

每月天氣摘要 二零二二年六月

Monthly Weather Summary June 2022

—◆—
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二零二二年七月出版

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3. Figures of damage and casualties caused by weather phenomena are compiled from press reports and information provided by other government departments.

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1. 二零二二年六月天氣回顧

二零二二年六月的天氣特徵為首三週多雲及有驟雨，而餘下大部分時間則天晴及酷熱。總體來說，本月較正常多雲。本月平均雲量為百分之 83，較六月的正常值百分之 77 多約百分之 6。本月總日照時間為 116.1 小時，較正常值 144.3 小時少約百分之 20。本月平均氣溫為 28.6 度，較正常值 28.3 度高 0.3 度。全月雨量方面，雖然在荃灣、大埔及西貢等地區錄得的雨量均超過 450 毫米，但天文台總部的全月雨量卻只有 349.2 毫米，較正常值 491.5 毫米少約百分之 29。上半年累積的雨量為 1054.5 毫米，較同期正常值 1082.5 毫米少約百分之 3。

受西南季候風影響，本月首六日本港天氣炎熱，並夾雜著陽光、驟雨及雷暴。六月三日新界部分地區雨勢較大，當日荃灣及大埔錄得超過 50 毫米雨量。受一道在廣東沿岸徘徊的活躍低壓槽影響，六月七日至十一日本港天氣變得不穩定，間中有大驟雨及狂風雷暴。本港各區在這五日普遍錄得超過 200 毫米雨量，而東部地區雨量更超過 300 毫米。六月八日早上的大雨令天文台需要發出今年第二個紅色暴雨警告信號。當日新界部分地區水浸嚴重，西貢亦有山泥傾瀉報告。同日一名女子在大埔橫涌石澗遇上山洪暴發遭沖走後罹難。當日早上長洲附近亦出現水龍捲。

六月十二日該低壓槽逐漸向北移入內陸地區。受活躍西南氣流影響，六月十二日初時本港大致多雲，有驟雨及幾陣狂風雷暴。當日早上赤鱸角及荃灣的雨勢較大，錄得超過 50 毫米雨量。隨著六月十二日下午驟雨減少，六月十三日本港天氣轉為部分時間有陽光及炎熱。

隨著低壓槽的重臨，六月十四日至十六日本港再度受驟雨及狂風雷暴影響，大部分地區在這三日錄得超過 40 毫米雨量，而西貢及九龍部分地區雨量更超過 70 毫米。在有雨的情況下，六月十五日天文台氣溫下降至本月最低的 24.0 度。受偏南氣流影響，六月十七日至二十一日本港短暫時間有陽光及有驟雨。

在高空反氣旋支配下，除有幾陣驟雨外，六月二十二日至二十九日本港持續大致天晴及酷熱。在陽光充沛的情況下，六月二十八日天文台氣溫上升至本月最高的 34.4 度。此外，六月二十九日一個低壓區於南海中部發展為一個熱帶低氣壓，翌日早上被命名為暹芭並增強為熱帶風暴。隨著暹芭移向廣東西部沿岸一帶，本月最後一日本港有狂風驟雨及雷暴，晚上風勢逐漸增強。當日本港多處地區錄得超過 20 毫米雨量，而港島，九龍及新界東部更錄得超過 50 毫米雨量。

二零二二年六月有兩個熱帶氣旋影響南海及北太平洋西部。

本月沒有航機因惡劣天氣須轉飛其他地方。表 1.1 載列本月份發出及取消各種警告／信號的詳情。

1. The Weather of June 2022

June 2022 was characterized by cloudy and showery weather during the first three weeks and most of the time sunny and very hot weather for the rest of the month. Overall, the month was cloudier than usual. The mean amount of cloud in the month was 83 percent, about 6 percent above the normal of 77 percent for June. The duration of bright sunshine in the month was 116.1 hours, about 20 percent below the normal figure of 144.3 hours. The monthly mean temperature was 28.6 degrees, 0.3 degree above the normal figure of 28.3 degrees. As for monthly rainfall, while more than 450 millimetres of rainfall were recorded over Tsuen Wan, Tai Po and Sai Kung Districts, the monthly rainfall recorded at the Observatory was only 349.2 millimetres, about 29 percent below the normal of 491.5 millimetres. The accumulated rainfall recorded in the first half of the year was 1054.5 millimetres, a deficit of about 3 percent compared to the normal of 1082.5 millimetres for the same period.

Under the influence of the southwest monsoon, the weather of Hong Kong was hot with a mixture of sunshine, showers and thunderstorms on the first six days of the month. Showers were heavier over parts of the New Territories on 3 June with more than 50 millimetres of rainfall recorded over Tsuen Wan and Tai Po. Affected by an active trough of low pressure lingering over the coast of Guangdong, local weather turned unsettled with occasional heavy showers and squally thunderstorms on 7 – 11 June. More than 200 millimetres of rainfall were generally recorded over the territory and rainfall even exceeded 300 millimetres over the eastern part of Hong Kong on these five days. The heavy rain on the morning of 8 June necessitated the issuance of the second Red Rainstorm Warning Signal in the year. There were serious flooding over some places in the New Territories and landslides were reported in Sai Kung on that day. A woman died after being washed away by flash floods in Wang Chung Stream, Tai Po on the same day. Waterspout was also spotted near Cheung Chau on the morning of 8 June.

The trough of low pressure moved northwards gradually towards inland areas on 12 June. Under the influence of an active southwesterly airstream, the weather was mainly cloudy with showers and a few squally thunderstorms at first on 12 June. The showers were heavier over Chek Lap Kok and Tsuen Wan where more than 50 millimetres of rainfall were recorded in that morning. With the showers easing off on the afternoon of 12 June, the weather became hot with sunny periods on 13 June.

With the return of the trough of the low pressure, showery weather with squally thunderstorms affected Hong Kong again on 14 – 16 June. More than 40 millimetres of rainfall were recorded over most parts of territory and rainfall even exceeded 70 millimetres over Sai Kung and parts of Kowloon in these three days. Under the rain, the temperature at the Observatory dropped to a minimum of 24.0 degrees on 15 June, the lowest of the month. Affected by a southerly airstream, there were sunny intervals and some showers in Hong Kong on 17 – 21 June.

Dominated by an anticyclone aloft, apart from a few showers, mainly fine and very hot weather prevailed in Hong Kong during 22 – 29 June. With plenty of sunshine, the maximum temperature at the Observatory soared to 34.4 degrees on 28 June, the highest of the month. Besides, an area of low pressure over the central part of the South China Sea developed into a tropical depression on 29 June. It was named Chaba and intensified into a tropical storm the next morning. With Chaba moving towards the coast of western Guangdong, there were squally showers and thunderstorms in Hong Kong on the last day of the month and winds strengthened gradually at night. More than 20 millimetres of rainfall were recorded over most parts of territory, and rainfall even exceeded 50 millimetres over Hong Kong Island, Kowloon and the eastern part of the New Territories that day.

Two tropical cyclones occurred over the South China Sea and the western North Pacific in June 2022.

During the month, no aircraft was 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 二零二二年六月發出的警告及信號
Table 1.1 Warnings and Signals issued in June 2022

熱帶氣旋警告信號

Tropical Cyclones Warning Signals

熱帶氣旋名稱 Name of Tropical Cyclone	信號 Signal Number	開始時間 Beginning Time		終結時間 Ending Time	
		日/月 day/month	時 hour	日/月 day/month	時 hour
		暹芭 CHABA	1 3	29/6 30/6	2110 2240

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	7/6	0345	7/6	0640
黃色 Amber	7/6	1935	7/6	2045
黃色 Amber	8/6	0945	8/6	1045
紅色 Red	8/6	1045	8/6	1615
黃色 Amber	8/6	1615	8/6	1715
黃色 Amber	11/6	1315	11/6	1530
黃色 Amber	14/6	1930	14/6	2045
黃色 Amber	15/6	1930	15/6	2140

雷暴警告

Thunderstorm Warning

開始時間 Beginning Time		終結時間 Ending Time		開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour	日/月 day/month	時 hour	日/月 day/month	時 hour
1/6	0458	1/6	0630	11/6	1140	11/6	1600
1/6	1200	1/6	1500	12/6	0320	12/6	0650
2/6	0145	2/6	0530	14/6	0920	14/6	2200
2/6	1540	2/6	1700	15/6	0345	15/6	0600
3/6	0203	3/6	1730	15/6	1025	15/6	2400
6/6	0837	6/6	1555	16/6	0130	16/6	0400
6/6	1750	6/6	2000	16/6	0935	16/6	1225
6/6	2217	7/6	0850	16/6	1305	16/6	1345
7/6	0945	7/6	1600	17/6	0315	17/6	0415
7/6	1755	7/6	2200	17/6	1010	17/6	1115
8/6	0820	8/6	2100	18/6	0905	18/6	1000
9/6	0905	9/6	1745	20/6	0245	20/6	0500
9/6	1905	9/6	2030	25/6	1242	25/6	1500
9/6	2220	10/6	0030	29/6	1225	29/6	1600
10/6	0745	10/6	1225	30/6	0235	30/6	0630
11/6	0050	11/6	0230	30/6	0710	30/6	2000
11/6	0410	11/6	0830				

酷熱天氣警告

Very Hot Weather 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
22/6	0645	29/6	1620

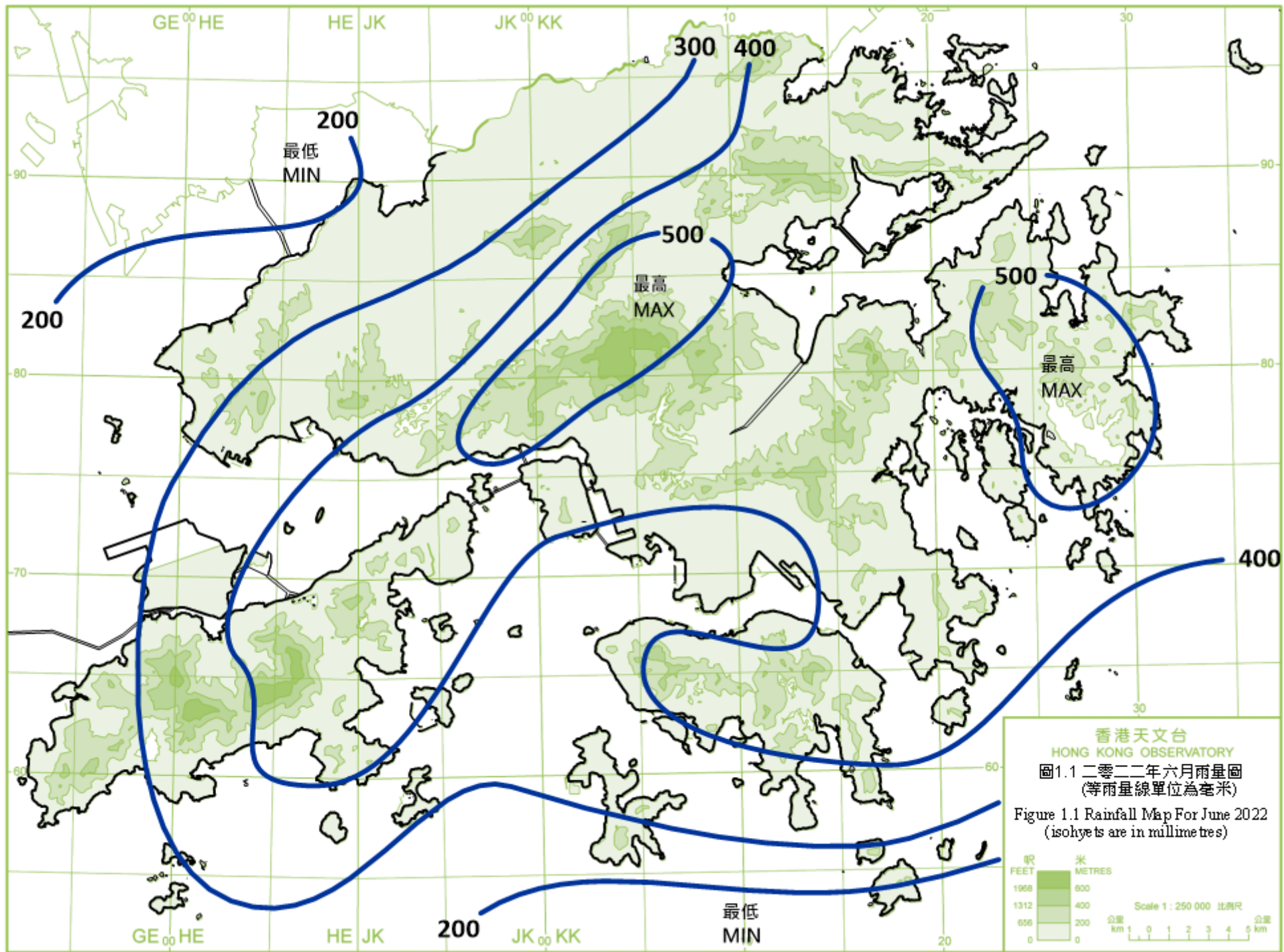




圖 1.2 二零二二年六月八日在長洲附近的水龍
Figure 1.2 Waterspout near Cheung Chau on 8 June 2022



圖 1.3 二零二二年六月八日在西貢北潭路發生山泥傾瀉 (鳴謝商業電台提供照片)

Figure 1.3 Landslides were reported at Pak Tam Road, Sai Kung on 8 June 2022 (Courtesy of Commercial Radio Hong Kong)

2.1 二零二二年六月熱帶氣旋概述

二零二二年六月在北太平洋西部及南海區域出現了兩個熱帶氣旋，當中暹芭引致香港天文台需要發出本年首個熱帶氣旋警告信號。

暹芭於六月二十九日早上在西沙之東南偏東約 460 公里的南海中部上發展為熱帶低氣壓，當日向西北偏西方向緩慢移動，並逐漸增強。翌日暹芭發展為熱帶風暴並大致採取西北偏北路徑移向廣東西部沿岸。

熱帶低氣壓艾利於六月三十日晚上在沖繩島之東南偏南約 890 公里的北太平洋西部上形成，向北移向琉球群島一帶並逐漸增強。



2.1 Overview of Tropical Cyclones in June 2022

Two tropical cyclones occurred over the western North Pacific and the South China Sea in June 2022. Chaba was also the first tropical cyclone necessitated the issuance of the tropical cyclone warning signals by the Observatory this year.

Chaba developed into a tropical depression over the central part of the South China Sea about 460 km east-southeast of Xisha on the morning of 29 June. It moved slowly west-northwestwards on that day and intensified gradually. Chaba developed into a tropical storm the next day and moved generally north-northwestwards towards the coast of western Guangdong.

Aere formed as a tropical depression over the western North Pacific about 890 km south-southeast of Okinawa on the night of 30 June. It moved northwards towards the vicinity of the Ryukyu Islands and intensified gradually.

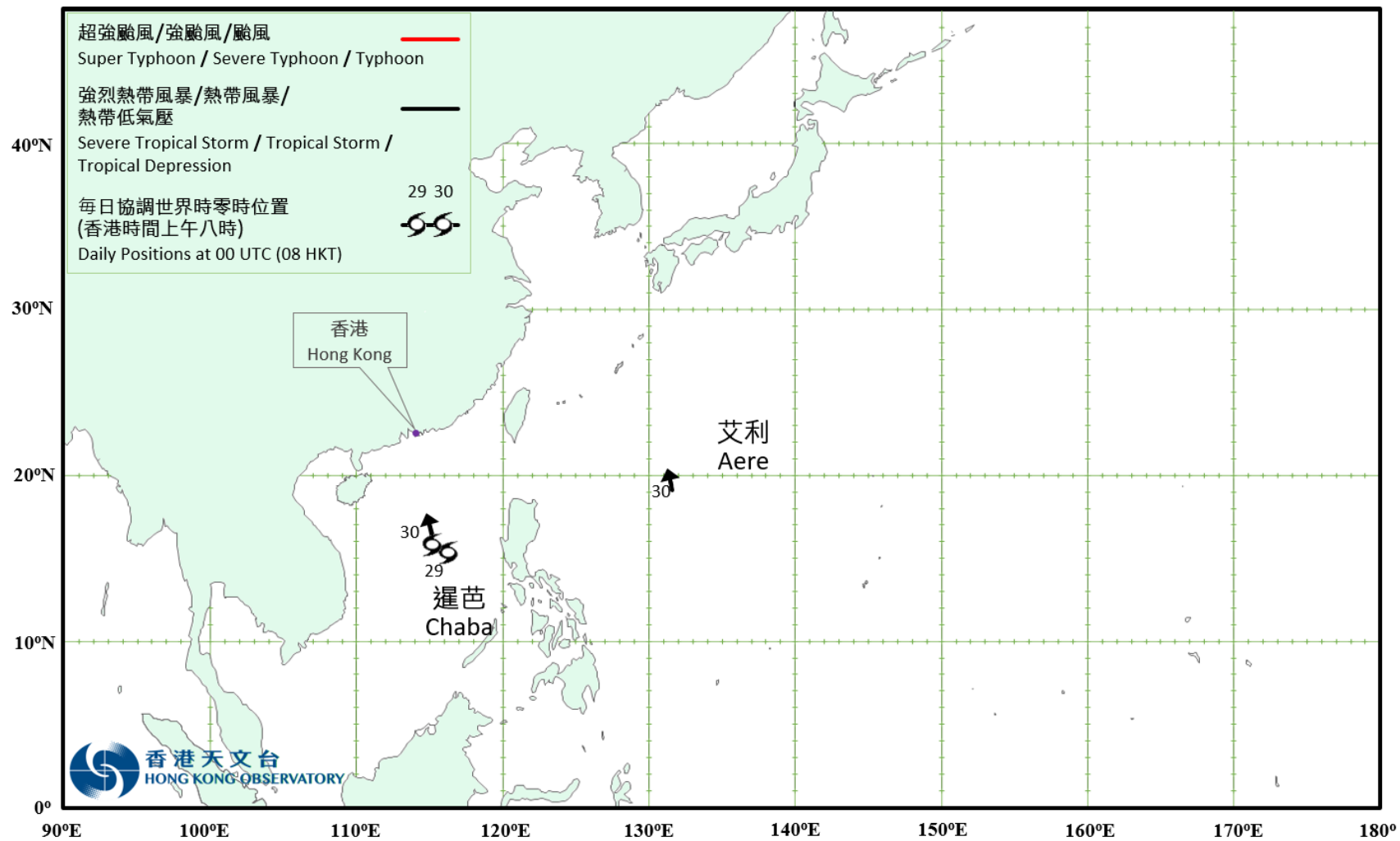
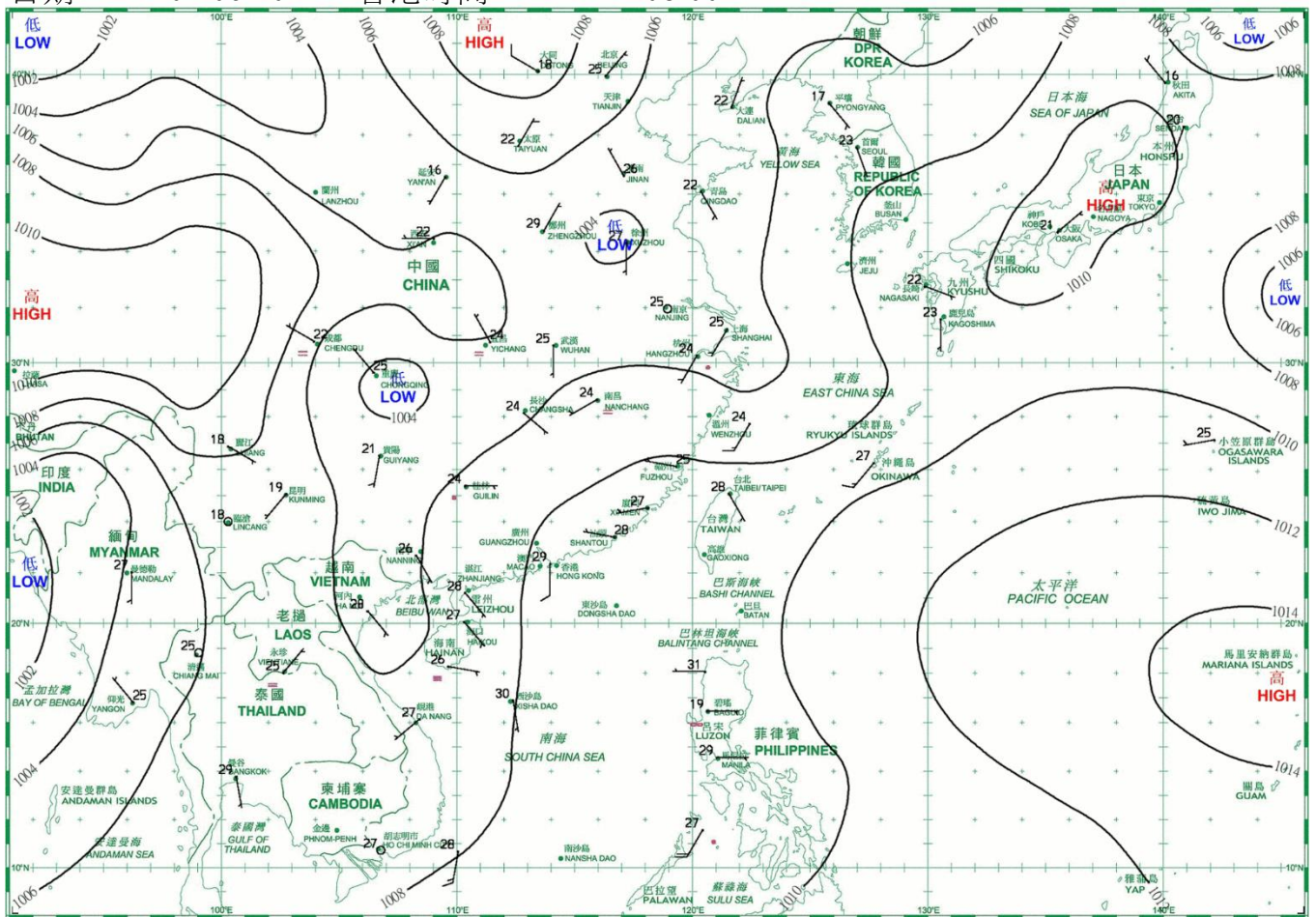


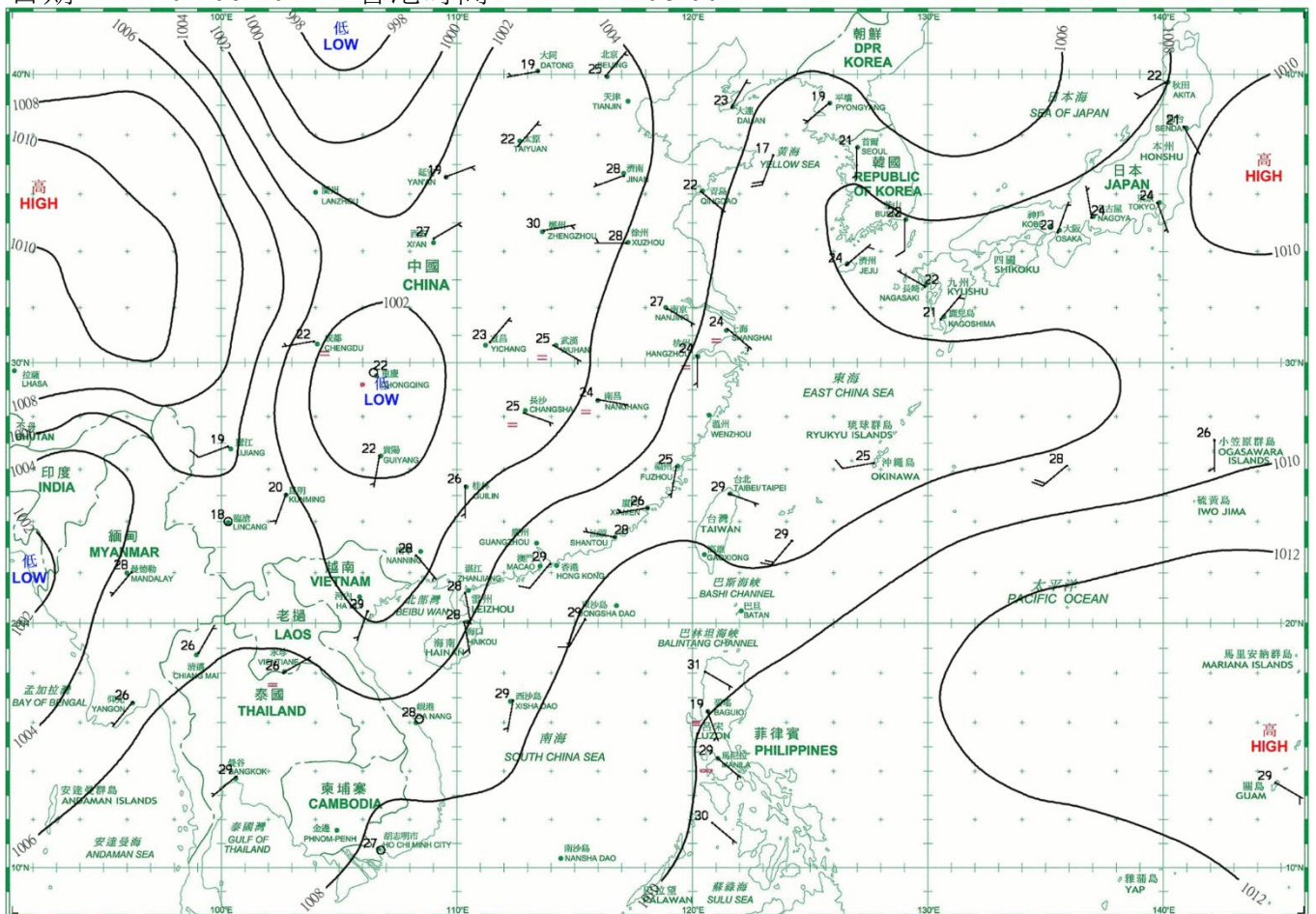
圖 2.1 二零二二年六月的熱帶氣旋路徑圖
 Fig. 2.1 Track of tropical cyclone in June 2022

3. 二零二二年六月每日天氣圖 Daily Weather Maps for June 2022

日期/Date: 01.06.2022 香港時間/HK Time: 08:00

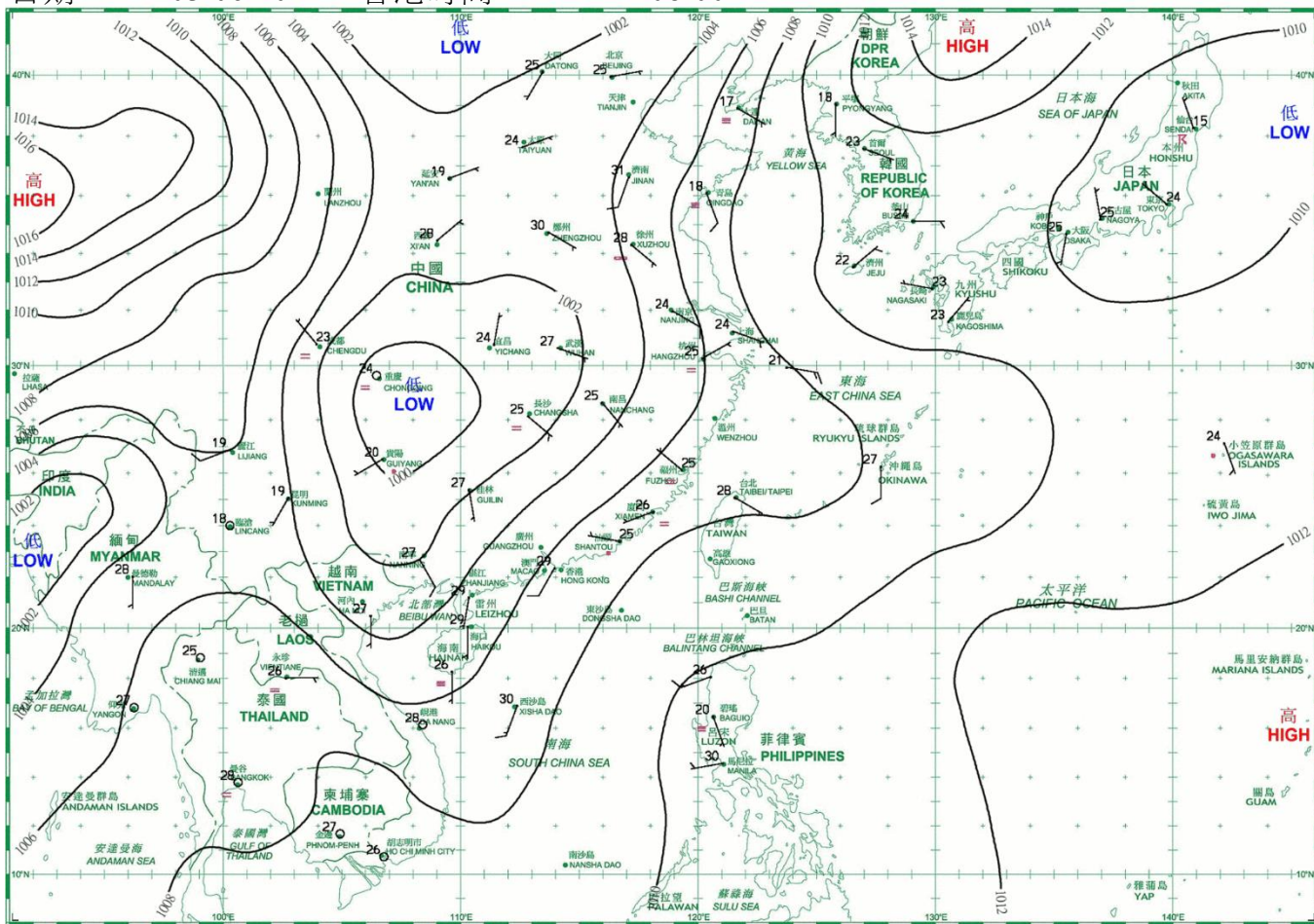


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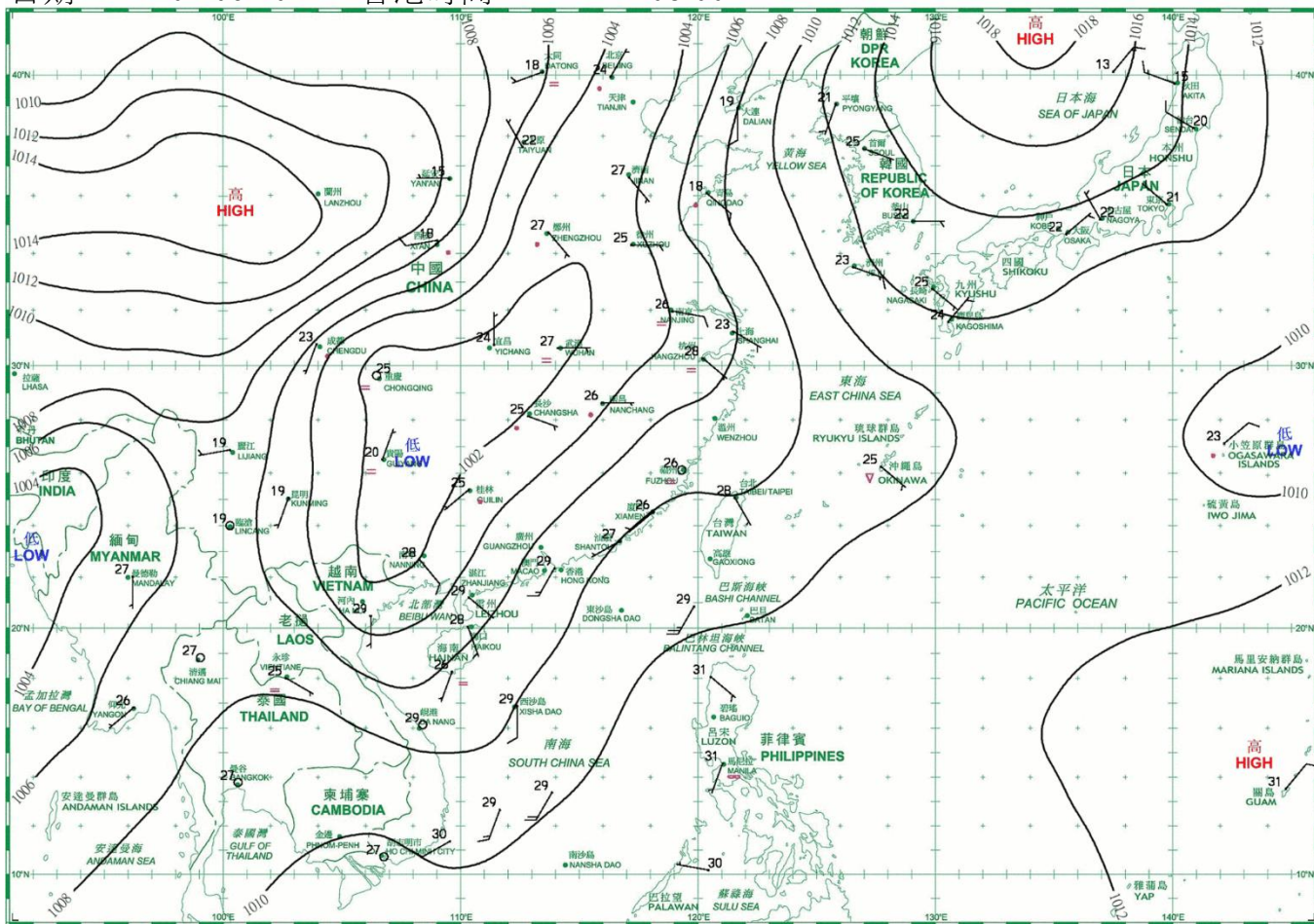


- 等壓線 Isobar(hPa)
- 暖鋒 Warm Front
- 靜止鋒 Stationary Front
- 消散中的冷鋒 Dissipating Cold Front
- 冷鋒 Cold Front
- 錮囚鋒 Occlusion
- 槽軸 (線) Axis of Trough
- 熱帶氣旋中心 Centre of Tropical Cyclone

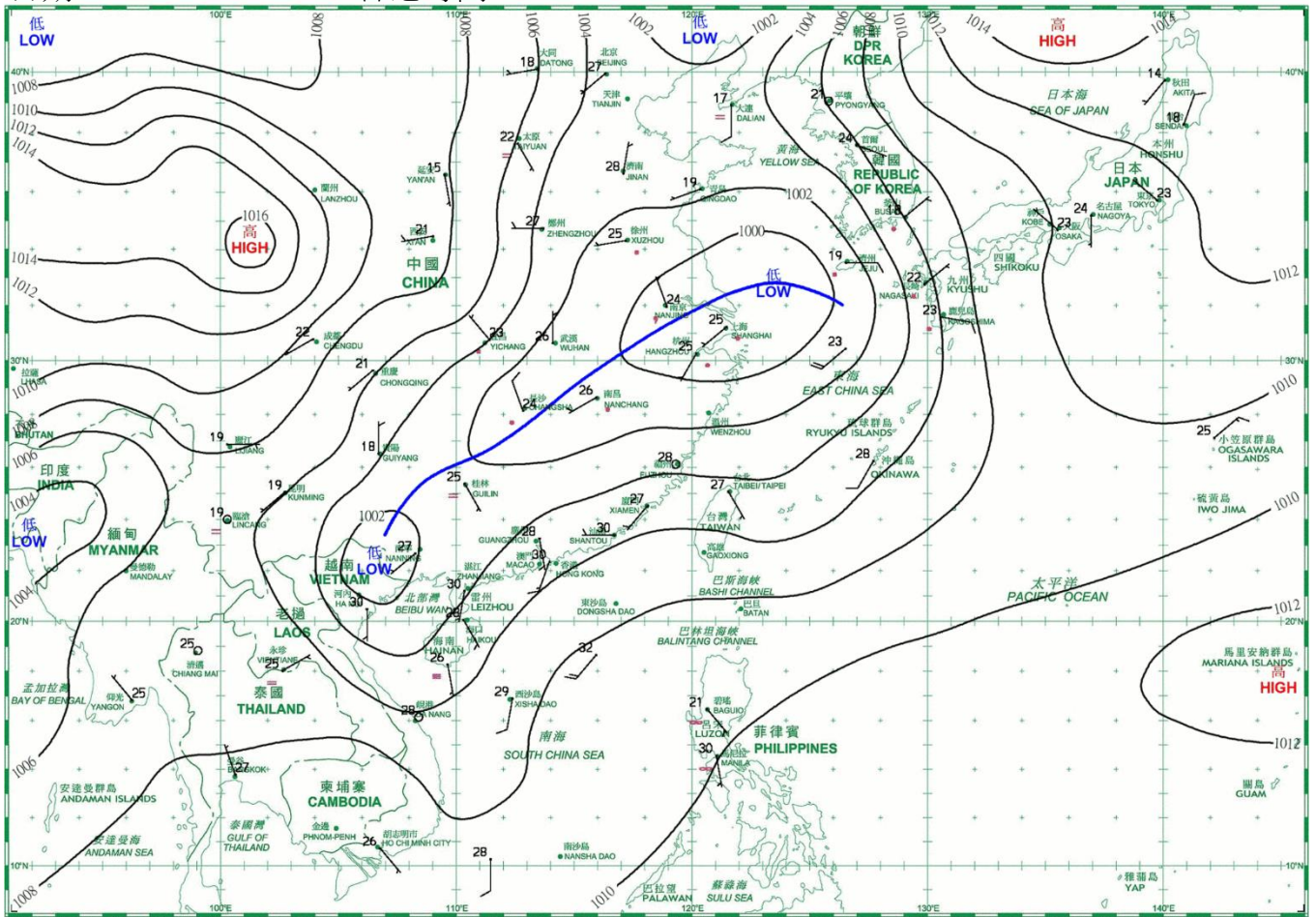
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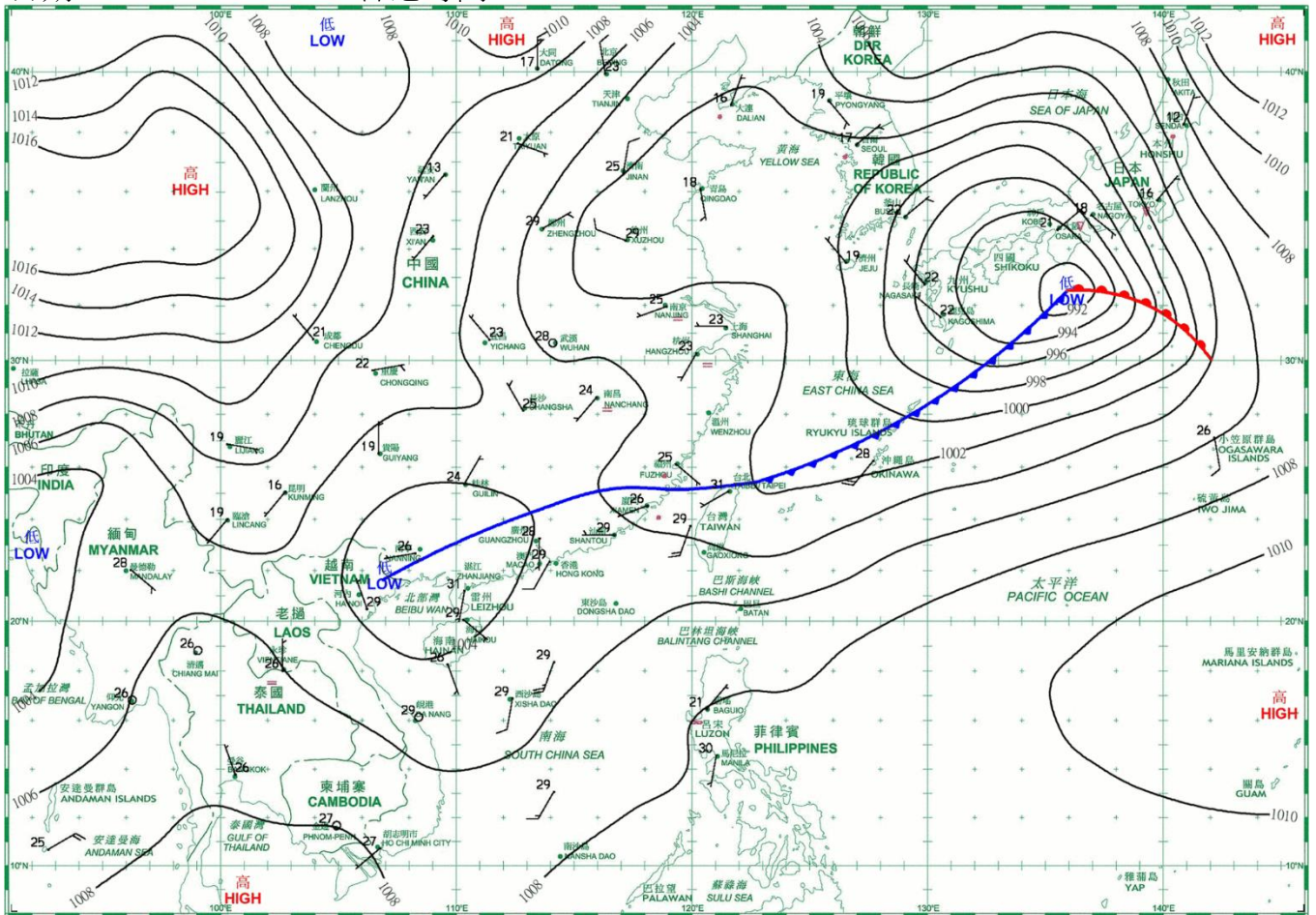
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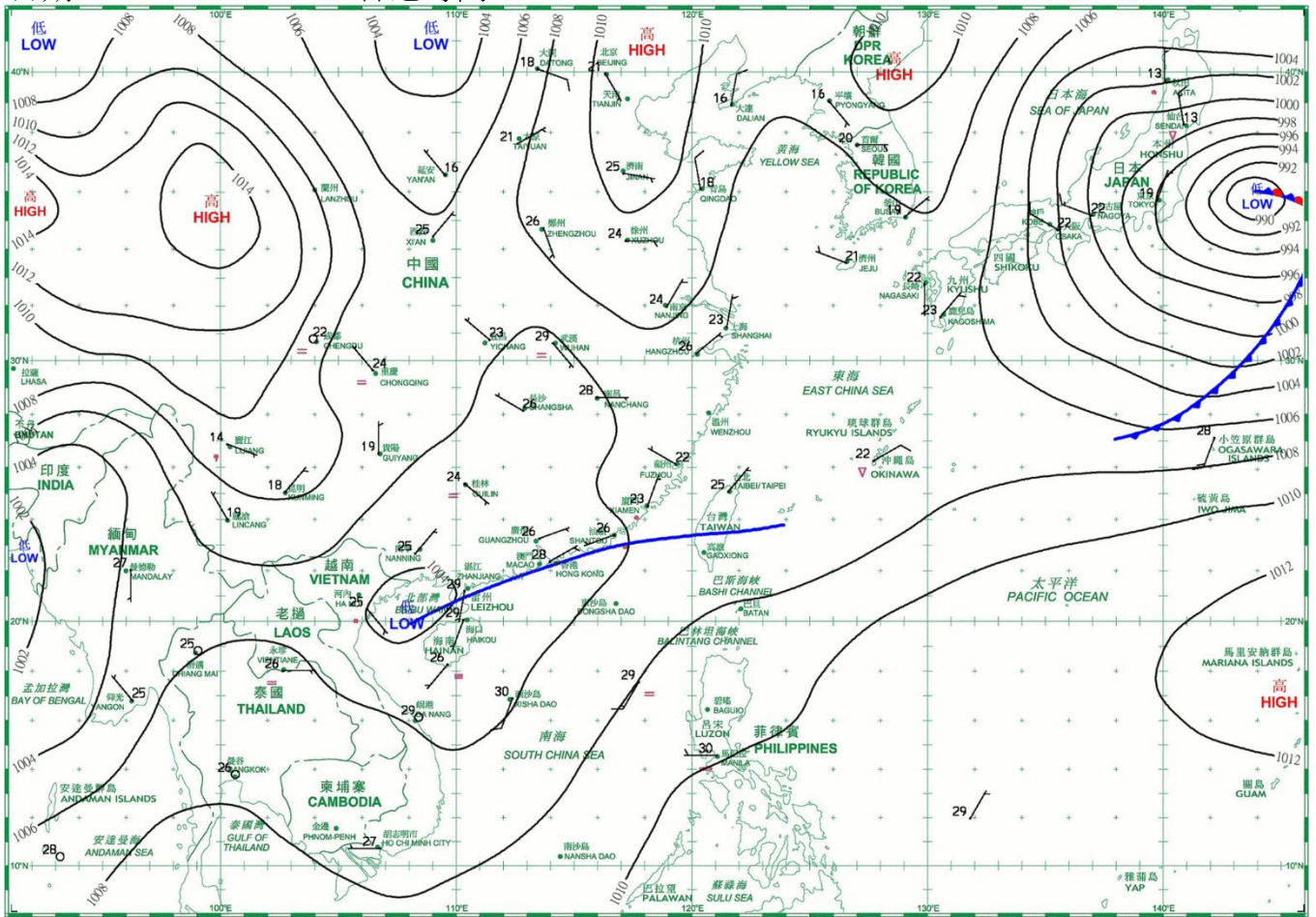
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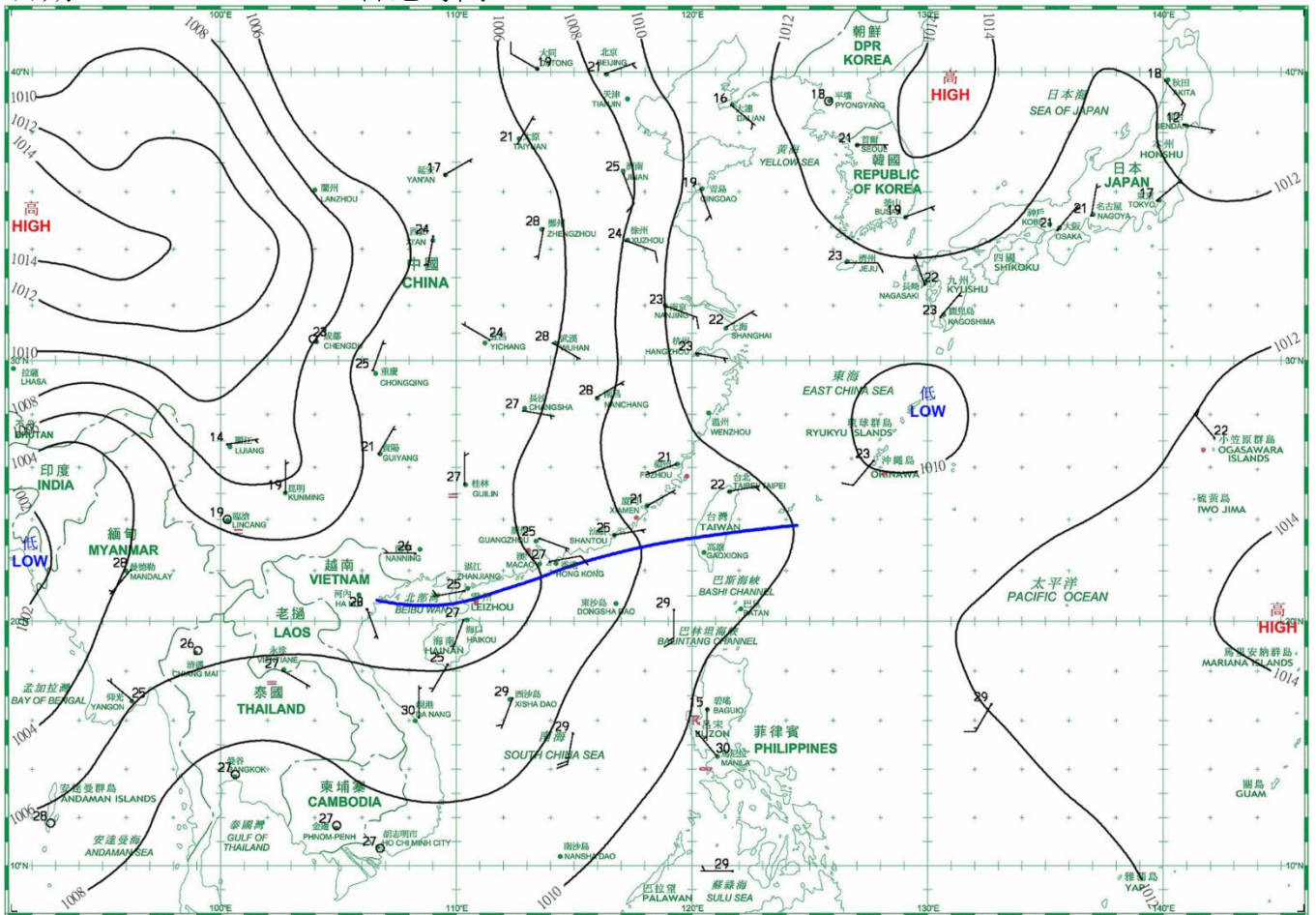
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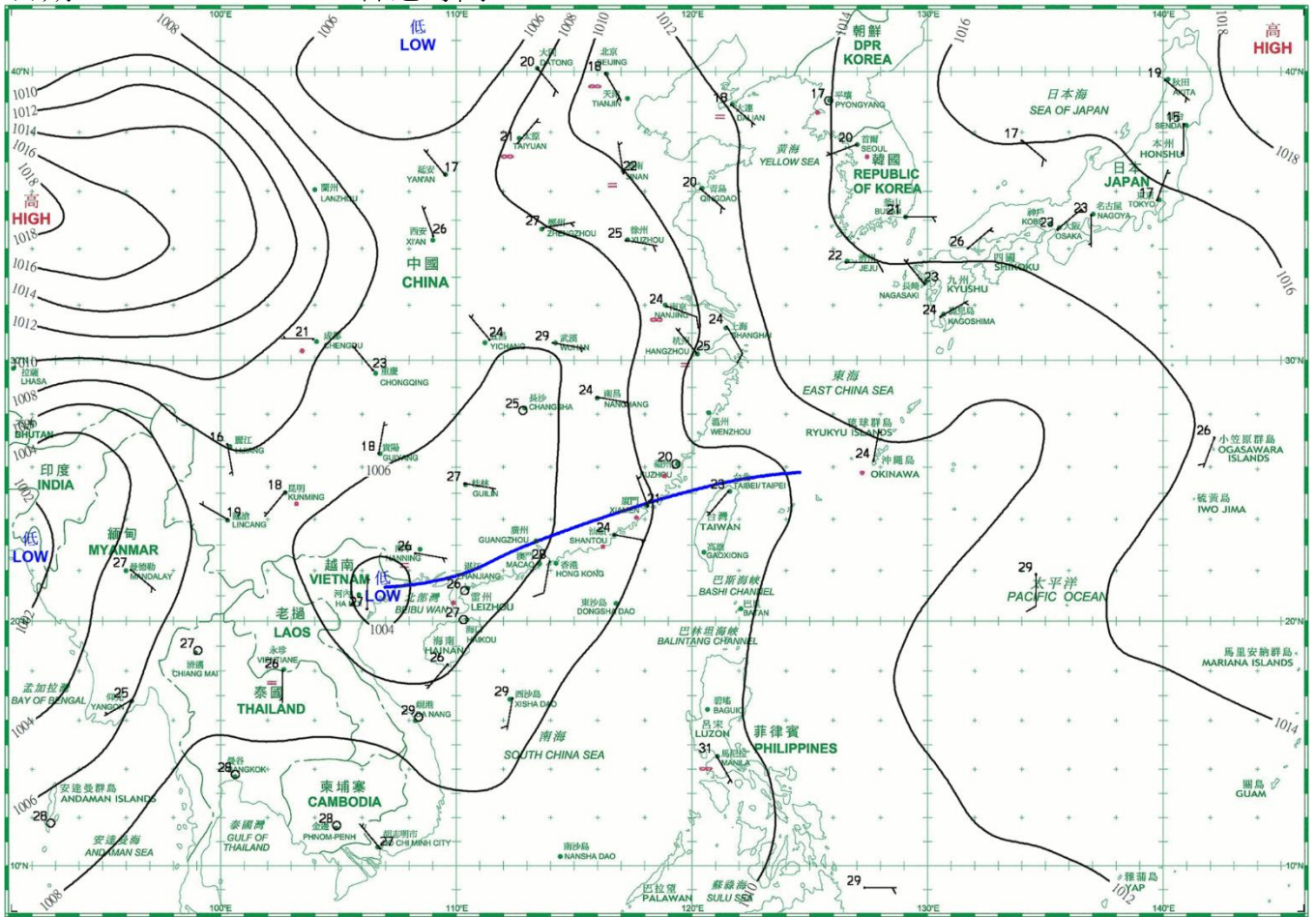
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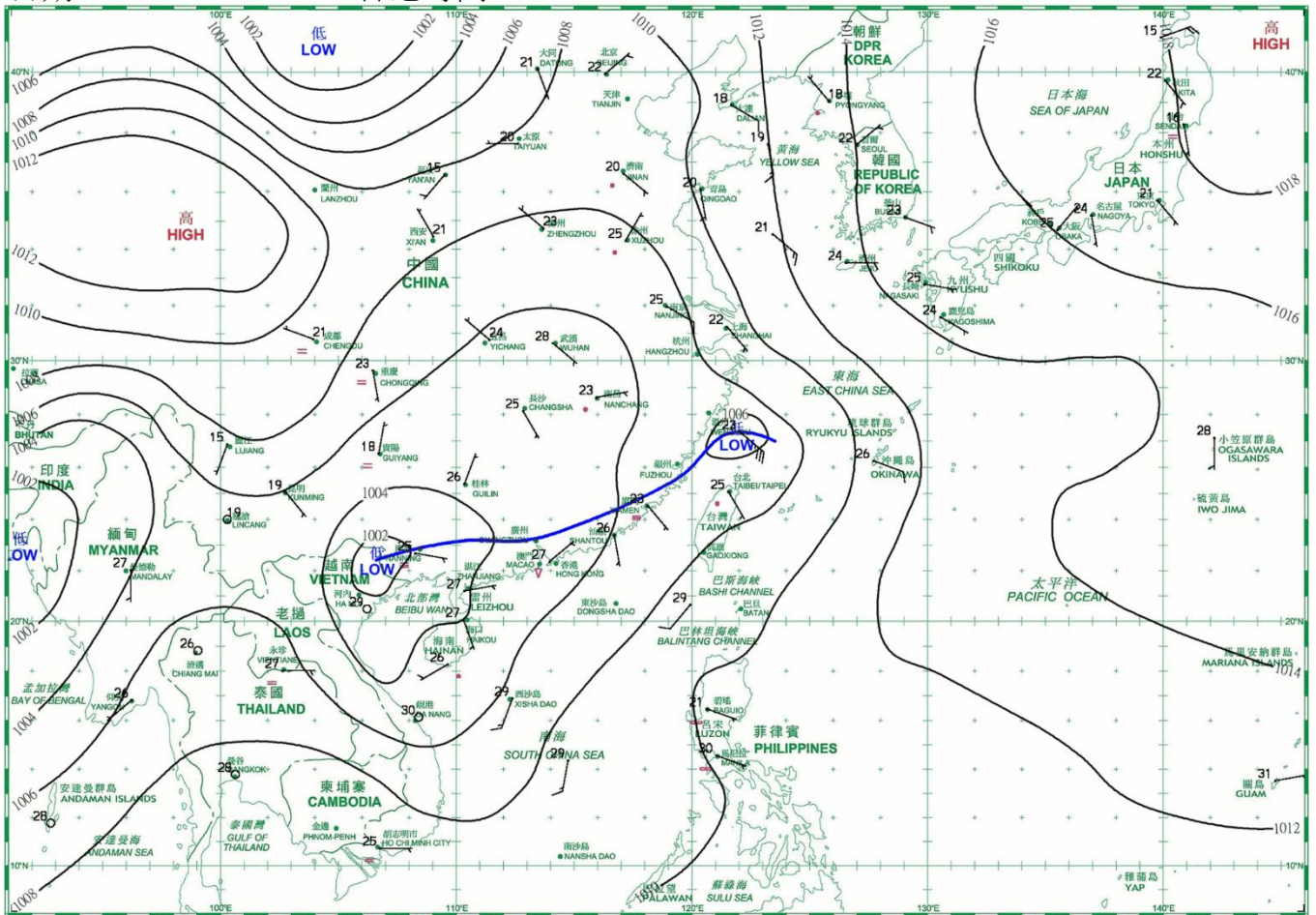
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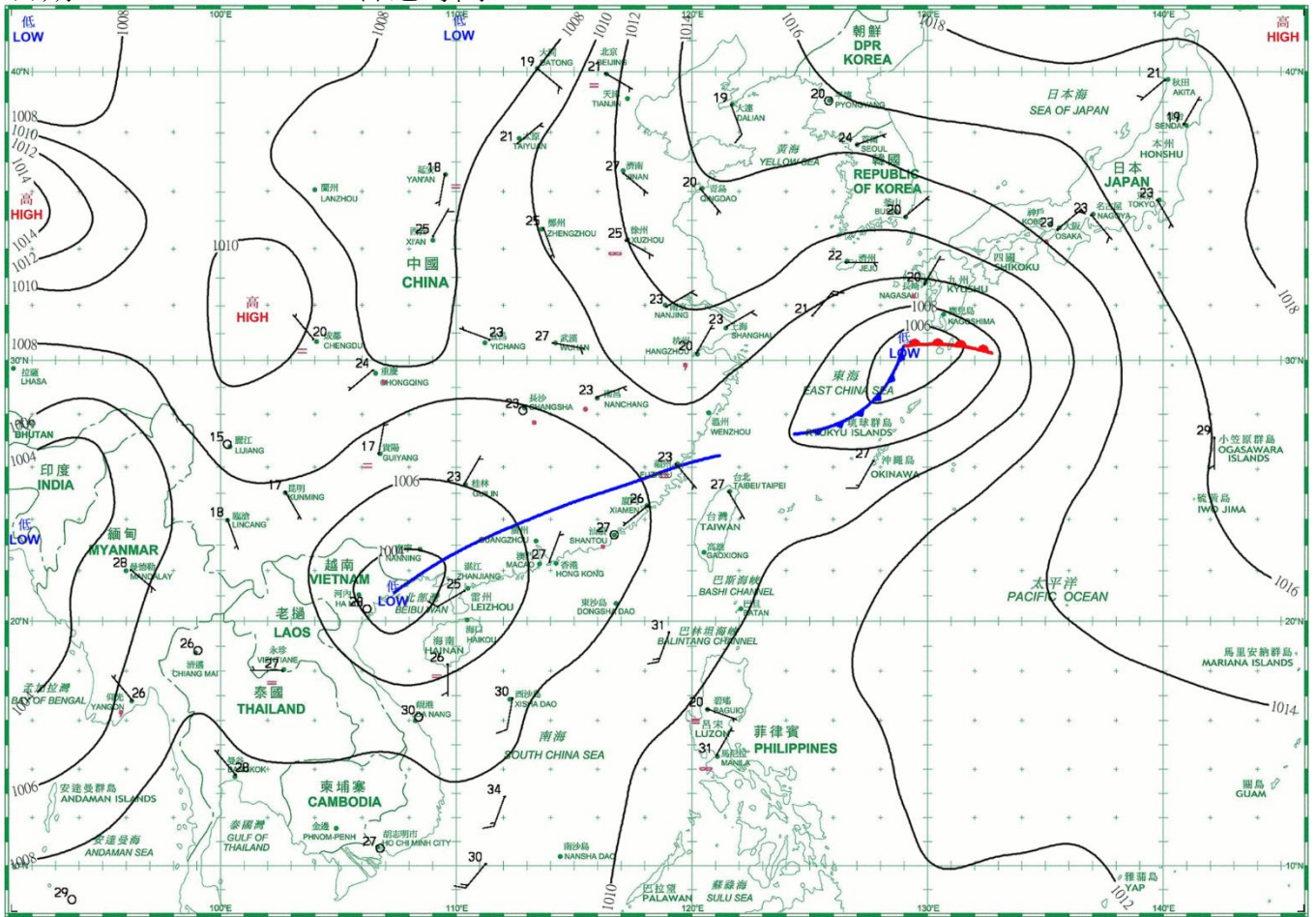
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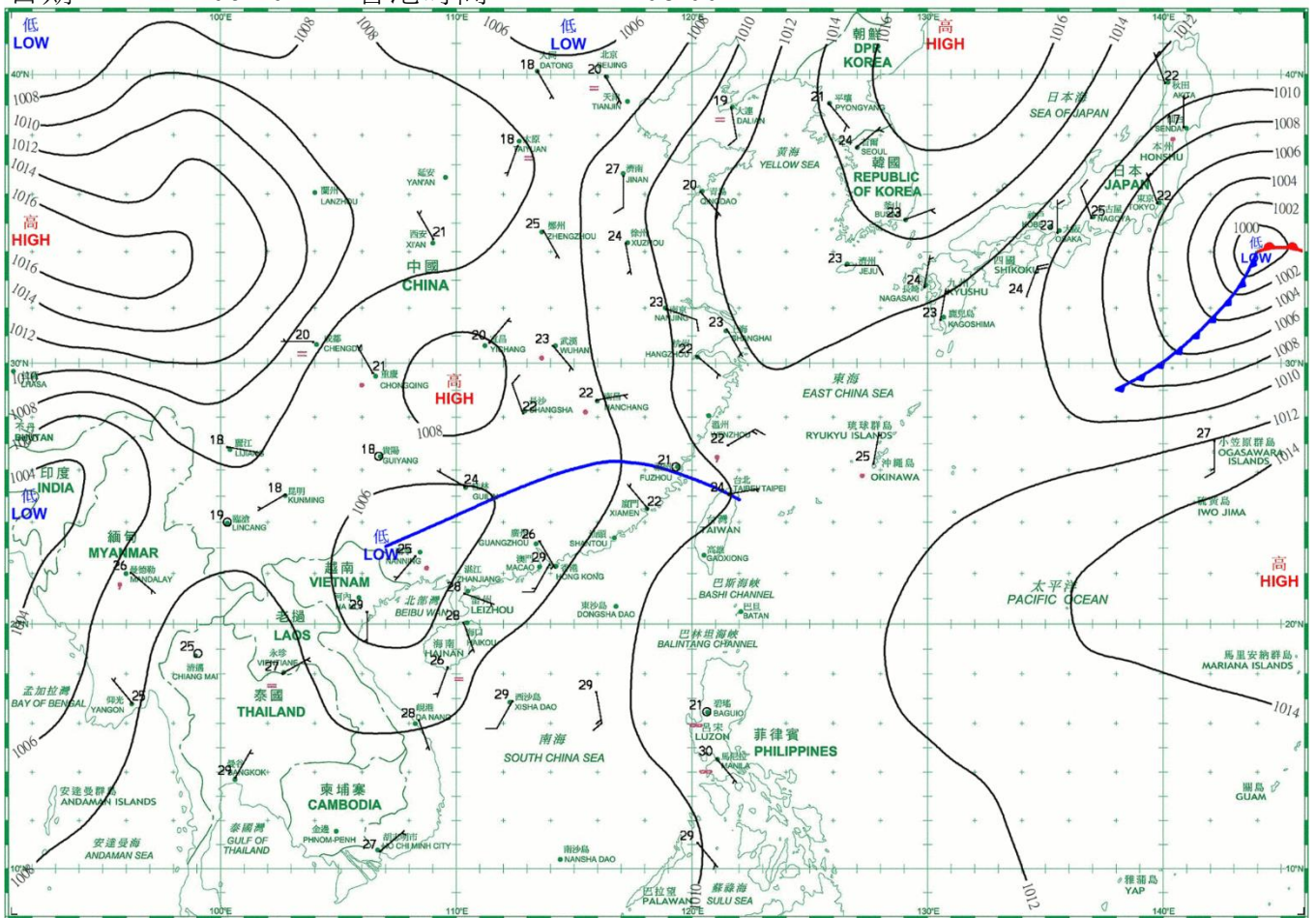
日期/Date: 10.06.2022 香港時間/HK Time: 08:00



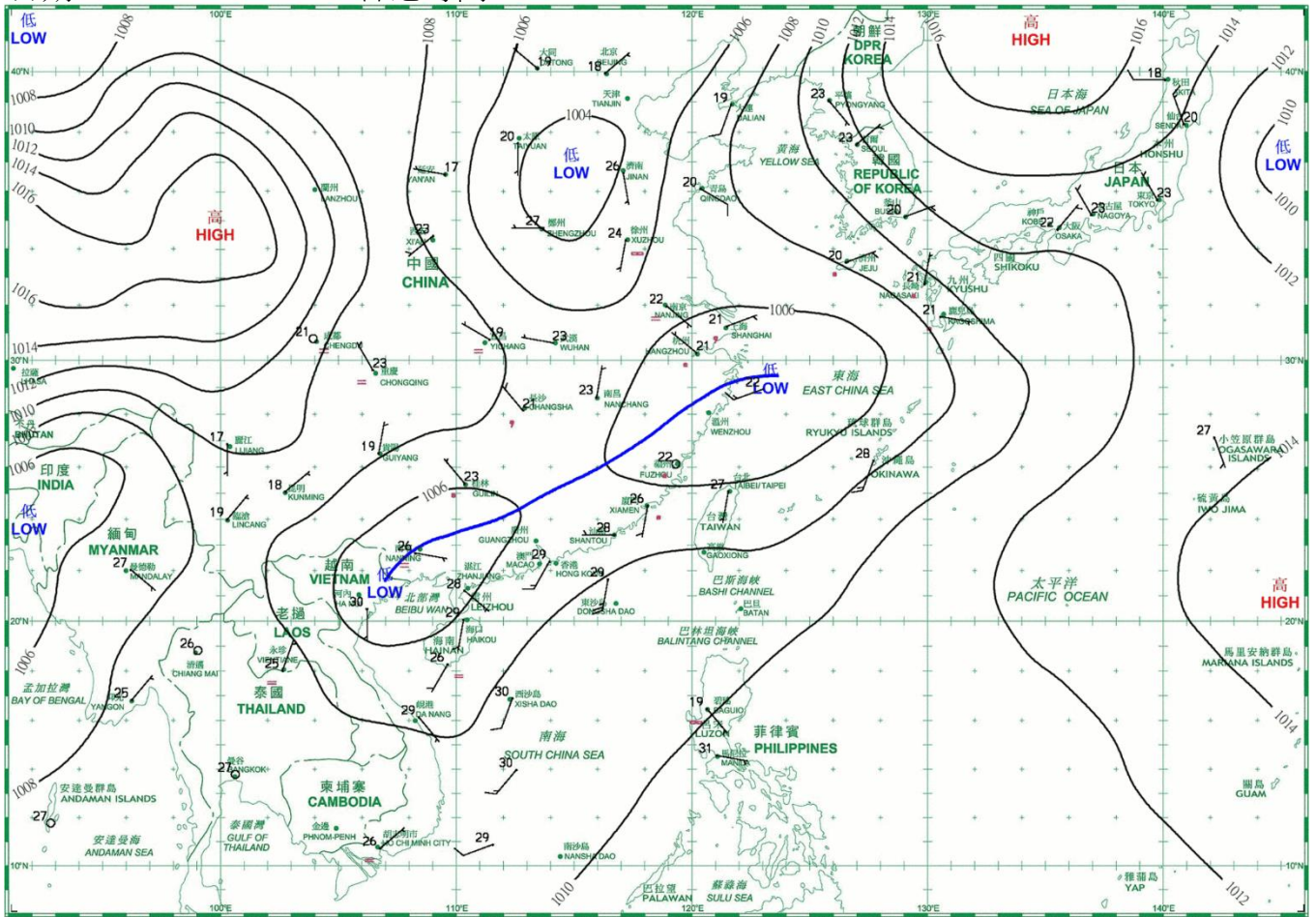
日期/Date: 11.06.2022 香港時間/HK Time: 08:00



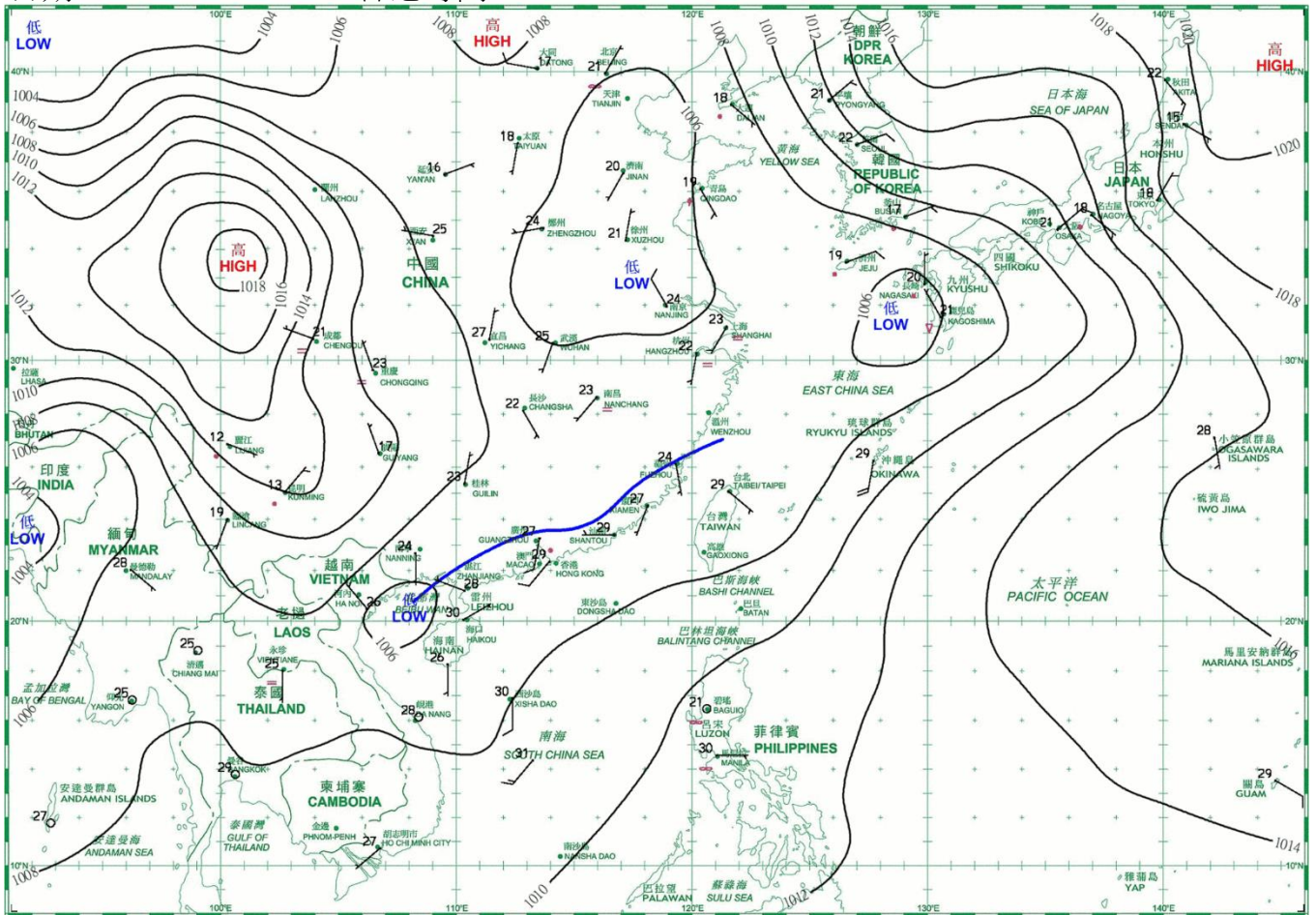
日期/Date: 12.06.2022 香港時間/HK Time: 08:00



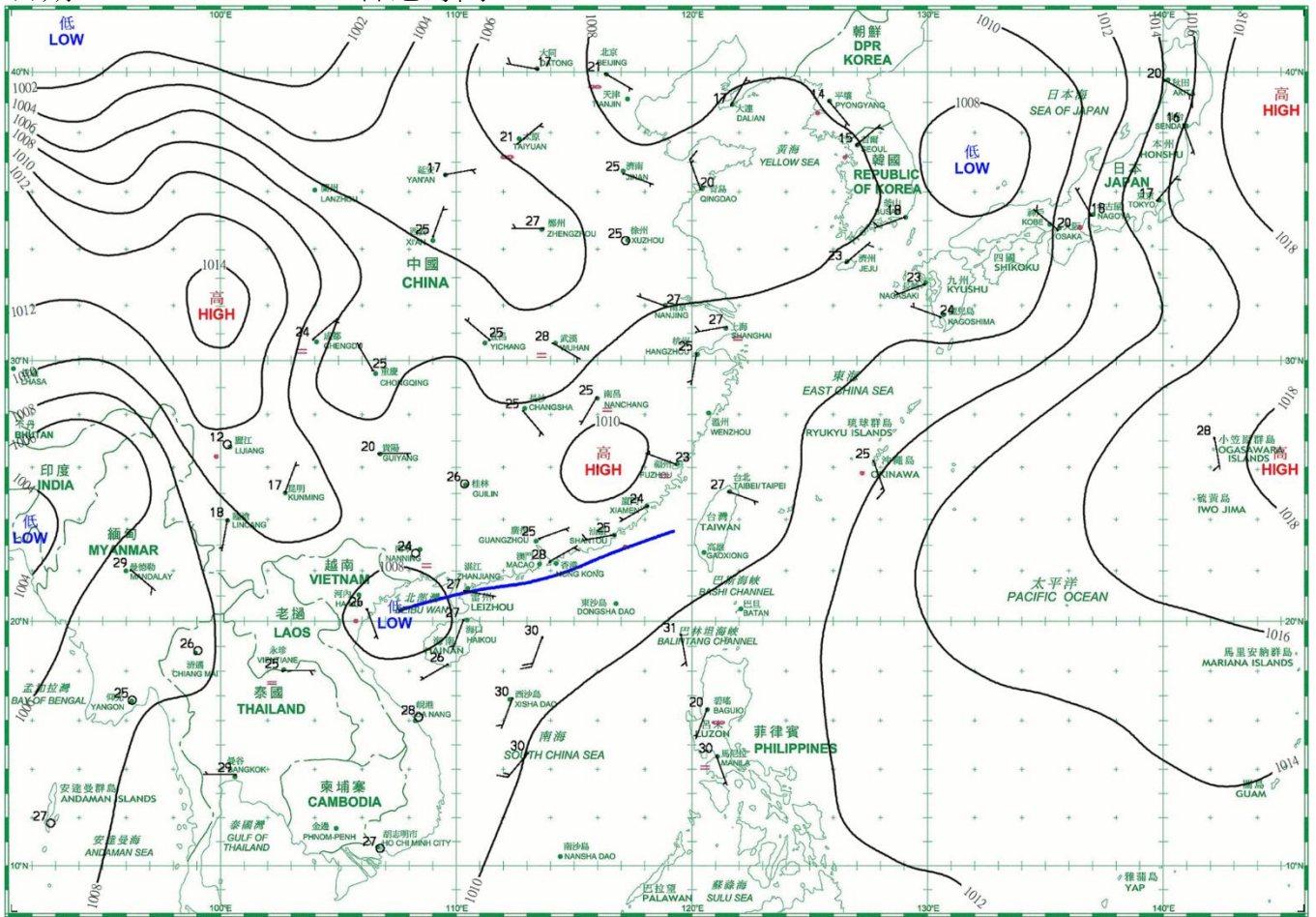
日期/Date: 13.06.2022 香港時間/HK Time: 08:00



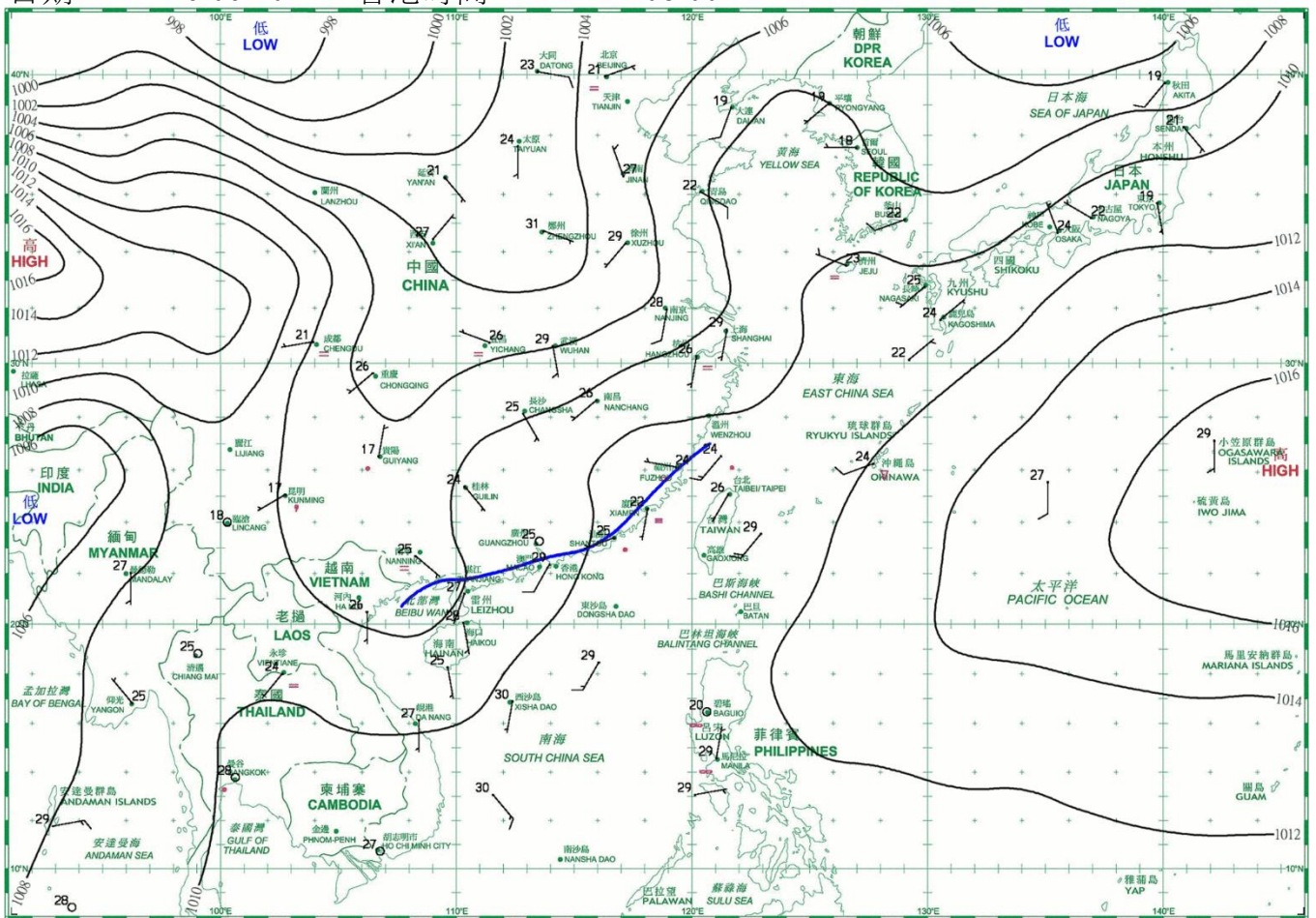
日期/Date: 14.06.2022 香港時間/HK Time: 08:00



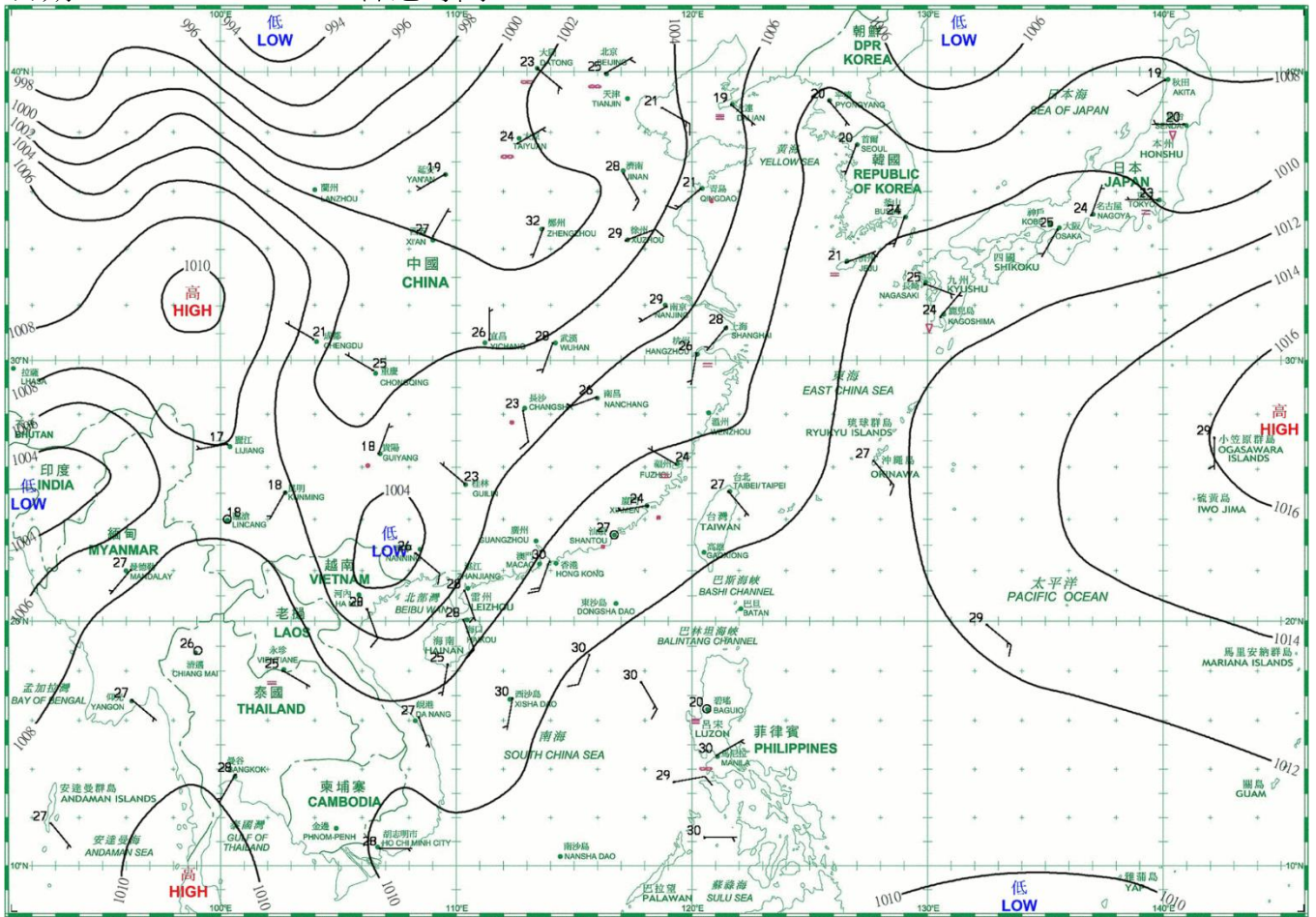
日期/Date: 15.06.2022 香港時間/HK Time: 08:00



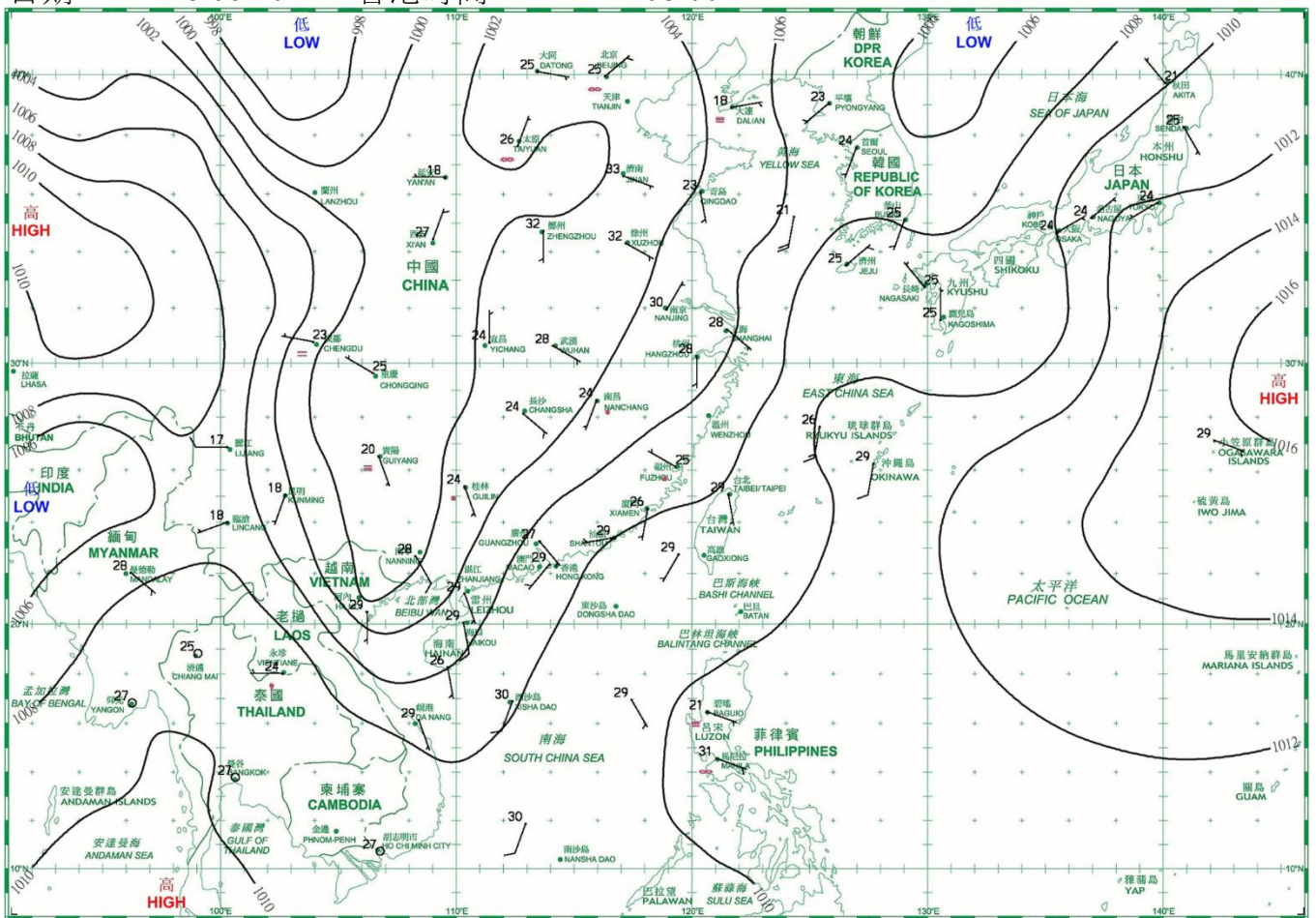
日期/Date: 16.06.2022 香港時間/HK Time: 08:00



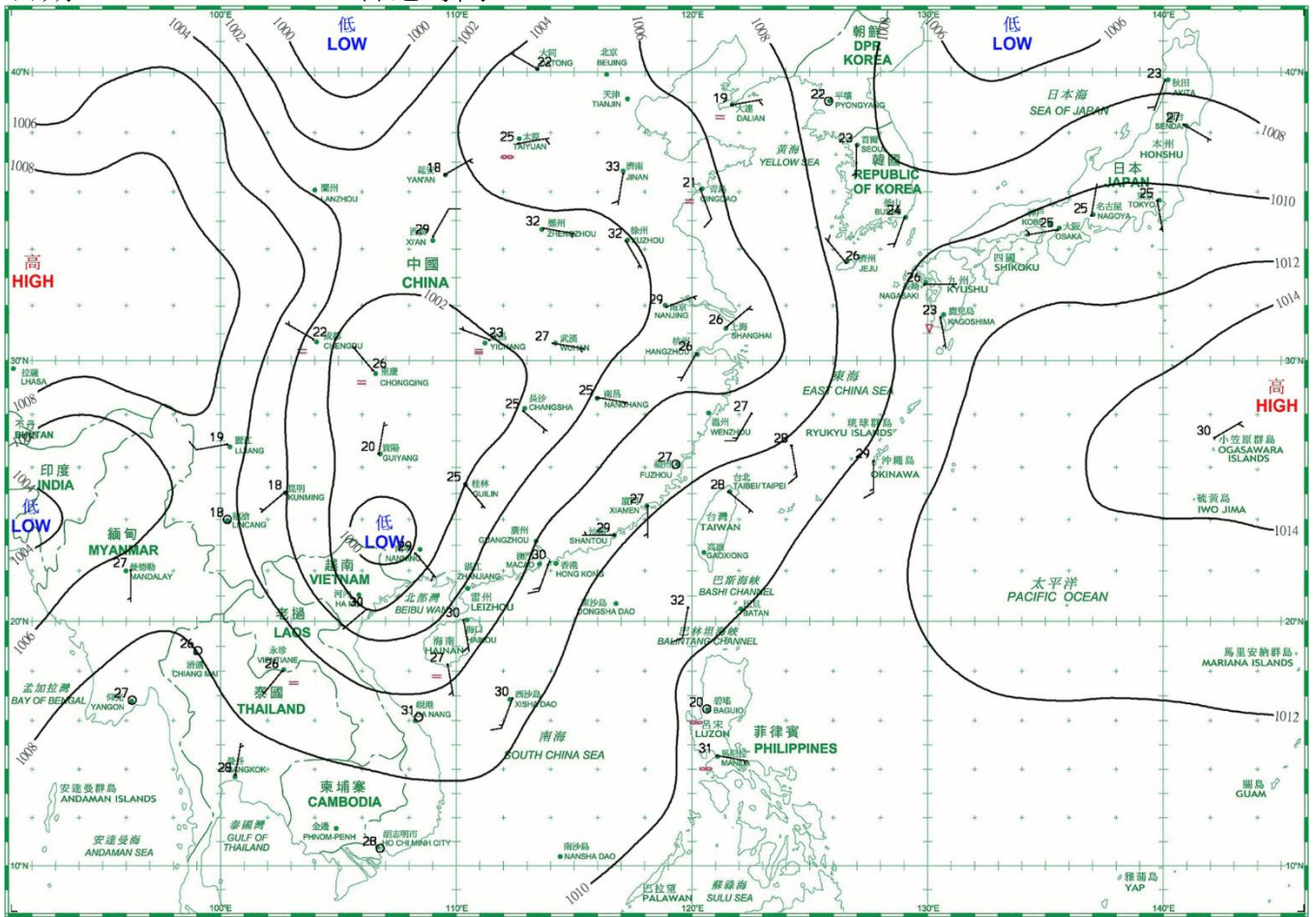
日期/Date: 17.06.2022 香港時間/HK Time: 08:00



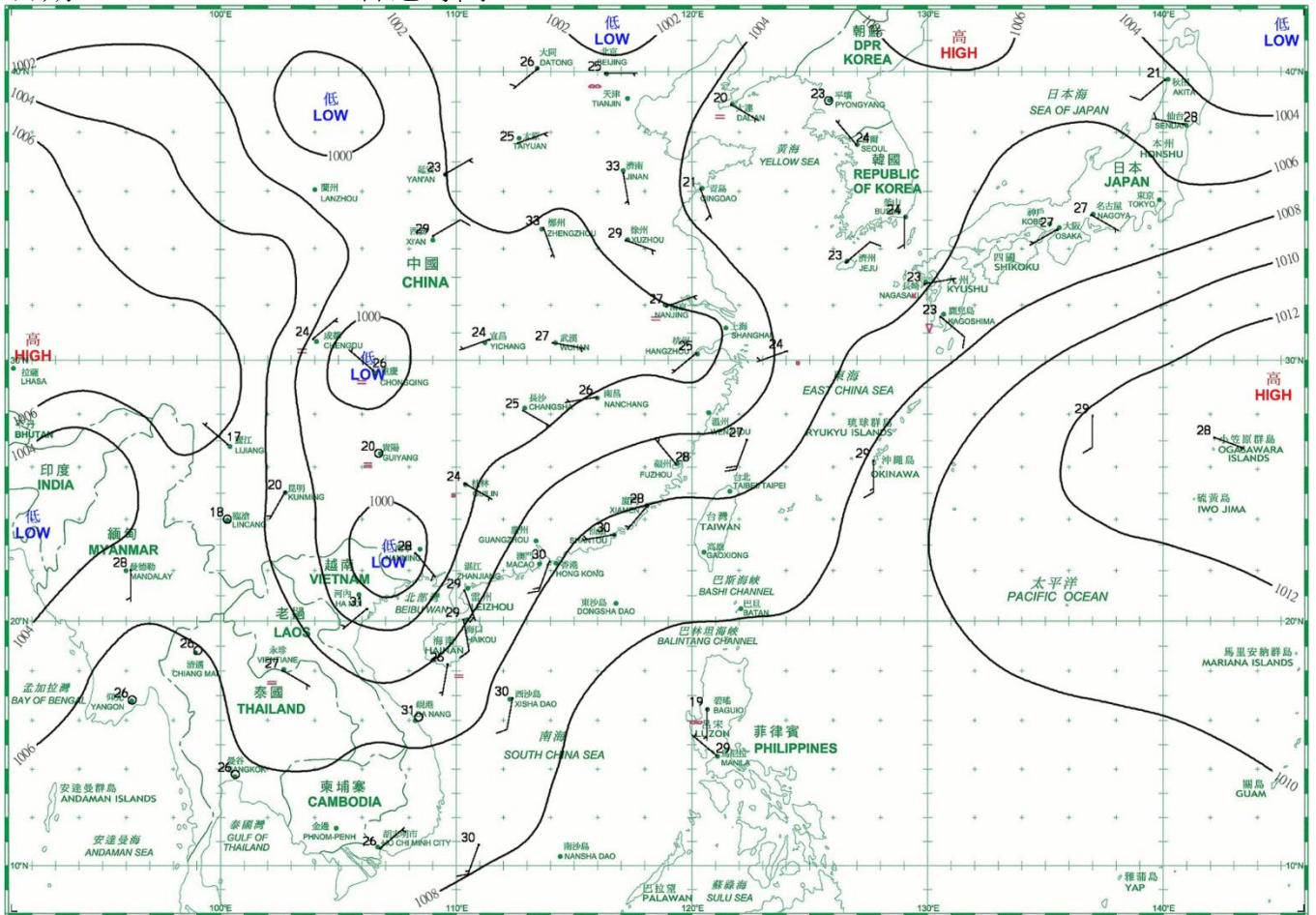
日期/Date: 18.06.2022 香港時間/HK Time: 08:00



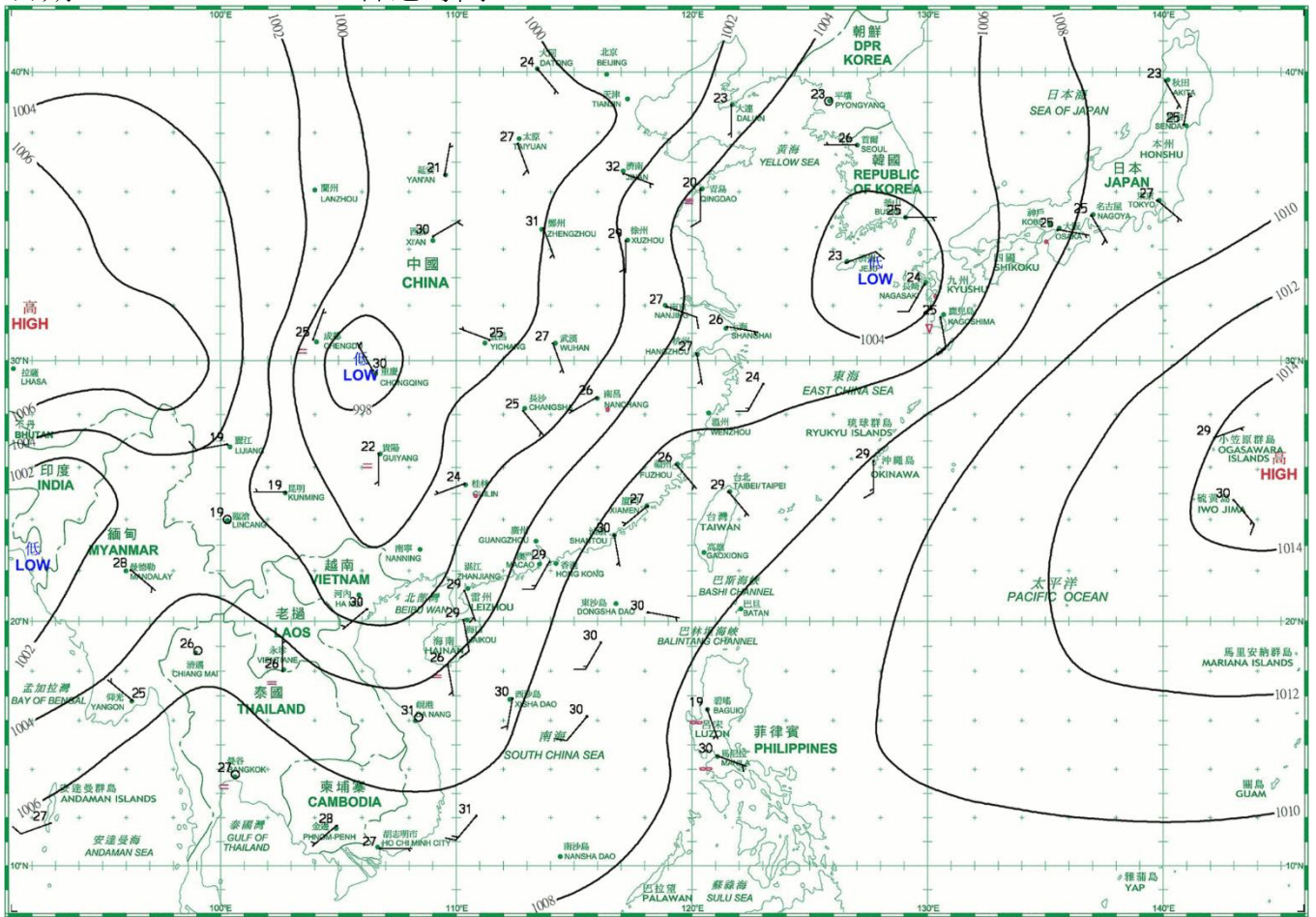
日期/Date: 19.06.2022 香港時間/HK Time: 08:00



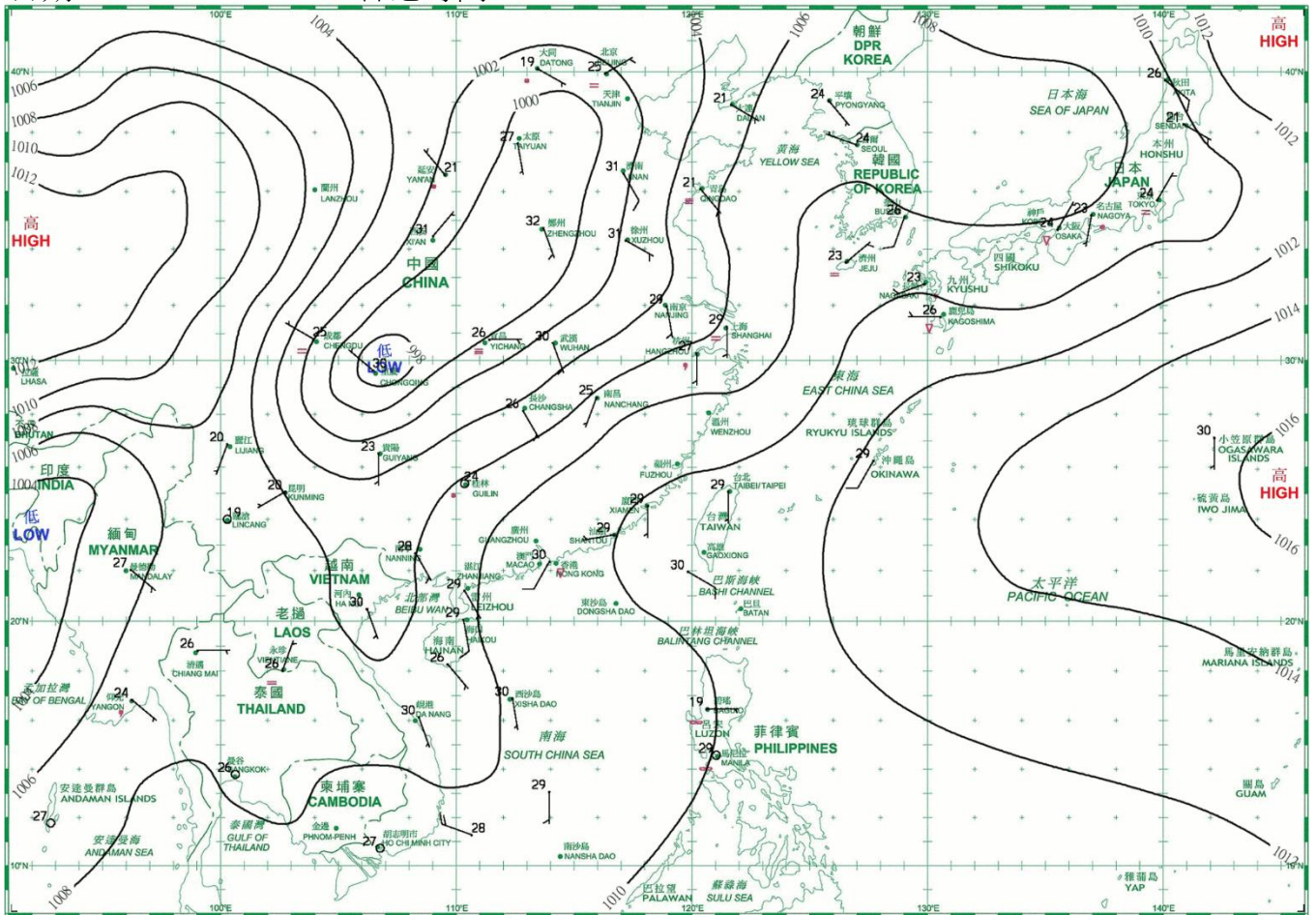
日期/Date: 20.06.2022 香港時間/HK Time: 08:00



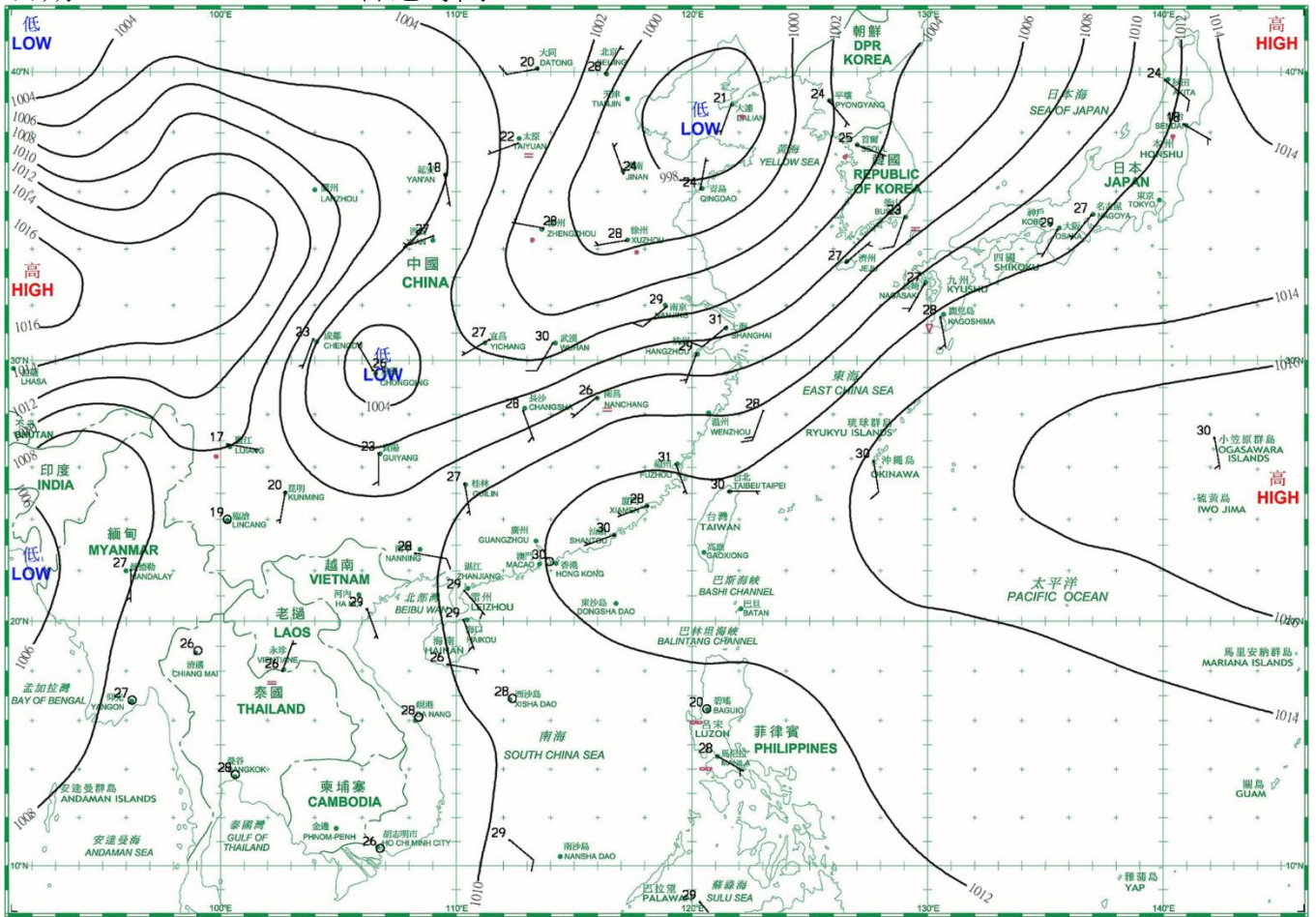
日期/Date: 21.06.2022 香港時間/HK Time: 08:00



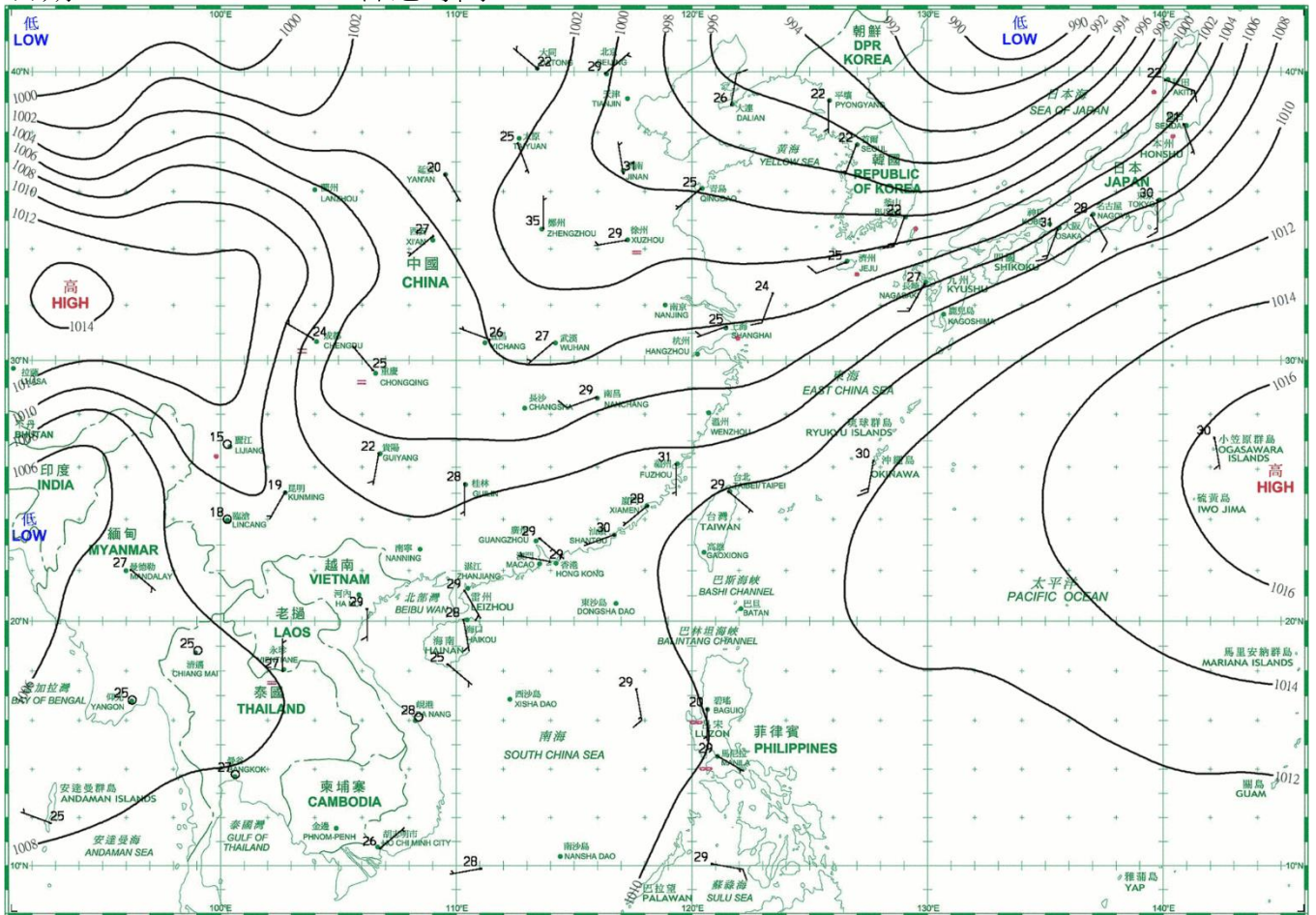
日期/Date: 22.06.2022 香港時間/HK Time: 08:00



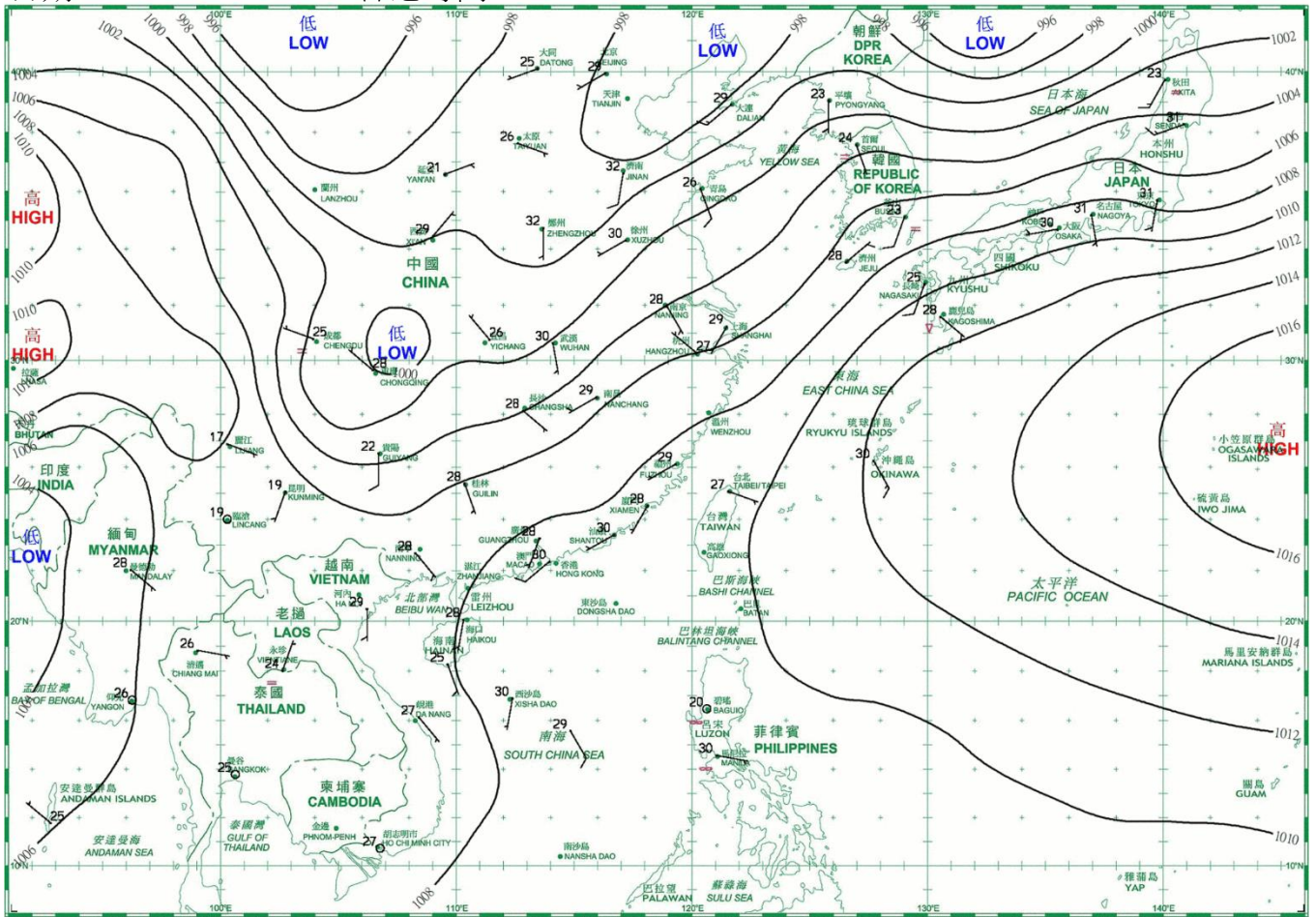
日期/Date: 23.06.2022 香港時間/HK Time: 08:00



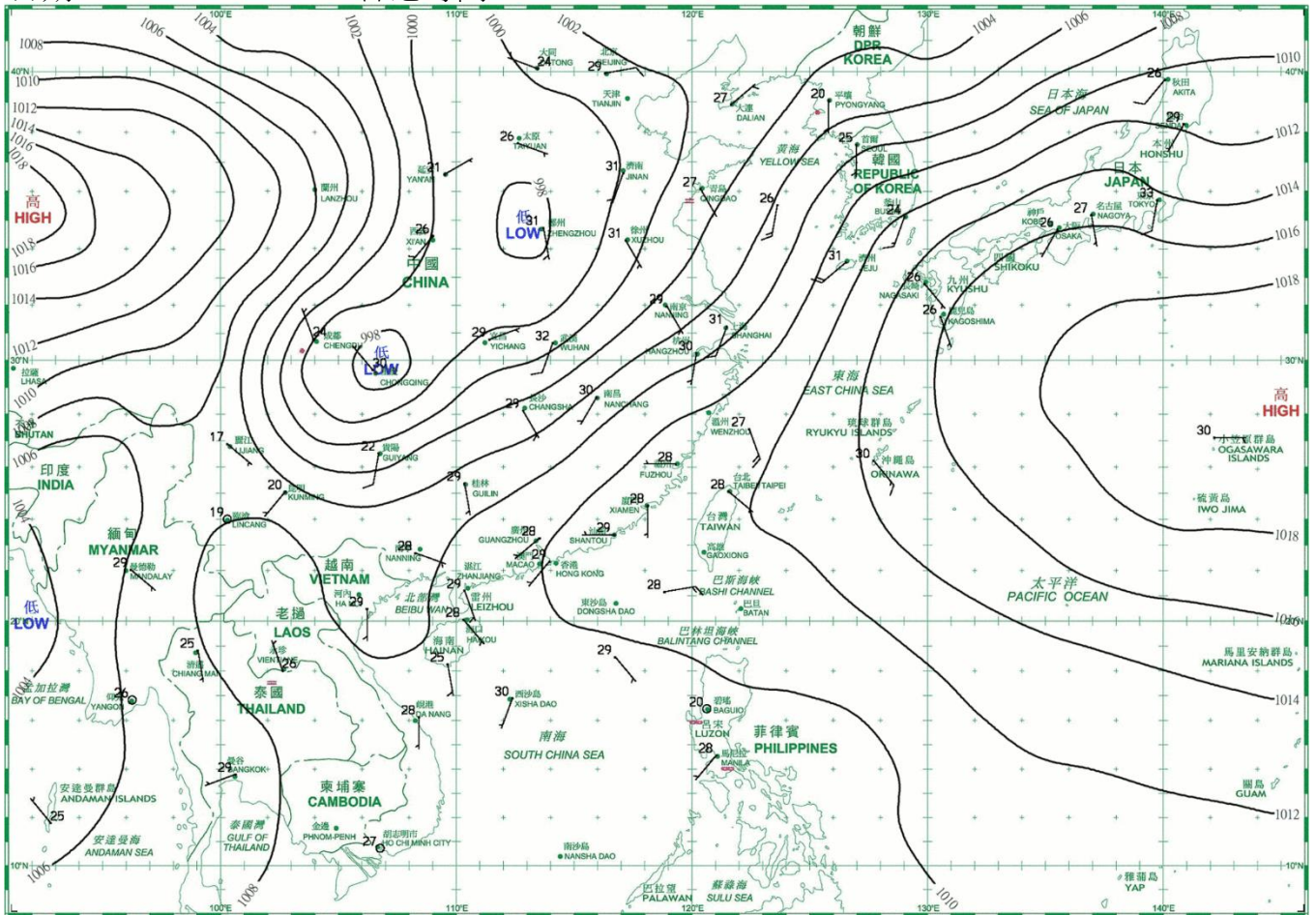
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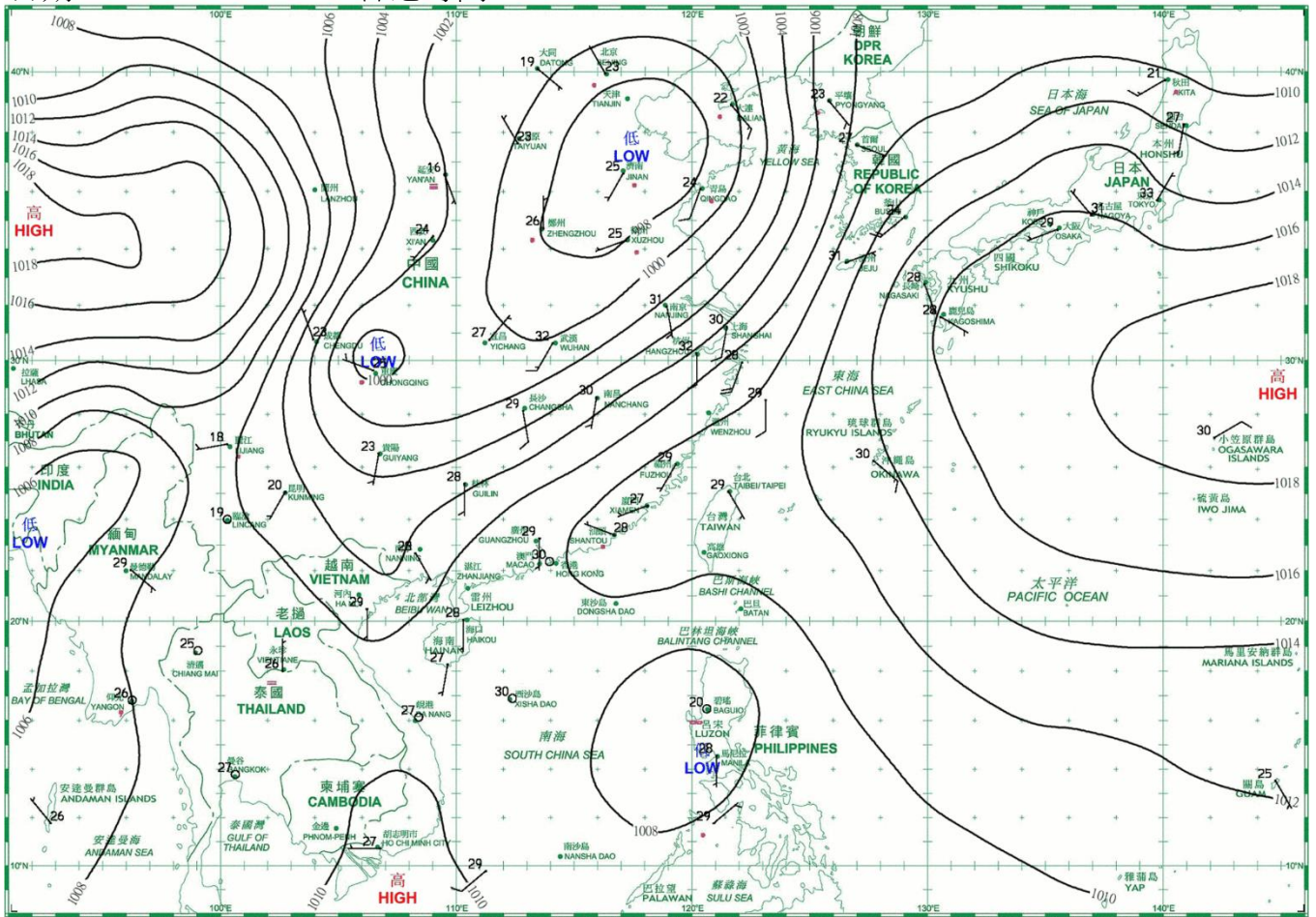
日期/Date: 25.06.2022 香港時間/HK Time: 08:00



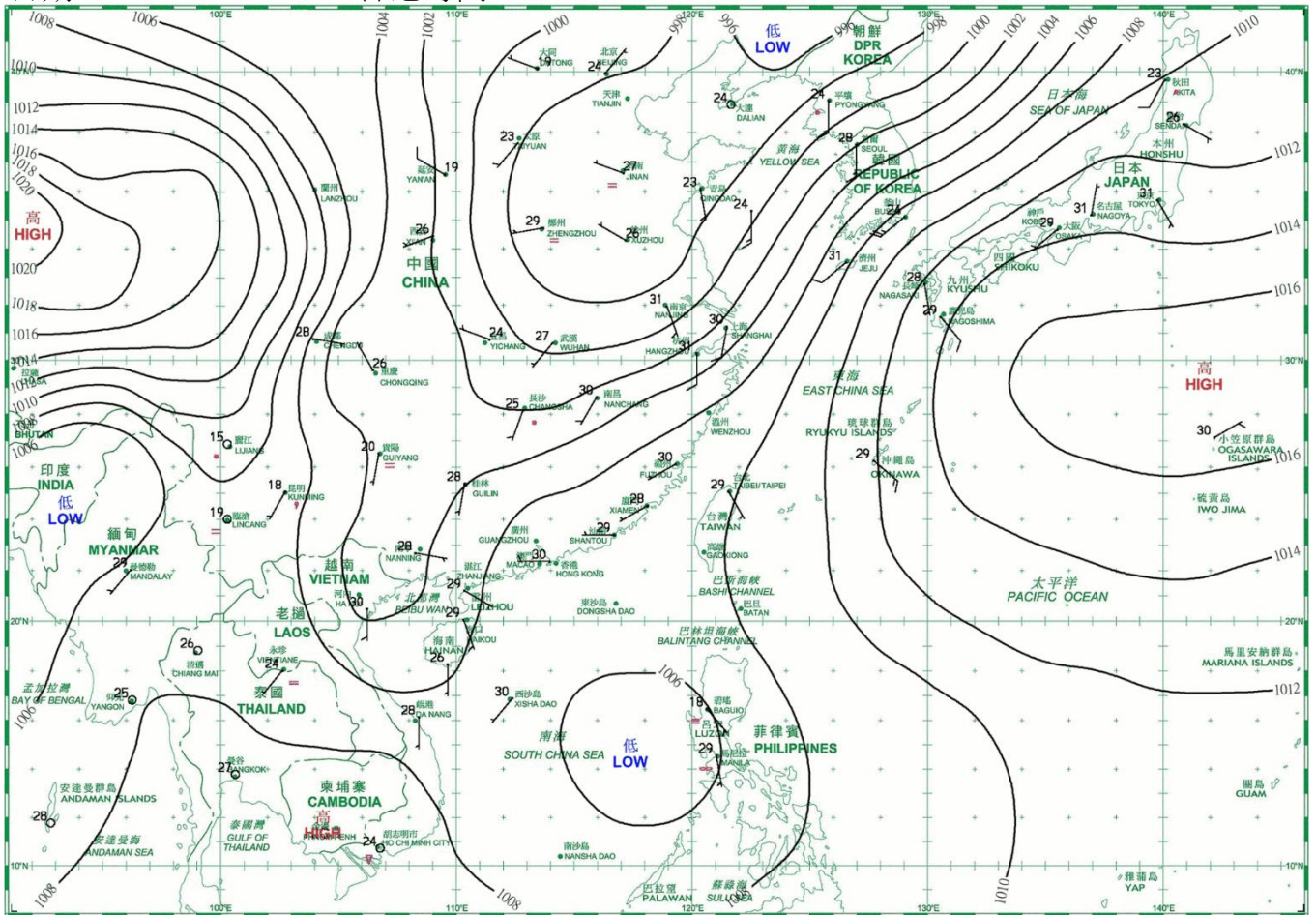
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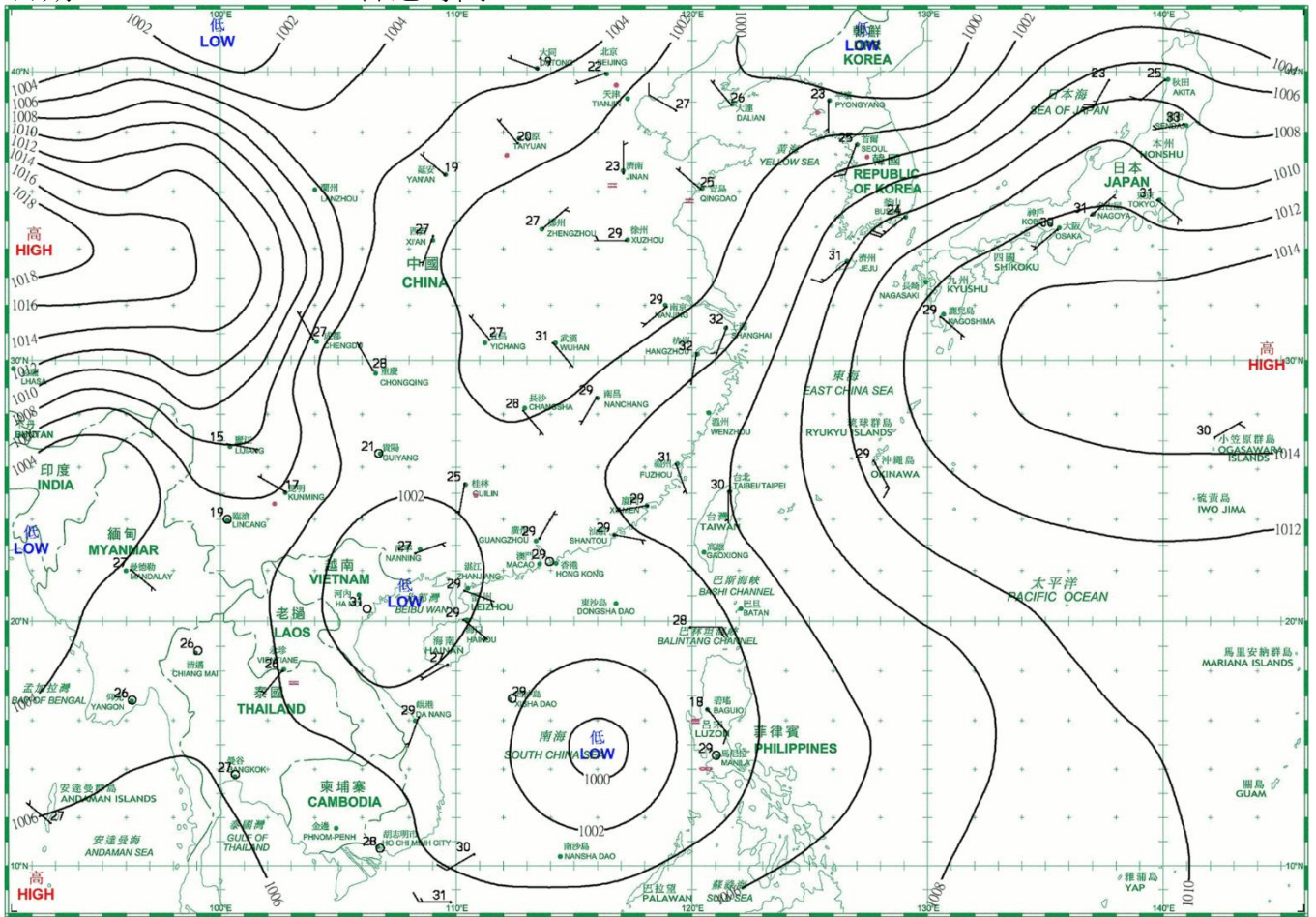
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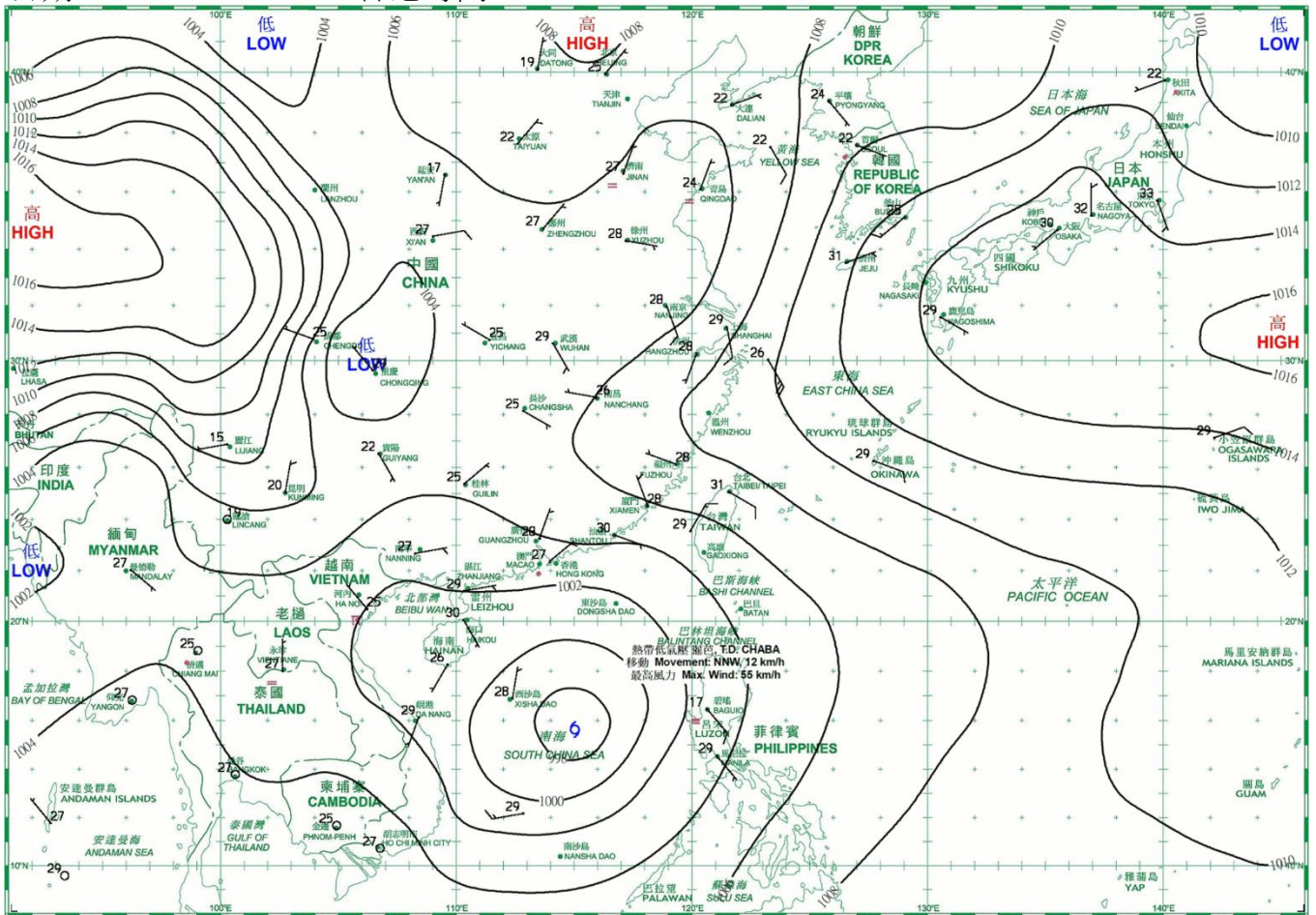
日期/Date: 28.06.2022 香港時間/HK Time: 08:00



日期/Date: 29.06.2022 香港時間/HK Time: 08:00



日期/Date: 30.06.2022 香港時間/HK Time: 08:00



4.1.1 二零二二年六月香港氣象觀測摘錄(一)

4.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), June 2022

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				
六月 June	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1007.1	30.9	28.7	27.0	25.0	81	88	1.2
2	1006.2	31.0	28.8	26.0	24.9	80	85	11.9
3	1005.6	31.2	29.2	28.0	25.5	81	86	1.6
4	1005.8	32.0	29.6	28.6	25.3	78	87	Tr
5	1004.7	32.0	29.6	28.7	25.3	78	87	Tr
6	1003.6	30.6	28.9	27.6	25.7	83	88	2.5
7	1004.5	29.6	27.4	24.6	24.8	86	86	33.8
8	1005.6	28.0	25.8	24.7	24.6	93	86	66.0
9	1005.5	27.9	26.3	25.0	24.6	90	88	28.7
10	1005.4	27.3	26.1	25.0	24.6	92	88	25.8
11	1006.6	29.1	26.8	25.3	24.9	89	88	47.5
12	1007.0	30.3	28.4	25.6	25.4	84	88	2.6
13	1006.4	30.6	28.9	28.1	25.2	80	87	-
14	1007.0	29.3	27.4	24.8	24.9	87	88	42.8
15	1009.2	30.5	26.7	24.0	24.5	88	88	11.0
16	1008.9	30.5	27.6	24.3	24.6	84	88	2.6
17	1007.6	31.0	29.0	28.0	24.9	79	88	1.0
18	1006.8	29.8	28.8	27.5	25.2	81	88	1.3
19	1006.1	30.9	29.3	28.0	25.6	81	88	0.1
20	1004.8	30.4	29.2	27.6	25.4	80	88	2.8
21	1005.9	30.5	29.4	28.6	25.4	80	88	Tr
22	1009.6	31.8	29.5	28.1	25.1	78	85	-
23	1010.4	33.8	30.0	27.9	24.7	74	55	-
24	1008.6	33.4	30.0	27.8	24.3	73	63	-
25	1007.8	32.8	29.6	27.7	24.4	74	70	-
26	1009.3	33.9	30.0	26.8	24.7	74	70	0.3
27	1008.1	33.4	30.1	27.8	24.6	73	73	0.1
28	1005.1	34.4	30.6	28.2	24.7	71	59	-
29	1002.8	33.9	30.2	28.1	25.9	78	82	0.7
30	1002.7	29.6	27.5	25.9	25.5	89	89	64.9
平均/總值 Mean/Total	1006.5	31.0	28.6	26.8	25.0	81	83	349.2
正常* Normal*	1006.1	30.7	28.3	26.5	24.9	82	77	491.5
觀測站 Station	天文台 Hong Kong Observatory							

天文台於六月二十九日 16 時 52 分錄得本月最低氣壓 1001.1 百帕斯卡。

The minimum pressure recorded at the Hong Kong Observatory was 1001.1 hectopascals at 1652 HKT on 29 June.

天文台於六月二十八日 13 時 49 分錄得本月最高氣溫 34.4 °C。

The maximum air temperature recorded at the Hong Kong Observatory was 34.4 °C at 1349 HKT on 28 June.

天文台於六月十五日 22 時 53 分錄得本月最低氣溫 24.0 °C。

The minimum air temperature recorded at the Hong Kong Observatory was 24.0 °C at 2253 HKT on 15 June.

天文台於六月十一日 14 時 50 分錄得本月最高1分鐘平均降雨率 137 毫米/小時。

The maximum 1-minute mean rainfall rate recorded at King's Park was 137 millimetres per hour at 1450 HKT on 11 June.

* 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)

4.1.2 二零二二年六月香港氣象觀測摘錄(二)

4.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), June 2022

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
六月 June	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	2.1	12.93	2.5	200	17.7
2	0	4.2	16.43	2.8	210	23.9
3	0	1.1	11.24	2.3	200	29.8
4	0	6.3	20.38	5.4	220	33.3
5	0	6.5	21.65	4.8	220	32.5
6	0	1.8	9.33	1.8	230	27.0
7	0	0.5	7.52	1.0	240	20.8
8	0	-	2.06	0.1	100	17.8
9	0	0.5	5.92	0.5	230	16.3
10	0	-	4.79	0.2	230	18.3
11	0	0.2	6.53	0.8	190	17.4
12	0	1.6	11.01	2.9	220	27.5
13	0	2.7	15.31	3.6	230	30.6
14	0	-	4.28	0.5	230	24.8
15	0	1.4	11.29	1.5	280	8.0
16	0	1.5	11.81	1.8	220	15.5
17	0	4.5	17.52	3.5	220	26.3
18	0	0.3	8.60	1.6	200	27.3
19	0	2.3	11.55	2.7	190	28.0
20	0	1.0	10.26	2.8	200	29.5
21	0	0.4	9.54	2.5	190	23.7
22	0	4.3	16.84	3.3	180	14.7
23	0	10.7	24.44	5.0	170	12.4
24	0	11.6	27.81	6.2	220	10.7
25	0	11.6	25.44	5.1	240	15.0
26	0	10.6	26.93	5.6	190	11.9
27	0	9.2	23.34	5.3	210	11.6
28	0	11.8	27.20	5.4	150	7.8
29	0	7.1	20.59	5.0	070	21.4
30	0	0.3	7.35	0.2	080	31.9
平均/總值 Mean/Total	0	116.1	14.33	86.7	220	21.1
正常* Normal*	14.2 §	144.3	14.61	113.8	220	21.6
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 [^]	

橫瀾島於六月八日 15 時 30 分錄得本月最高陣風 85 公里/小時，風向 250 度。

The maximum gust peak speed recorded at Waglan Island was 85 kilometres per hour from 250 degrees at 1530 HKT on 08 June.

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/normal.s.htm)

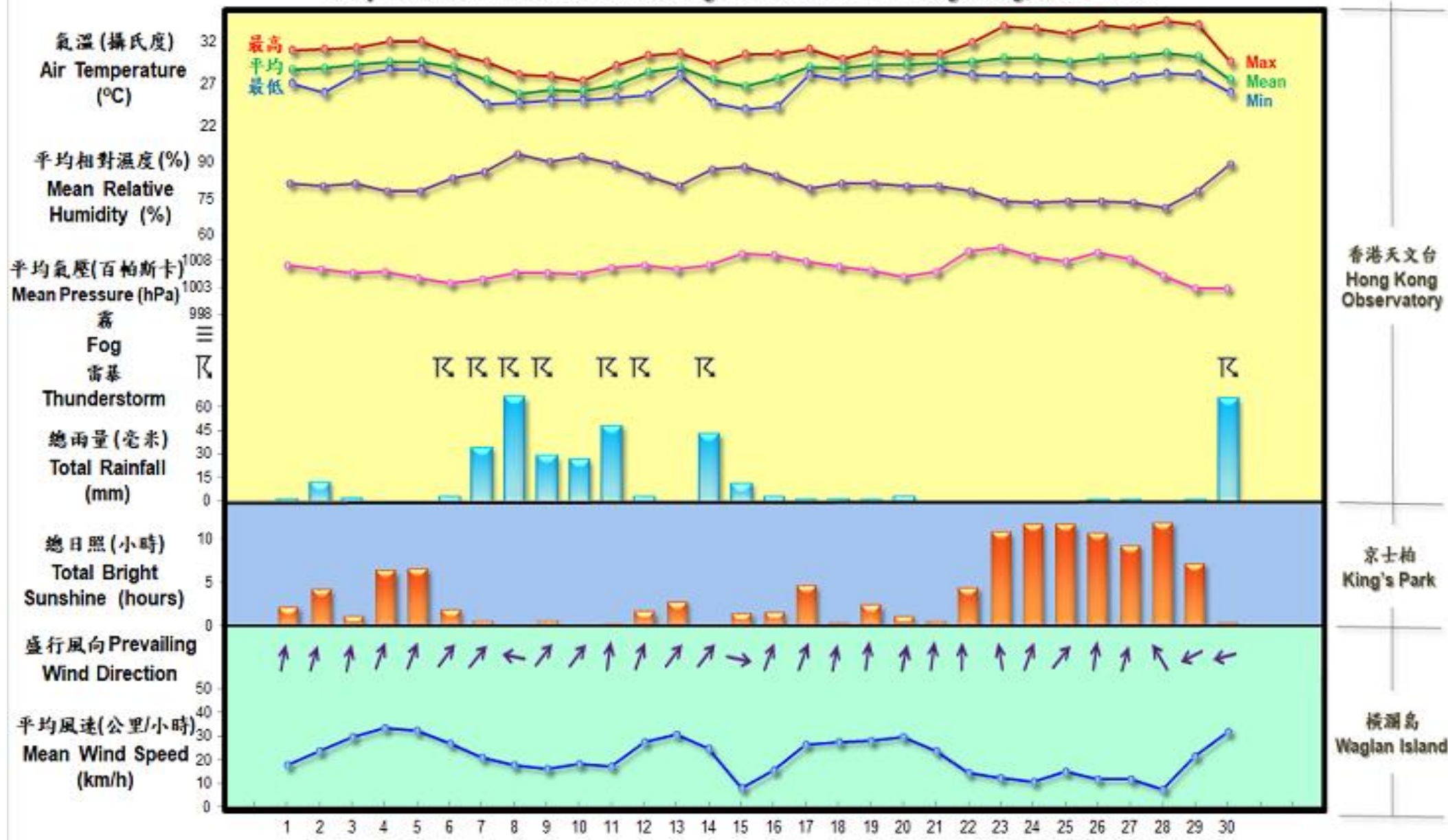
* 1991-2020 Climatological normal, unless otherwise specified (http://www.hko.gov.hk/en/cis/normal/1991_2020/normal.s.htm)

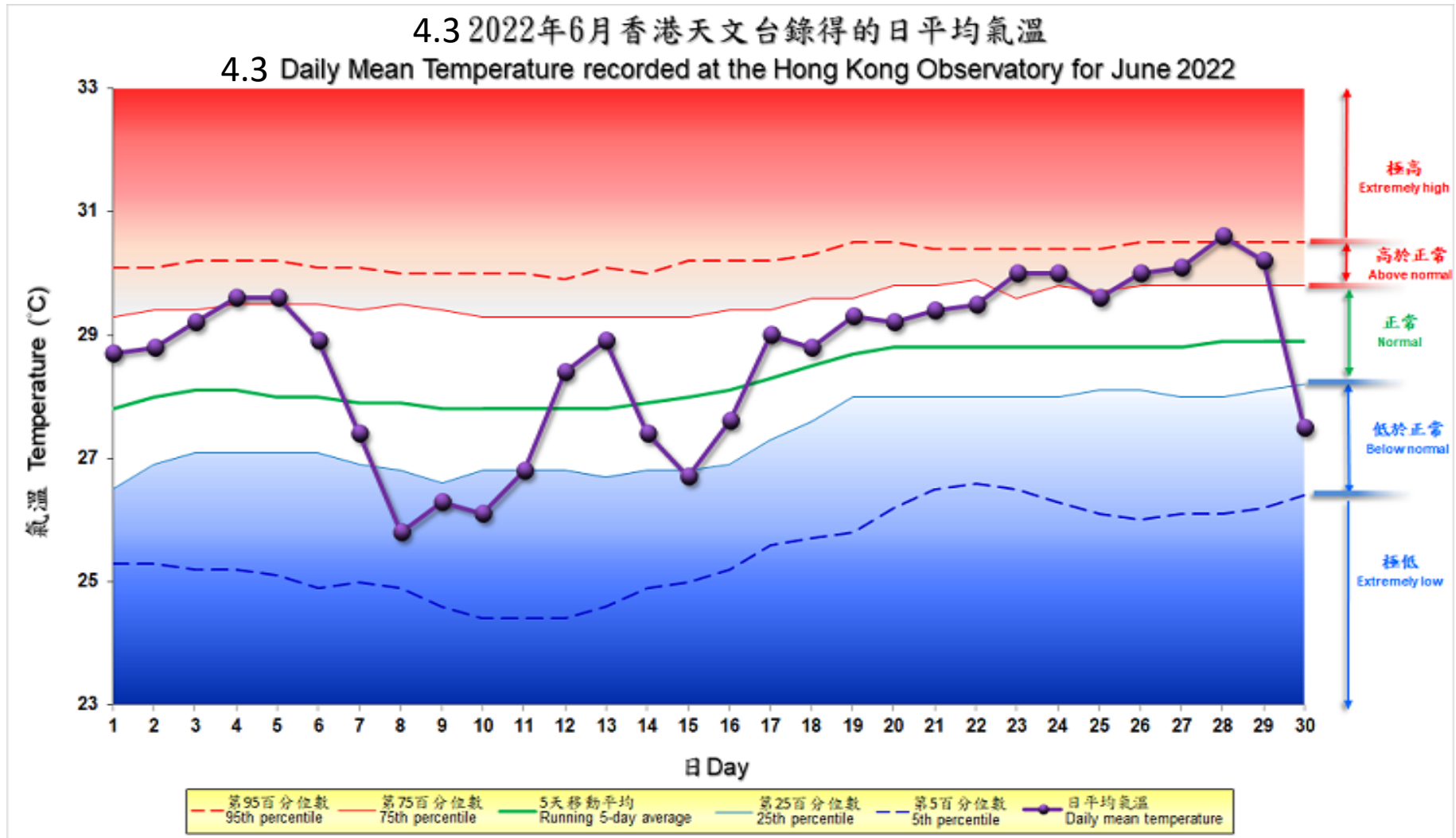
§ 1997-2021 平均值

§ 1997-2021 Mean value

4.2 2022年6月部分香港氣象要素的每日記錄

4.2 Daily Values of Selected Meteorological Elements for Hong Kong, June 2022





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