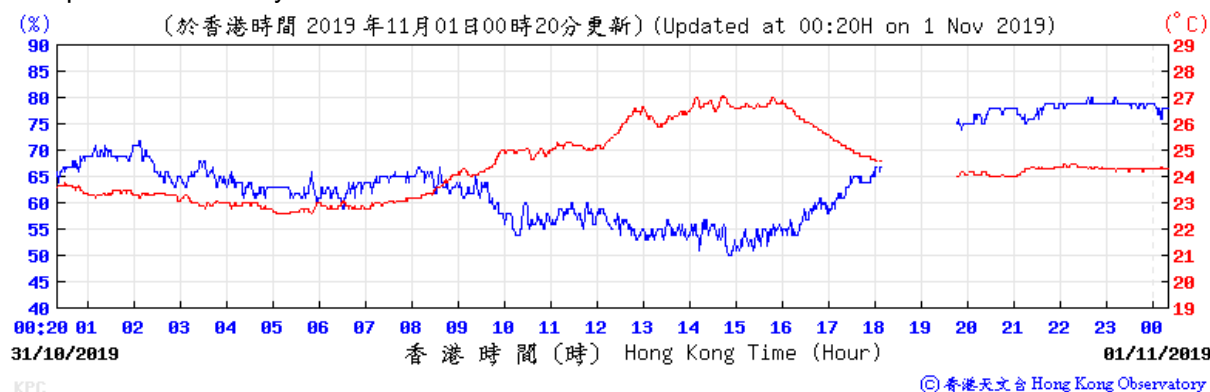
Wind Direction:



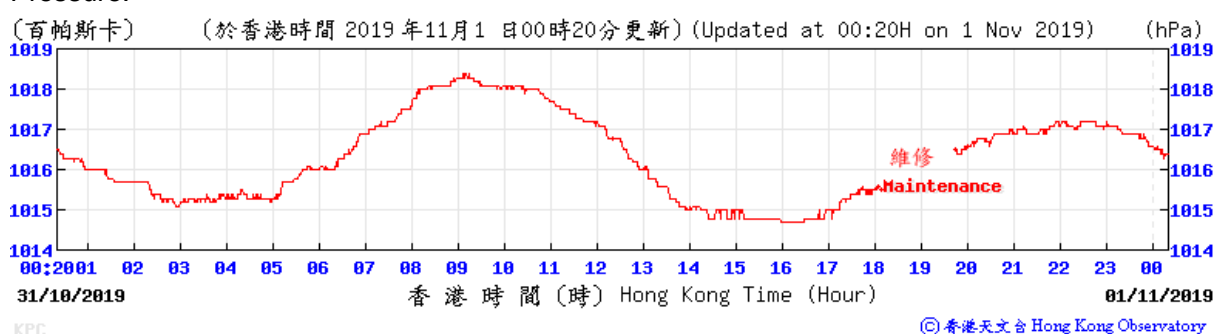
Wind Speed:



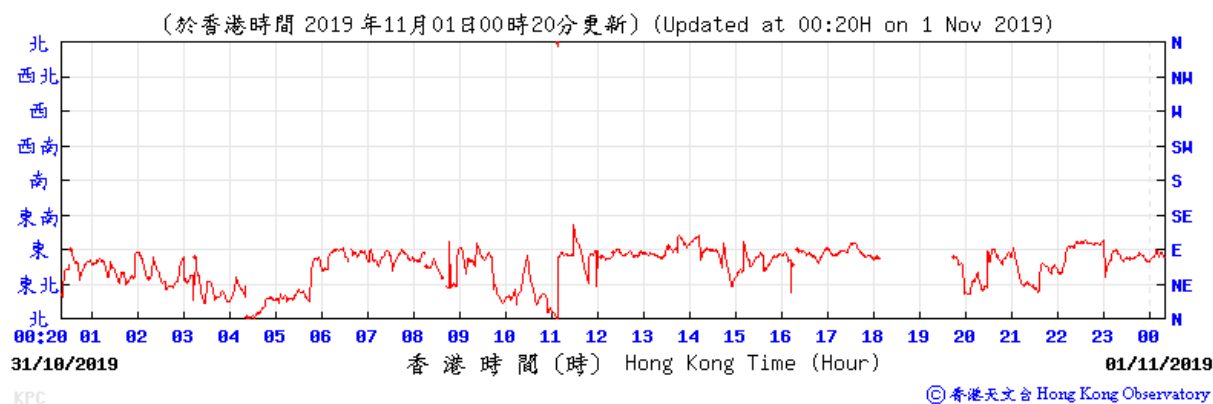
Temperature/Humidity:



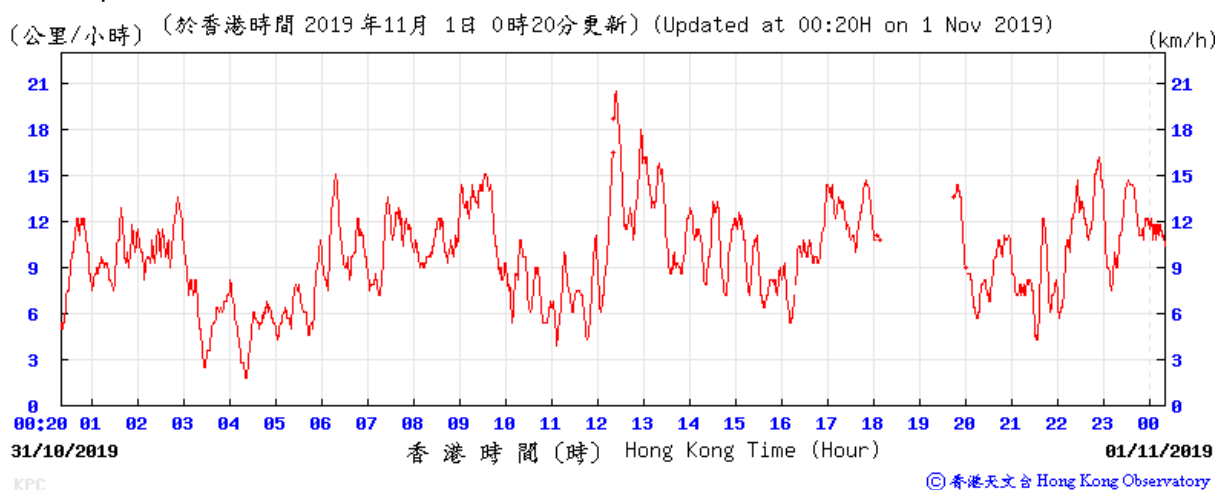
Pressure:



Wind Direction:



Wind Speed:

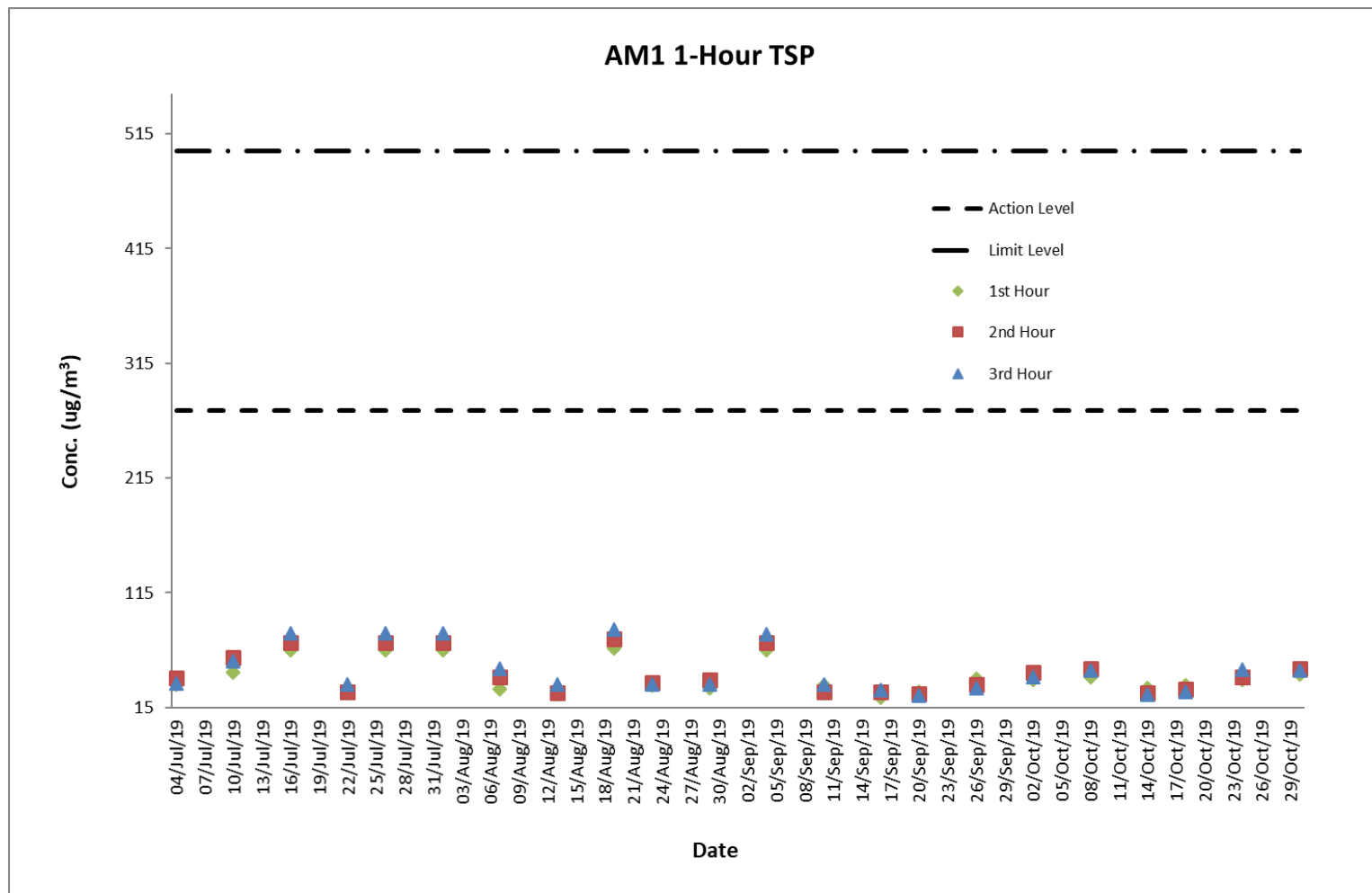


E. Graphical Plots of the Monitoring Results

Air Quality Monitoring Result at Station AM1 (1-hour TSP)

Date	Weather Condition	Time	Conc. ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1 st Hour	2 nd Hour	3 rd Hour		
01-Aug-19	Rainy	8:12 - 11:12	65	72	80	273.7	500
07-Aug-19	Sunny	8:18 - 11:18	31	42	49	273.7	500
13-Aug-19	Sunny	13:19 - 16:19	31	28	35	273.7	500
19-Aug-19	Fine	8:20 - 11:20	67	75	83	273.7	500
23-Aug-19	Fine	13:23 - 16:23	34	37	35	273.7	500
29-Aug-19	Cloudy	13:20 - 16:20	32	39	35	273.7	500
04-Sep-19	Rainy	13:04 - 16:04	65	72	79	273.7	500
10-Sep-19	Sunny	13:02 - 16:02	34	29	35	273.7	500
16-Sep-19	Fine	8:05 - 11:05	24	29	30	273.7	500
20-Sep-19	Sunny	8:20 - 11:20	29	27	25	273.7	500
26-Sep-19	Sunny	13:08 - 16:08	40	35	32	273.7	500
02-Oct-19	Sunny	13:07 - 16:07	39	46	42	273.7	500
08-Oct-19	Fine	8:10 - 11:10	42	49	47	273.7	500
14-Oct-19	Cloudy	8:08 - 11:08	32	28	26	273.7	500
18-Oct-19	Fine	8:07 - 11:07	34	31	29	273.7	500
24-Oct-19	Sunny	8:10 - 11:10	39	42	48	273.7	500
30-Oct-19	Fine	8:06 - 11:06	44	49	47	273.7	500

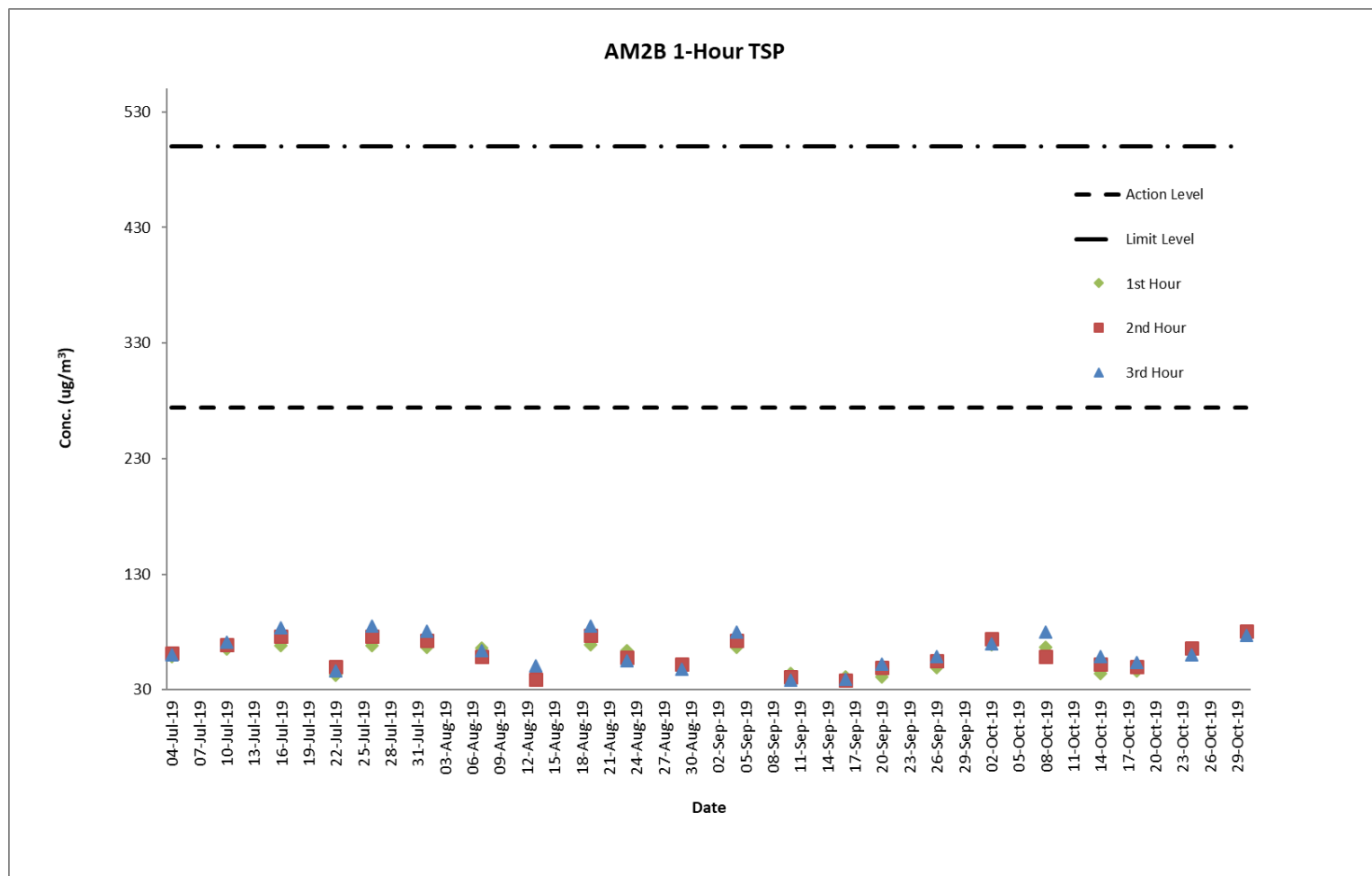
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



Air Quality Monitoring Result at Station AM2B (1-hour TSP)

Date	Weather Condition	Time	Conc. ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1 st Hour	2 nd Hour	3 rd Hour		
01-Aug-19	Rainy	8:27 - 11:27	67	73	81	274.2	500
07-Aug-19	Sunny	8:32 - 11:32	66	59	64	274.2	500
13-Aug-19	Sunny	13:28 - 16:28	40	39	51	274.2	500
19-Aug-19	Fine	8:36 - 11:36	69	77	85	274.2	500
23-Aug-19	Fine	13:39 - 16:39	64	58	55	274.2	500
29-Aug-19	Cloudy	13:34 - 16:34	49	52	48	274.2	500
04-Sep-19	Rainy	13:18 - 16:18	67	73	80	274.2	500
10-Sep-19	Sunny	13:14 - 16:14	44	41	38	274.2	500
16-Sep-19	Fine	8:20 - 11:20	41	38	39	274.2	500
20-Sep-19	Sunny	8:34 - 11:34	41	49	52	274.2	500
26-Sep-19	Sunny	13:22 - 16:22	49	55	59	274.2	500
02-Oct-19	Sunny	13:22 - 16:22	69	74	70	274.2	500
08-Oct-19	Fine	8:24 - 11:24	67	59	80	274.2	500
14-Oct-19	Cloudy	8:22 - 11:22	44	52	59	274.2	500
18-Oct-19	Fine	8:22 - 11:22	46	50	54	274.2	500
24-Oct-19	Sunny	8:24 - 11:24	64	66	60	274.2	500
30-Oct-19	Fine	8:20 - 11:20	79	81	77	274.2	500

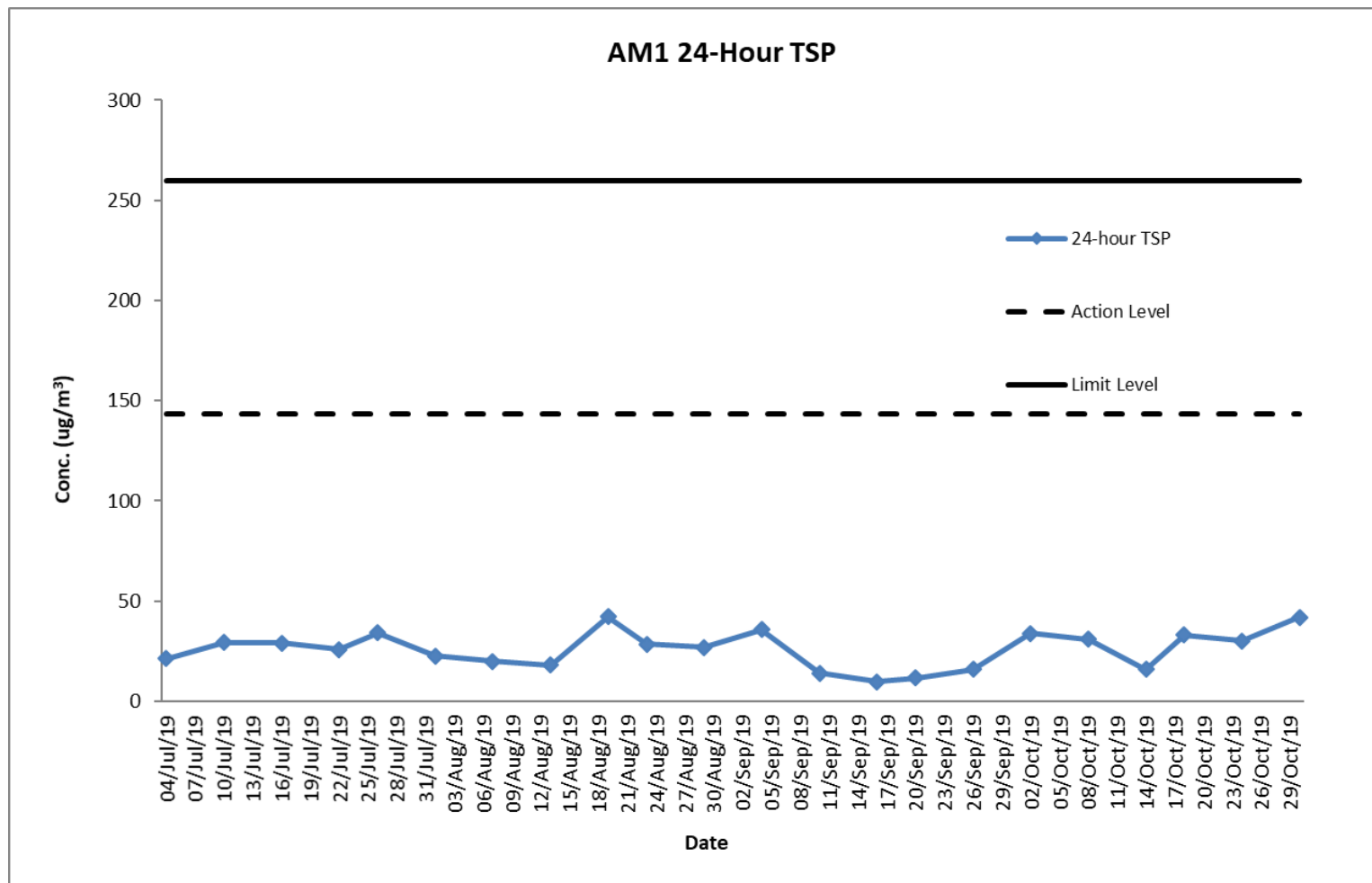
Graphical Presentation of Air Quality Monitoring Result at Station AM2B (1-hour TSP)



Air Quality Monitoring Result at Station AM1 (24-hour TSP)

Start		Finish		Filter Weight (g)		Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
01-Aug-19	8:10	02-Aug-19	8:10	2.687	2.7252	24552.38	24576.38	24	1.17	1.17	1.17	23	Rainy	143.6	260
07-Aug-19	8:15	08-Aug-19	8:15	2.6922	2.7282	24576.38	24600.38	24	1.26	1.26	1.26	20	Sunny	143.6	260
13-Aug-19	8:15	14-Aug-19	8:15	2.7068	2.7396	24600.38	24624.38	24	1.26	1.26	1.26	18	Sunny	143.6	260
19-Aug-19	8:18	20-Aug-19	8:18	2.7155	2.7920	24624.38	24648.38	24	1.26	1.26	1.26	42	Fine	143.6	260
23-Aug-19	8:20	24-Aug-19	8:20	2.7225	2.7742	24648.38	24672.38	24	1.26	1.26	1.26	28	Fine	143.6	260
29-Aug-19	8:18	30-Aug-19	8:18	2.7222	2.7708	24672.38	24696.38	24	1.26	1.26	1.26	27	Cloudy	143.6	260
04-Sep-19	8:02	05-Sep-19	8:02	2.6779	2.7429	24696.38	24720.38	24	1.26	1.26	1.26	36	Rainy	143.6	260
10-Sep-19	10:30	11-Sep-19	10:30	2.7063	2.7317	24720.38	24744.38	24	1.26	1.26	1.26	14	Sunny	143.6	260
16-Sep-19	8:07	17-Sep-19	8:07	2.6776	2.6951	24744.38	24768.38	24	1.26	1.26	1.26	10	Fine	143.6	260
20-Sep-19	8:18	21-Sep-19	8:18	2.6915	2.7126	24768.38	24792.38	24	1.26	1.26	1.26	12	Sunny	143.6	260
26-Sep-19	8:10	27-Sep-19	8:10	2.6675	2.6966	20792.38	20816.38	24	1.26	1.26	1.26	16	Sunny	143.6	260
02-Oct-19	8:05	03-Oct-19	8:05	2.6987	2.7592	20816.38	20840.38	24	1.23	1.23	1.23	34	Sunny	143.6	260
08-Oct-19	8:08	09-Oct-19	8:08	2.7222	2.7770	20840.38	20864.38	24	1.23	1.23	1.23	31	Fine	143.6	260
14-Oct-19	8:06	15-Oct-19	8:06	2.7104	2.7390	20864.38	20888.38	24	1.23	1.23	1.23	16	Cloudy	143.6	260
18-Oct-19	8:05	19-Oct-19	8:05	2.7272	2.7863	20888.38	20912.38	24	1.23	1.23	1.23	33	Fine	143.6	260
24-Oct-19	8:08	25-Oct-19	8:08	2.7124	2.7663	20912.38	20936.38	24	1.23	1.23	1.23	30	Sunny	143.6	260
30-Oct-19	8:04	31-Oct-19	8:04	2.7129	2.7879	20936.38	20960.38	24	1.23	1.23	1.23	42	Fine	143.6	260

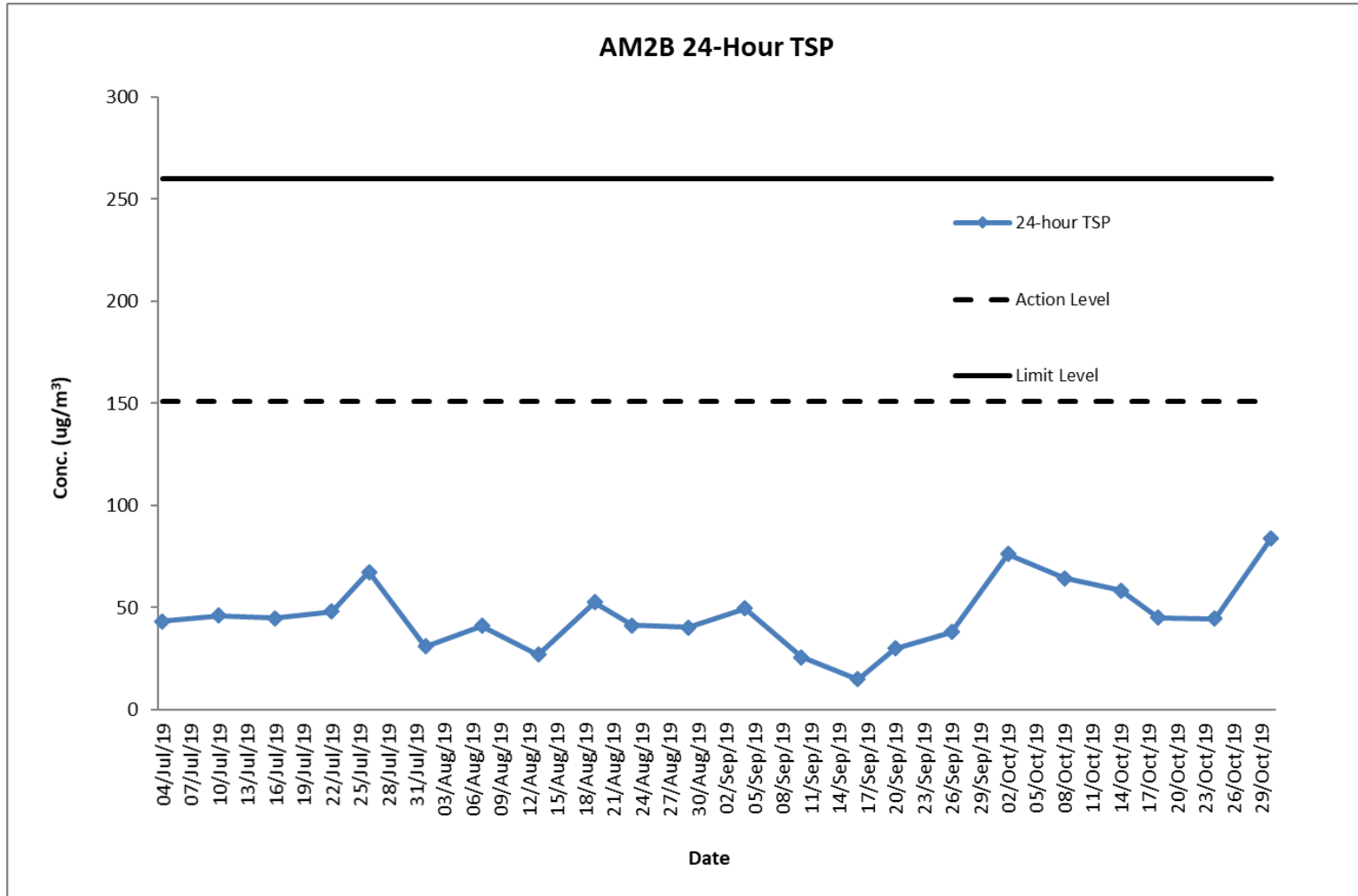
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



Air Quality Monitoring Result at Station AM2B (24-hour TSP)

Start		Finish		Filter Weight (g)		Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
01-Aug-19	8:25	02-Aug-19	8:25	2.7380	2.7932	20207.05	20231.05	24	1.24	1.24	1.24	31	Rainy	151.1	260
07-Aug-19	8:30	08-Aug-19	8:30	2.7051	2.7783	20231.05	20255.05	24	1.24	1.24	1.24	41	Sunny	151.1	260
13-Aug-19	8:26	14-Aug-19	8:26	2.7032	2.7511	20255.05	20279.05	24	1.24	1.24	1.24	27	Sunny	151.1	260
19-Aug-19	8:34	20-Aug-19	8:34	2.6942	2.7879	20279.05	20303.05	24	1.24	1.24	1.24	52	Fine	151.1	260
23-Aug-19	8:36	24-Aug-19	8:36	2.7072	2.7810	20303.05	20327.05	24	1.24	1.24	1.24	41	Fine	151.1	260
29-Aug-19	8:32	30-Aug-19	8:32	2.7050	2.7770	20327.05	20351.05	24	1.24	1.24	1.24	40	Cloudy	151.1	260
04-Sep-19	8:16	05-Sep-19	8:16	2.6915	2.7798	20351.05	20375.05	24	1.24	1.24	1.24	49	Rainy	151.1	260
10-Sep-19	8:12	11-Sep-19	8:12	2.7138	2.7598	20375.05	20399.05	24	1.24	1.24	1.24	26	Sunny	151.1	260
16-Sep-19	8:18	17-Sep-19	8:18	2.6883	2.7150	20399.05	20423.05	24	1.24	1.24	1.24	15	Fine	151.1	260
20-Sep-19	8:32	21-Sep-19	8:32	2.6730	2.7264	20323.05	20347.05	24	1.24	1.24	1.24	30	Sunny	151.1	260
26-Sep-19	8:24	27-Sep-19	8:24	2.6780	2.7479	20347.05	20371.05	24	1.28	1.28	1.28	38	Sunny	151.1	260
02-Oct-19	8:20	03-Oct-19	8:20	2.7055	2.8457	20371.05	20395.05	24	1.28	1.28	1.28	76	Sunny	151.1	260
08-Oct-19	8:22	09-Oct-19	8:22	2.724	2.8428	20395.05	20419.05	24	1.28	1.28	1.28	64	Fine	151.1	260
14-Oct-19	8:20	15-Oct-19	8:20	2.7236	2.8312	20419.05	20443.05	24	1.28	1.28	1.28	58	Cloudy	151.1	260
18-Oct-19	8:20	19-Oct-19	8:20	2.7145	2.7975	20443.05	20467.05	24	1.28	1.28	1.28	45	Fine	151.1	260
24-Oct-19	8:22	25-Oct-19	8:22	2.7056	2.7875	20467.05	20491.05	24	1.28	1.28	1.28	44	Sunny	151.1	260
30-Oct-19	8:18	31-Oct-19	8:18	2.6729	2.8276	20491.05	20515.05	24	1.28	1.28	1.28	84	Fine	151.1	260

Graphical Presentation of Air Quality Monitoring Result at Station AM2B (24-hour TSP)



Noise Monitoring Result at Station NM1A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
04-Jul-19	10:35	68.4	64.1	70
04-Jul-19	10:40	69.1	65.0	
04-Jul-19	10:45	67.1	63.1	
04-Jul-19	10:50	68.2	64.0	
04-Jul-19	10:55	69.1	65.7	
04-Jul-19	11:00	67.0	63.2	
10-Jul-19	10:15	66.9	62.4	68
10-Jul-19	10:20	67.5	63.0	
10-Jul-19	10:25	68.5	64.7	
10-Jul-19	10:30	68.8	64.3	
10-Jul-19	10:35	66.7	62.5	
10-Jul-19	10:40	66.9	63.6	
16-Jul-19	10:33	66.5	62.7	68
16-Jul-19	10:38	67.8	63.6	
16-Jul-19	10:43	66.3	62.7	
16-Jul-19	10:48	68.4	64.4	
16-Jul-19	10:53	67.2	63.9	
16-Jul-19	10:58	66.3	62.7	
22-Jul-19	10:44	66.0	62.7	68
22-Jul-19	10:49	68.4	64.4	
22-Jul-19	10:54	67.5	63.4	
22-Jul-19	10:59	66.7	62.8	
22-Jul-19	11:04	67.9	63.6	
22-Jul-19	11:09	66.2	62.3	
01-Aug-19	10:50	66.7	62.7	69
01-Aug-19	10:55	68.4	64.1	
01-Aug-19	11:00	67.7	63.0	
01-Aug-19	11:05	66.9	62.7	
01-Aug-19	11:10	68.5	64.1	
01-Aug-19	11:15	68.8	64.9	
07-Aug-19	10:38	66.4	62.7	69
07-Aug-19	10:43	67.9	63.7	
07-Aug-19	10:48	68.5	64.3	
07-Aug-19	10:53	67.7	63.6	
07-Aug-19	10:58	68.5	64.2	
07-Aug-19	11:03	67.9	63.1	
13-Aug-19	10:17	68.0	64.7	69
13-Aug-19	10:22	67.7	63.6	
13-Aug-19	10:27	68.9	64.1	
13-Aug-19	10:32	69.4	65.7	
13-Aug-19	10:37	68.8	64.7	
13-Aug-19	10:42	67.7	63.1	
19-Aug-19	10:46	68.3	64.6	68
19-Aug-19	10:51	67.5	63.7	
19-Aug-19	10:56	66.7	62.5	
19-Aug-19	11:01	66.8	62.4	
19-Aug-19	11:06	67.9	63.7	
19-Aug-19	11:11	68.6	64.1	
29-Aug-19	10:43	67.9	63.4	69
29-Aug-19	10:48	68.4	64.1	
29-Aug-19	10:53	67.7	63.9	
29-Aug-19	10:58	68.0	64.7	
29-Aug-19	11:03	68.7	64.6	
29-Aug-19	11:08	67.6	63.2	

04-Sep-19	10:25	67.9	63.4	69
04-Sep-19	10:30	68.0	64.4	
04-Sep-19	10:35	68.4	64.1	
04-Sep-19	10:40	66.1	62.7	
04-Sep-19	10:45	67.9	63.0	
04-Sep-19	10:50	68.5	64.0	
10-Sep-19	9:25	68.1	64.3	69
10-Sep-19	9:30	67.4	63.2	
10-Sep-19	9:35	66.9	62.7	
10-Sep-19	9:40	67.5	63.0	
10-Sep-19	9:45	68.1	64.1	
10-Sep-19	9:50	68.9	64.7	
16-Sep-19	10:28	66.9	62.4	68
16-Sep-19	10:33	67.0	63.7	
16-Sep-19	10:38	68.5	64.1	
16-Sep-19	10:43	67.7	63.5	
16-Sep-19	10:48	66.0	62.7	
16-Sep-19	10:53	67.9	63.9	
26-Sep-19	10:30	67.2	63.4	69
26-Sep-19	10:35	68.3	64.0	
26-Sep-19	10:40	66.9	62.7	
26-Sep-19	10:45	68.1	64.8	
26-Sep-19	10:50	67.0	63.2	
26-Sep-19	10:55	66.2	62.9	
02-Oct-19	10:28	66.4	62.7	68
02-Oct-19	10:33	67.9	63.1	
02-Oct-19	10:38	68.0	63.9	
02-Oct-19	10:43	66.4	62.9	
02-Oct-19	10:48	66.7	62.7	
02-Oct-19	10:53	68.2	64.5	
08-Oct-19	10:30	66.4	62.1	68
08-Oct-19	10:35	67.9	63.4	
08-Oct-19	10:40	67.8	63.9	
08-Oct-19	10:45	66.5	62.4	
08-Oct-19	10:50	67.6	63.4	
08-Oct-19	10:55	68.0	64.0	
14-Oct-19	10:28	68.4	64.5	69
14-Oct-19	10:33	67.5	63.2	
14-Oct-19	10:38	69.7	65.2	
14-Oct-19	10:43	69.6	65.8	
14-Oct-19	10:48	68.7	64.9	
14-Oct-19	10:53	67.7	63.5	
24-Oct-19	10:30	68.3	63.1	69
24-Oct-19	10:35	67.5	62.7	
24-Oct-19	10:40	67.9	62.9	
24-Oct-19	10:45	68.0	63.4	
24-Oct-19	10:50	68.4	63.9	
24-Oct-19	10:55	67.2	62.7	
30-Oct-19	10:26	66.9	62.7	69
30-Oct-19	10:31	67.4	63.4	
30-Oct-19	10:36	68.7	64.2	
30-Oct-19	10:41	66.7	62.7	
30-Oct-19	10:46	68.4	64.5	
30-Oct-19	10:51	67.1	63.2	

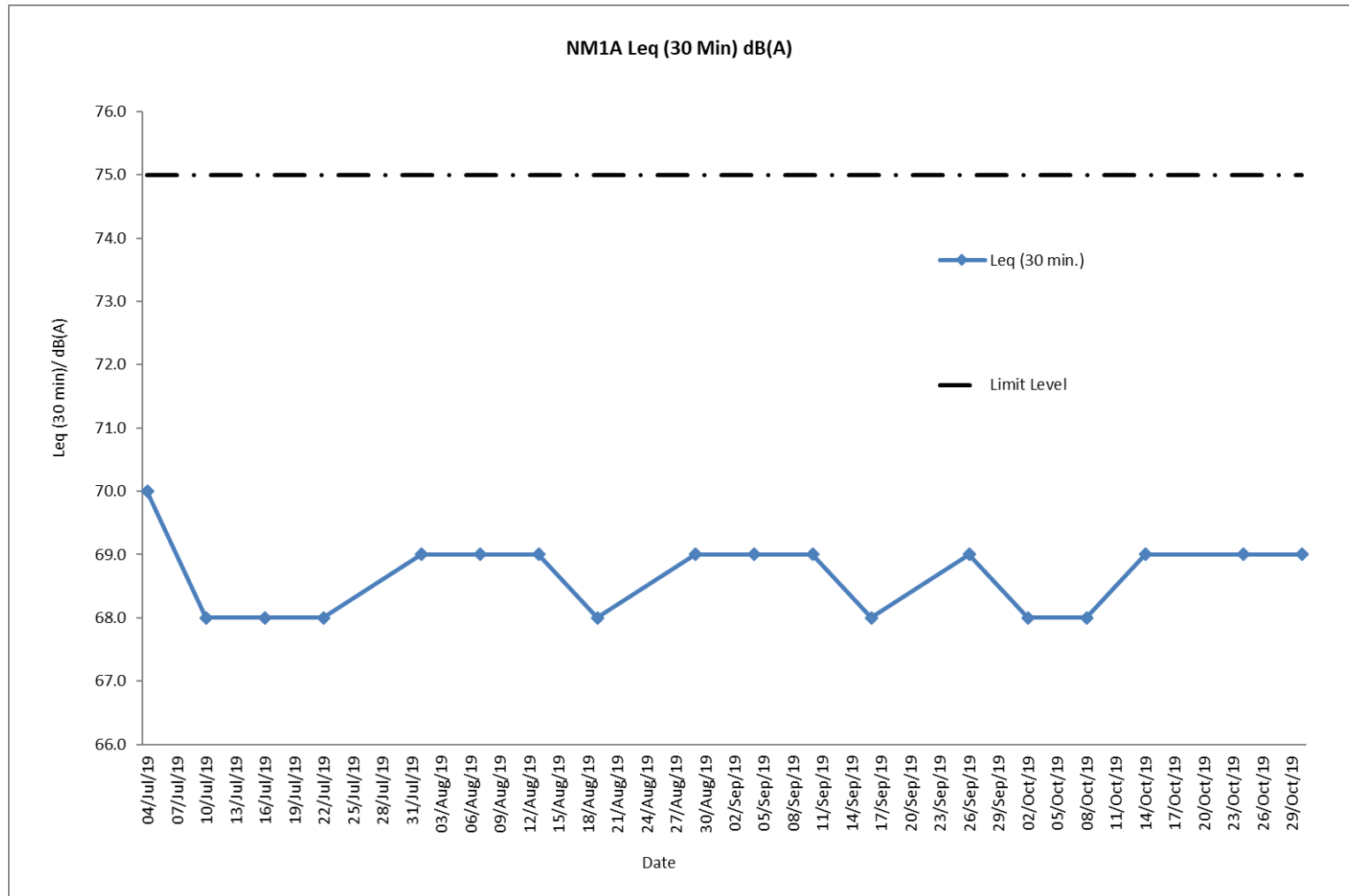
Remarks:

+3dB (A) correction was applied to free-field measurement.



The station set-up of a free-field measurement at Station NM1A.

Graphical Presentation Noise Monitoring Result at Station NM1A



F. Waste Flow table

M+ Museum

Table F-1: Monthly Waste Flow Table for M+ Museum

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2015													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
2016													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.2	0.0	38.5	0.0	104.9
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.3	0.0	400.1	0.2	861.8
2017													
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4
Mar	1856.7	0.0	0.0	1280.0	466.9	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr	642.4	0.0	0.0	160.0	324.9	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5
May	1118.2	0.0	0.0	528.0	416.4	173.7	0.0	118.3	0.0	0.0	280.0	0.0	139.0
June	650.0	0.0	0.0	0.0	451.6	198.4	0.0	199.7	1.4	0.0	350.0	0.0	98.7
Jul	1762.0	0.0	0.0	0.0	1466.6	295.4	0.0	36.9	1.2	0.0	244.0	0.0	164.2
Aug	1231.5	0.0	0.0	0.0	867.5	364.0	0.0	50.9	0.9	0.0	59.0	0.0	186.9
Sep	1681.7	0.0	0.0	0.0	1342.0	339.7	0.0	52.3	0.7	0.0	77.0	0.0	265.3
Oct	483.6	0.0	0.0	0.0	242.5	241.1	0.0	374.8	0.6	0.0	24.1	0.0	128.5
Nov	822.8	0.0	0.0	0.0	344.5	478.3	0.0	948.5	0.7	0.0	140.0	0.2	219.1
Dec	601.3	0.0	0.0	0.0	236.2	365.1	0.0	903.6	0.8	0.0	320.0	0.0	241.9

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Sub-total (2017)	12453.0	0.0	0.0	3168.0	6522.6	2762.4	0.0	2985.3	8.9	0.0	1921.1	0.2	1855.5
2018													
Jan	1015.3	0.0	0.0	0.0	574.1	441.2	0.0	773.3	1.5	0.0	100.0	0.0	183.6
Feb	847.6	0.0	0.0	0.0	608.3	239.3	0.0	34.0	1.0	0.0	25.0	0.0	154.9
Mar	1507.0	0.0	0.0	0.0	1102.1	404.9	0.0	39.5	1.5	0.0	120.0	0.0	264.1
Apr	2942.8	0.0	0.0	0.0	2542.4	400.4	0.0	60.1	0.3	0.0	100.0	0.0	252.5
May	2109.2	0.0	0.0	0.0	1593.3	515.9	0.0	37.0	0.4	0.0	70.0	0.0	311.4
Jun	1697.6	0.0	0.0	0.0	1162.4	535.2	0.0	47.0	0.3	0.0	105.0	0.0	188.2
Jul	945.5	0.0	0.0	0.0	646.1	299.4	0.0	15.2	0.4	0.0	150.0	0.0	277.6
Aug	730.8	0.0	0.0	0.0	461.4	269.4	0.0	0.0	0.0	0.0	40.0	0.0	109.1
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	1193.1	0.0	0.0	0.0	895.7	297.5	0.0	129.3	2.7	0.0	200.0	0.0	116.6
Nov	1608.9	0.0	0.0	0.0	841.1	767.7	0.0	45.8	1.1	0.0	245.0	0.0	213.9
Dec	1313.8	0.0	0.0	170.4	341.9	801.5	0.0	256.7	0.8	0.0	180.0	0.0	198.2
Sub-total (2018)	15911.4	0.0	0.0	170.4	10768.7	4972.3	0.0	1437.9	9.9	0.0	1335.0	0.0	2270.2
2019													
Jan	1632.5	0.0	0.0	153.6	572.3	906.6	0.0	192.1	0.8	0.0	40.0	0.0	303.9
Feb	618.5	0.0	0.0	0.0	397.4	221.2	0.0	43.4	1.2	0.0	20.0	0.0	429.7
Mar	1555.1	0.0	0.0	441.6	920.2	193.2	0.0	31.8	0.0	0.0	20.0	0.0	645.2
Apr	327.4	0.0	0.0	0.0	127.3	200.2	0.0	48.9	1.3	0.0	300.0	0.9	477.4
May	712.8	0.0	0.0	361.9	116.7	234.3	0.0	81.0	0.8	0.0	320.0	0.0	531.1
Jun	219.9	0.0	0.0	0.0	95.6	124.4	0.0	123.4	0.5	0.0	350.0	0.0	448.0
Jul	445.8	0.0	0.0	0.0	171.6	274.1	0.0	57.1	1.1	0.0	300.0	0.6	553.1
Aug	692.6	0.0	0.0	55.2	354.1	283.3	0.0	1.5	0.0	0.0	0.0	0.0	596.8
Sep	477.4	0.0	0.0	0.0	218.2	259.2	0.0	46.7	0.0	0.0	420.0	0.0	560.5
Oct	373.0	0.0	0.0	0.0	204.4	168.6	0.0	94.7	0.0	0.0	450.0	0.4	657.7
Sub-total (2019)	7055.0	0.0	0.0	1012.3	3177.6	2865.0	0.0	720.6	5.6	0.0	2220.0	1.9	5203.5
Total	245813.2	0.0	25232.0	141668.1	68147.0	10766.1	0.0	6061.1	26.8	0.0	5876.2	3.2	10324.6

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)

- Note:
- 0.0 tonnes, 387.83 tonnes and 388.81 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively in the reporting quarter.
 - For inert C&D materials reused in other projects, the projects refer to (1) Green Valley; (2) Advance Works for Shek Wu Hui Sewage Treatment Works (3) Design and Construction of Kai Tak Cable Tunnel, CLP; (4) MTR Contract 1002 Whampoa Station and Overrun Tunnel; (5) CEDD Tuen Mun Area 54 Contract No. CV/2015/03; (6) Union Construction Ltd.'s site; (7) Foundation Works at Marriot Hotel at Ocean Park; (8) Ming Tai warehouses; (9) No.1 Plantation Road; (10) L1 Lyric Theatre
 - Quantities of waste materials generated for the previous reporting months have been updated by Contractor.

Lyric Theatre Complex

Table F-2: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2016													
Mar	2702.1	0.0	0.0	0.0	2702.1	0.0	0.0	4.5	0.1	0.0	0.0	0.0	30.6
Apr	8631.5	0.0	0.0	0.0	8631.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	19.2
May	12487.8	0.0	0.0	0.0	12487.8	0.0	0.0	34.0	0.0	0.0	0.0	0.7	60.5
Jun	8600.8	0.0	0.0	0.0	8600.8	0.0	0.0	31.4	0.2	0.0	0.0	0.5	13.5
Jul	12624.2	0.0	0.0	0.0	12624.2	0.0	0.0	19.6	0.0	0.0	0.0	2.0	9.9
Aug	14419.9	0.0	0.0	0.0	14419.9	0.0	0.0	43.9	0.0	0.0	0.0	0.0	11.1
Sep	13671.3	0.0	0.0	0.0	13671.3	0.0	0.0	59.8	0.0	0.0	0.0	1.6	12.4
Oct	13088.9	0.0	0.0	0.0	13088.9	0.0	0.0	36.9	0.2	1.5	0.0	0.0	15.2
Nov	12424.7	0.0	0.0	0.0	12424.7	0.0	0.0	74.7	0.0	0.0	0.0	1.4	10.2
Dec	12487.6	0.0	0.0	0.0	12487.6	0.0	0.0	13.9	0.0	0.0	0.0	1.3	9.0
Sub-total (2016)	111138.8	0.0	0.0	0.0	111138.8	0.0	0.0	334.5	0.4	1.5	0.0	7.6	191.6
2017													
Jan	9607.8	0.0	0.0	0.0	9607.8	0.0	0.0	29.5	0.0	0.0	0.0	0.0	7.3
Feb	9108.2	0.0	0.0	0.0	9108.2	0.0	0.0	50.2	0.2	0.0	0.0	0.7	9.8
Mar	11361.7	0.0	0.0	0.0	11361.7	0.0	0.0	16.1	0.0	0.0	0.0	1.4	8.5
Apr	2591.5	0.0	0.0	0.0	2591.5	0.0	0.0	35.7	0.0	0.0	0.0	0.0	4.7
May	2579.3	0.0	0.0	99.0	2480.3	0.0	0.0	20.9	0.1	0.0	0.0	0.5	10.0
Jun	476.0	0.0	0.0	341.0	129.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Jul	3419.0	0.0	0.0	804.0	2615.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
Aug	3730.9	0.0	0.0	1377.5	2353.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Sep	2108.2	0.0	0.0	1133.5	974.7	0.0	0.0	34.6	0.2	0.0	0.0	0.0	10.8
Oct	9159.0	0.0	0.0	7868.0	1291.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	9.3
Nov	5095.4	0.0	0.0	4352.0	725.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Dec	3856.2	0.0	0.0	3076.0	780.2	0.0	0.0	0.0	0.2	0.0	0.0	0.4	8.4
Sub-total (2017)	63093.1	0.0	0.0	19051.0	44018.7	23.4	0.0	187.1	0.7	0.0	0.0	3.8	137.3

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2018													
Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Mar	6120.2	0.0	0.0	5782.0	338.2	0.0	0.0	0.0	0.0	1.0	0.0	0.5	17.6
Apr	14460.3	0.0	0.0	12484.1	1976.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	7.6
May	59783.7	0.0	0.0	46989.0	12794.7	0.0	0.0	59.6	0.0	0.0	0.0	0.0	9.4
Jun	53117.5	0.0	0.0	37642.8	15474.7	0.0	0.0	51.5	0.2	0.0	0.0	0.0	12.8
Jul	89901.5	0.0	0.0	85317.1	4584.4	0.0	165.1	114.6	0.0	0.0	0.0	0.0	41.3
Aug	35137.3	0.0	0.0	33731.6	1405.7	0.0	214.3	148.1	0.0	0.0	0.0	0.0	48.5
Sep	4837.3	0.0	0.0	4641.2	109.2	87.0	174.6	40.0	0.0	0.0	0.0	0.0	179.2
Oct	19021.9	0.0	0.0	11301.0	7564.7	156.1	0.0	106.3	0.4	0.0	0.0	0.0	528.5
Nov	104165.3	0.0	0.0	79811.6	24348.4	5.3	0.0	54.5	0.0	0.6	0.0	0.0	31.5
Dec	62987.1	0.0	0.0	51284.4	11697.1	5.6	0.0	95.1	0.0	0.6	0.0	0.0	65.9
Sub-total (2018)	449532.1	0.0	0.0	368984.8	80293.2	254.0	553.9	669.7	0.5	2.4	0.0	0.5	943.7
2019													
Jan	74479.1	0.0	0.0	69249.5	5229.7	0.0	318.0	326.7	0.2	0.0	0.0	0.0	76.3
Feb	21969.9	0.0	0.0	17723.9	4246.0	0.0	16.5	55.2	0.0	0.0	0.0	0.0	26.7
Mar	19311.4	0.0	0.0	8569.4	10742.0	0.0	337.8	64.5	0.0	0.0	0.0	0.0	36.3
Apr	28559.9	0.0	0.0	21280.3	7279.6	0.0	0.0	32.6	0.0	0.8	0.0	0.0	24.9
May	45418.0	0.0	0.0	11200.6	34217.4	0.0	0.0	27.4	0.2	0.5	0.0	0.0	33.7
Jun	66763.1	0.0	0.0	24009.7	42742.5	10.9	59.2	11.9	0.0	0.9	0.0	0.0	35.3
Jul	36606.6	0.0	0.0	1632.7	34947.9	26.0	64.4	120.7	0.0	0.0	0.0	0.0	57.9
Aug	2512.9	0.0	0.0	0.0	2485.1	27.8	31.9	40.2	0.0	0.8	0.0	0.0	66.3
Sep	4103.2	0.0	0.0	0.0	4074.2	28.9	95.2	19.0	0.0	0.6	0.0	0.0	127.4
Oct	6954.9	0.0	0.0	0.0	6928.7	26.1	15.9	11.4	0.0	1.0	0.0	0.6	217.3
Sub-total (2019)	306678.9	0.0	0.0	153666.0	152893.1	119.8	938.9	709.4	0.4	4.6	0.0	0.6	702.1
Total	930442.9	0.0	0.0	541701.9	388343.8	397.2	1492.8	1900.6	2.0	8.5	0.0	12.5	1974.7

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)

Note:

- 6256.01, 6008.99 and 0.0 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137, Tuen Mun Area 38, and Chai Wan Public Fill Barging Point respectively in the reporting quarter.

G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative statistics for complaints, notifications of summons and successful prosecutions for the Project account for period starting from the date of commencement of construction works (i.e. 31 October 2015 for M+ Museum main works and 1 March 2016 for Lyric Theatre Complex) to the end of the reporting quarter and are summarized in the in the **Table G-1** and **Table G-2** below respectively.

Table G-1: Statistics for complaints, notifications of summons and successful prosecutions for M+ Museum Main Works

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of summons	Successful prosecutions
This reporting quarter	1	0	0
From 31 October 2015 to end of the reporting quarter	8	1	0

Table G-2: Statistics for complaints, notifications of summons and successful prosecutions for Lyric Theatre Complex

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of summons	Successful prosecutions
This reporting quarter	1	0	0
From 1 March 2016 to end of the reporting quarter	10	0	0