

每月天氣摘要 二零二四年四月

Monthly Weather Summary April 2024

目錄

	<u>頁</u>
1. 二零二四年四月天氣回顧	1
2. 二零二四年四月每日天氣圖	8
3. 二零二四年四月氣象觀測資料	23

Contents

	<u>Page</u>
1. Weather Review of April 2024	2
2. Daily Weather Maps for April 2024	8
3. Meteorological Observations for April 2024	23

二零二四年五月出版

香港天文台編製
香港九龍彌敦道134A

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1. 二零二四年四月天氣回顧

主要由於南海北部的海面溫度較正常暖及低層偏南氣流較正常強，二零二四年四月遠較正常溫暖。四月平均最高氣溫 28.9 度、平均氣溫 26.4 度及平均最低氣溫 24.5 度，較其各自正常值高 3.3 度、3.4 度及 3.4 度，全部皆是有記錄以來四月份的最高。受多道低壓槽影響，四月亦較正常多雨，總雨量為 257.1 毫米，較正常值 153.0 毫米多約百分之 68。本年首四個月的累積雨量為 289.5 毫米，較同期正常值 300.4 毫米少約百分之 4。

在一股偏南氣流影響下，本月首四日香港日間炎熱及短暫時間有陽光。四月一日早晚能見度頗低。四月四日錄得平均氣溫 27.2 度及最低氣溫 26.5 度，兩者皆是清明節的最高紀錄。受位於廣東的一道低壓槽影響，四月五日至七日本港大致多雲，有幾陣驟雨及雷暴。四月六日雨勢較大，新界北部及東部錄得超過 40 毫米雨量。隨著低壓槽減弱，四月八日本港驟雨逐漸減少。當日部分地區能見度頗低。

受一股清勁至強風程度的偏東氣流影響，四月九日天氣較涼及有幾陣微雨。隨著覆蓋廣東沿岸地區的雲帶逐漸轉薄，四月十日本港天氣轉為日間乾燥及部分時間有陽光。受高空反氣旋及隨後的偏南氣流影響，四月十一日至十七日本港普遍晴朗，日間炎熱。在陽光充沛的情況下，天文台氣溫於四月十三日下午上升至全月最高的 31.9 度。四月十五日初時沿岸有霧。在一道低壓槽影響下，四月十八日大致多雲，有驟雨及狂風雷暴。當日雨勢有時頗大，本港東部及新界部分地區錄得超過 30 毫米雨量。一股偏南氣流於翌日為本港帶來幾陣驟雨，而局部地區有雷暴。

位於華南北部的一道活躍低壓槽於四月二十日向南移動，並於隨後三日在廣東沿岸地區徘徊。四月二十日至二十三日本港有大驟雨及狂風雷暴。本港在這四天普遍錄得超過 100 毫米雨量，而北區、大埔區、荃灣區及西貢區的雨量更超過 200 毫米。在有雨的情況下，天文台氣溫於四月二十一日下降至全月最低的 21.5 度，亦是有記錄以來四月絕對最低氣溫的最高紀錄。此外，當日早上清水灣附近出現水龍捲。隨著低壓槽移至香港以南及一股偏東氣流逐漸影響廣東沿岸地區，四月二十四日本港驟雨減少。

四月二十五日至二十八日低壓槽再度在廣東沿岸徘徊，本港天氣轉為不穩定，間中有驟雨及狂風雷暴。四月二十六日雨勢特別大，本港普遍錄得超過 30 毫米雨量，而西貢區及沙田區的雨量更超過 100 毫米。此外，四月二十七日錄得平均氣溫 28.8 度及最低氣溫 27.7 度，兩者皆是有記錄以來四月的最高。在一股偏南氣流影響下，四月二十九日日間短暫時間有陽光及炎熱。本月最後一日日間短暫時間有陽光，但受與低壓槽相關的強雷雨區影響，當晚天氣轉壞，有大驟雨及強烈狂風雷暴。本港多處錄得約 30 毫米雨量。元朗有冰雹報告。大澳亦曾錄得每小時約 110 公里的猛烈陣風。香港仔有樹木倒塌，壓毀一輛的士。

二零二四年四月沒有熱帶氣旋在南海及北太平洋西部出現。

本月有十三班航機因惡劣天氣須轉飛其他地方。表 1.1 載列本月發出及取消各種警告/信號的詳情。



1. The Weather of April 2024

Mainly attributing to the warmer than normal sea surface temperature and stronger than usual southerly flow in the lower atmosphere over the northern part of the South China Sea, April 2024 was much warmer than usual. The monthly mean maximum temperature of 28.9 degrees, monthly mean temperature of 26.4 degrees and monthly mean minimum temperature of 24.5 degrees were 3.3 degrees, 3.4 degrees and 3.4 degrees above their corresponding normals and all of them were the highest on record for April. Affected by a number of troughs of low pressure, the month was also wetter than usual with a total rainfall of 257.1 millimetres, about 68 percent more than the normal figure of 153.0 millimetres. The accumulated rainfall recorded in the first four months of the year was 289.5 millimetres, about 4 percent below the normal figure of 300.4 millimetres for the same period.

Under the influence of a southerly airstream, the weather was hot with sunny intervals during the day in Hong Kong on the first four days of the month. The visibility was rather low in the morning and at night on 1 April. The daily mean temperature of 27.2 degrees and daily minimum temperature of 26.5 degrees on 4 April were both the highest on record for Ching Ming Festival. Affected by a trough of low pressure over Guangdong, local weather was mainly cloudy with a few showers and thunderstorms on 5 – 7 April. The showers were heavier on 6 April with more than 40 millimetres of rainfall recorded over the northern and the eastern parts of the New Territories. With the weakening of the trough of low pressure, showers eased off gradually in Hong Kong on 8 April. The visibility was also rather low in some areas.

Under the influence of a fresh to strong easterly airstream, it was relatively cooler with a few light rain patches on 9 April. With the band of clouds covering the coastal areas of Guangdong thinning out gradually, local weather became dry with sunny periods during the day on 10 April. Affected by an anticyclone aloft and the subsequent southerly airstream, it was generally fine and hot during the day on 11 – 17 April. With plenty of sunshine, the temperatures at the Observatory rose to a maximum of 31.9 degrees on the afternoon of 13 April, the highest of the month. There was also coastal fog at first on 15 April. Under the influence of a trough of low pressure, it was mainly cloudy with showers and squally thunderstorms on 18 April. The showers were heavy at times and more than 30 millimetres of rainfall were recorded over the eastern part of the territory and parts of the New Territories. A southerly airstream brought a few showers and isolated thunderstorms to Hong Kong on the next day.

An active trough of low pressure over the northern part of south China edged south on 20 April and lingered along the coastal areas of Guangdong in the next three days. There were heavy showers and squally thunderstorms in Hong Kong on 20 – 23 April. More than 100 millimetres of rainfall were generally recorded over the territory and rainfall even exceeded 200 millimetres over North, Tai Po, Tsuen Wan and Sai Kung Districts on these four days. Under the rain, temperatures at the Observatory dropped to a minimum of 21.5 degrees on 21 April, the lowest of the month but the highest monthly absolute minimum temperature on record for April. Moreover, waterspout was spotted near Clear Water Bay on that morning. With the trough of low pressure shifting to the south of Hong Kong and the onset of an easterly airstream over the coastal areas of Guangdong, local showers abated on 24 April.

The trough of low pressure returned and lingered over the coast of Guangdong again on 25 – 28 April. The weather of Hong Kong became unsettled with occasional showers and squally thunderstorms. The showers were particularly heavy on 26 April. More than 30 millimetres of rainfall were generally recorded over the territory and rainfall even exceeded 100 millimetres over Sai Kung and Sha Tin Districts on that day. Besides, the daily mean temperature of 28.8 degrees and daily minimum temperature of 27.7 degrees on 27 April were both the highest on record for April. Under the influence of a southerly airstream, local weather was hot with sunny intervals during the day on 29 April. While there were sunny intervals during the day on the last day of the month, affected by an area of intense thundery showers associated with a trough of low pressure, the weather deteriorated with outbreaks of heavy showers and severe squally thunderstorms that night. About 30 millimetres of rainfall were recorded over many places of the territory. Hail was reported at Yuen Long. Violent gusts of around 110 kilometres per hour were once recorded at Tai O. A taxi in Aberdeen was damaged by a fallen tree.

There was no tropical cyclone over the South China Sea and the western North Pacific in April 2024.

During the month, thirteen aircrafts were diverted due to adverse weather. Details of the issuance and cancellation of various warnings/signals in the month are summarized in Table 1.1.

表 1.1 二零二四年四月發出的警告及信號

Table 1.1 Warnings and Signals issued in April 2024

強烈季候風信號

Strong Monsoon Signal

開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour
6/4	0725	6/4	1345
28/4	0655	28/4	1345

暴雨警告信號

Rainstorm Warnings

顏色 Colour	開始時間 Beginning Time		終結時間 Ending Time	
	日/月 day/month	時 hour	日/月 day/month	時 hour
黃色 Amber	18/4	1300	18/4	1405
黃色 Amber	20/4	1935	20/4	2230
黃色 Amber	21/4	1000	21/4	1345
黃色 Amber	23/4	0830	23/4	1250
黃色 Amber	26/4	0835	26/4	1345
黃色 Amber	30/4	2130	30/4	2300

火災危險警告

Fire Danger Warnings

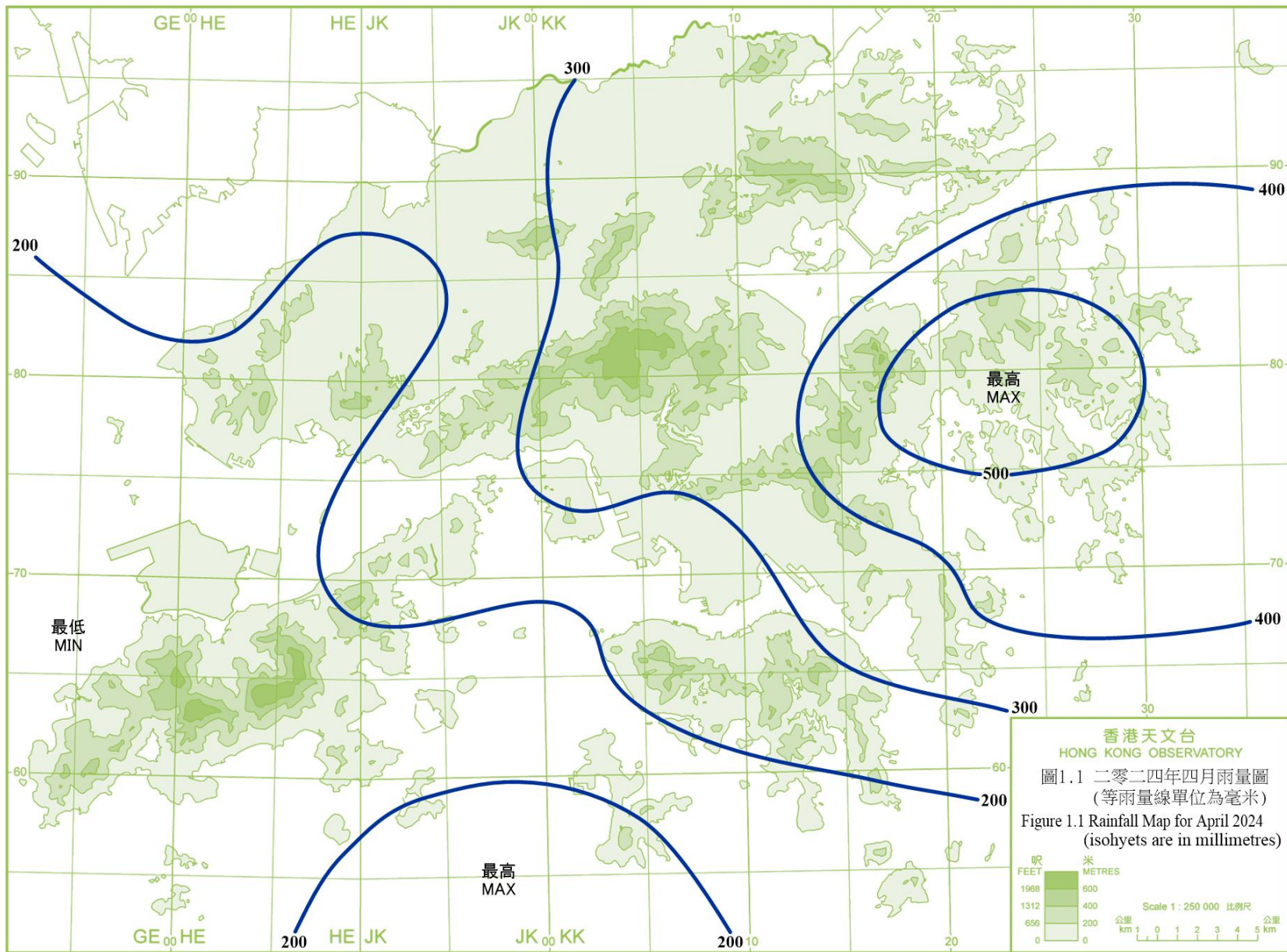
顏色 Colour	開始時間 Beginning Time		終結時間 Ending Time	
	日/月 day/month	時 hour	日/月 day/month	時 hour
黃色 Yellow	1/4	0600	1/4	1800
黃色 Yellow	4/4	0600	4/4	1800
黃色 Yellow	13/4	0745	13/4	1800
黃色 Yellow	14/4	0600	14/4	1800

雷暴警告

Thunderstorm Warning

開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour
5/4	1404	5/4	1515
6/4	1019	6/4	1530
7/4	1400	7/4	1630
18/4	0726	18/4	1530
19/4	0257	19/4	0400
19/4	1200	19/4	1500
19/4	2005	19/4	2230
20/4	1515	21/4	0015
21/4	0840	21/4	2230
22/4	0815	22/4	0905
22/4	1230	22/4	1630
22/4	2025	22/4	2315
23/4	0445	23/4	1530

開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour
24/4	2100	24/4	2330
25/4	0120	25/4	0700
25/4	0815	25/4	1330
25/4	1545	25/4	1645
26/4	0150	26/4	0315
26/4	0530	26/4	1530
26/4	1925	26/4	2200
27/4	1137	27/4	1300
27/4	2210	28/4	0930
28/4	1040	28/4	1530
30/4	1635	30/4	1845
30/4	1917	1/5	1300



香港天文台
HONG KONG OBSERVATORY

圖1.1 二零二四年四月雨量圖
(等雨量線單位為毫米)

Figure 1.1 Rainfall Map for April 2024
(isohyets are in millimetres)

呎 FEET	米 METRES
1968	600
1312	400
656	200
0	0

Scale 1 : 250 000 比例尺

公里 km 1 0 1 2 3 4 5 km



圖 1.2

2024 年 4 月 21 日早上清水灣附近的水龍捲

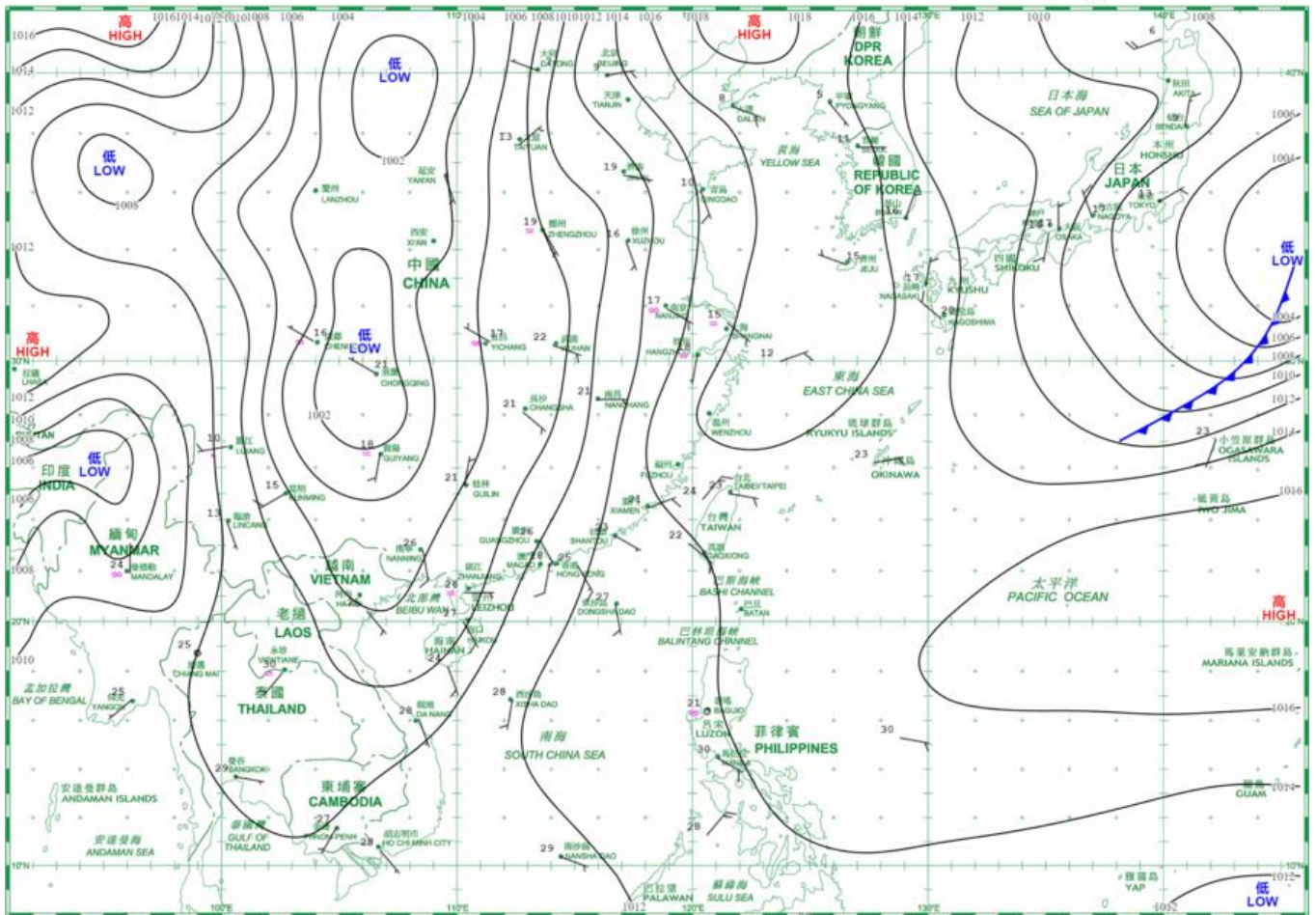
Figure 1.2

Waterspout near Clear Water Bay on the morning of 21 April 2024

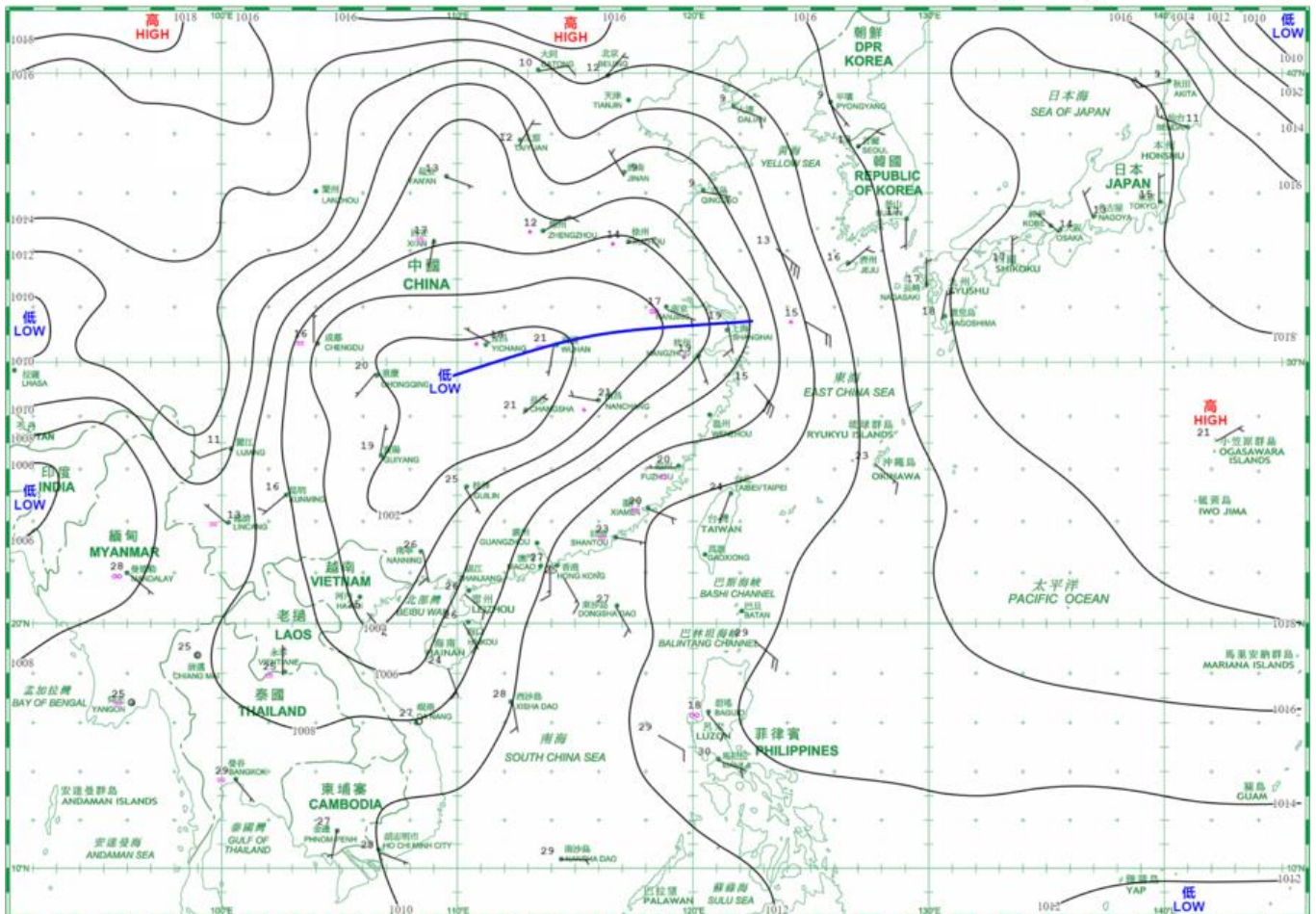
2. 二零二四年四月每日天氣圖









2. Daily Weather Maps for April 2024

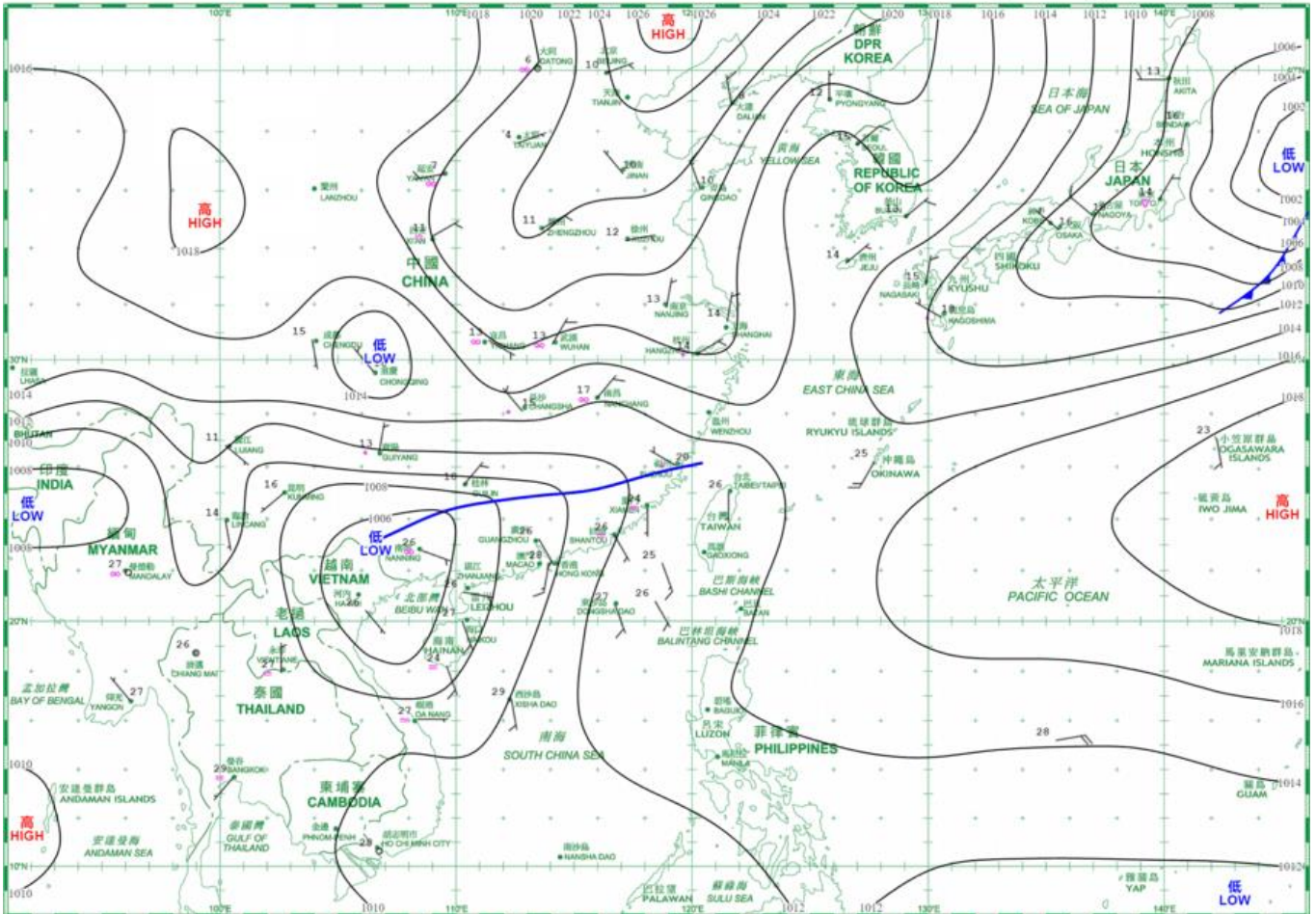
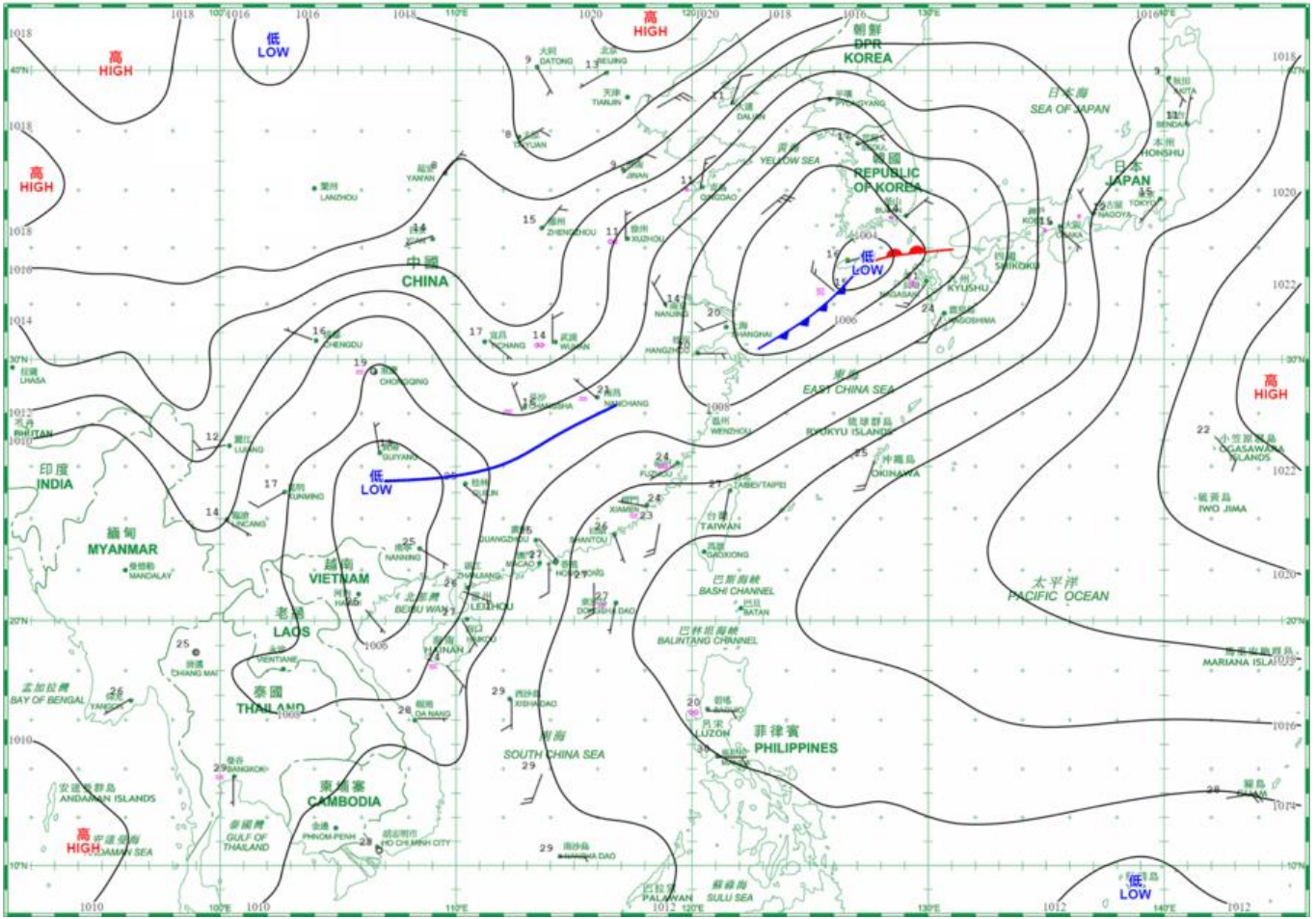
日期/Date: 01.04.2024 香港時間/HK Time: 08:00 香港天文台 Hong Kong Observatory

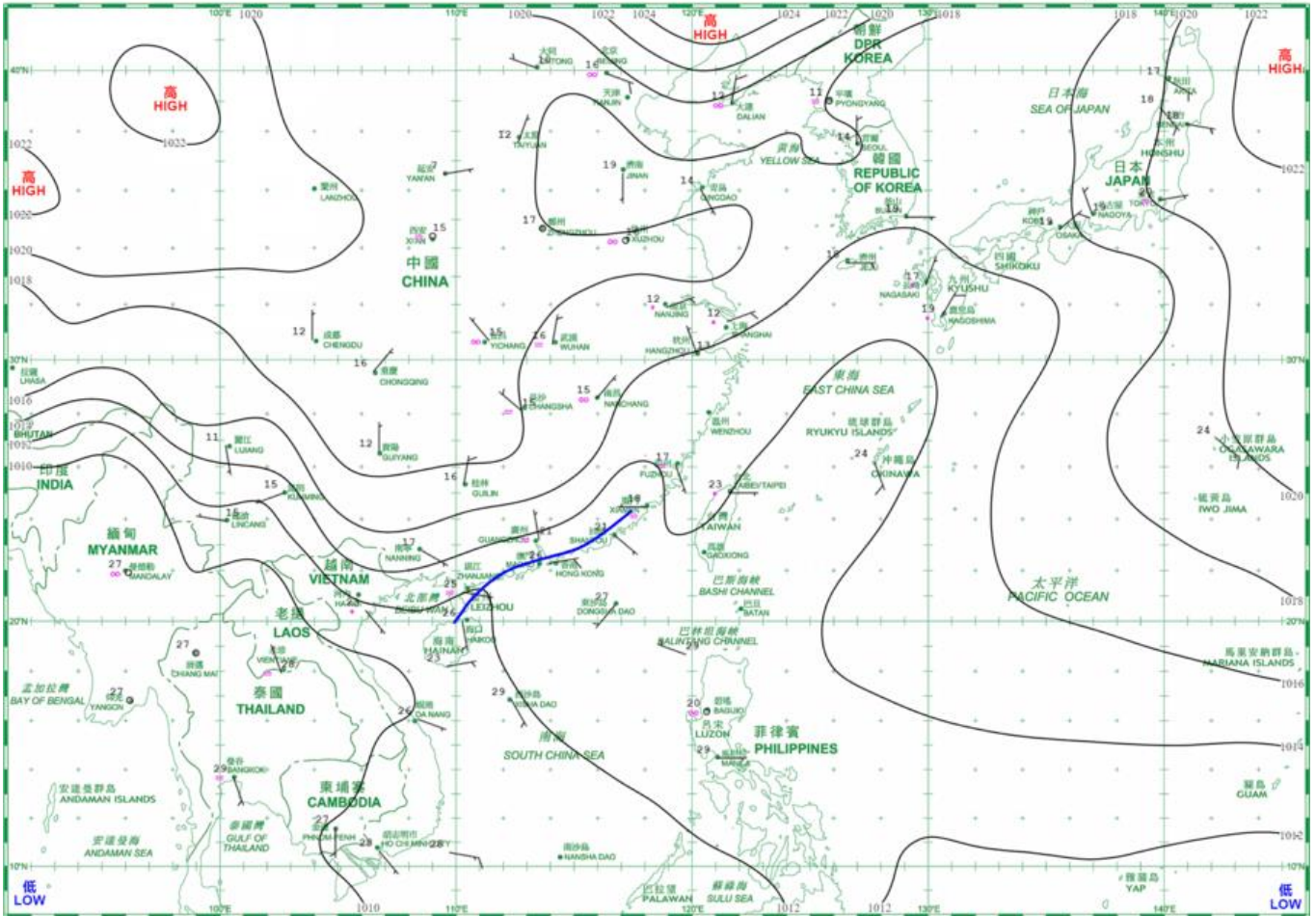
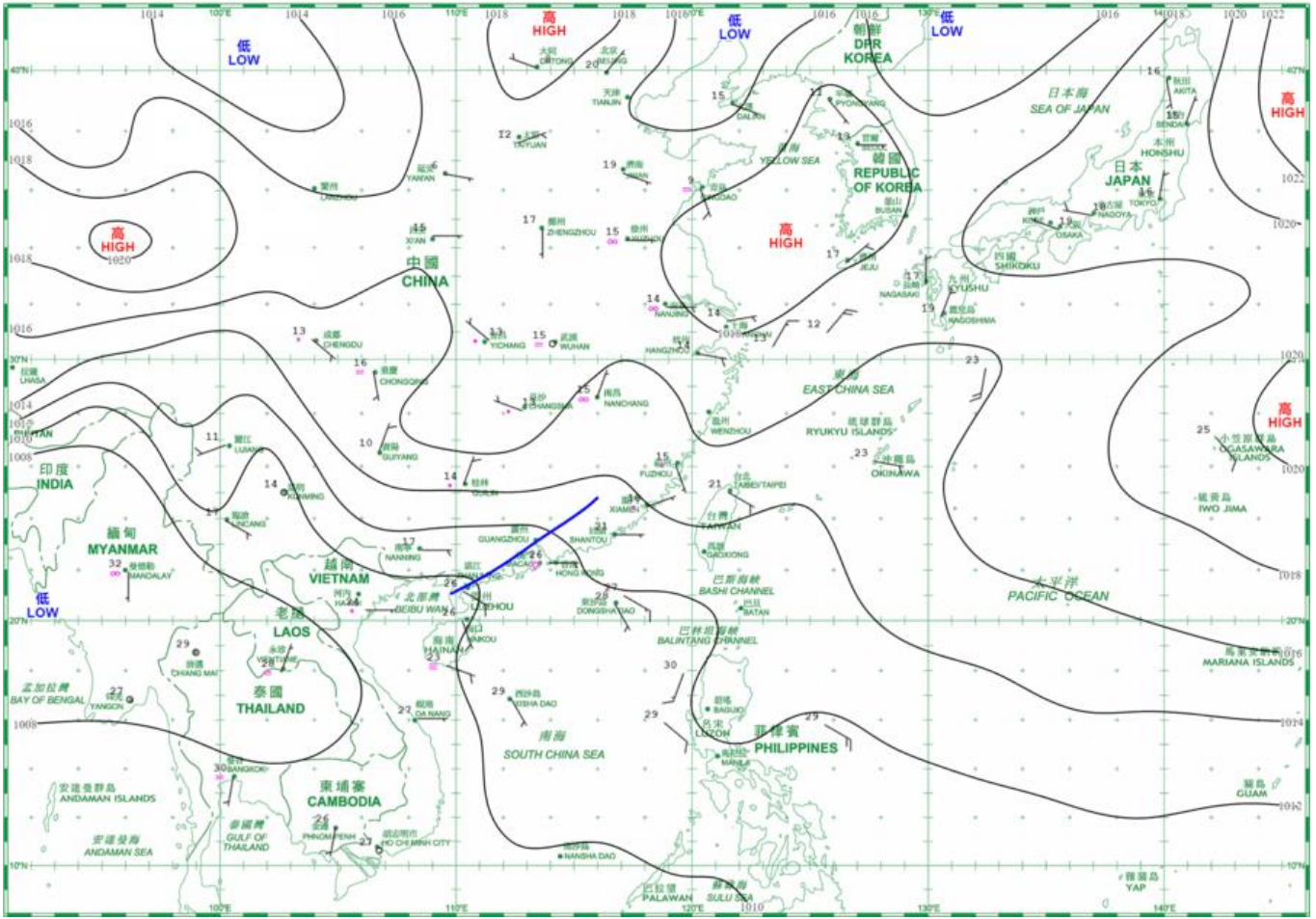


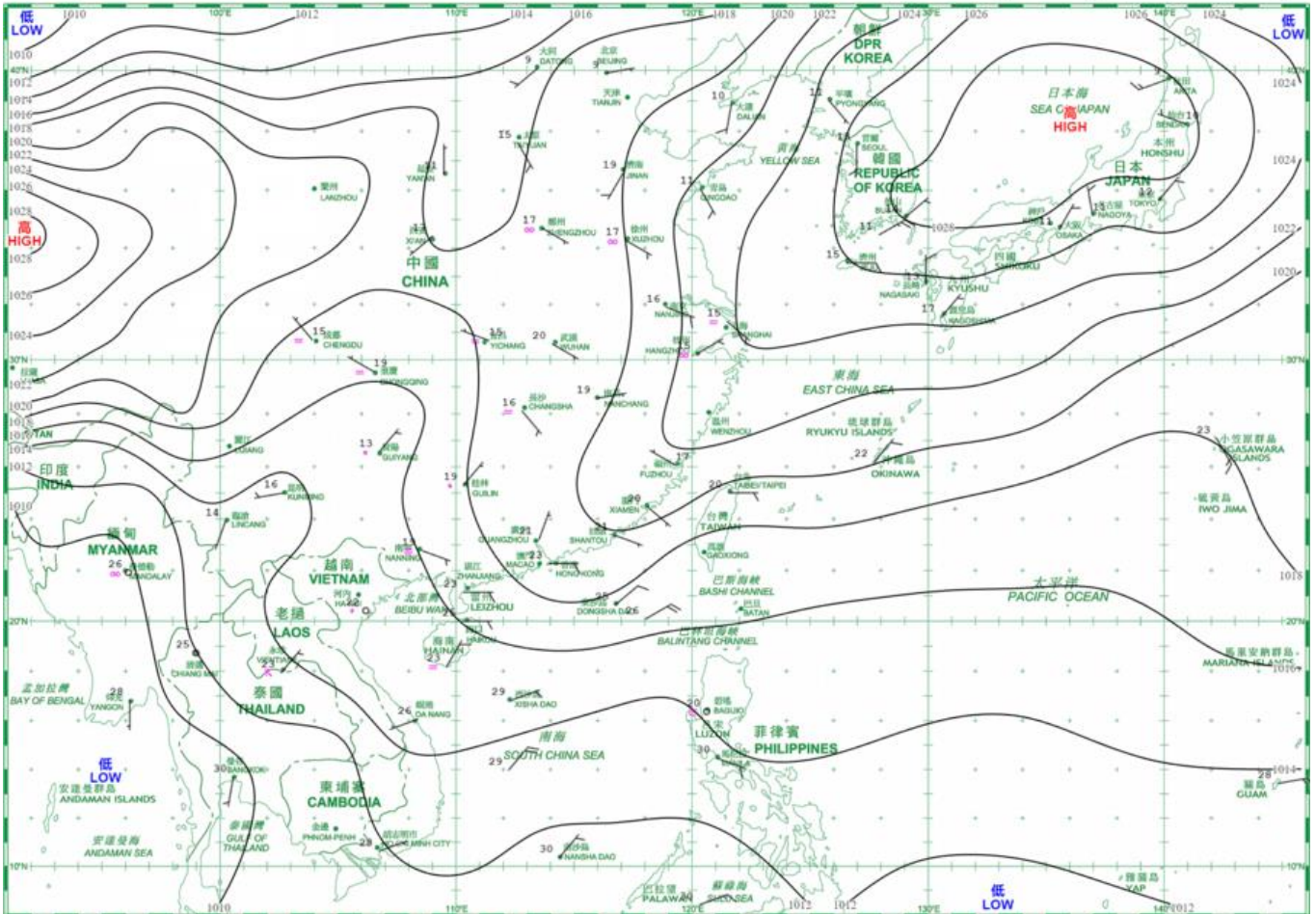
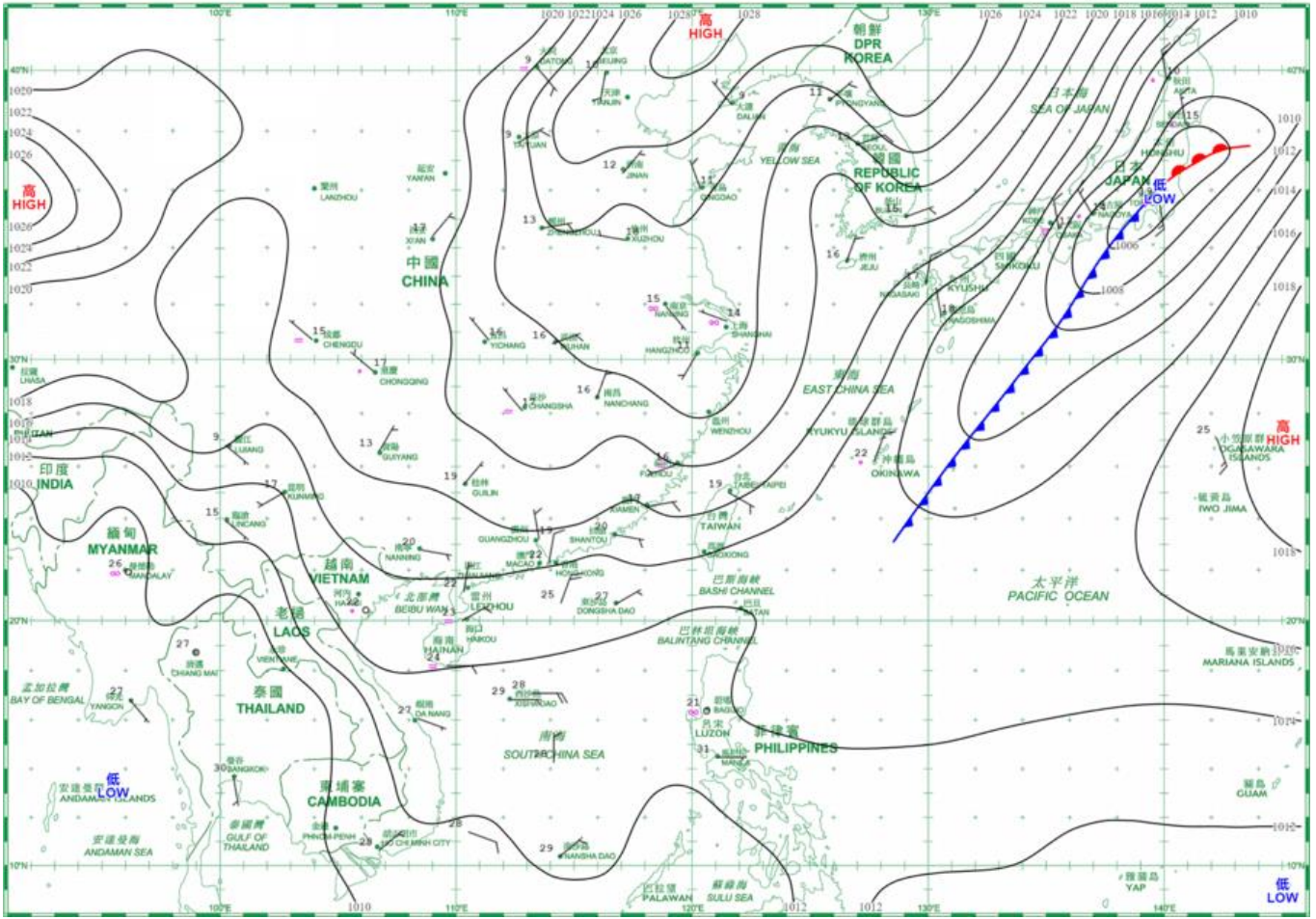
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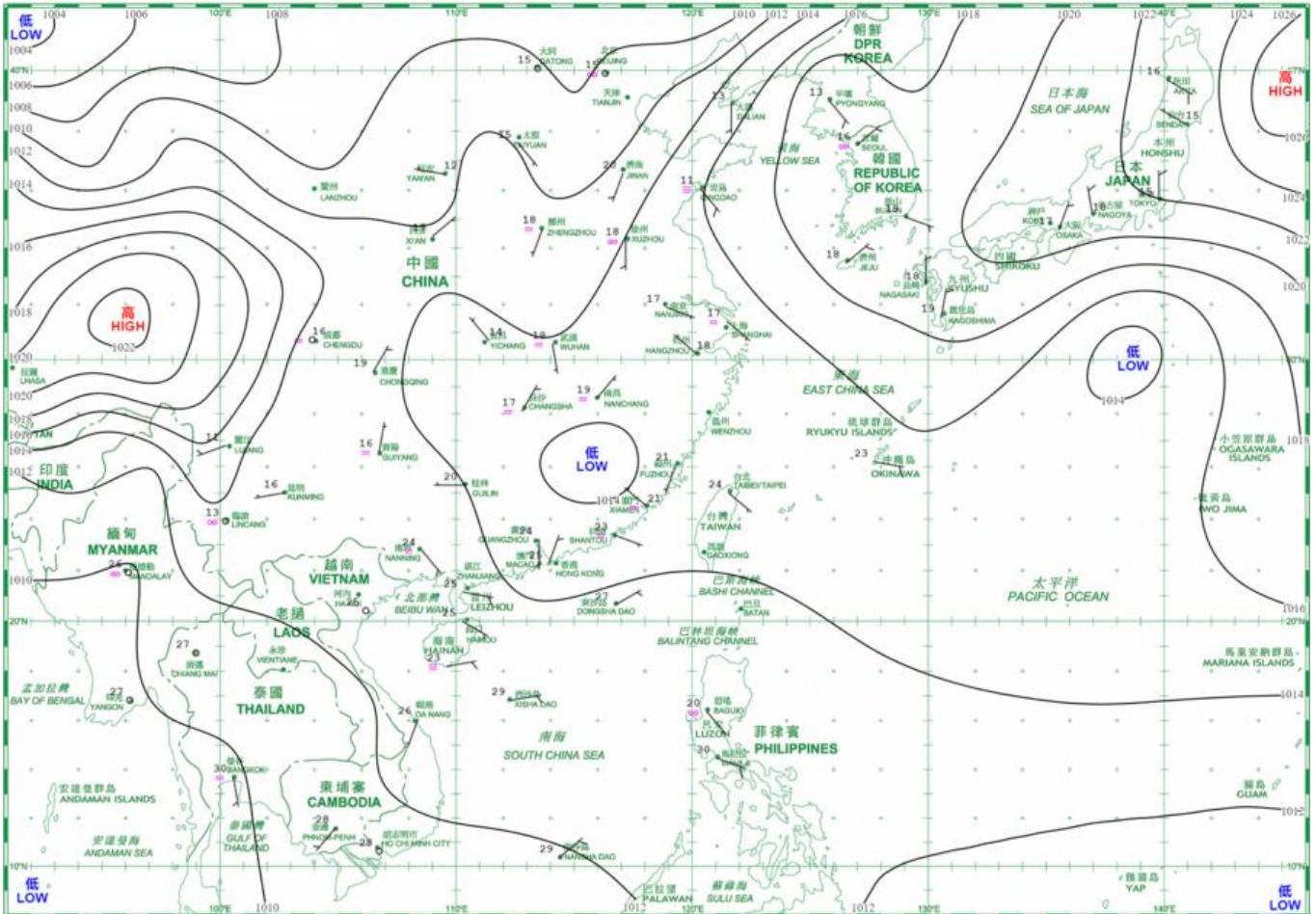
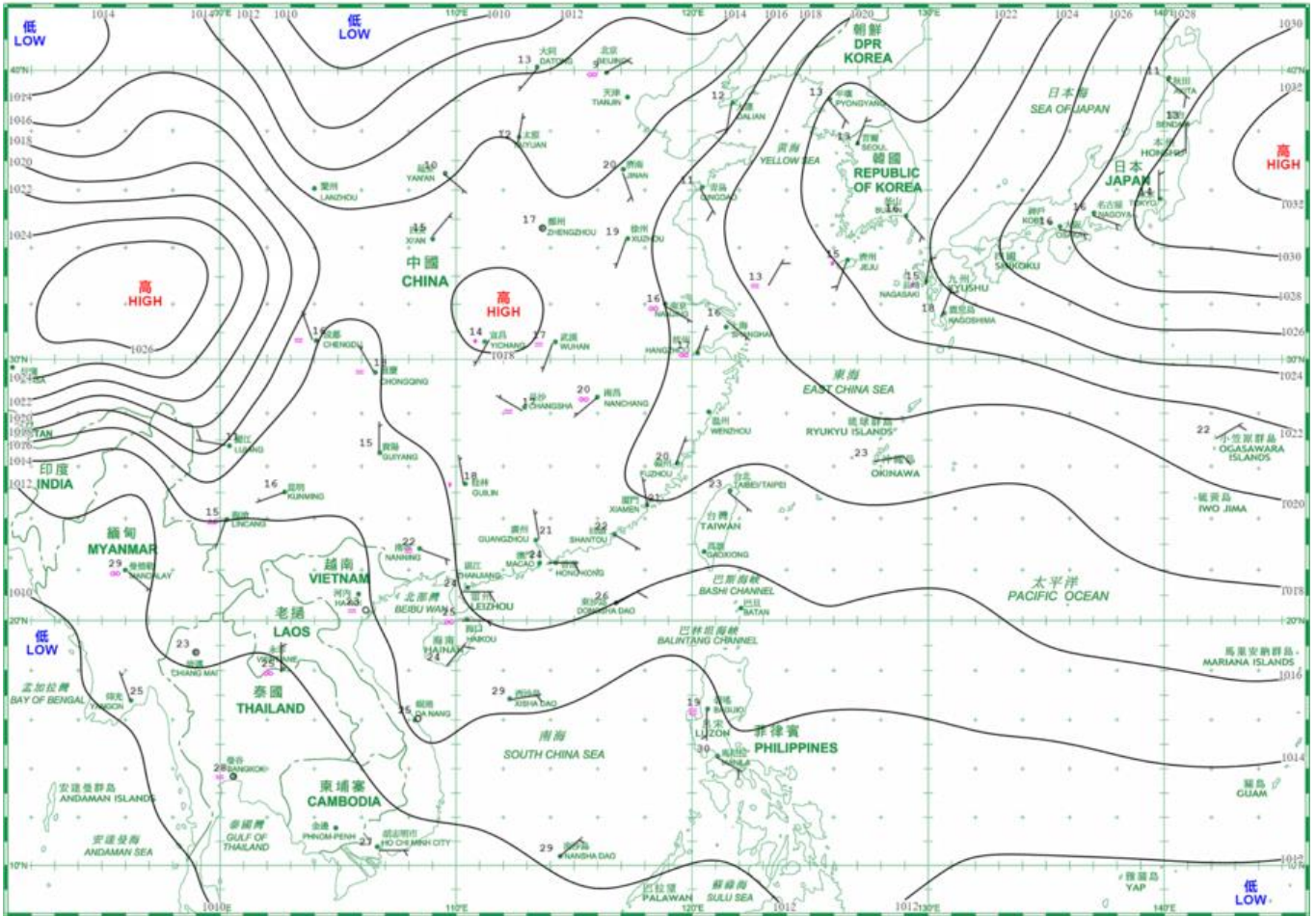


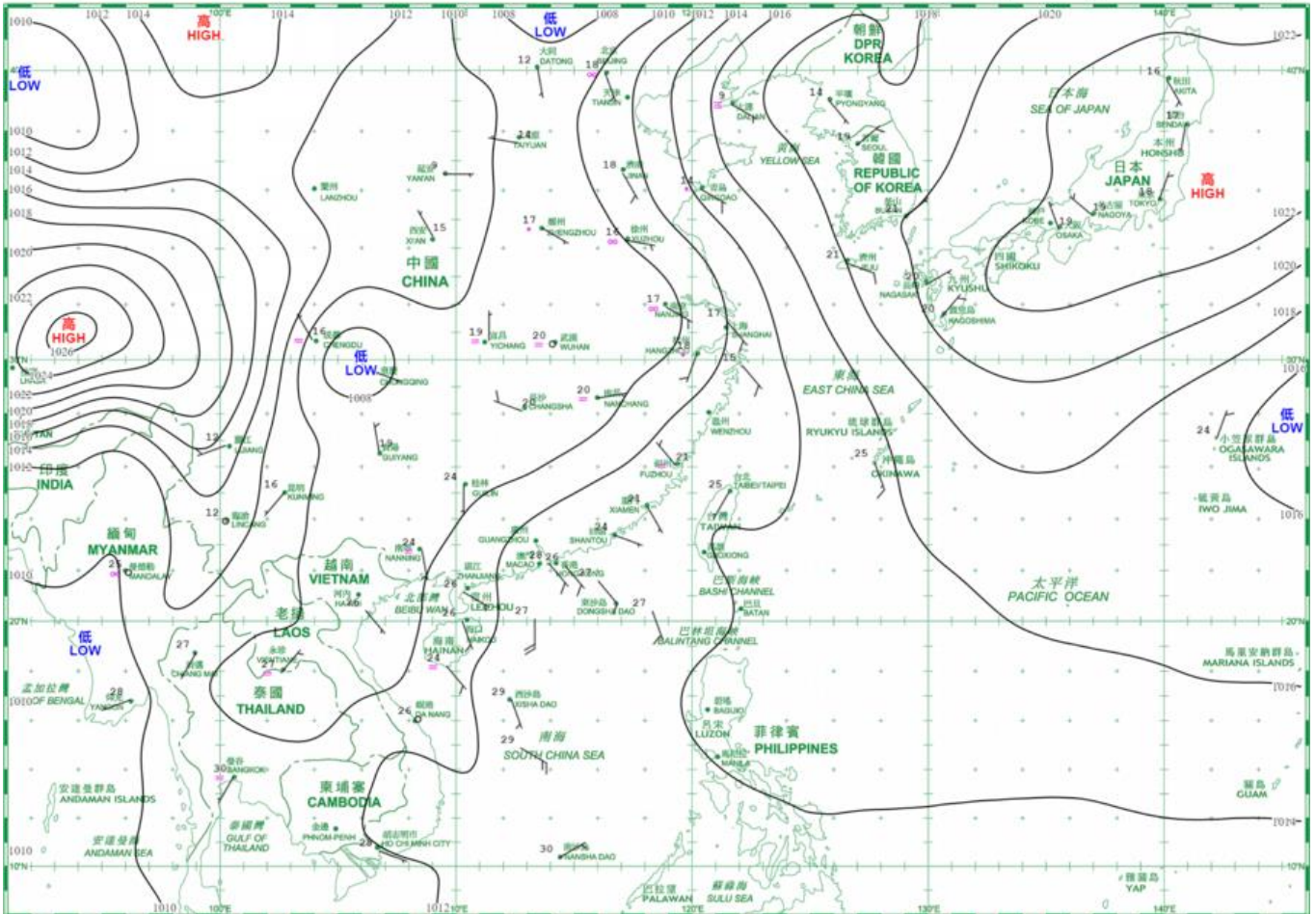
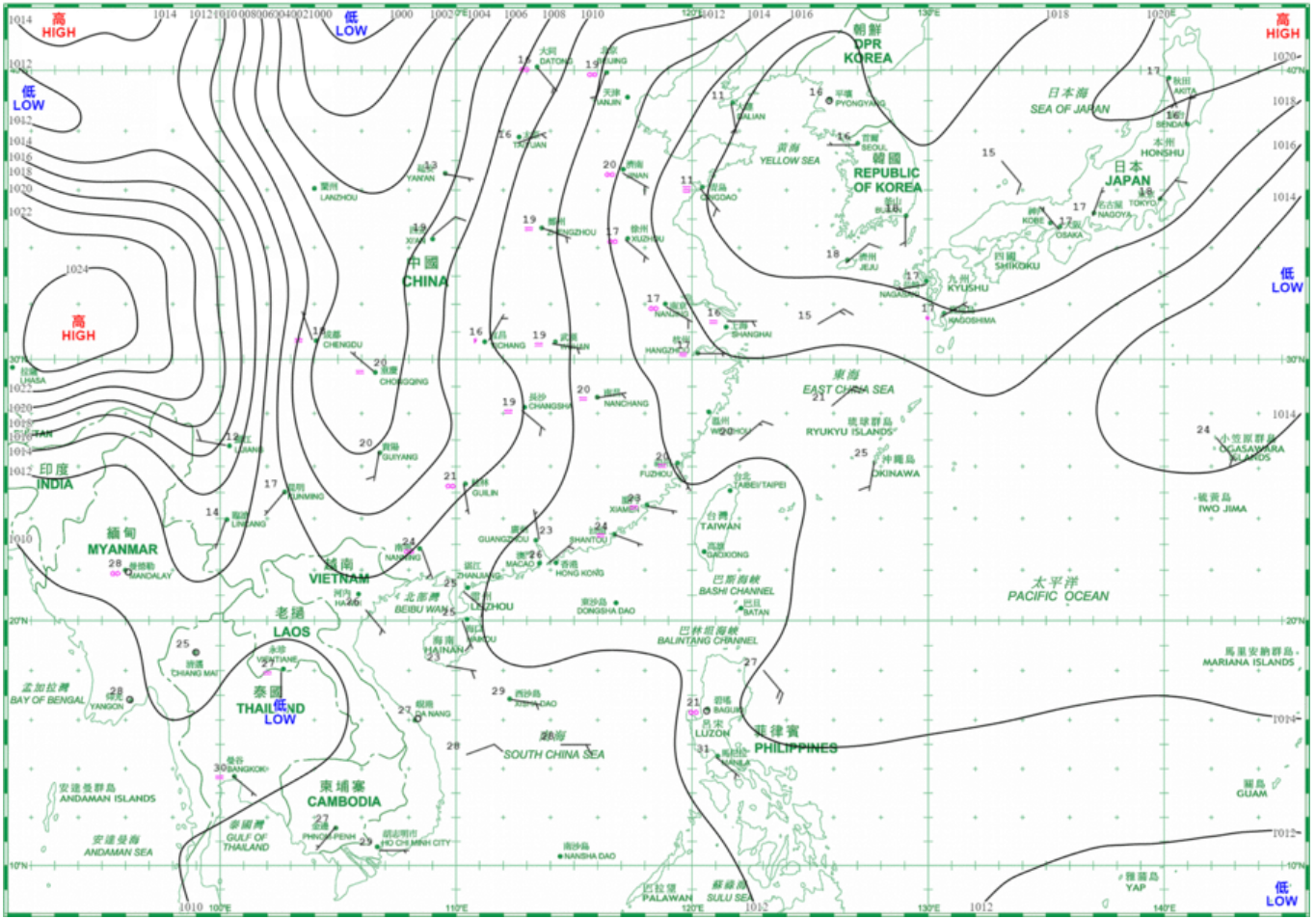
 等壓線 Isobar(hPa)
  暖鋒 Warm Front
  靜止鋒 Stationary Front
  消散中的冷鋒 Dissipating Cold Front
 冷鋒 Cold Front
  錮囚鋒 Occlusion
  槽軸(線) Axis of Trough
  熱帶氣旋中心 Centre of Tropical Cyclone

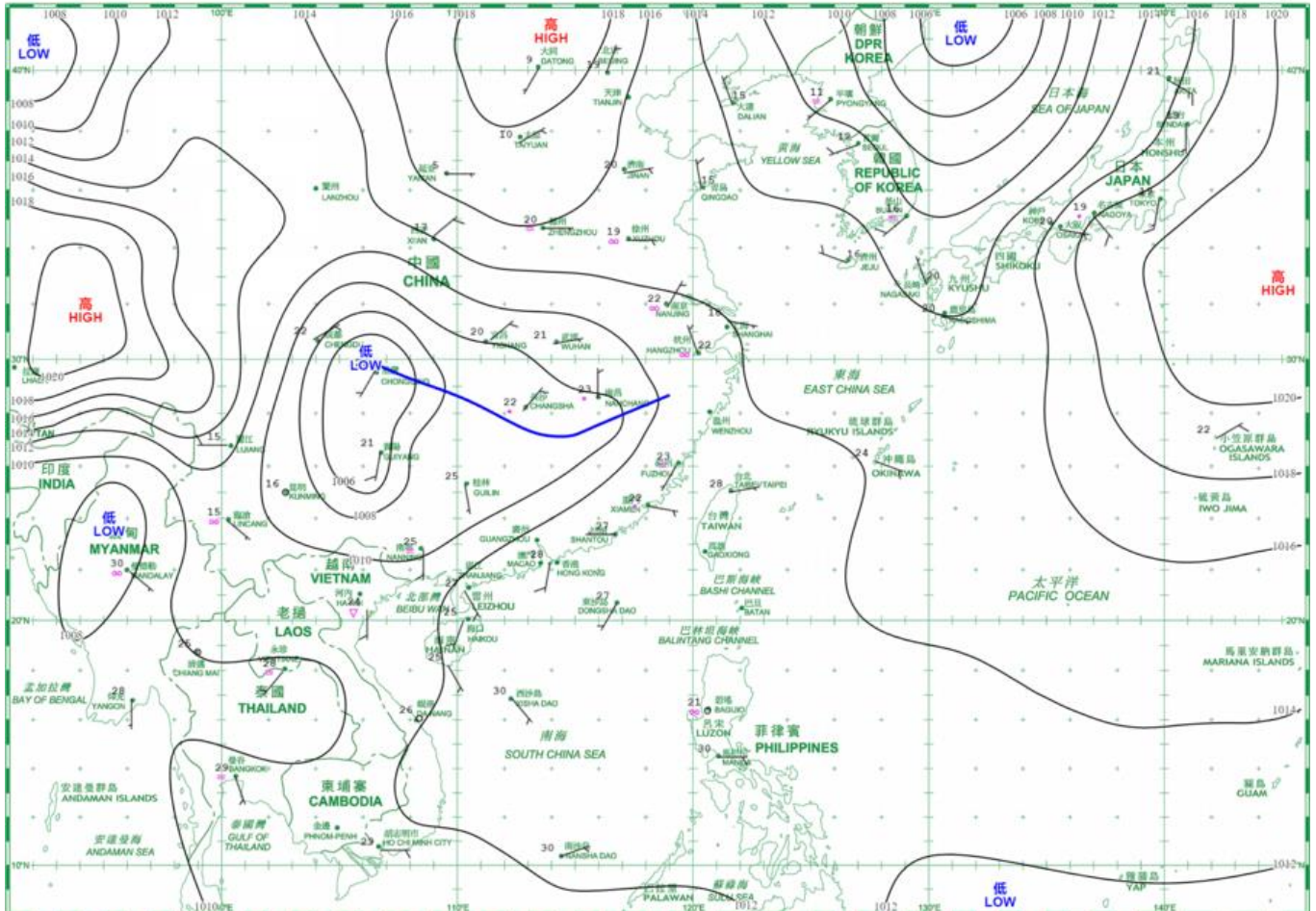
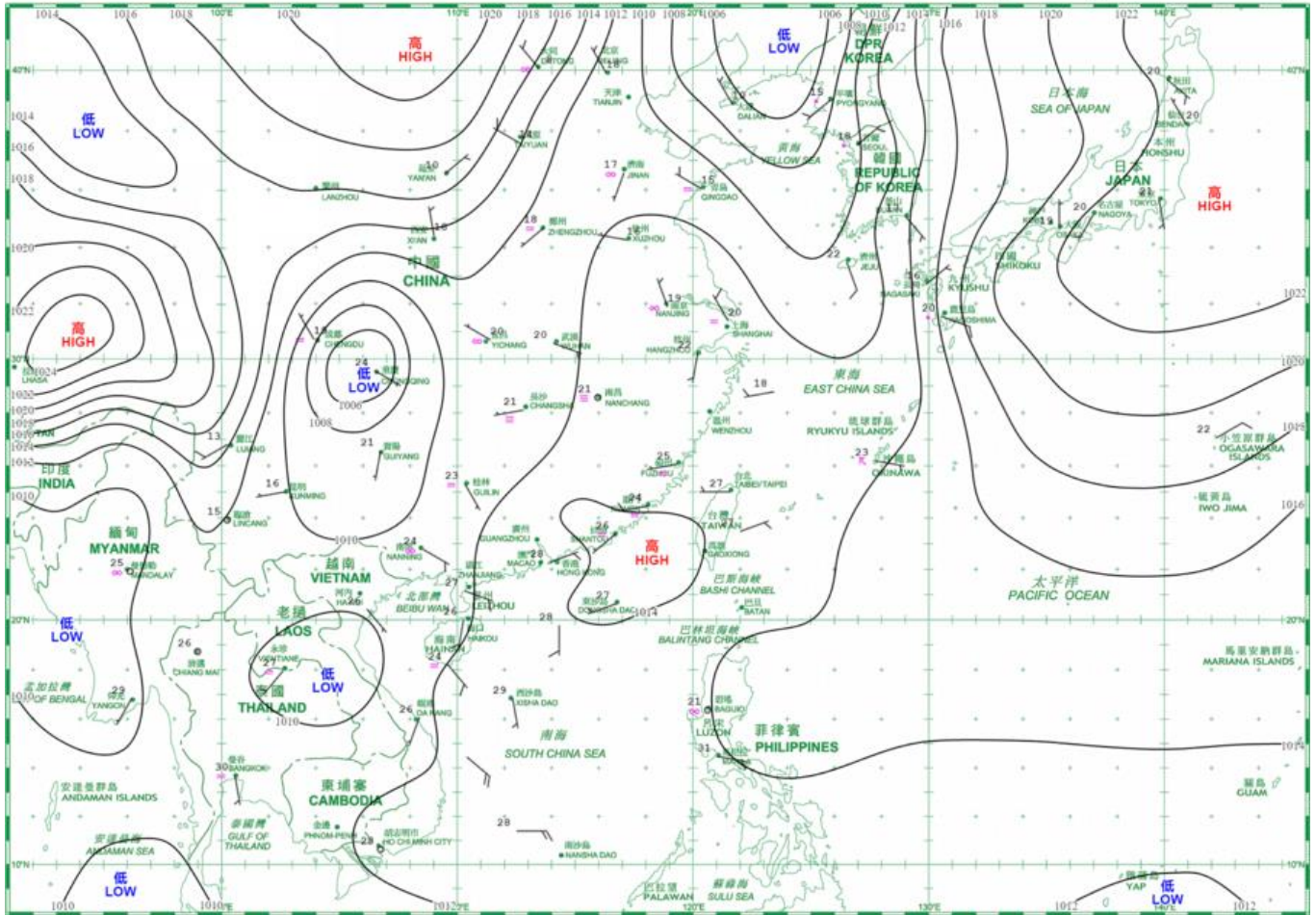


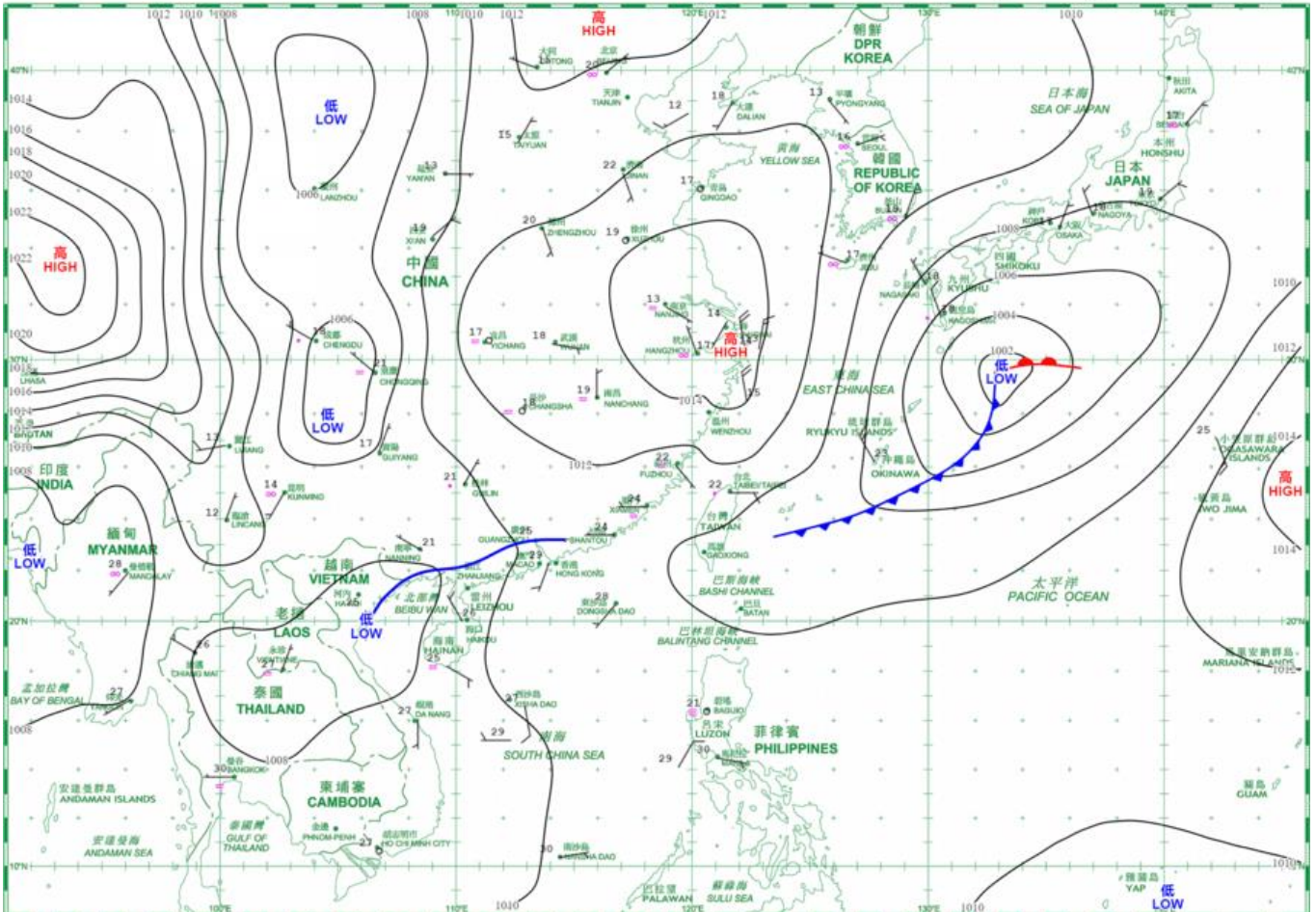
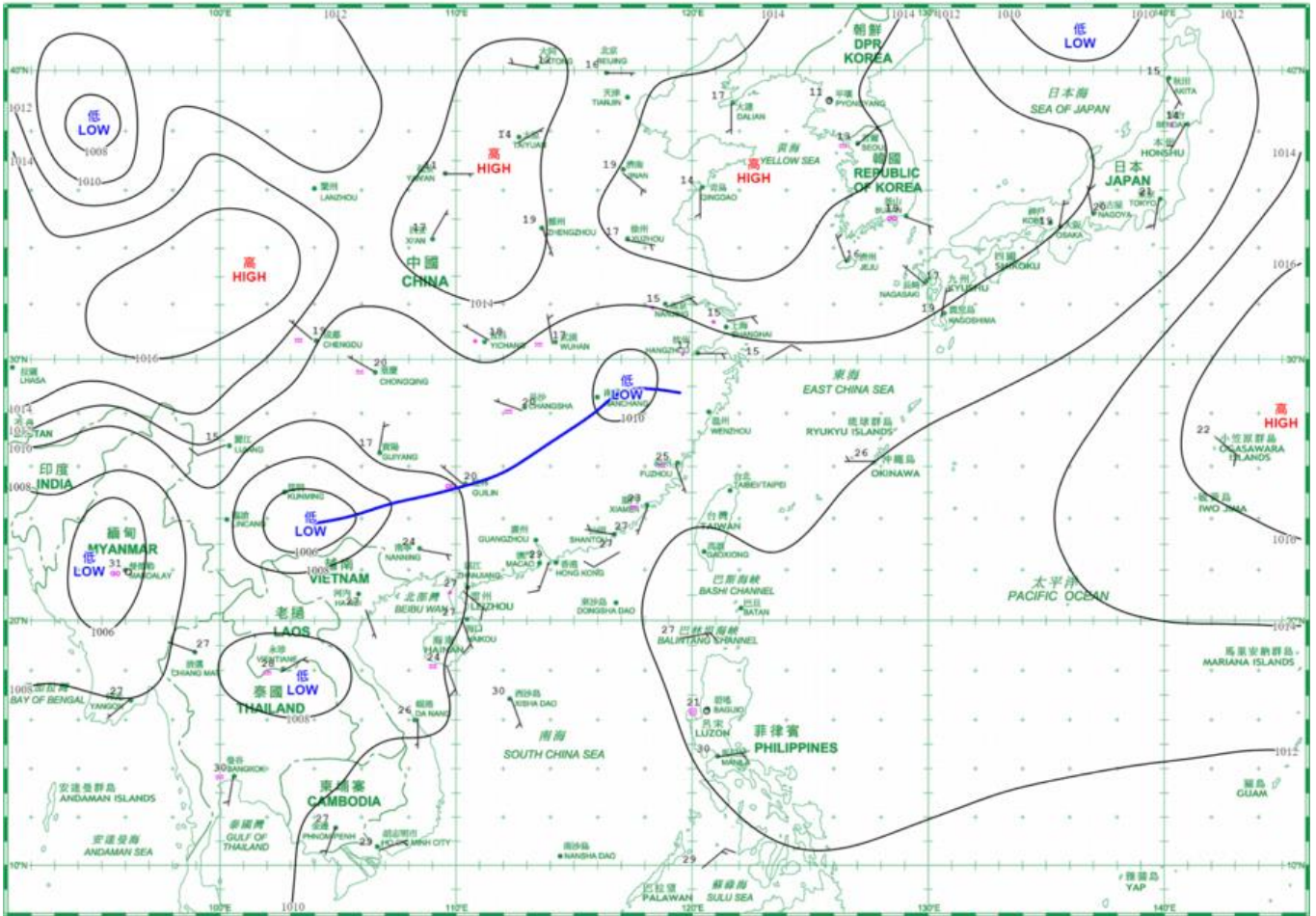


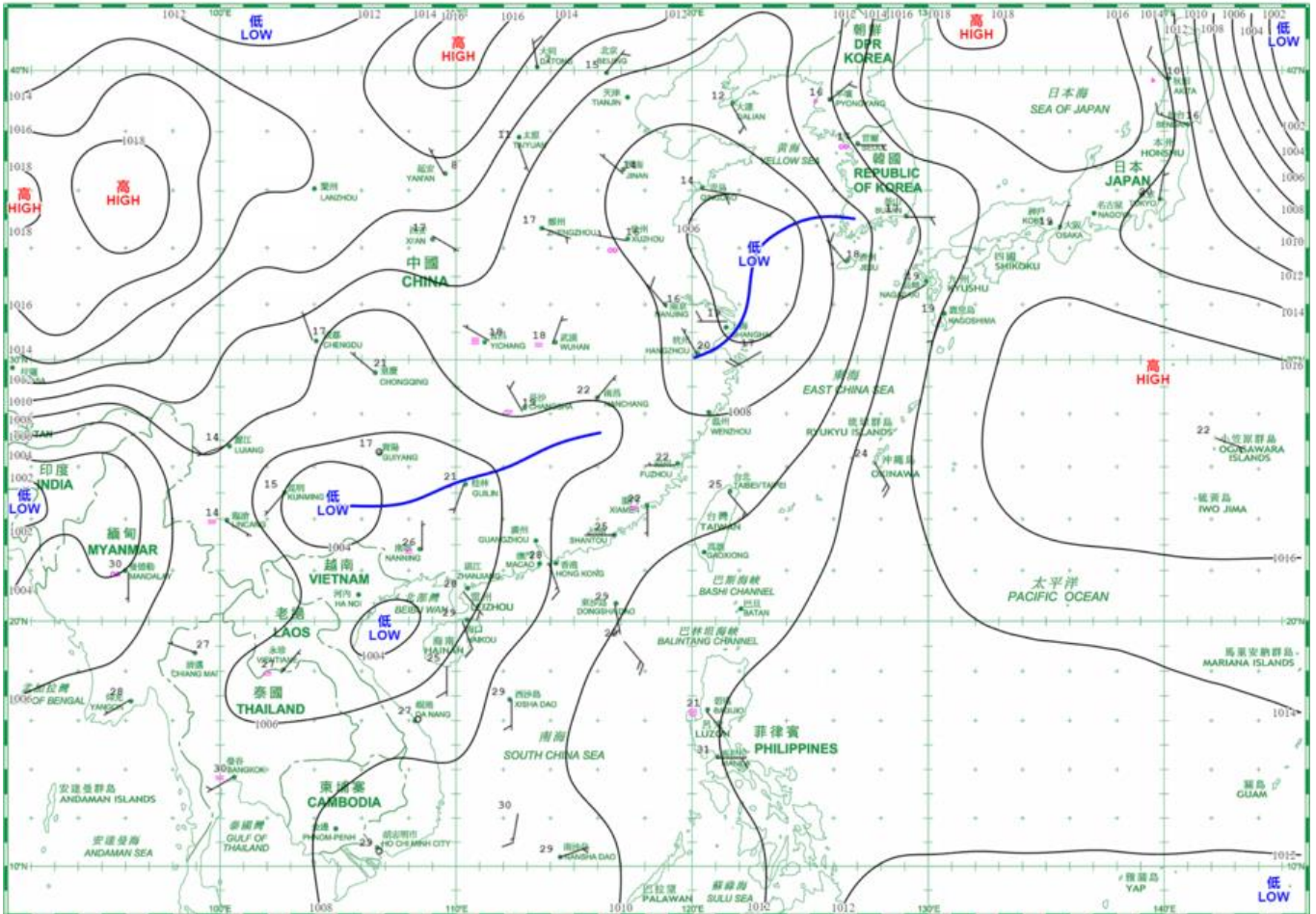
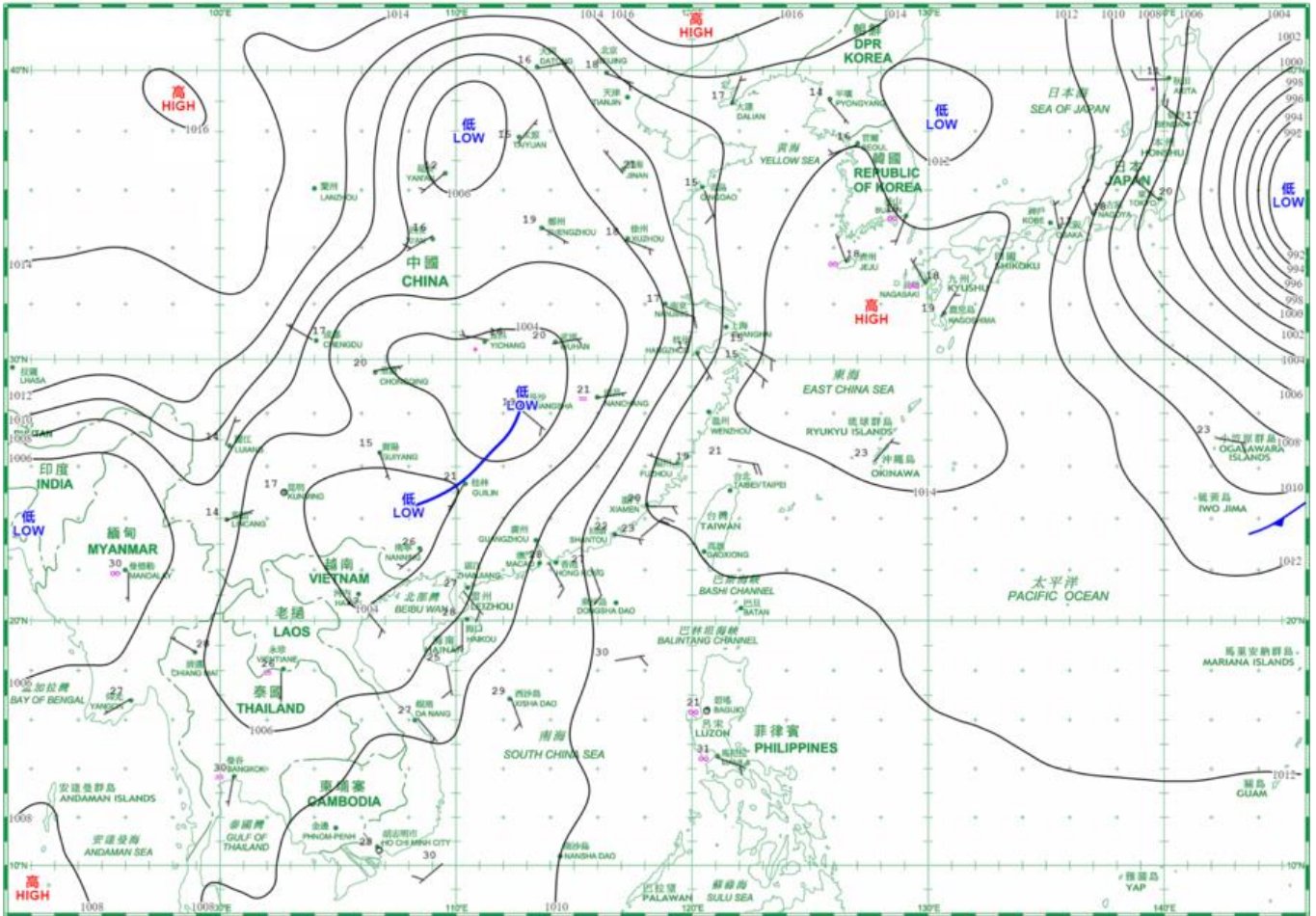


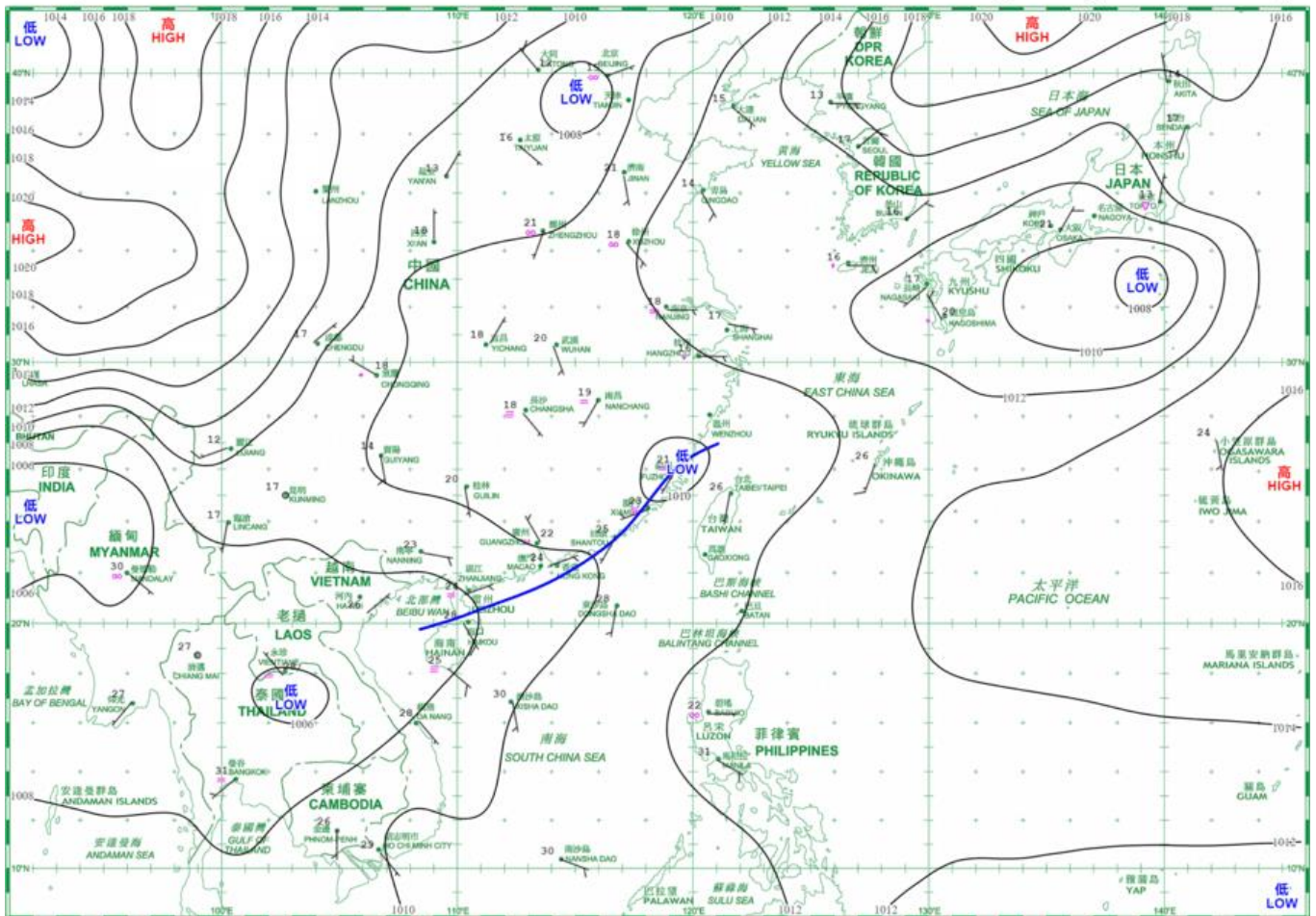
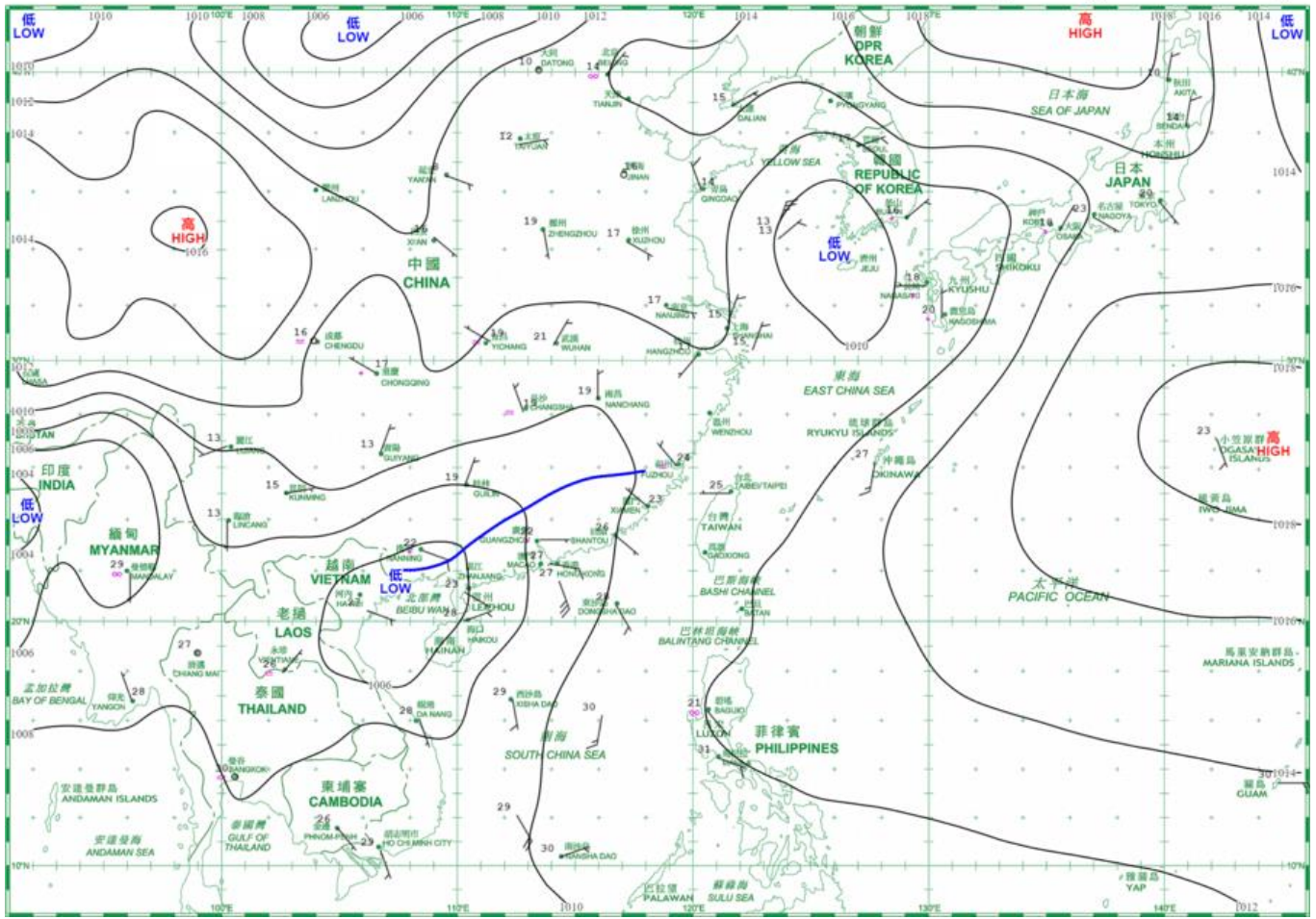


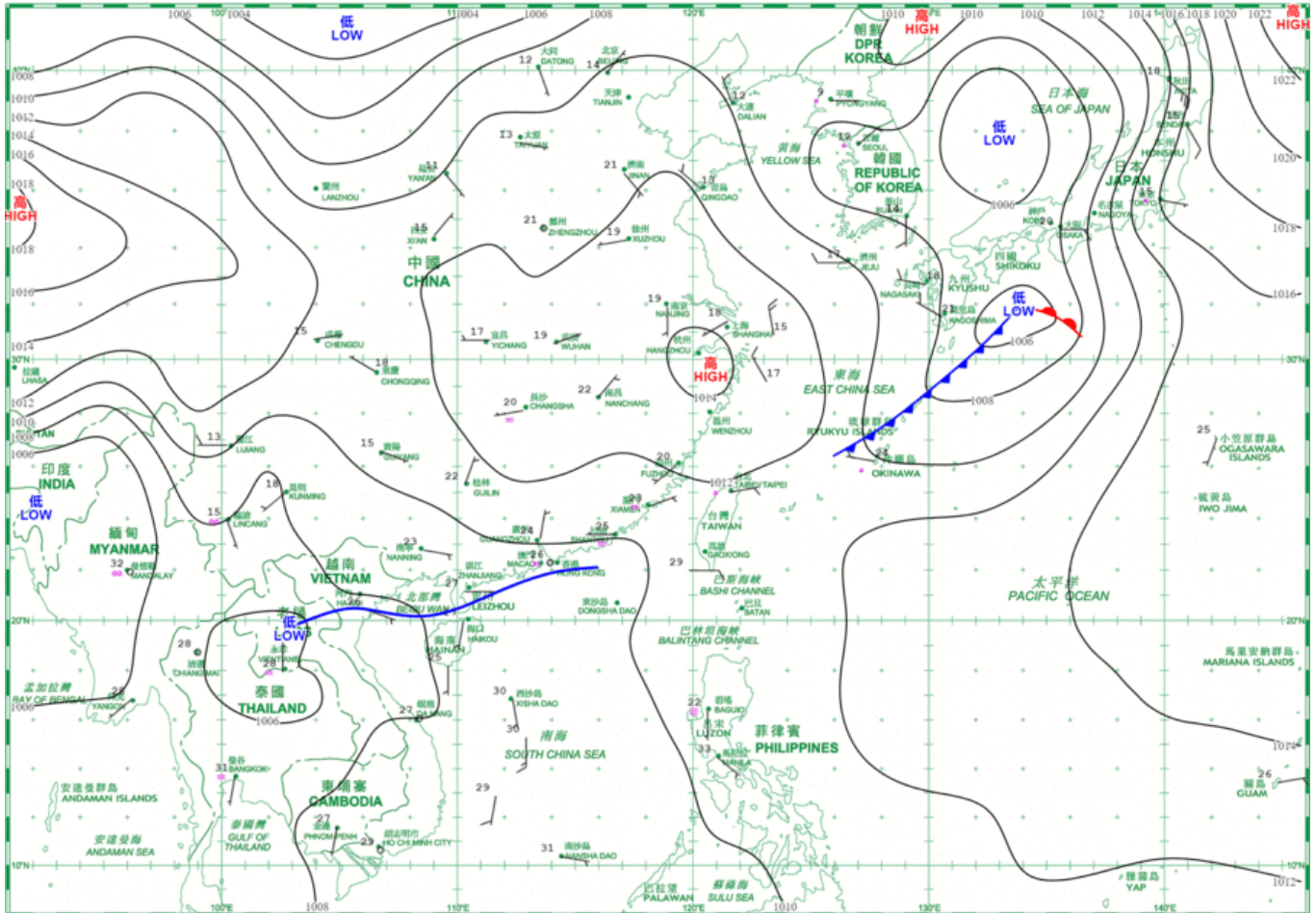
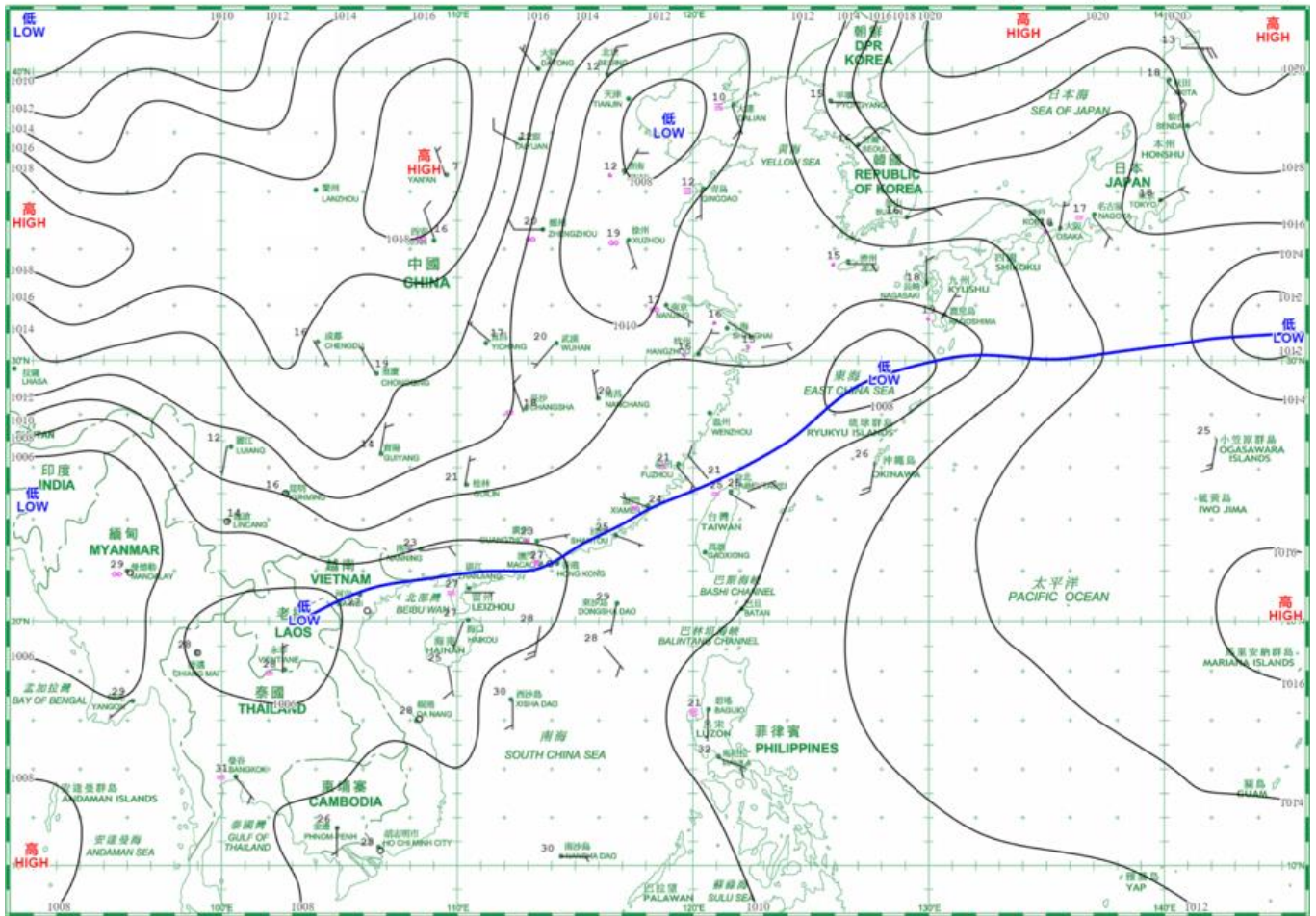


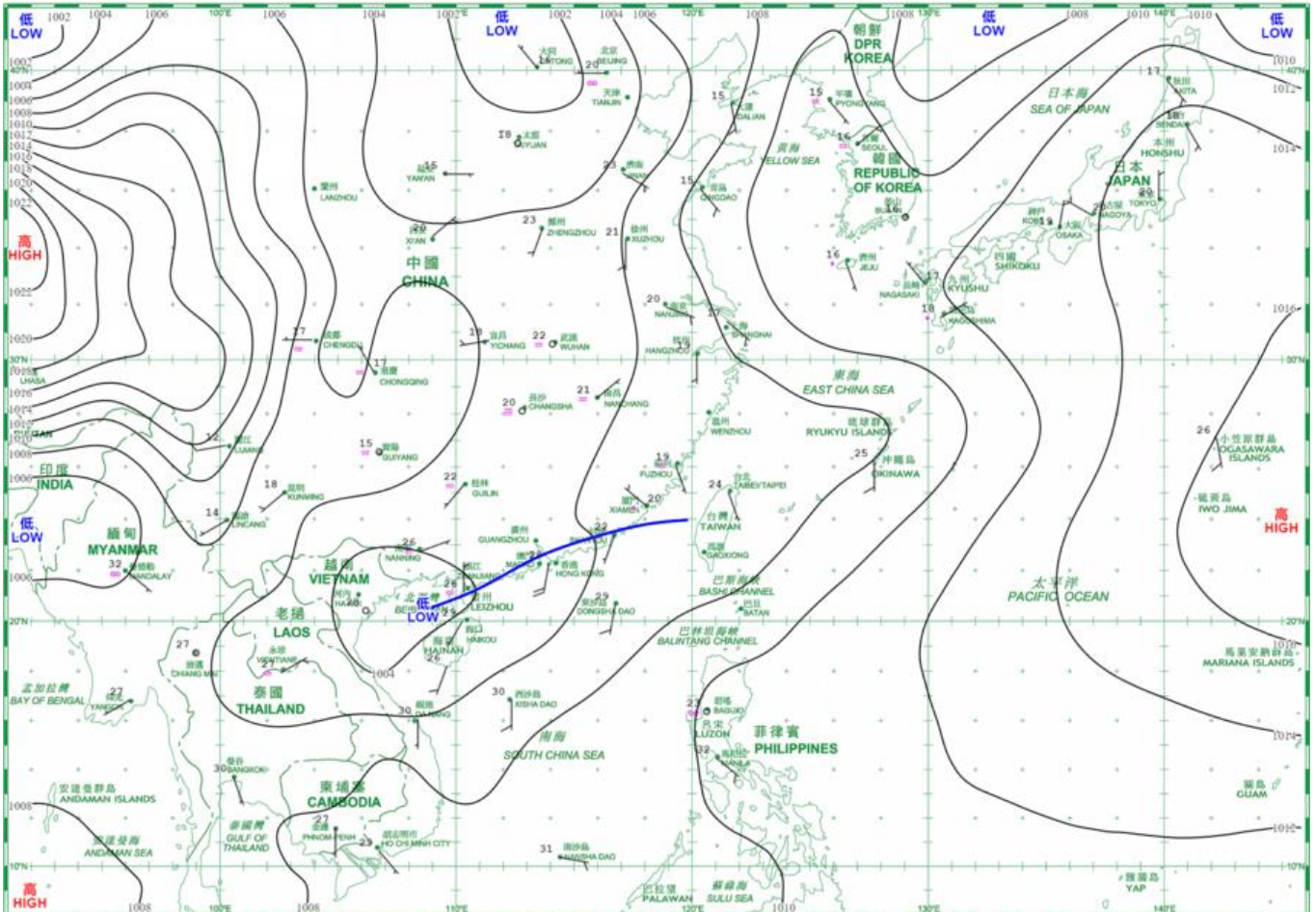
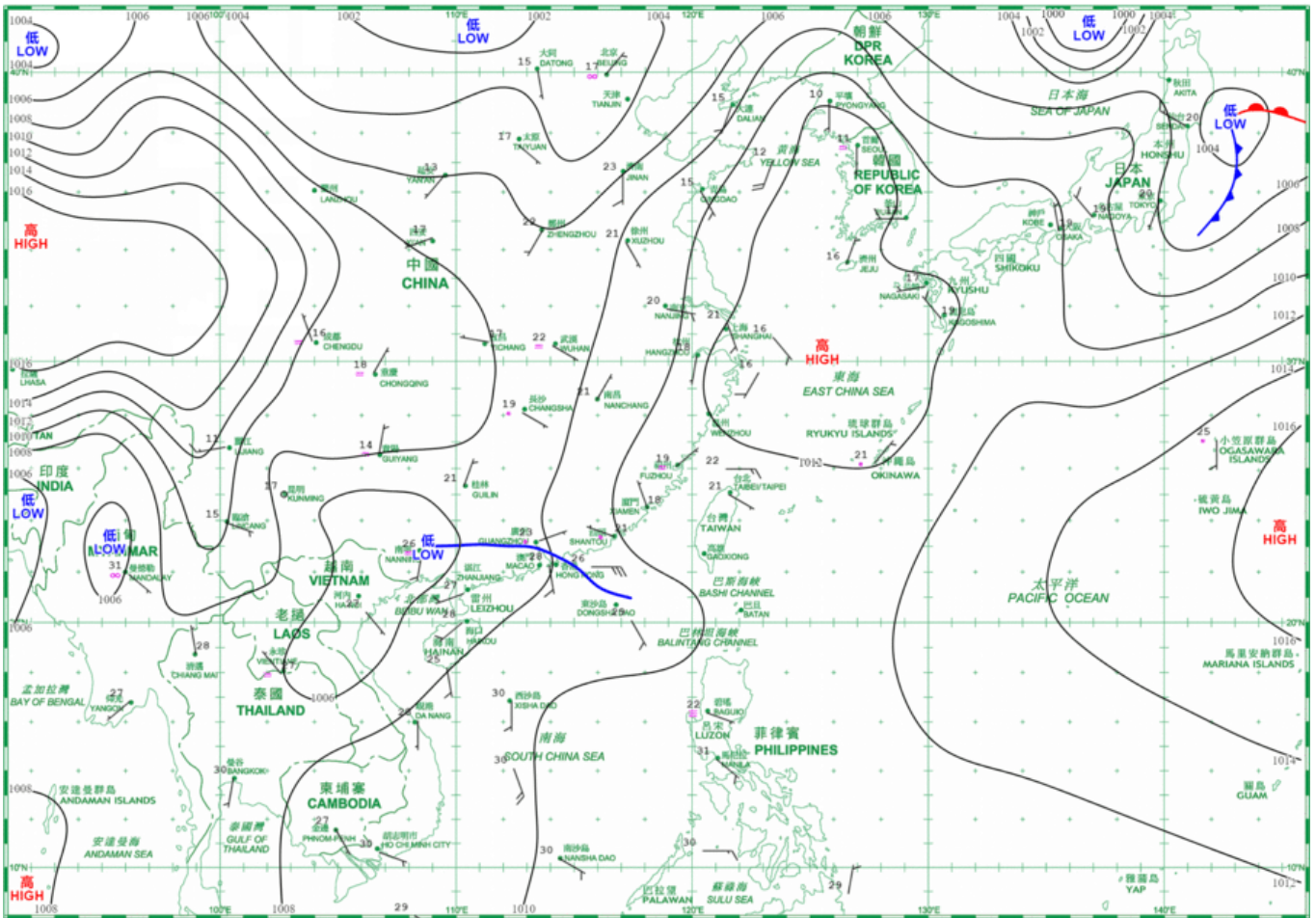


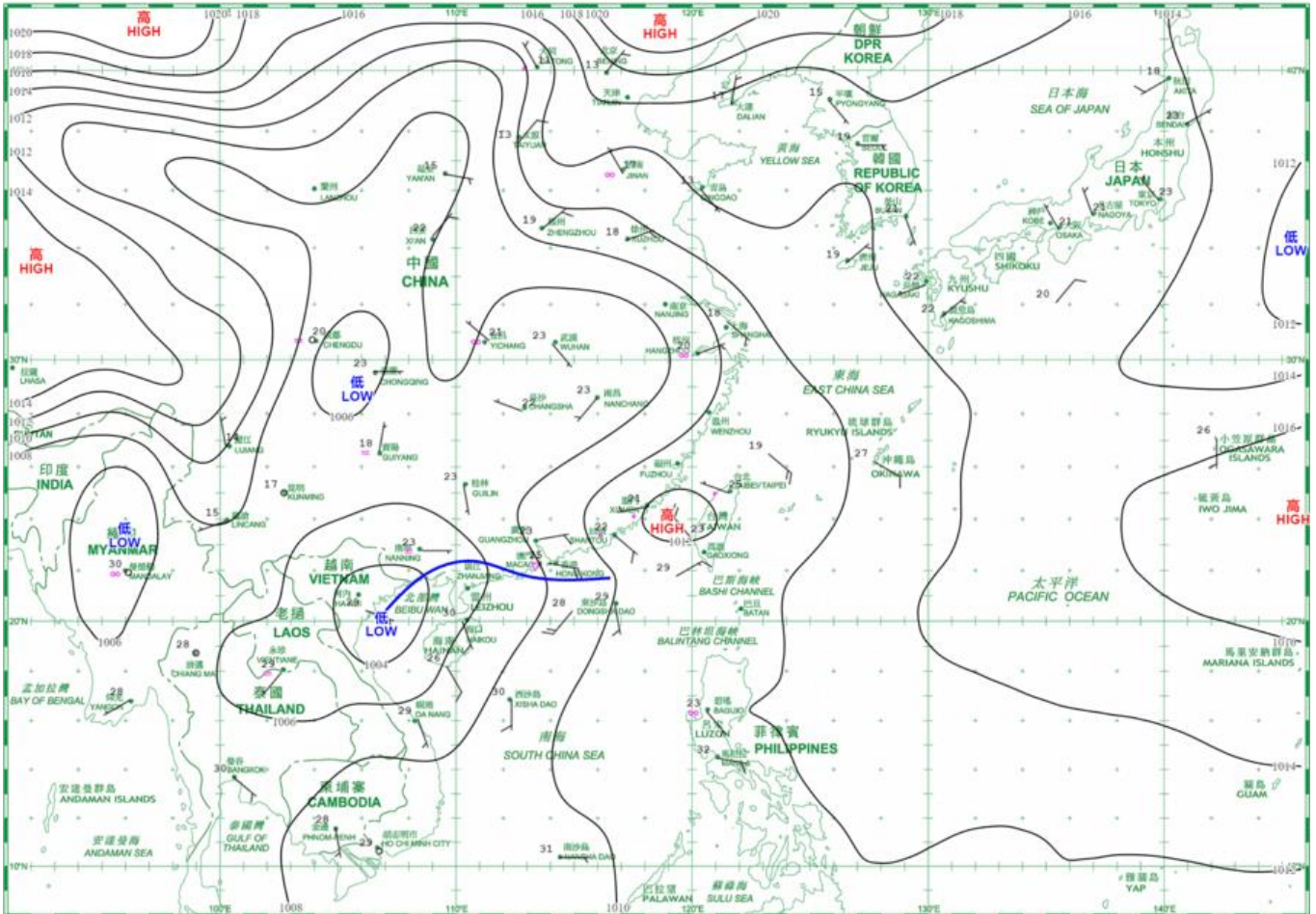
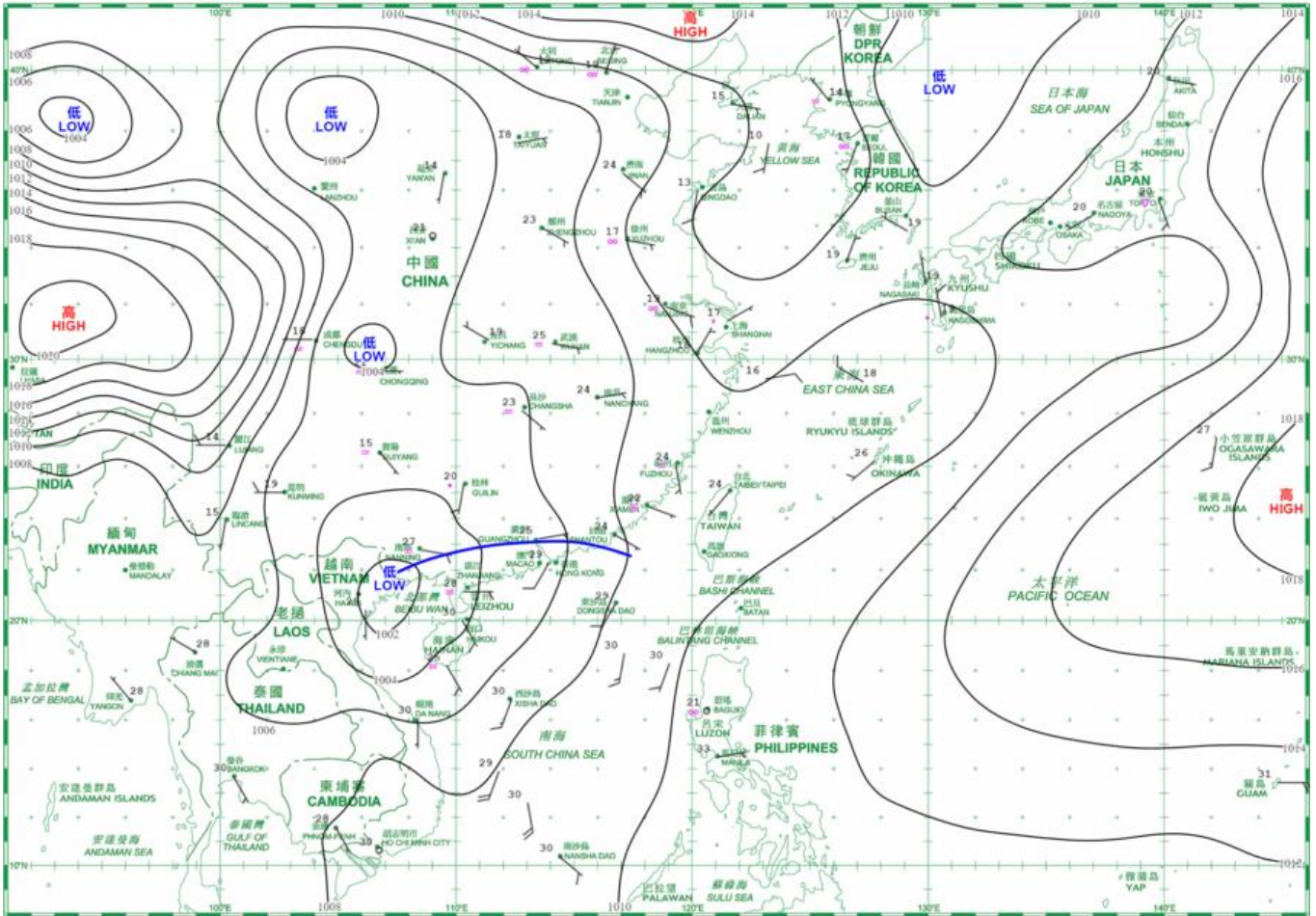


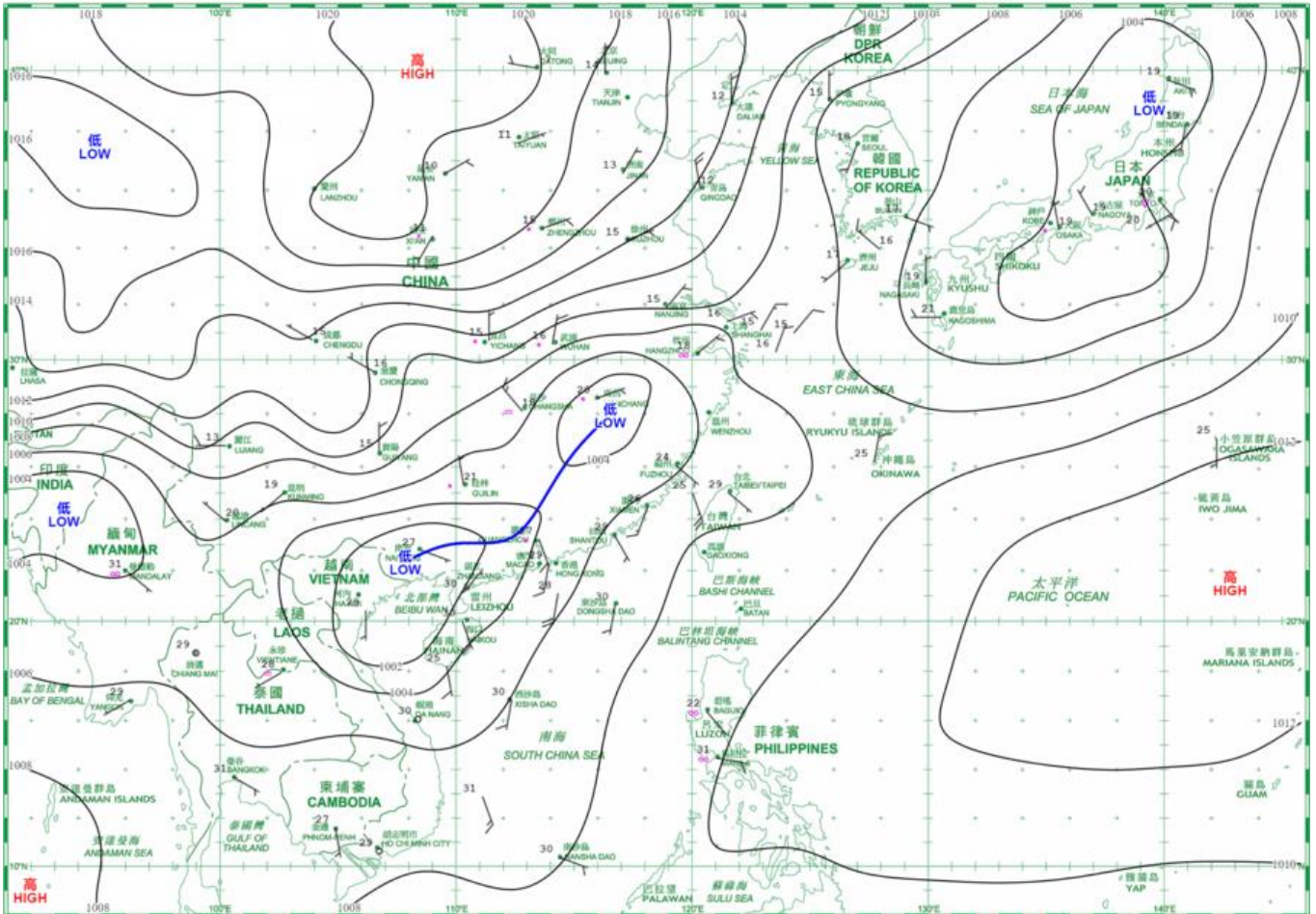
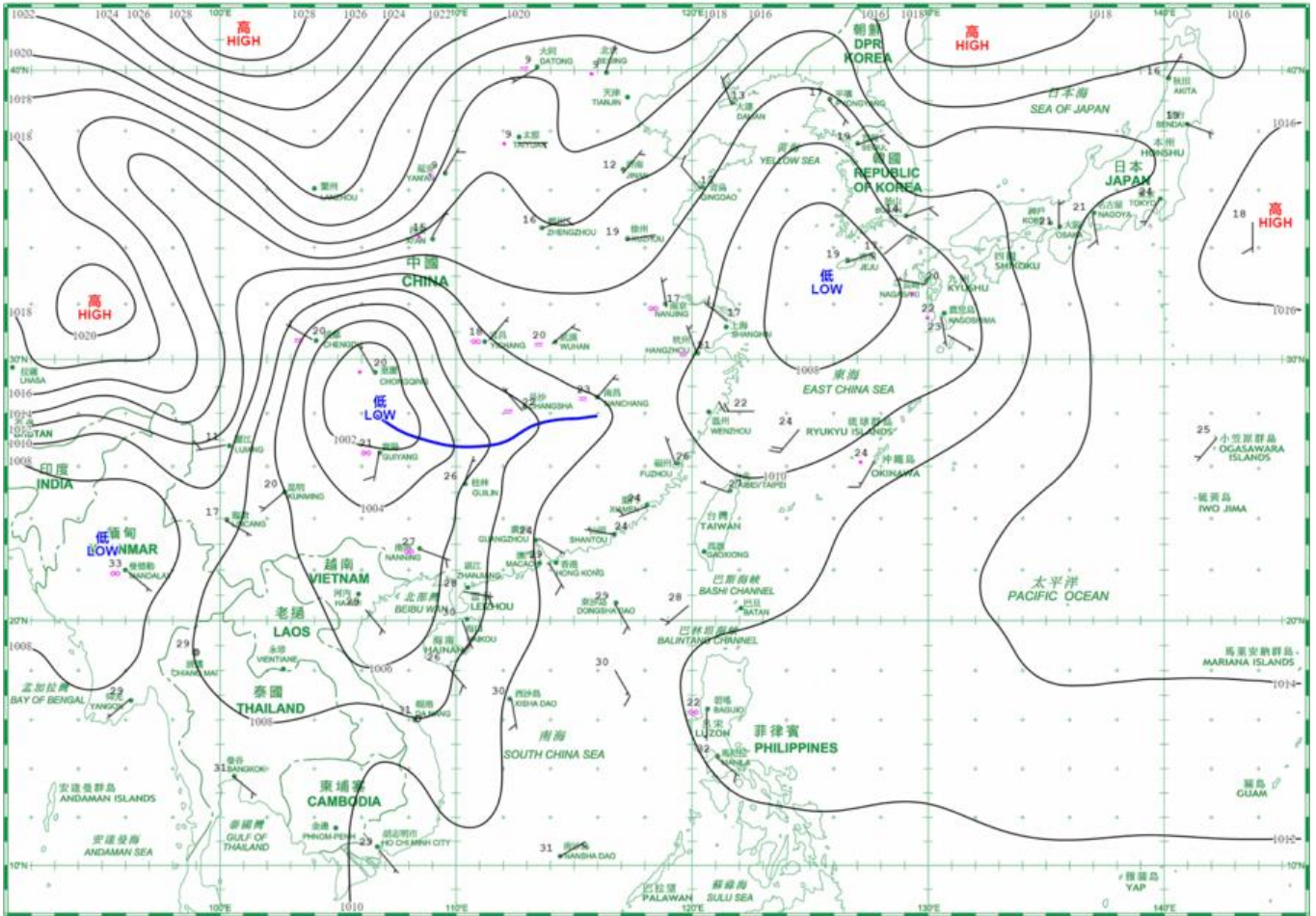












3.1.1 二零二四年四月香港氣象觀測摘錄(一)

3.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), April 2024

日期 Date	平均氣壓 Mean Pressure	氣 溫 Air Temperature			平均 露點溫度 Mean Dew Point Temperature	平均 相對濕度 Mean Relative Humidity	平均雲量 Mean Amount of Cloud	總雨量 Total Rainfall
		最高 Maximum	平均 Mean	最低 Minimum				
四月 April	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1010.0	29.1	27.3	26.3	23.8	81	88	Tr
2	1009.3	28.9	27.0	25.9	23.1	80	87	-
3	1010.1	28.9	27.3	26.1	23.5	80	86	Tr
4	1010.5	28.5	27.2	26.5	23.7	81	82	Tr
5	1011.9	29.3	26.5	24.7	22.9	81	84	0.3
6	1012.1	25.4	24.4	23.4	22.4	89	88	2.7
7	1010.6	28.3	25.4	23.7	23.1	88	87	0.9
8	1012.3	28.8	25.1	23.0	22.6	87	88	-
9	1015.8	24.3	22.9	21.7	18.9	78	88	Tr
10	1017.2	26.8	23.7	21.9	17.3	68	75	-
11	1016.1	27.7	24.5	22.8	20.2	77	52	-
12	1013.5	30.2	25.8	23.1	21.5	78	31	-
13	1011.4	31.9	26.9	24.3	22.3	77	46	-
14	1012.0	31.4	27.7	25.7	23.3	78	84	-
15	1013.0	30.3	27.7	26.2	23.6	79	85	-
16	1011.1	31.4	27.9	25.2	23.3	77	75	-
17	1009.9	30.9	28.4	27.0	24.1	78	75	-
18	1008.9	29.5	26.9	24.1	23.1	80	85	8.6
19	1008.2	29.9	27.6	26.1	23.9	80	88	2.2
20	1008.0	29.5	27.4	23.3	23.9	81	88	42.2
21	1009.3	27.2	23.9	21.5	22.1	90	90	81.6
22	1008.8	26.9	25.2	23.3	23.4	90	87	13.2
23	1008.0	27.2	25.4	24.6	23.8	91	91	40.0
24	1008.9	27.8	25.9	24.8	23.8	88	85	Tr
25	1007.1	28.5	26.6	24.4	23.9	86	84	5.7
26	1004.3	29.0	27.3	24.4	25.1	88	90	25.0
27	1005.1	30.2	28.8	27.7	25.9	85	88	0.8
28	1008.9	28.3	25.4	23.4	23.7	90	88	12.2
29	1008.5	29.9	27.7	25.3	25.0	85	88	-
30	1005.0	30.5	28.6	23.1	24.9	81	86	21.7
平均/總值 Mean/Total	1010.2	28.9	26.4	24.5	23.1	82	81	257.1
正常* Normal*	1013.0	25.6	23.0	21.1	19.7	83	77	153.0
觀測站 Station	天文台 Hong Kong Observatory							

天文台於四月二十六日 16 時 37 分錄得本月最低氣壓 1002.1 百帕斯卡。

The minimum pressure recorded at the Hong Kong Observatory was 1002.1 hectopascals at 1637 HKT on 26 April.

天文台於四月十三日 14 時 2 分錄得本月最高氣溫 31.9 °C。

The maximum air temperature recorded at the Hong Kong Observatory was 31.9 °C at 1402 HKT on 13 April.

天文台於四月二十一日 11 時 39 分錄得本月最低氣溫 21.5 °C。

The minimum air temperature recorded at the Hong Kong Observatory was 21.5 °C at 1139 HKT on 21 April..

天文台於四月二十日 20 時 59 分錄得本月最高1分鐘平均降雨率 167 毫米/小時。

The maximum 1-minute mean rainfall rate recorded at the Hong Kong Observatory was 167 millimetres per hour at 2059 HKT on 20 April.

* 1991-2020 氣候平均值 (除特別列明外) (http://www.hko.gov.hk/tc/cis/normal/1991_2020/normal.s.htm)

* 1991-2020 Climatological normal, unless otherwise specified (http://www.hko.gov.hk/en/cis/normal/1991_2020/normal.s.htm)

Tr - 微量 (降雨量少於 0.05 毫米)

Tr - Trace of rainfall (amount less than 0.05 mm)

3.1.2 二零二四年四月香港氣象觀測摘錄(二)

3.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), April 2024

日期 Date	出現低能見度的時數# Number of hours of Reduced Visibility#	總日照 Total Bright Sunshine	每日太陽總輻射 Daily Global Solar Radiation	總蒸發量 Total Evaporation	盛行風向 Prevailing Wind Direction	平均風速 Mean Wind Speed
四月 April	小時 hours	小時 hours	兆焦耳/米 ² MJ/m ²	毫米 mm	度 degrees	公里/小時 km/h
1	0	0.9	6.88	2.0	160	19.2
2	0	0.9	7.70	2.2	160	20.3
3	0	2.2	9.17	1.8	170	18.4
4	0	2.1	7.79	1.7	160	20.1
5	0	0.7	9.70	2.1	110	26.2
6	0	-	2.18	0.3	090	32.3
7	0	2.7	10.02	1.7	040	14.7
8	1	1.7	11.27	3.4	030	12.6
9	0	-	4.80	2.8	060	28.0
10	0	9.0	19.71	3.7	070	28.4
11	0	7.5	18.11	3.3	070	16.8
12	0	10.9	21.80	4.0	020	7.0
13	0	9.9	22.08	4.1	230	6.8
14	0	5.3	16.41	3.3	130	9.1
15	0	5.2	16.99	3.8	220	6.4
16	0	9.3	22.86	4.7	230	14.1
17	0	6.5	16.59	3.6	180	16.0
18	0	1.8	6.53	2.0	190	12.9
19	0	0.7	7.71	1.7	140	28.9
20	0	1.3	8.47	4.2	140	25.5
21	0	-	2.36	0.0	130	21.5
22	0	0.7	5.36	0.4	060	3.8
23	2	0.6	3.55	0.3	020	6.5
24	0	0.6	6.62	0.5	090	5.3
25	0	1.7	8.11	2.3	100	23.4
26	0	0.1	3.21	0.1	220	25.9
27	0	0.3	6.63	2.0	220	25.7
28	0	0.2	4.70	0.6	080	28.9
29	0	2.2	9.68	1.8	140	16.3
30	0	2.5	11.08	2.0	190	21.3
平均/總值 Mean/Total	3	87.5	10.27	66.4	160	18.1
正常* Normal*	68.2 §	113.2	12.52	87.2	070	20.5
觀測站 Station	香港國際機場 Hong Kong International Airport		京士柏 King's Park		橫瀾島^ Waglan Island^	

橫瀾島於四月三十日 22 時 8 分錄得本月最高陣風 100 公里/小時，風向 260 度。

The maximum gust peak speed recorded at Waglan Island was 100 kilometres per hour from 260 degrees at 2208 HKT on 30 April.

低能見度是指能見度低於 8 公里，不包括出現霧、薄霧或降水。

- 在2004年及以前，香港國際機場的能見度讀數是基於專業氣象觀測員每小時的觀測數據。在2005年及以後，讀數是採用位於機場南跑道中間的能見度儀表在每小時前10分鐘的平均數據。這與使用儀器觀測來改進能見度評估的國際趨勢是一致的。
- 在2007年10月10日前曾出現於此摘錄內香港國際機場2005年及以後的低能見度時數資料乃基於專業氣象觀測員每小時的觀測數據。有關資料已於2007年10月10日起改為以機場南跑道中間之能見度儀表在每小時前10分鐘的平均數據計算。

Reduced visibility refers to visibility below 8 kilometres when there is no fog, mist, or precipitation.

- The visibility readings at the Hong Kong International Airport are based on hourly observations by professional meteorological observers in 2004 and before, and average readings over the 10-minute period before the clock hour of the visibility meter near the middle of the south runway from 2005 onwards. The change of the data source in 2005 is an improvement of the visibility assessment using instrumented observations following the international trend.
- Before 10 October 2007, the number of hours of reduced visibility at the Hong Kong International Airport in 2005 and thereafter displayed in this summary was based on hourly visibility observations by professional meteorological observers. Since 10 October 2007, the data have been revised using the average visibility readings over the 10-minute period before the clock hour, as recorded by the visibility meter near the middle of the south runway.

^ 如橫瀾島未能提供數據，則以長洲或其他鄰近氣象站的數據作補充，以計算盛行風向和平均風速。

^ In case the data are not available from Waglan Island, observations of Cheung Chau or other nearby weather stations will be incorporated in computing the Prevailing Wind Direction and Mean Wind Speed.

* 1991-2020 氣候平均值 (除特別列明外) (http://www.hko.gov.hk/tc/cis/normal/1991_2020/normals.htm)

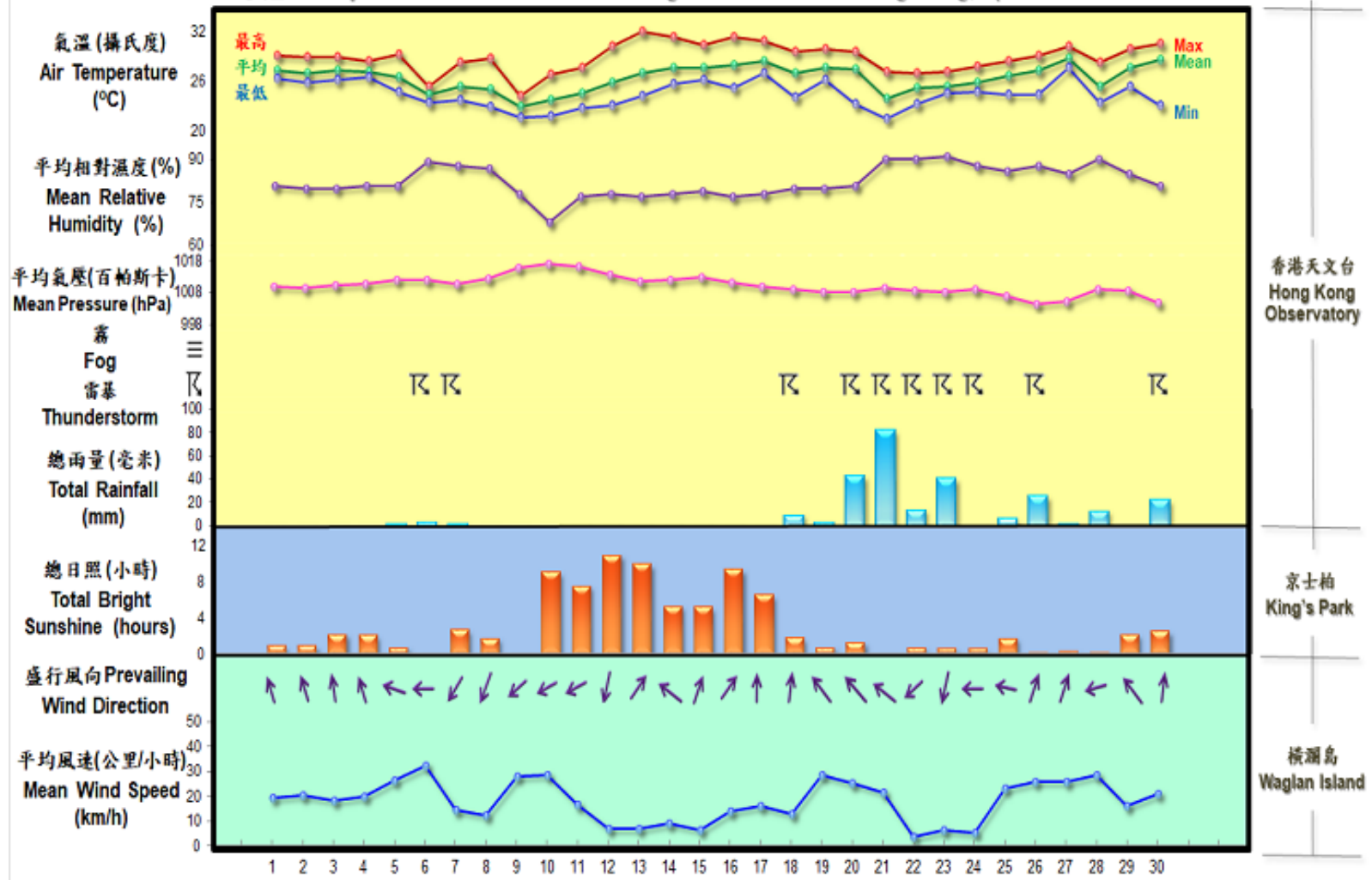
* 1991-2020 Climatological normal, unless otherwise specified (http://www.hko.gov.hk/en/cis/normal/1991_2020/normals.htm)

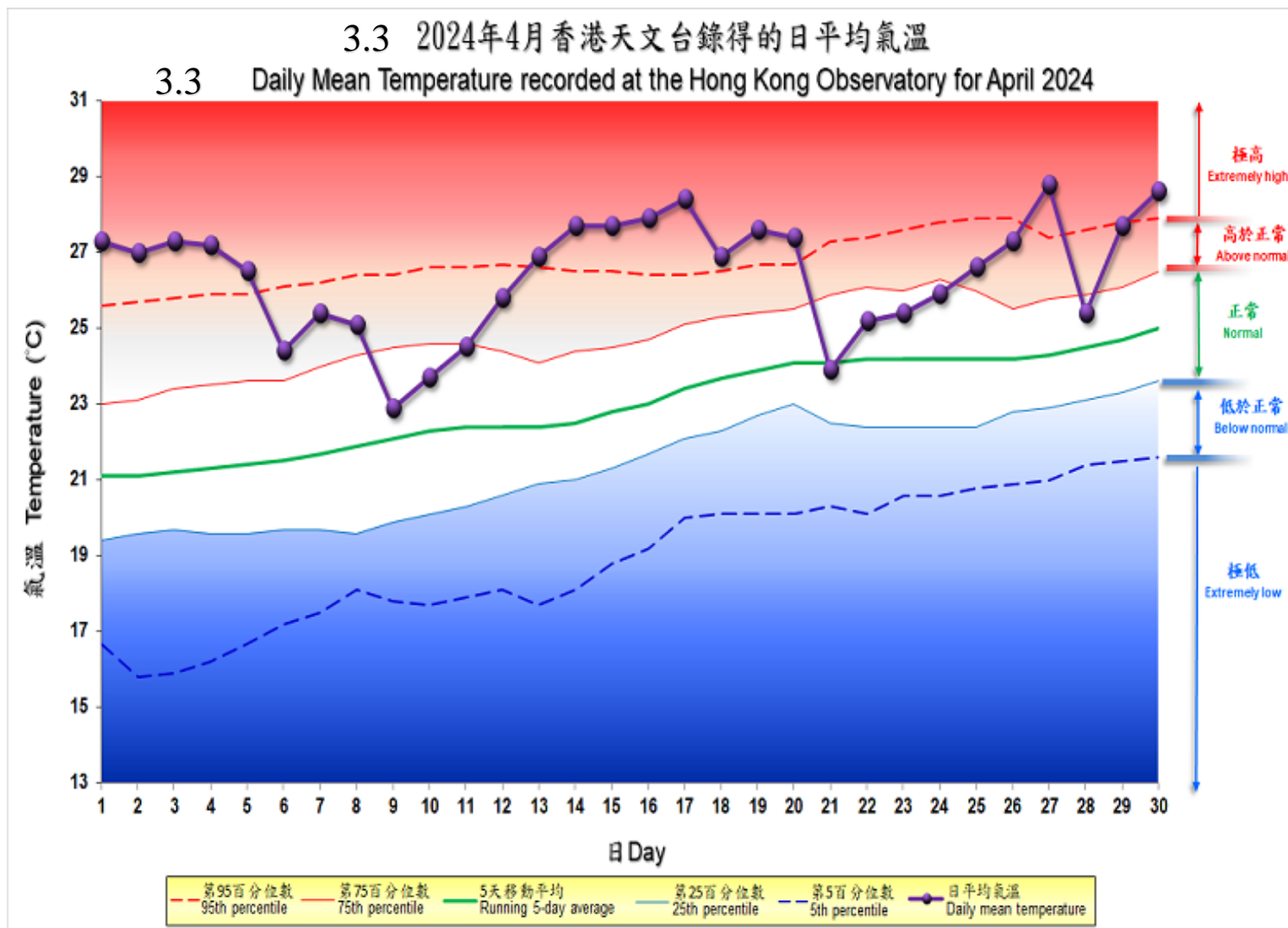
§ 1997-2023 平均值

§ 1997-2023 Mean value

3.2 2024年4月部分香港氣象要素的每日記錄

3.2 Daily Values of Selected Meteorological Elements for Hong Kong, April 2024





備註:

極高: 高於第 95 百分位數
 高於正常: 介乎第 75 和第 95 百分位數之間
 正常: 介乎第 25 和第 75 百分位數之間
 低於正常: 介乎第 5 和第 25 百分位數之間
 極低: 低於第 5 百分位數
 百分位數值及 5 天移動平均值是基於 1981 至 2010 年的數據計算所得

Remarks:

Extremely high: above 95th percentile
 Above normal: between 75th and 95th percentile
 Normal: between 25th and 75th percentile
 Below normal: between 5th and 25th percentile
 Extremely low: below 5th percentile
 Percentile and 5-day running average values are computed based on the data from 1981 to 2010