

每月天氣摘要

二零二二年四月

Monthly Weather Summary

April 2022

目錄

	頁
1. 二零二二年四月天氣回顧	1
2. 二零二二年四月影響北太平洋西部和南海的熱帶氣旋	6
3. 二零二二年四月每日天氣圖	9
4. 二零二二年四月氣象觀測資料	24

Contents

	<u>Page</u>
1. Weather Review of April 2022	2
2. Tropical Cyclones over the western North Pacific and the South China Sea in April 2022	6
3. Daily Weather Maps for April 2022	9
4. Meteorological Observations for April 2022	24

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1. 二零二二年四月天氣回顧

由於月內大部分時間香港受乾燥東北季候風影響及輸送到華南沿岸的水汽較少，二零二二年四月本港遠較正常少雨。全月總雨量為 3.5 毫米，只是正常值 153.0 毫米的約百分之 2，是有記錄以來最少雨的四月。本年首四個月的累積雨量為 268.8 毫米，較同期正常值 300.4 毫米少約百分之 11。此外，本月平均相對濕度為百分之 73，是自 1961 年以來四月份的低紀錄。本月亦遠較正常多陽光，月內的總日照為 191.1 小時，較正常值 113.2 小時多約百分之 69，是有記錄以來四月份第五高。二零二二年四月較正常溫暖，本月平均氣溫 23.7 度，較正常值 23 度高 0.7 度。

一道冷鋒於四月一日早上橫過廣東沿岸，受其相關的東北季候風影響，四月首兩天香港多雲及有幾陣雨，天氣相當清涼，天文台氣溫於四月二日下降至全月最低的 13.7 度。受一股乾燥的東北季候風影響，四月三日及四日本港普遍天晴。四月三日、四日及八日日間天氣亦非常乾燥，四月八日天文台錄得的相對濕度曾下降至百分之 22，是天文台總部自 1984 年設置自動氣象站以來四月份的低紀錄。

在微風的情況下，四月十一日及十二日本港大致天晴，日間天氣炎熱。受高空擾動影響，四月十三日早上本港天氣轉為大致多雲及有幾陣驟雨。部分地區能見度頗低，橫瀾島的能見度曾下降至 1000 米以下。受高空反氣旋及隨後一股清勁至強風程度的乾燥東北季候風影響，其後兩日本港天晴及天氣乾燥。

受一股達強風程度的東北季候風影響，四月十六及十七日本港大致多雲及風勢頗大。受覆蓋華南的雲帶及隨後的高空擾動影響，其後兩日本港多雲及有幾陣驟雨。隨著東北季候風緩和及雲層轉薄，四月二十日及二十一日本港陽光逐漸增多。

受一股潮濕的偏南氣流影響，四月二十二日本港大致多雲，早上有薄霧。四月二十三至二十七日本港天氣炎熱，日間部分時間有陽光。此外，四月二十三日至二十五日及二十七日早上沿岸有霧，四月二十五日橫瀾島的能見度曾降至 200 米左右。在高空反氣旋支配下，除四月二十九日早上沿岸有霧外，四月二十八日及二十九日本港日間大致天晴及炎熱。在陽光充沛情況下，四月二十九日下午天文台氣溫上升至全月最高的 32.0 度。受一股清勁至強風程度的偏東氣流影響，本月最後一日本港天氣轉為大致多雲及有驟雨，當日早上沿岸亦有霧。

本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 April 2022

With dry northeast monsoon affecting Hong Kong and less moisture supply to the south China coast for most of the time in the month, April 2022 was much drier than usual in Hong Kong. The total rainfall in the month was 3.5 millimetres, only about 2 percent of the normal figure of 153.0 millimetres and the lowest on record for April. The accumulated rainfall recorded in the first four months of the year was 268.8 millimetres, about 11 percent below the normal figure of 300.4 millimetres for the same period. Moreover, the monthly mean relative humidity was 73 percent, the lowest on record for April since 1961. The month was also much sunnier than usual, the total duration of bright sunshine in the month was 191.1 hours, about 69 percent above the normal of 113.2 hours and the fifth highest on record for April. April 2022 was warmer than usual with a mean temperature of 23.7 degrees, 0.7 degree above the normal of 23.0 degrees.

A cold front moved across the coast of Guangdong on the morning of 1 April. Under the influence of the associated northeast monsoon, the weather of Hong Kong was cloudy and rather cool with a few rain patches on the first two days of the month. The temperature at the Observatory dropped to a minimum of 13.7 degrees on 2 April, the lowest of the month. Affected by a dry northeast monsoon, the weather of Hong Kong was generally fine on 3 – 10 April. It was also very dry during the day on 3 – 4 and 8 April. The relative humidity recorded at the Observatory once dropped to 22 percent on 8 April, the lowest on record in April since the automatic weather station was established at the Observatory's Headquarters in 1984.

Under light wind conditions, local weather was generally fine and hot during the day on 11 – 12 April. Affected by an upper-air disturbance, the weather turned mainly cloudy with a few showers on the morning of 13 April. The visibility was also rather low in some areas and once fell below 1000 metres at Waglan Island. Under the influence of an anticyclone aloft and the subsequent fresh to strong dry northeast monsoon, sunny and dry weather returned on the next two days.

Under the influence of a strong northeast monsoon, the weather of Hong Kong turned mainly cloudy and rather windy on 16 - 17 April. Affected by the cloud bands over southern China and the subsequent upper-air disturbance, it was cloudy with a few showers in the next two days. With the moderation of the northeast monsoon and thinning out of the cloud band, local weather gradually became sunnier on 20 – 21 April.

Affected by a humid southerly airstream, local weather was mainly cloudy with morning mist on 22 April. The weather became hot with sunny periods during the day on 23 - 27 April. There were also coastal fog on the mornings of 23 – 25 and 27 April. The visibility at Waglan Island once fell to around 200 metres on 25 April. Dominated by an anticyclone aloft, apart from coastal fog on the morning of 29 April, the weather of Hong Kong was generally fine and hot during the day on 28 – 29 April. With plenty of sunshine, the temperature at the Observatory rose to a

maximum of 32.0 degrees on the afternoon of 29 April, the highest of the month. Affected by a fresh to strong easterly airstream, the weather turned mainly cloudy with showers on the last day of the month. There was also coastal fog in that morning.

Two tropical cyclones occurred over the South China Sea and the western North Pacific in April 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 二零二二年四月發出的警告及信號
Table 1.1 Warnings and Signals issued in April 2022

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
1/4	0445	2/4	1530
15/4	0700	17/4	0920

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
23/4	0055	23/4	0230

酷熱天氣警告

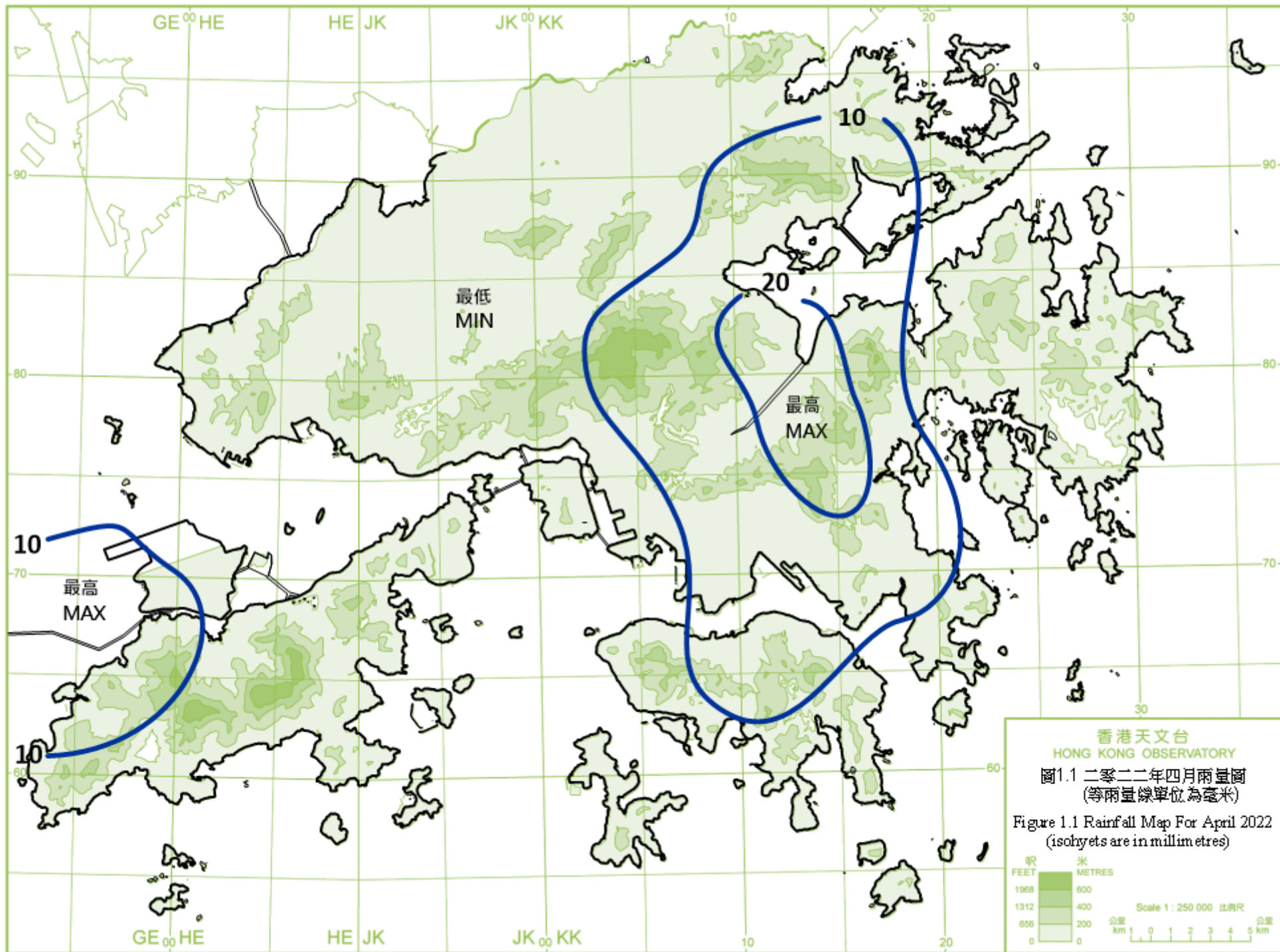
Very Hot Weather Warning

開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour
29/4	0645	29/4	1800

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
紅色 Red	3/4	0600	3/4	2230
紅色 Red	4/4	0600	5/4	2000
紅色 Red	8/4	0600	8/4	2230
黃色 Yellow	9/4	0600	9/4	2115
黃色 Yellow	10/4	0600	10/4	2100
黃色 Yellow	15/4	0600	15/4	1945
黃色 Yellow	16/4	0600	16/4	1800
黃色 Yellow	17/4	0600	17/4	1800
黃色 Yellow	18/4	0600	18/4	1800



2.1 二零二二年四月熱帶氣旋概述

二零二二年四月在北太平洋西部出現了兩個熱帶氣旋。

熱帶低氣壓馬勒卡於四月七日早上在雅蒲島之東南偏東約 1 320 公里的北太平洋西部上形成，大致向西北方向移動並逐漸增強。馬勒卡於四月十二日早上發展為颱風，轉向東北方向移動，移向硫黃島一帶。四月十四日凌晨馬勒卡進一步增強為超強颱風並達到其最高強度，中心附近最高持續風速估計為每小時 185 公里。隨後馬勒卡開始減弱，最後在四月十五日於日本以東海域演變為一股溫帶氣旋。

熱帶低氣壓鮎魚於四月九日早上在馬尼拉之東南偏東約 780 公里的北太平洋西部上形成，向偏西方向緩慢移向菲律賓並逐漸增強。翌日早上鮎魚增強為熱帶風暴並達到其最高強度，中心附近風速估計為每小時 65 公里。其後鮎魚在菲律賓東部徘徊並逐漸減弱，最後於四月十二日在菲律賓東部消散。

根據報章報導，鮎魚為菲律賓帶來暴雨，多處出現水浸及山泥傾瀉，造成至少 224 人死亡及 147 人失蹤，超過 200 萬人受災。



2.1 Overview of Tropical Cyclones in April 2022

Two tropical cyclones occurred over the western North Pacific in April 2022.

Malakas formed as a tropical depression over the western North Pacific about 1 320 km east-southeast of Yap on the morning of 7 April. It generally moved northwestwards and intensified gradually. Malakas developed into a typhoon on the morning of 12 April. It turned to move northeastwards towards the vicinity of Iwo Jima. Malakas further intensified into a super typhoon in the small hours on 14 April and reached its peak intensity with an estimated maximum sustained wind of 185 km/h near its centre. Malakas started to weaken afterwards and finally evolved into an extratropical cyclone over the seas east of Japan on 15 April.

Megi formed as a tropical depression over the western North Pacific about 780 km east-southeast of Manila on the morning of 9 April. It moved slowly westwards towards the Philippines and intensified gradually. Megi intensified into a tropical storm the next morning and reached its peak intensity with an estimated maximum sustained wind of 65 km/h near its centre. Megi then lingered over the eastern part of the Philippines and weakened gradually. It finally dissipated over the eastern part of the Philippines on 12 April.

According to press reports, Megi brought torrential rain to the Philippines with flooding and landslides reported in many places. There were at least 224 deaths and 147 missing. Over 2 million people were affected.

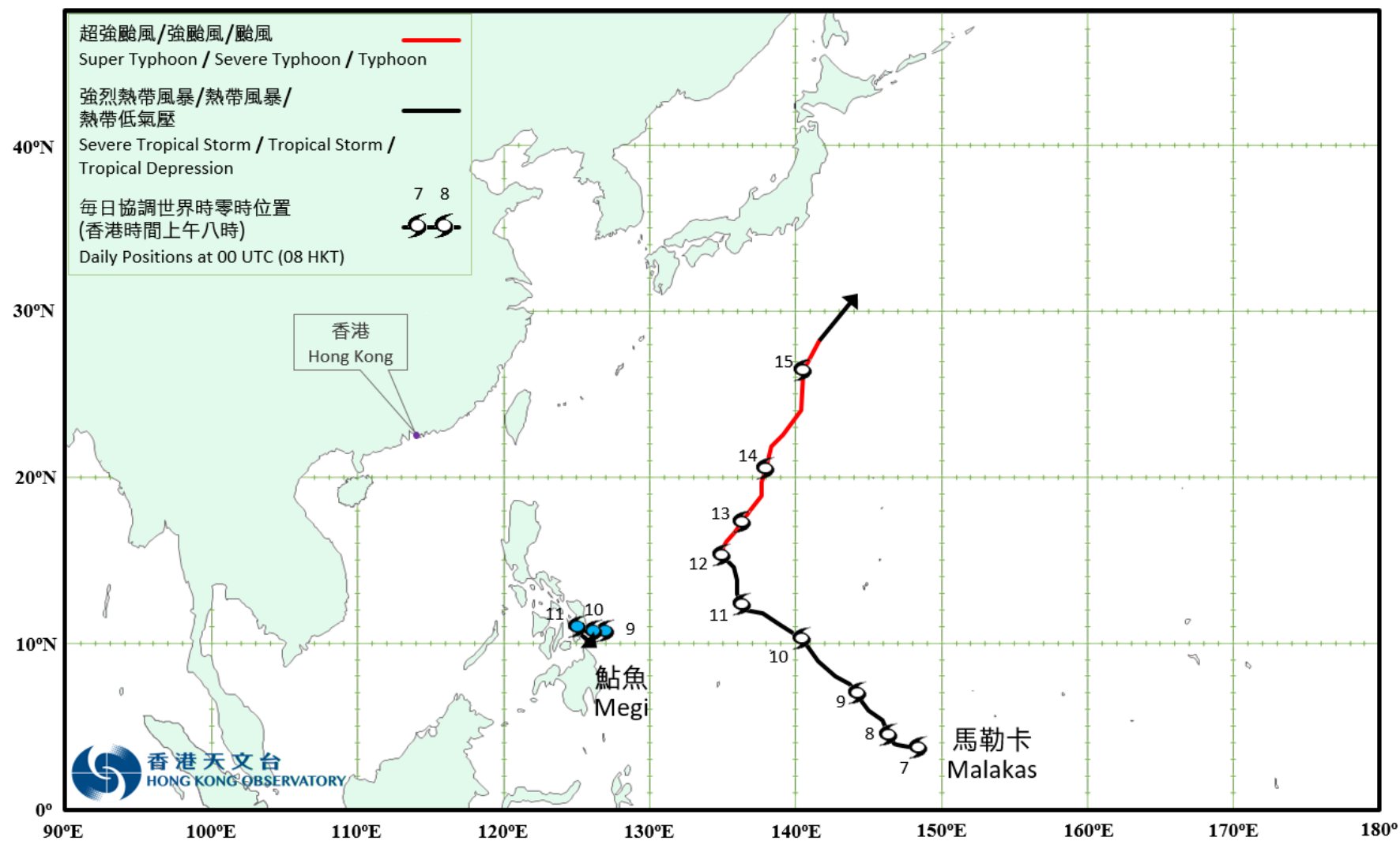
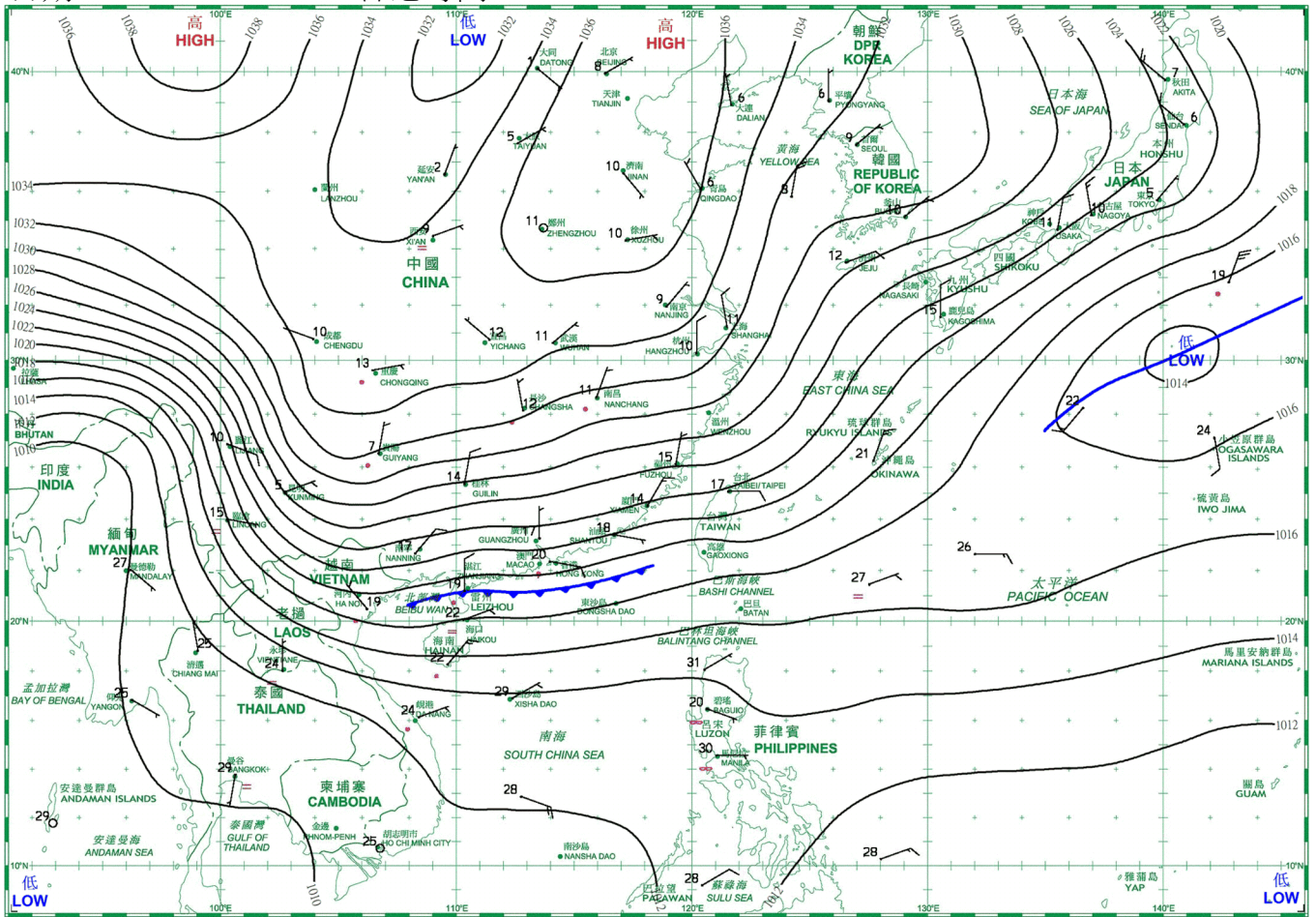


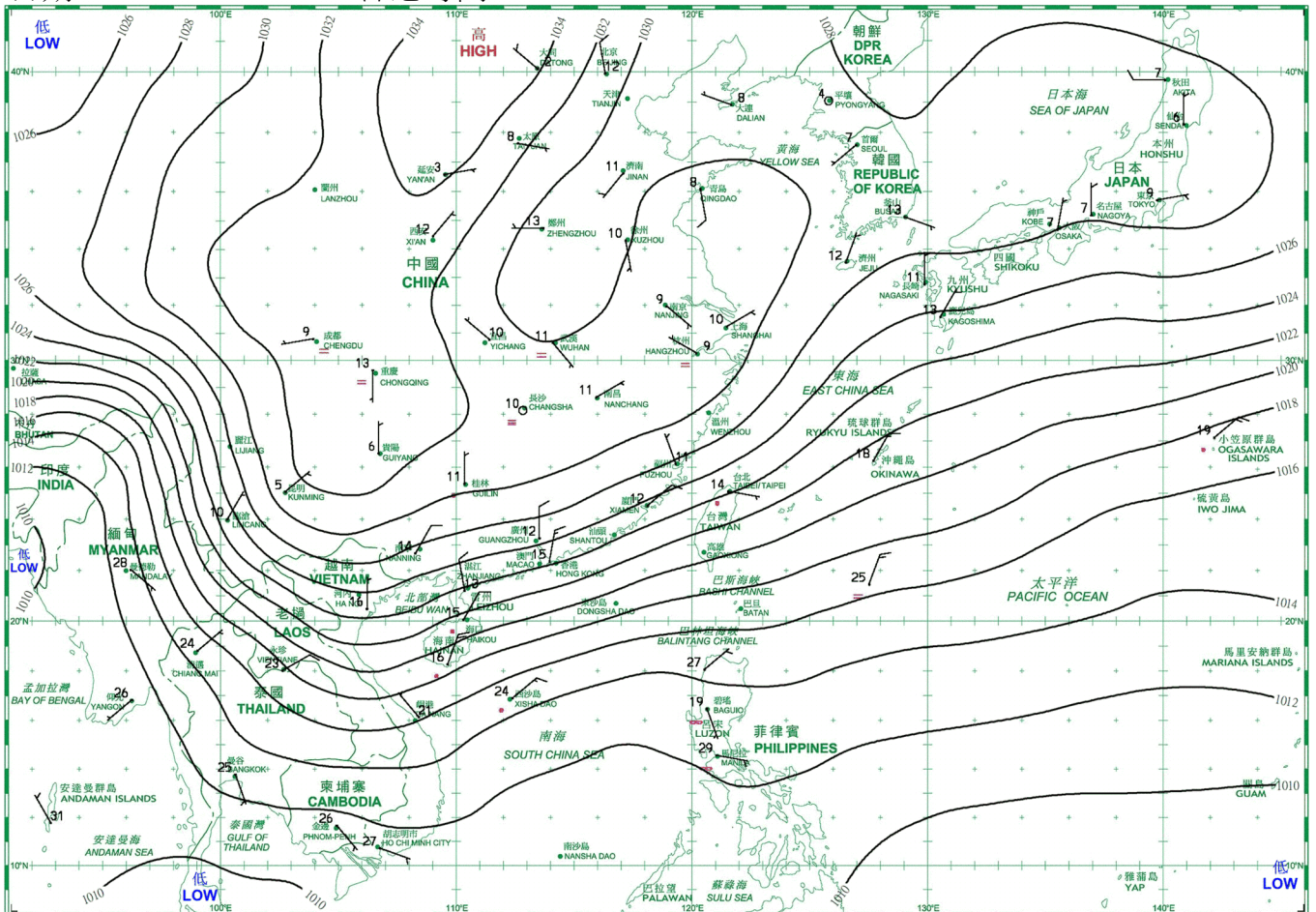
圖 2.1 二零二二年四月的熱帶氣旋路徑圖
 Fig. 2.1 Track of tropical cyclone in April 2022

3. 二零二二年四月每日天氣圖 Daily Weather Maps for April 2022

日期/Date: 01.04.2022 香港時間/HK Time: 08:00

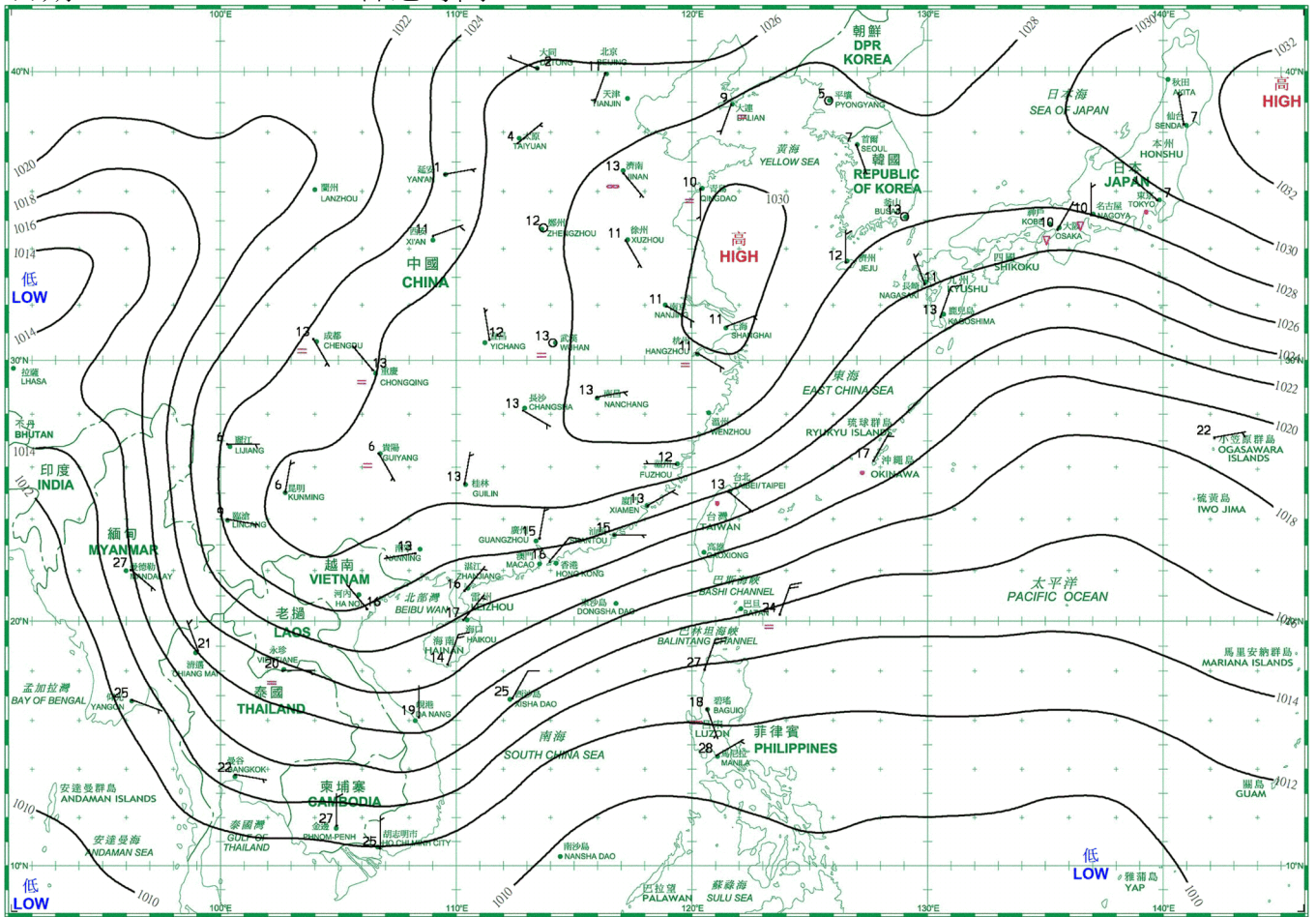


日期/Date: 02.04.2022 香港時間/HK Time: 08:00

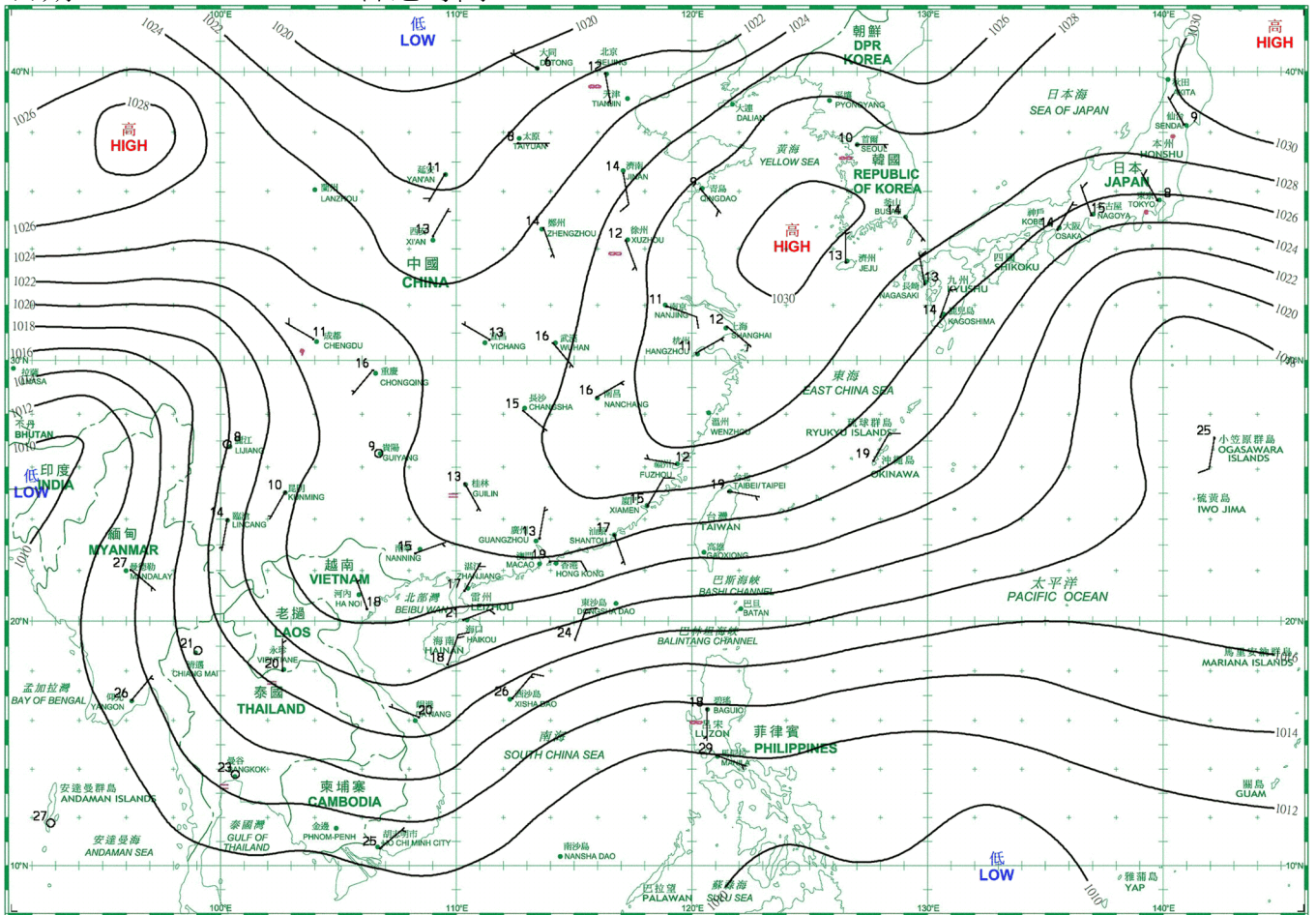


- 等壓線 Isobar(hPa)
- 暖鋒 Warm Front
- 靜止鋒 Stationary Front
- 消散中的冷鋒 Dissipating Cold Front
- 冷鋒 Cold Front
- 錮囚鋒 Occlusion
- 槽軸(線) Axis of Trough
- 熱帶氣旋中心 Centre of Tropical Cyclone

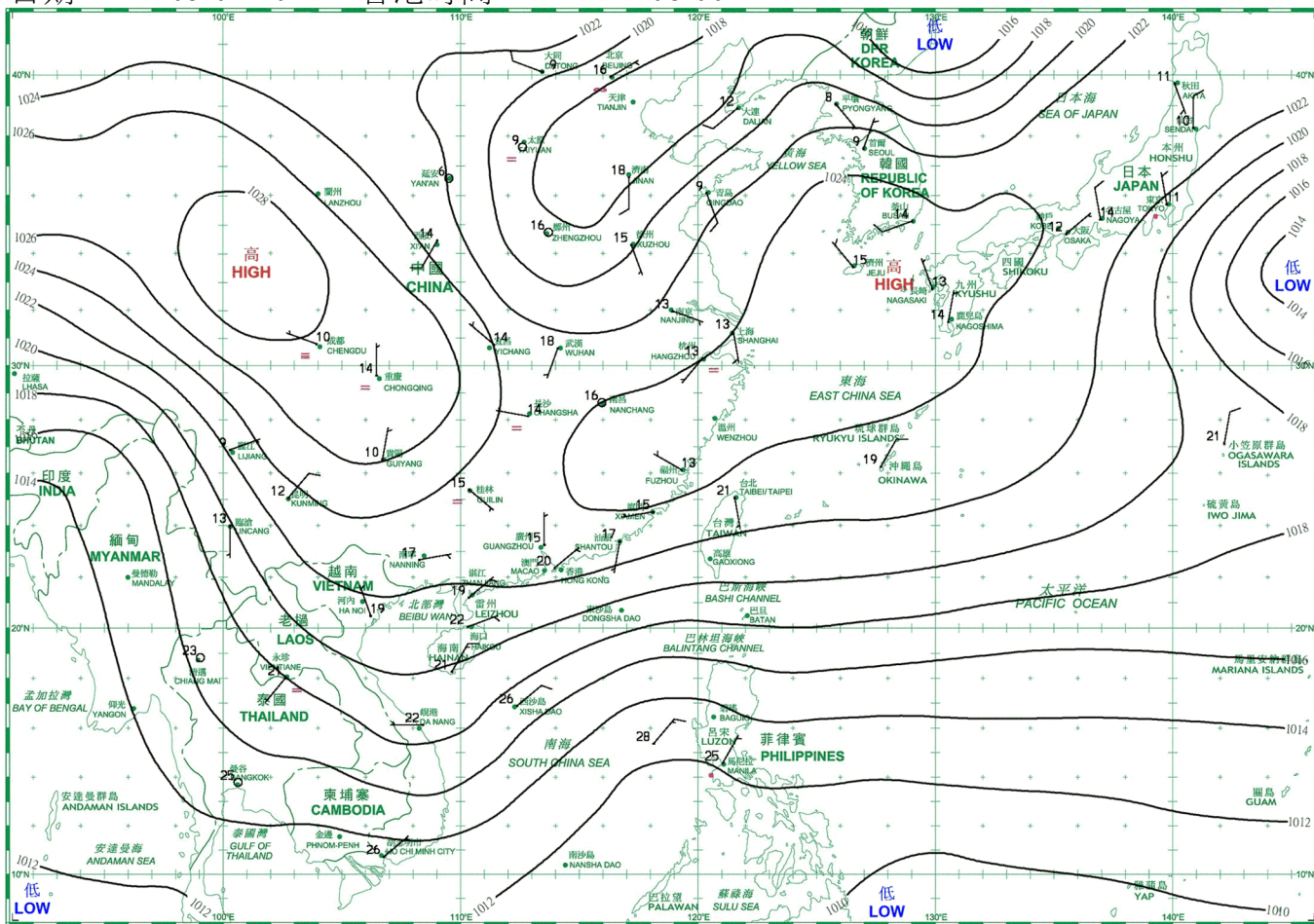
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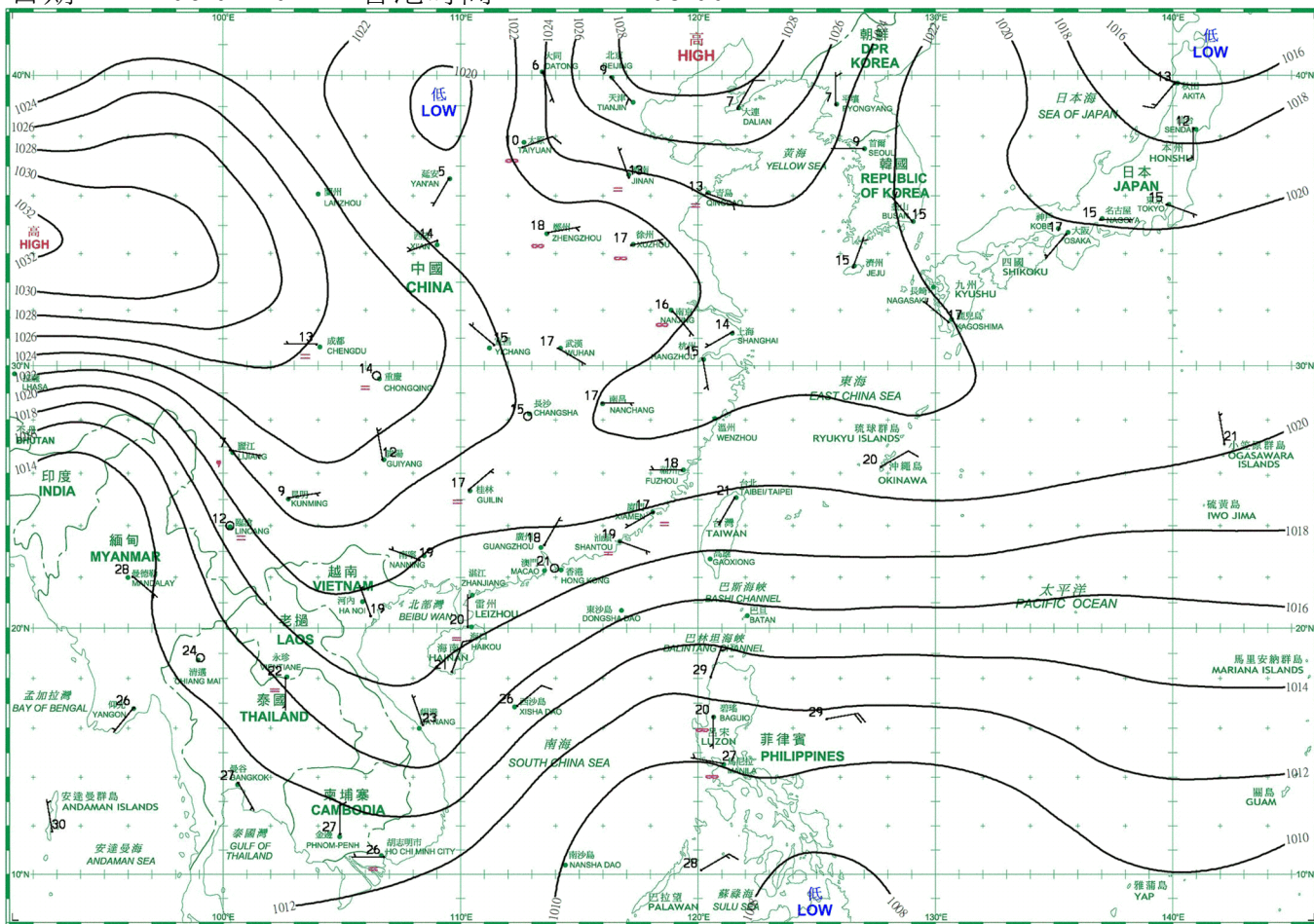
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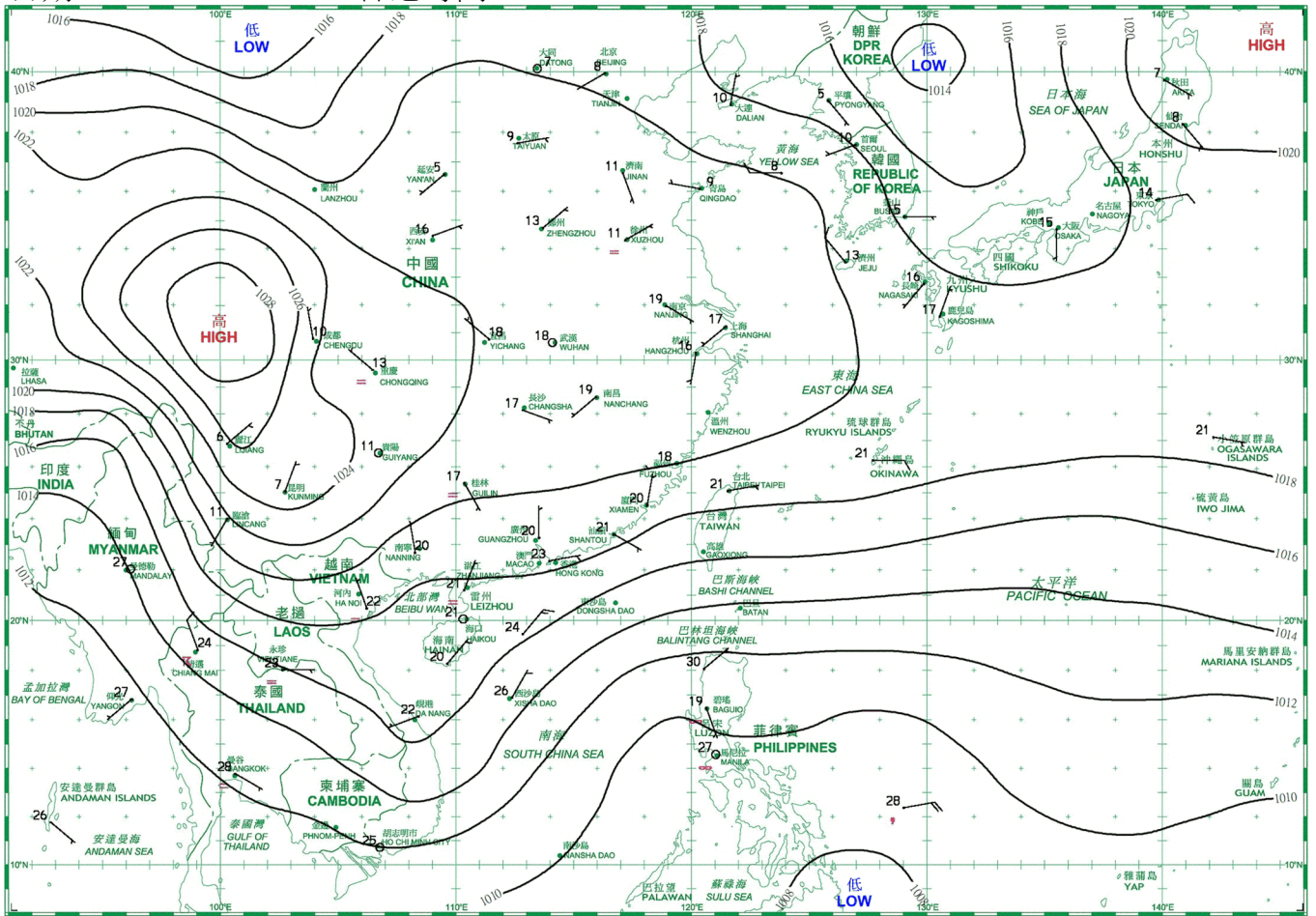
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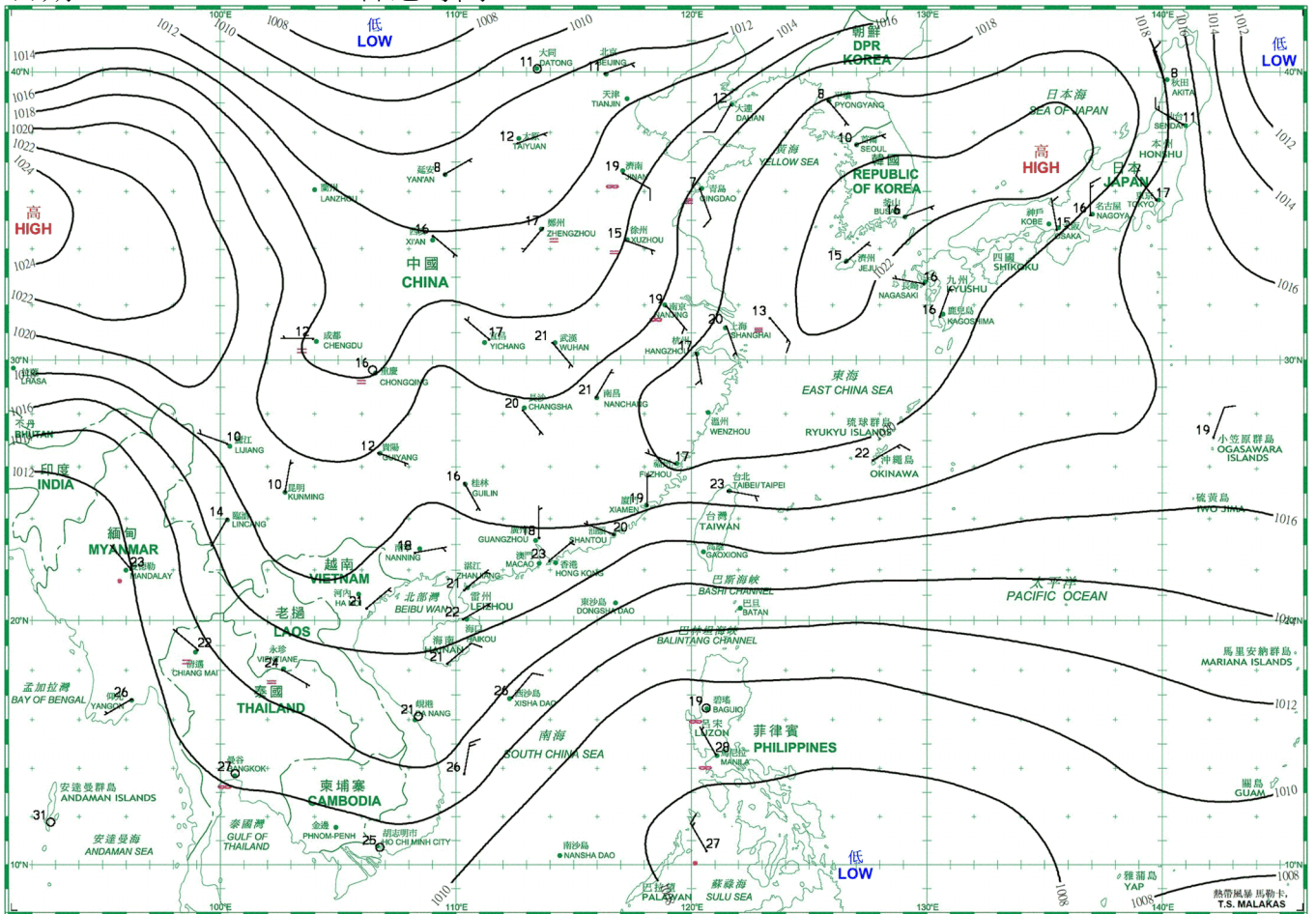
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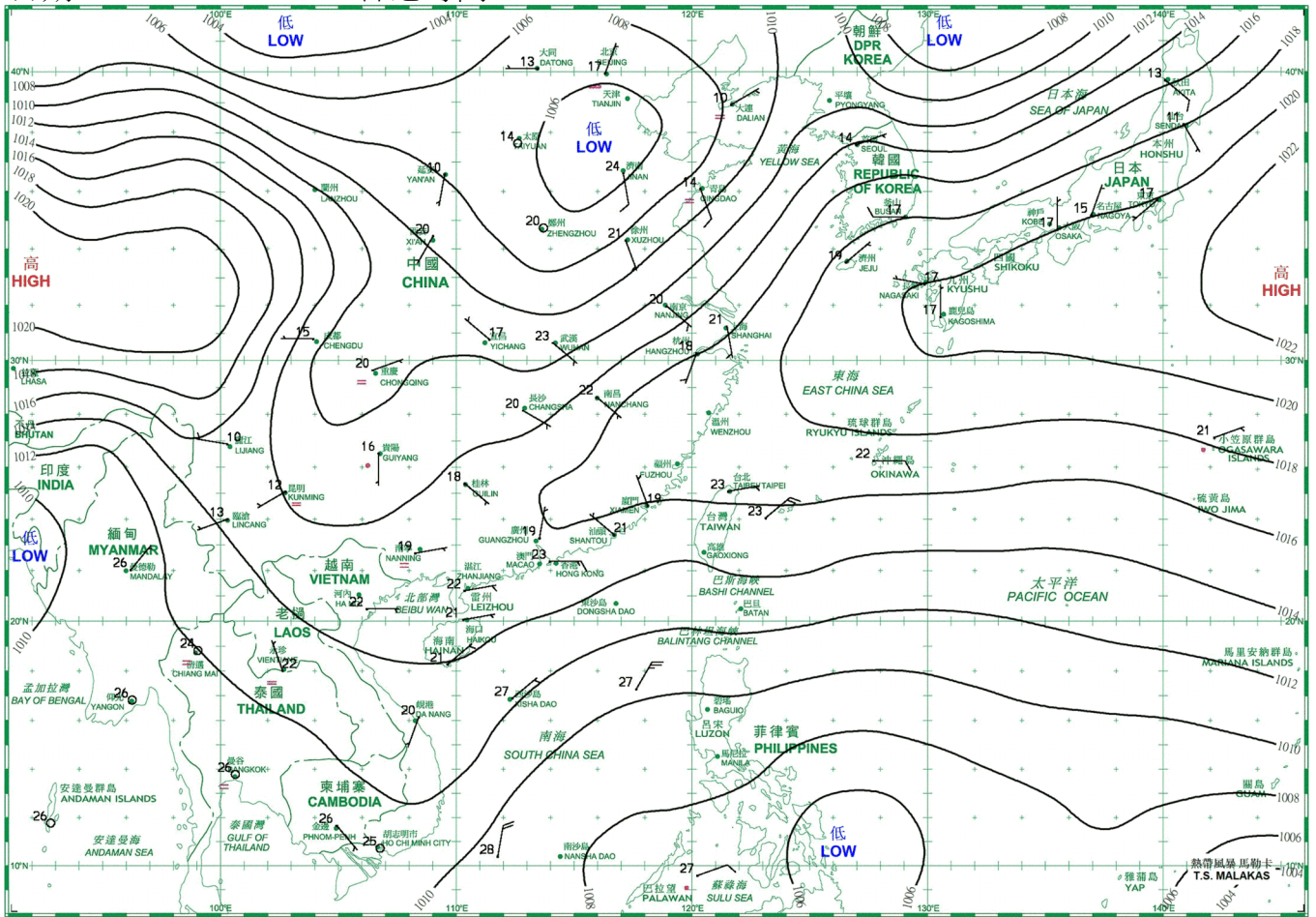
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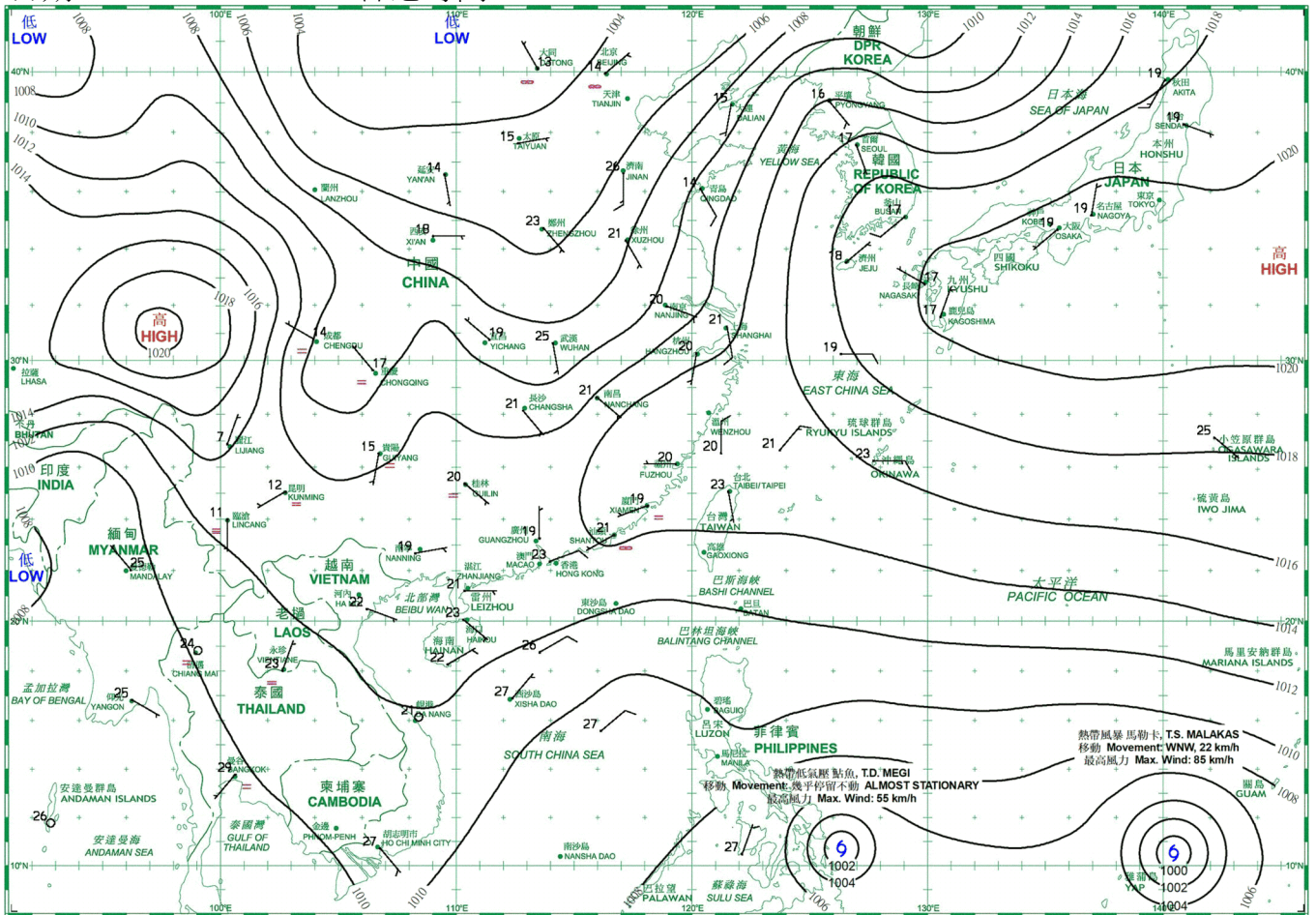
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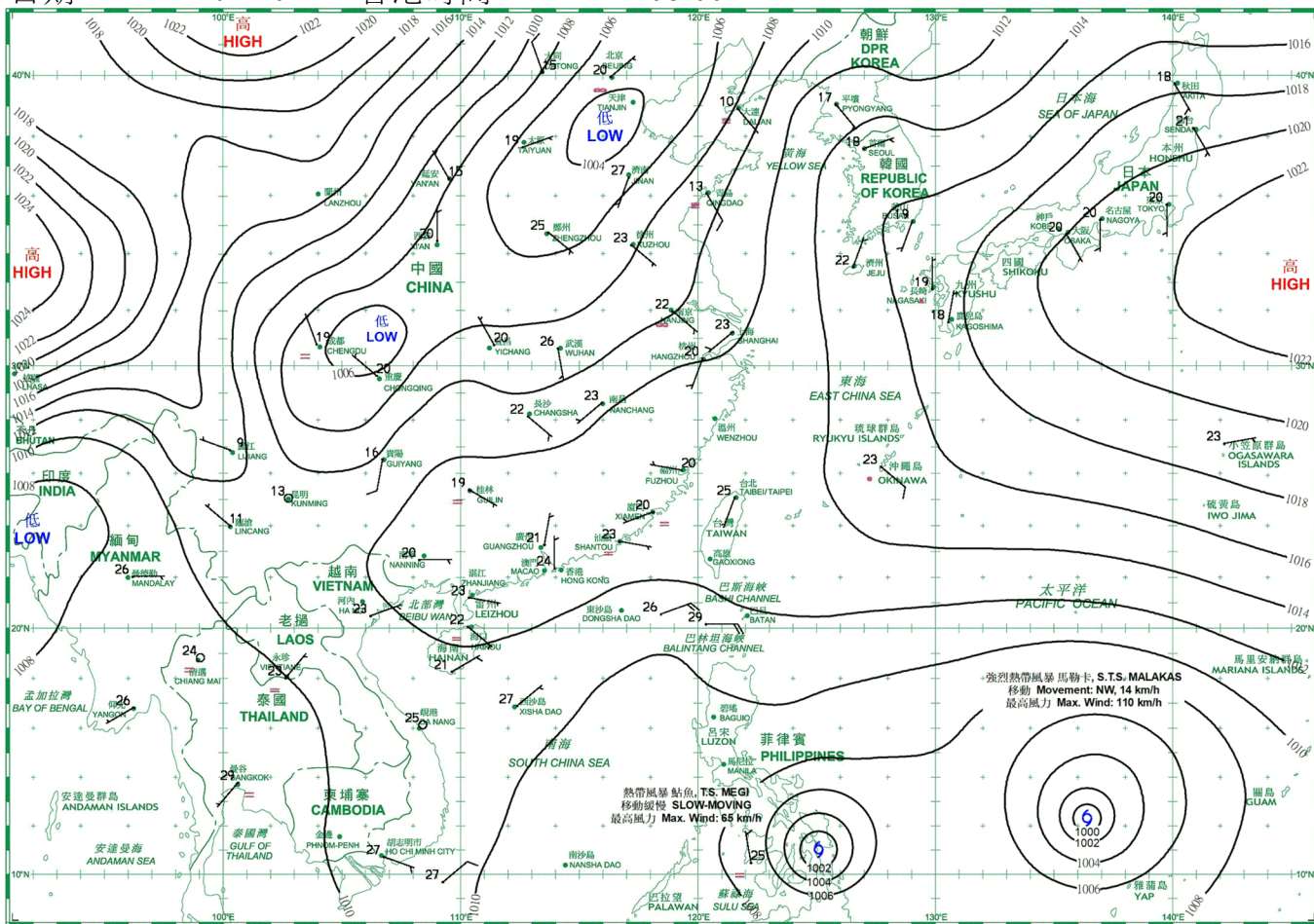
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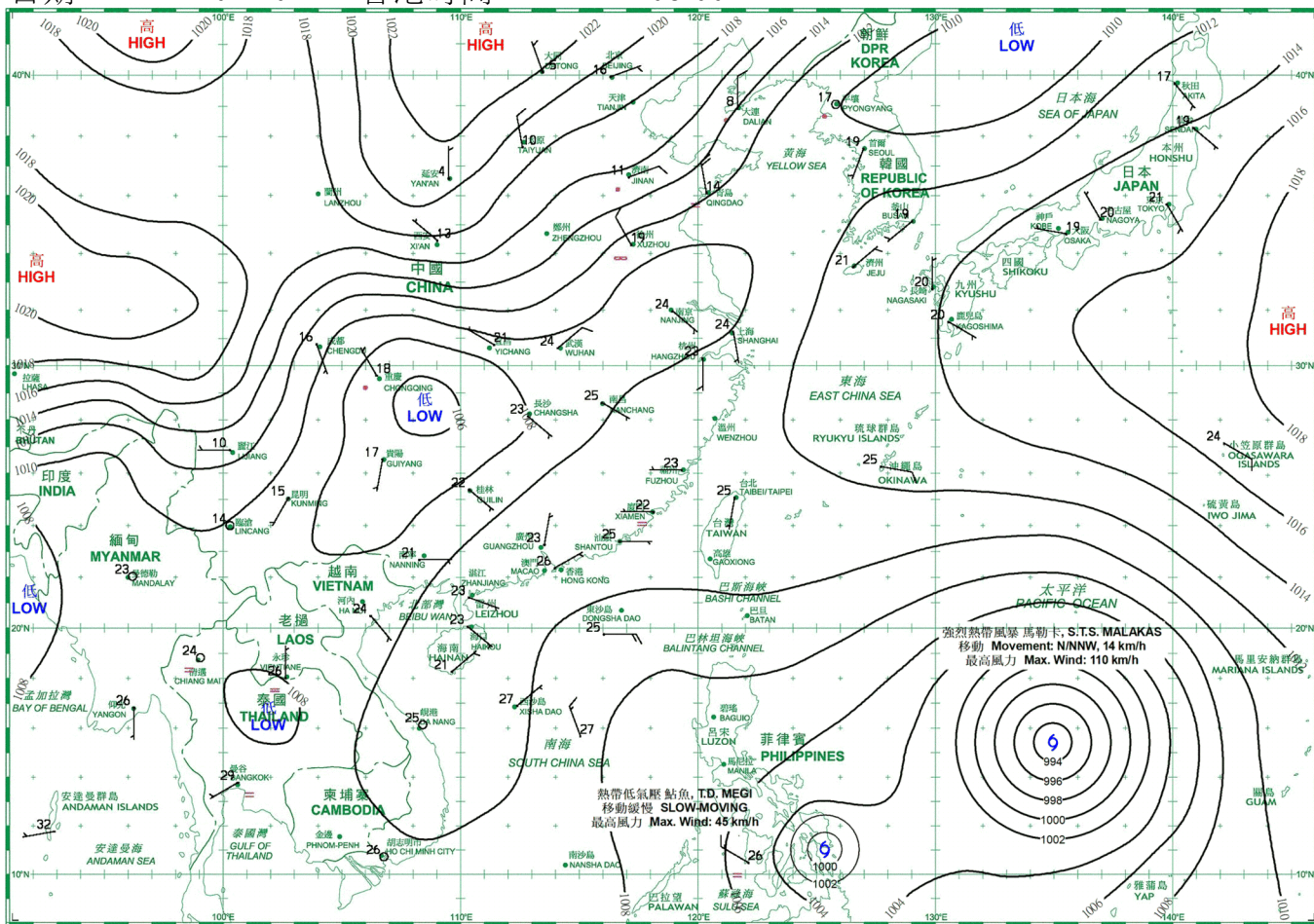
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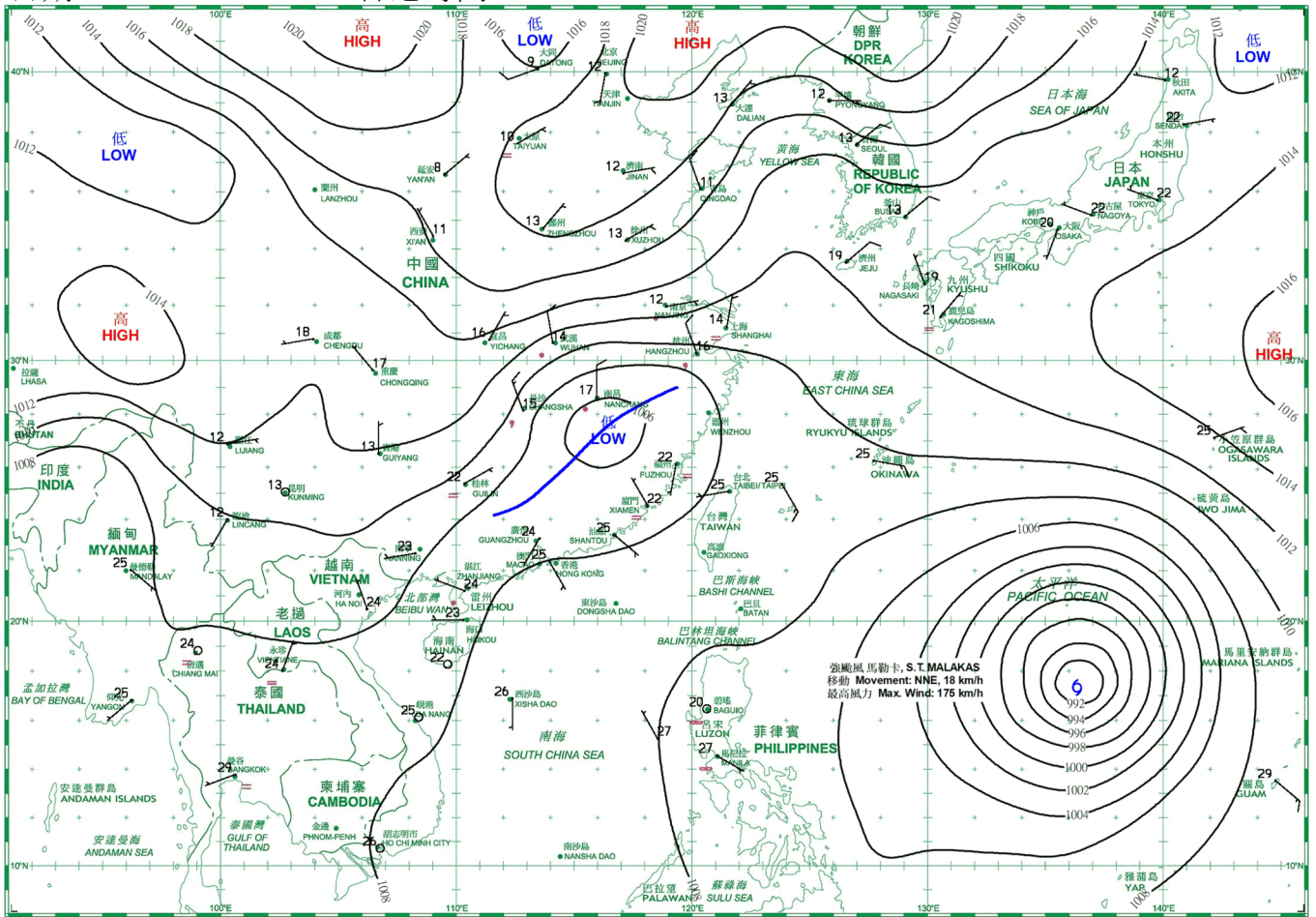
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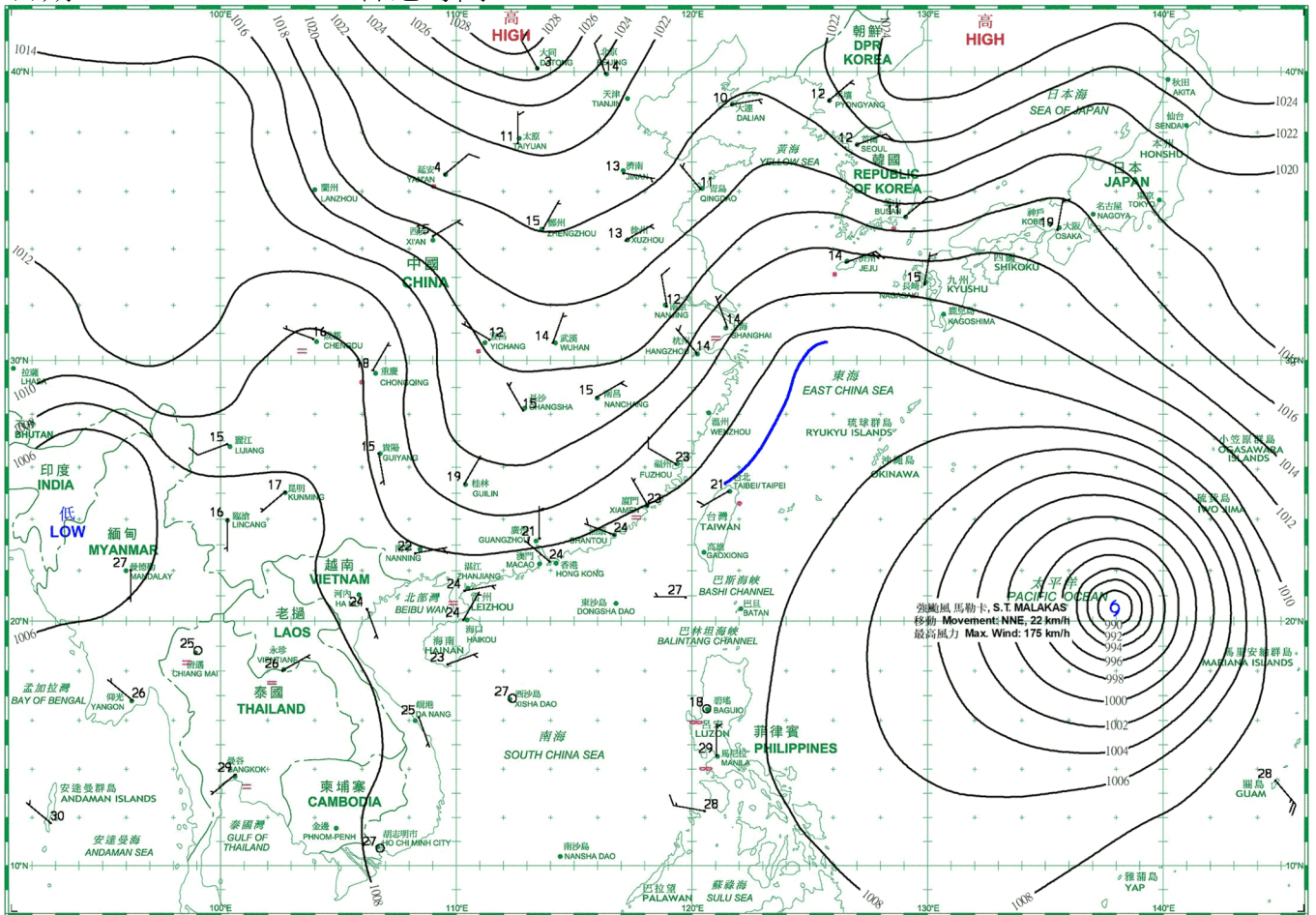
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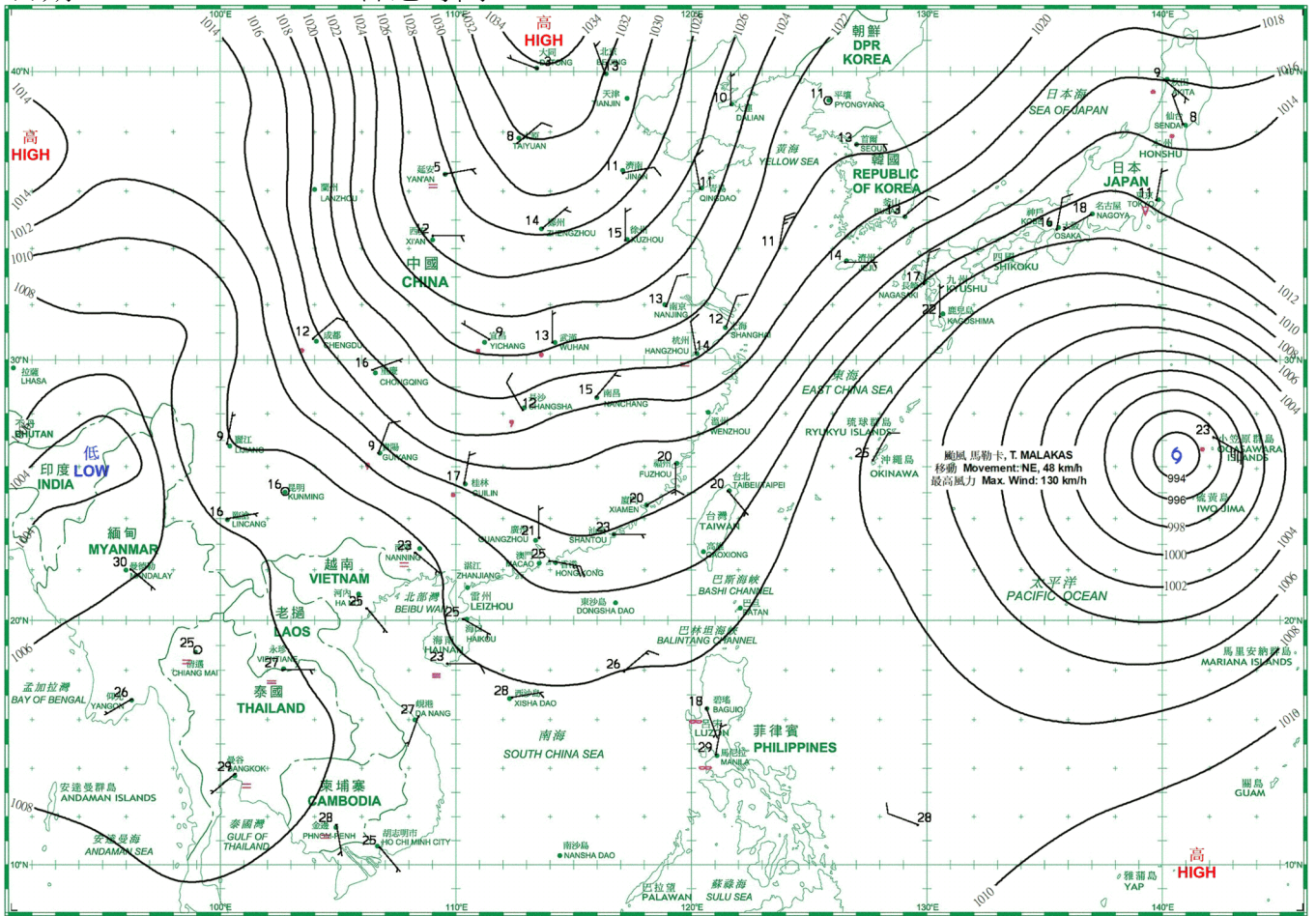
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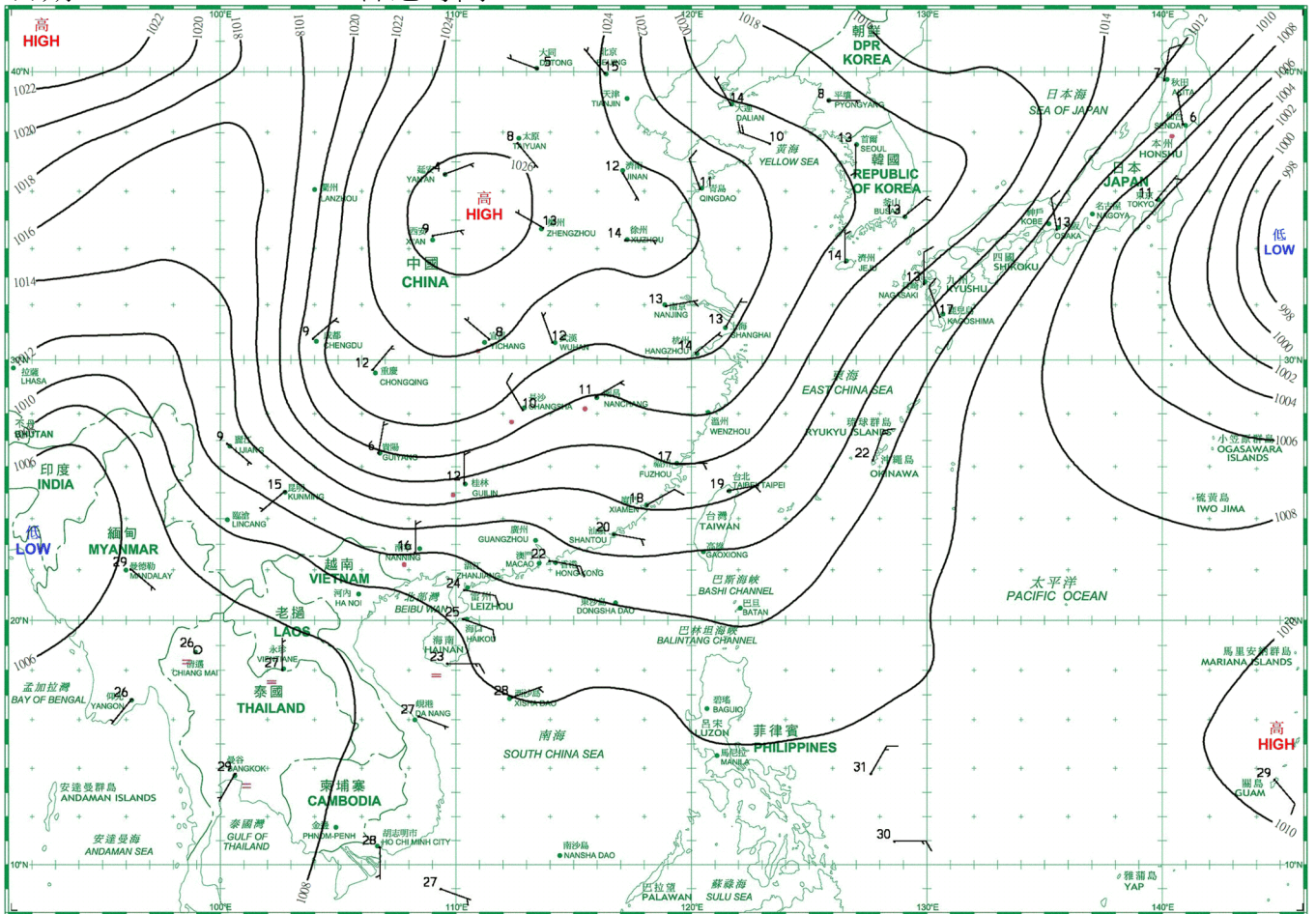
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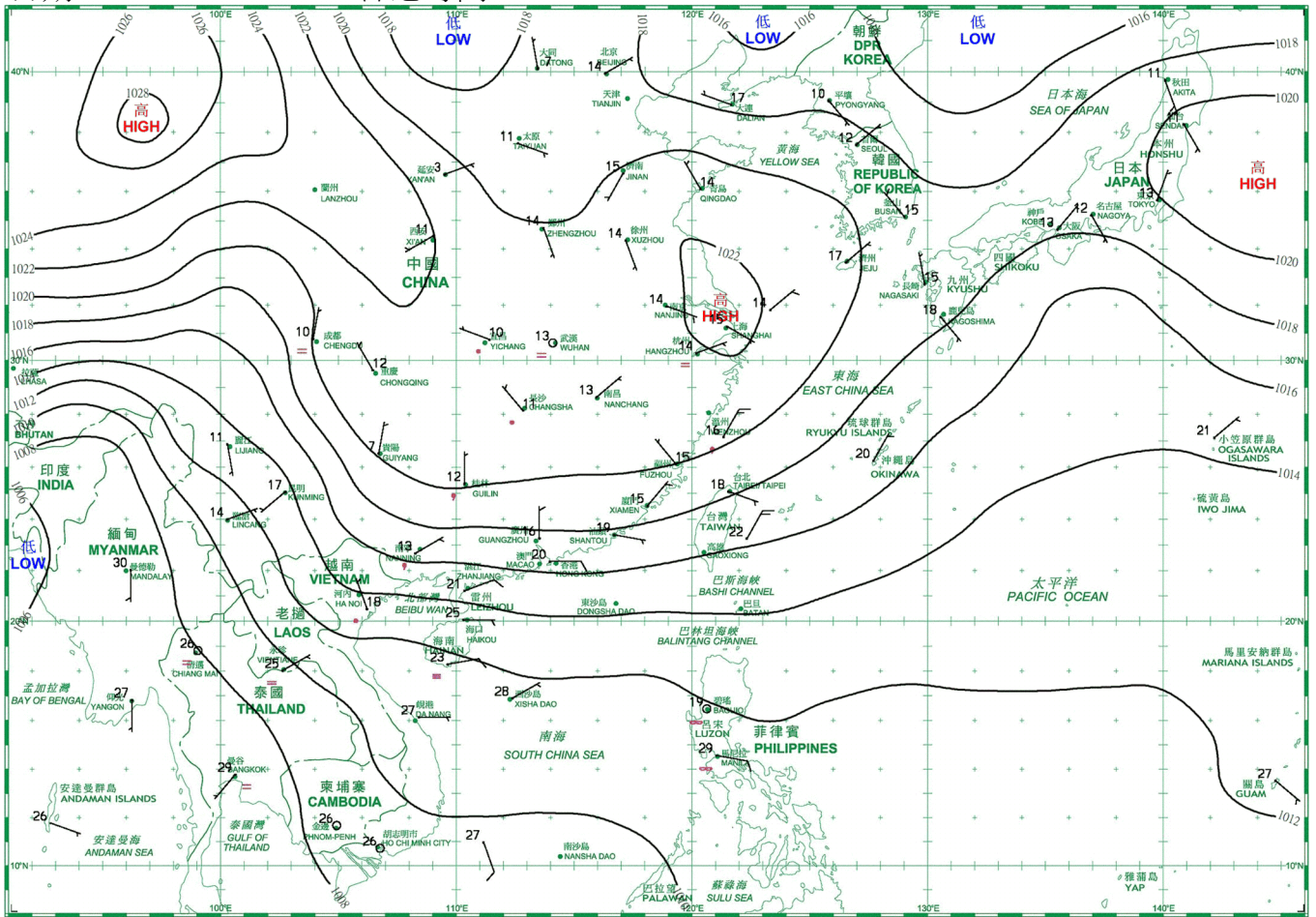
日期/Date: 15.04.2022 香港時間/HK Time: 08:00



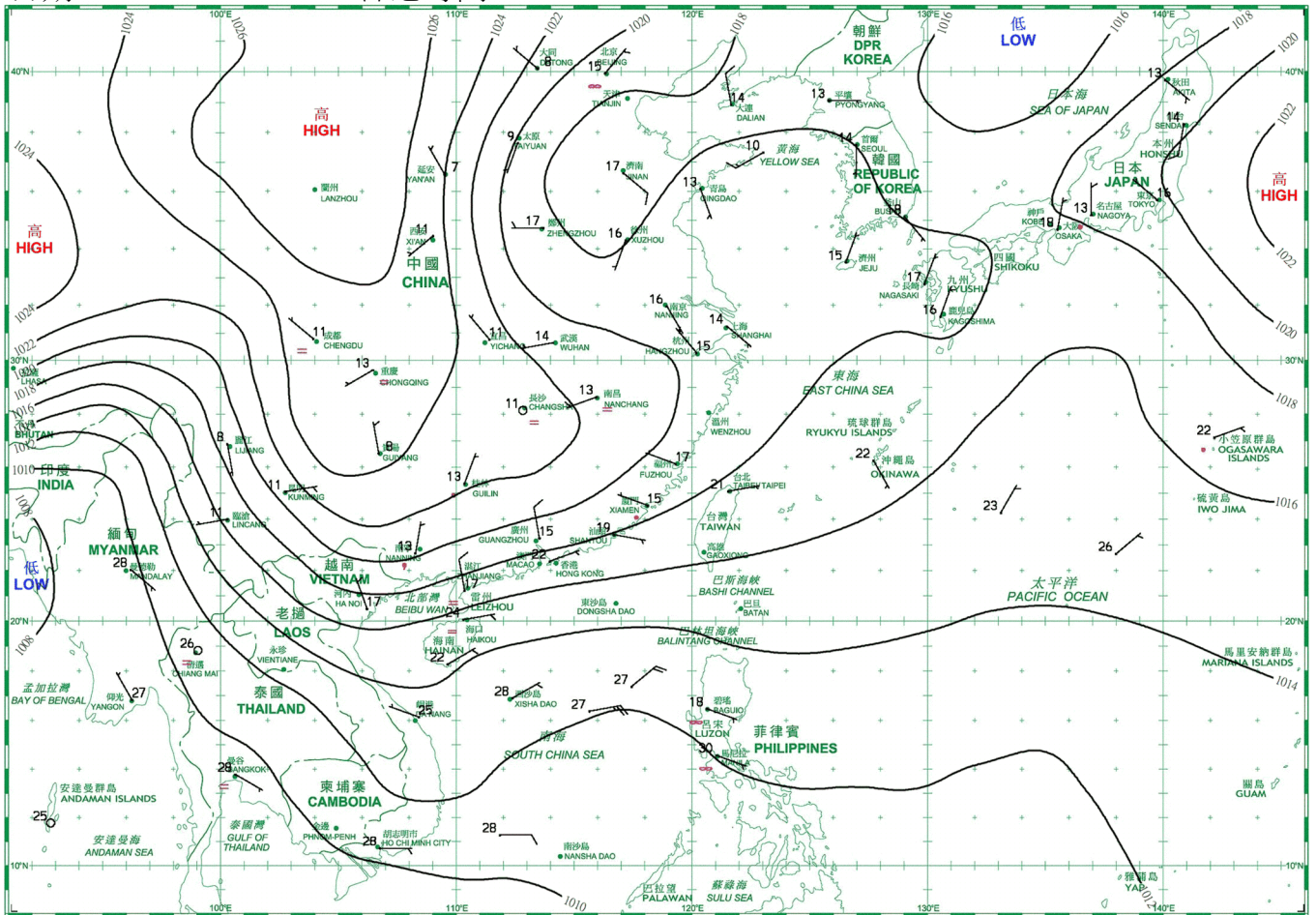
日期/Date: 16.04.2022 香港時間/HK Time: 08:00



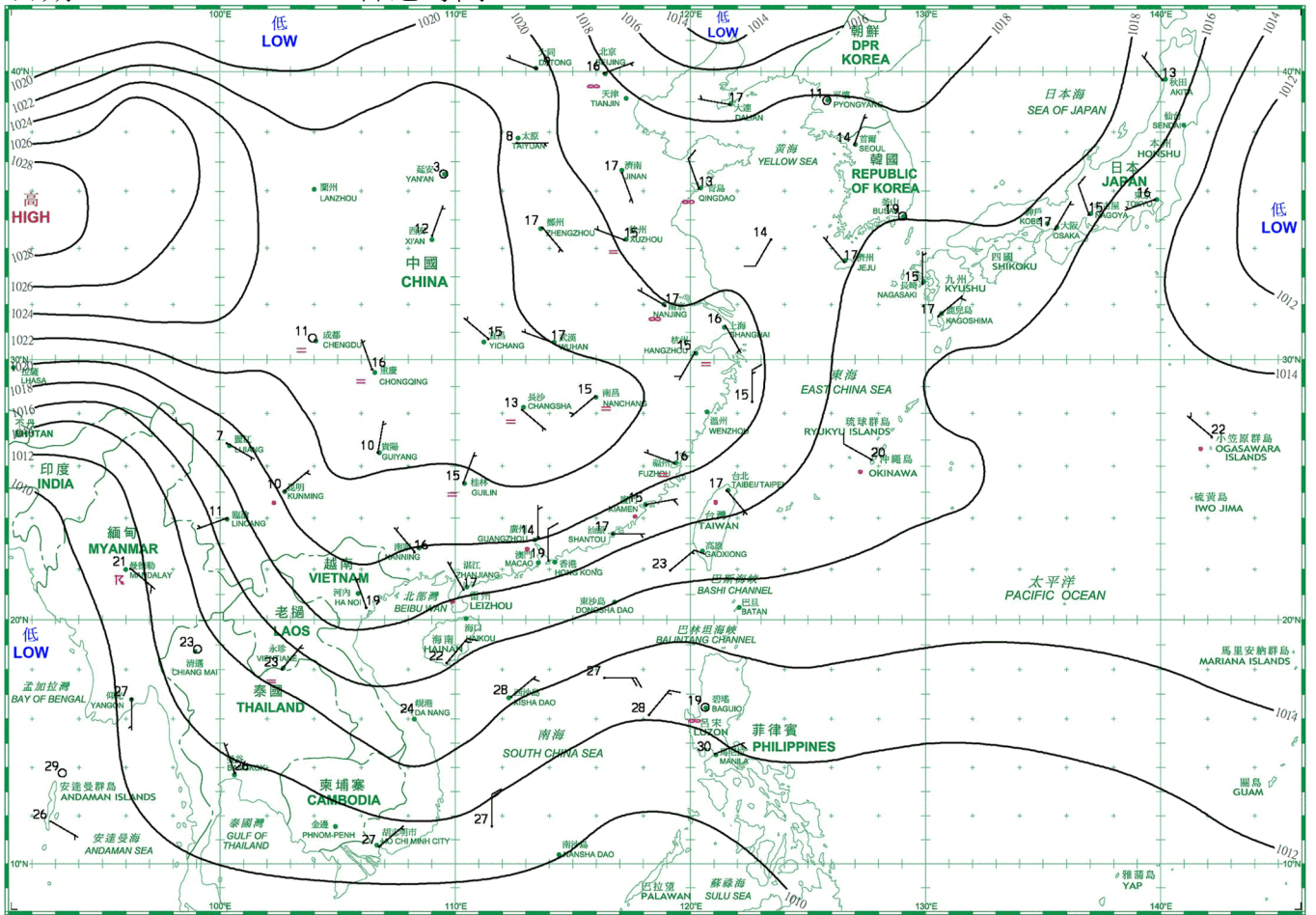
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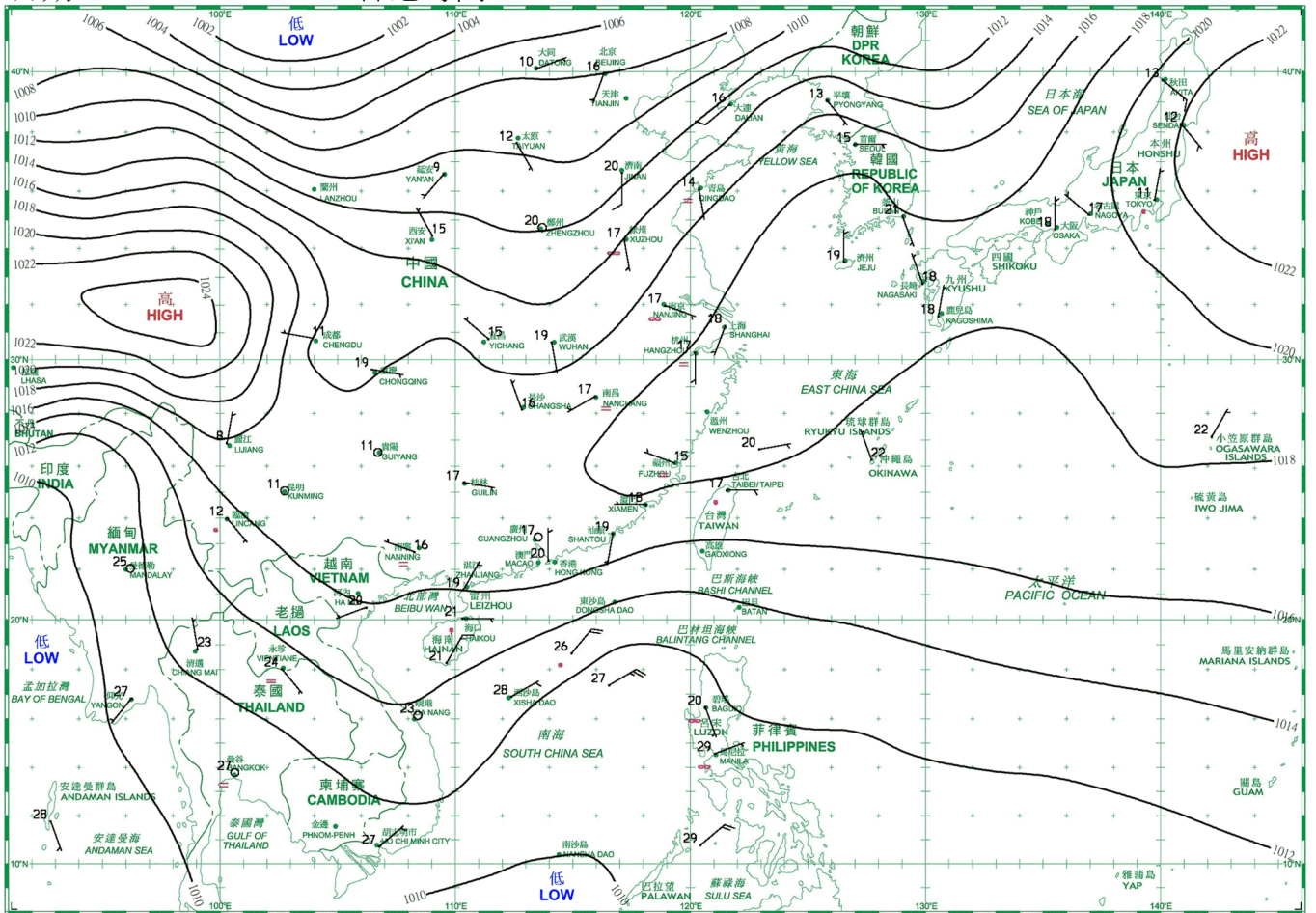
日期/Date: 18.04.2022 香港時間/HK Time: 08:00



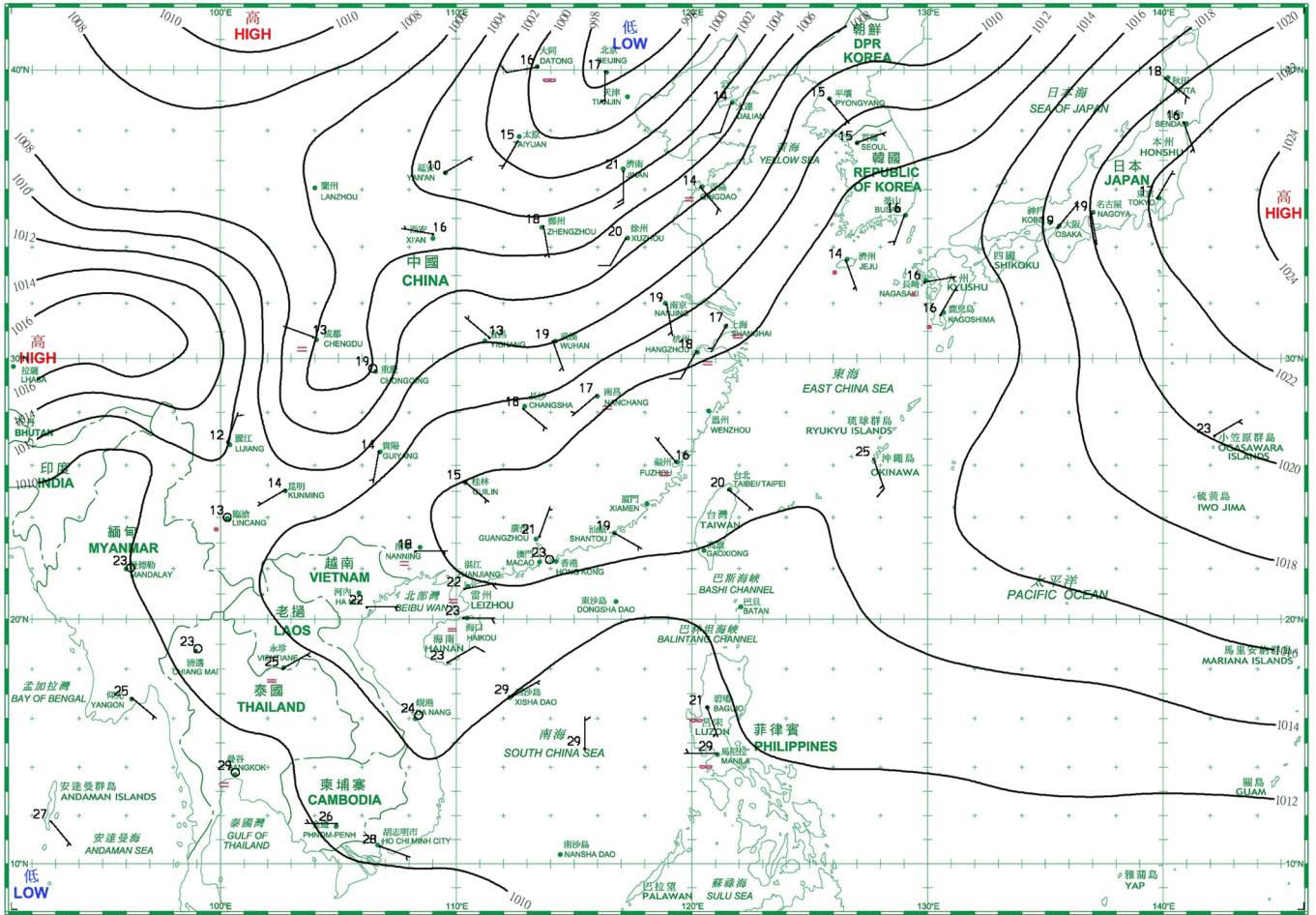
日期/Date: 19.04.2022 香港時間/HK Time: 08:00



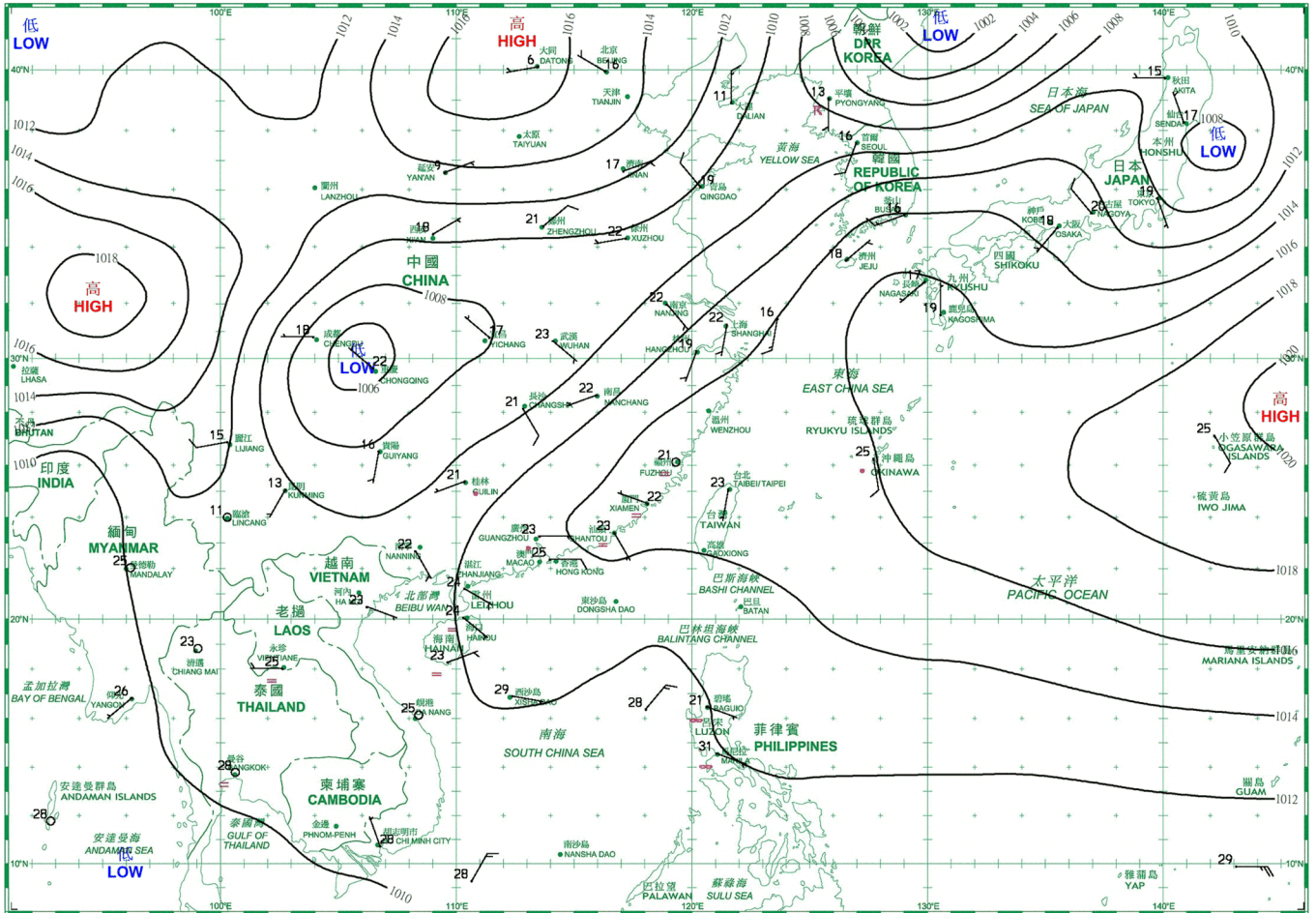
日期/Date: 20.04.2022 香港時間/HK Time: 08:00



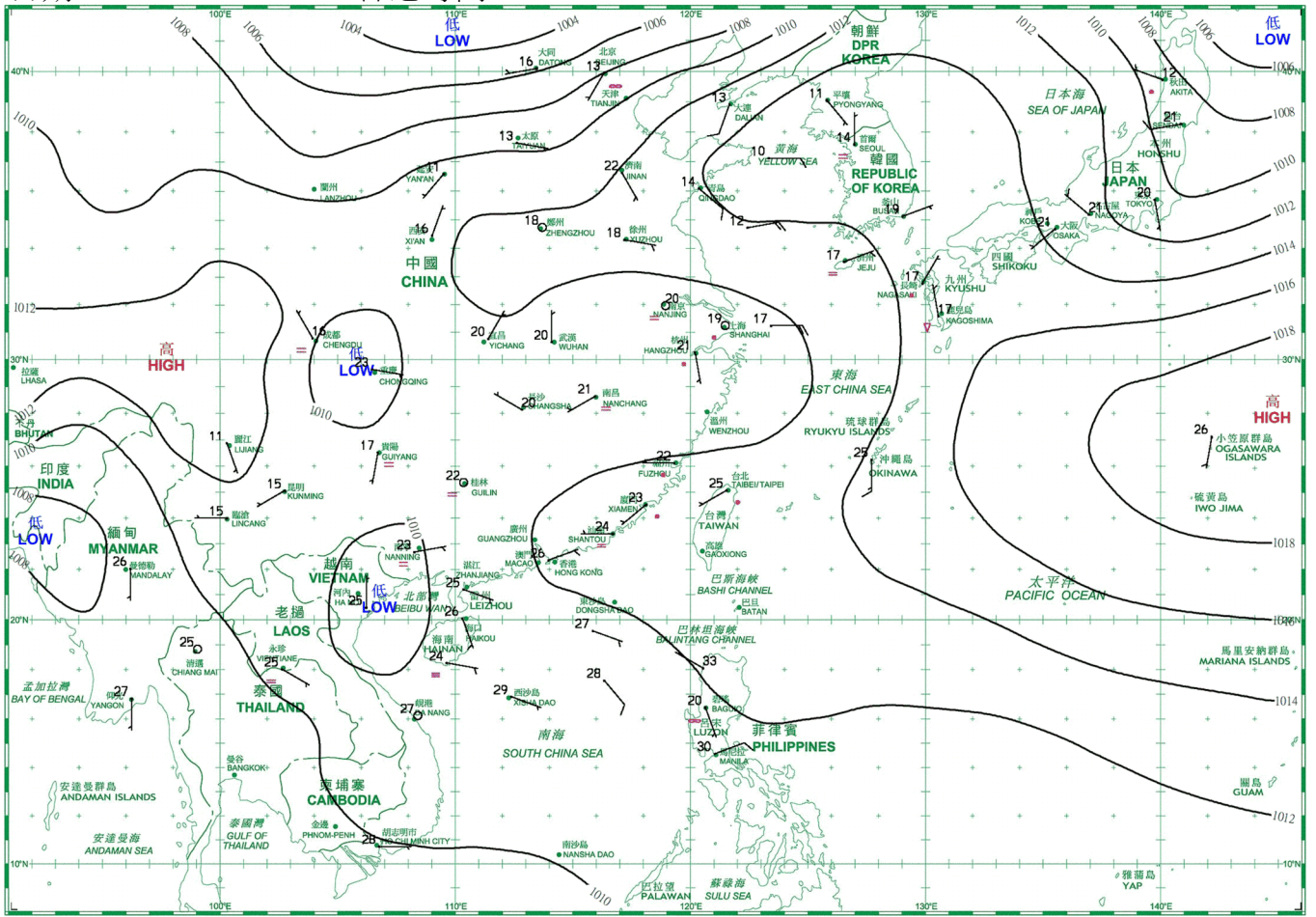
日期/Date: 21.04.2022 香港時間/HK Time: 08:00



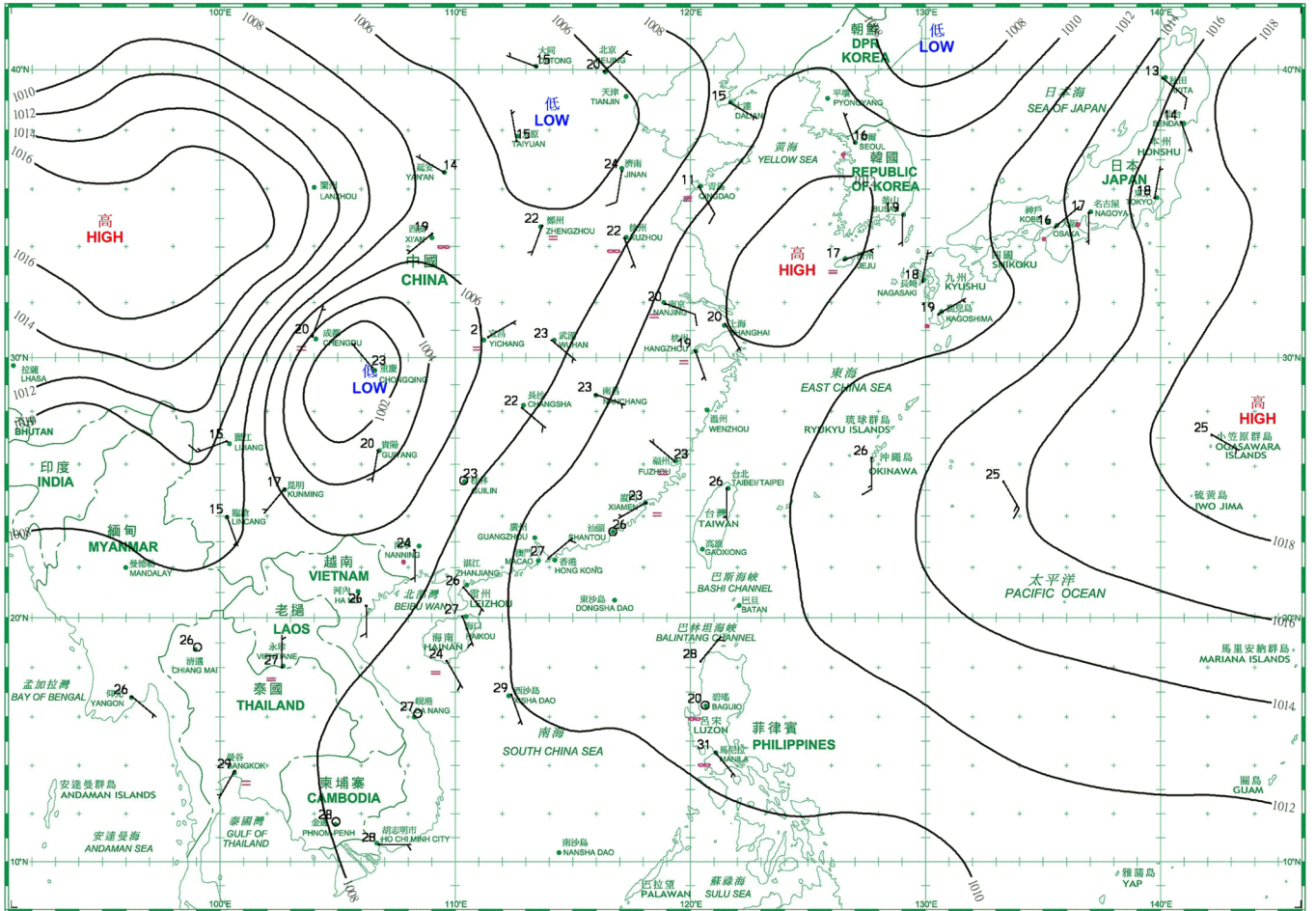
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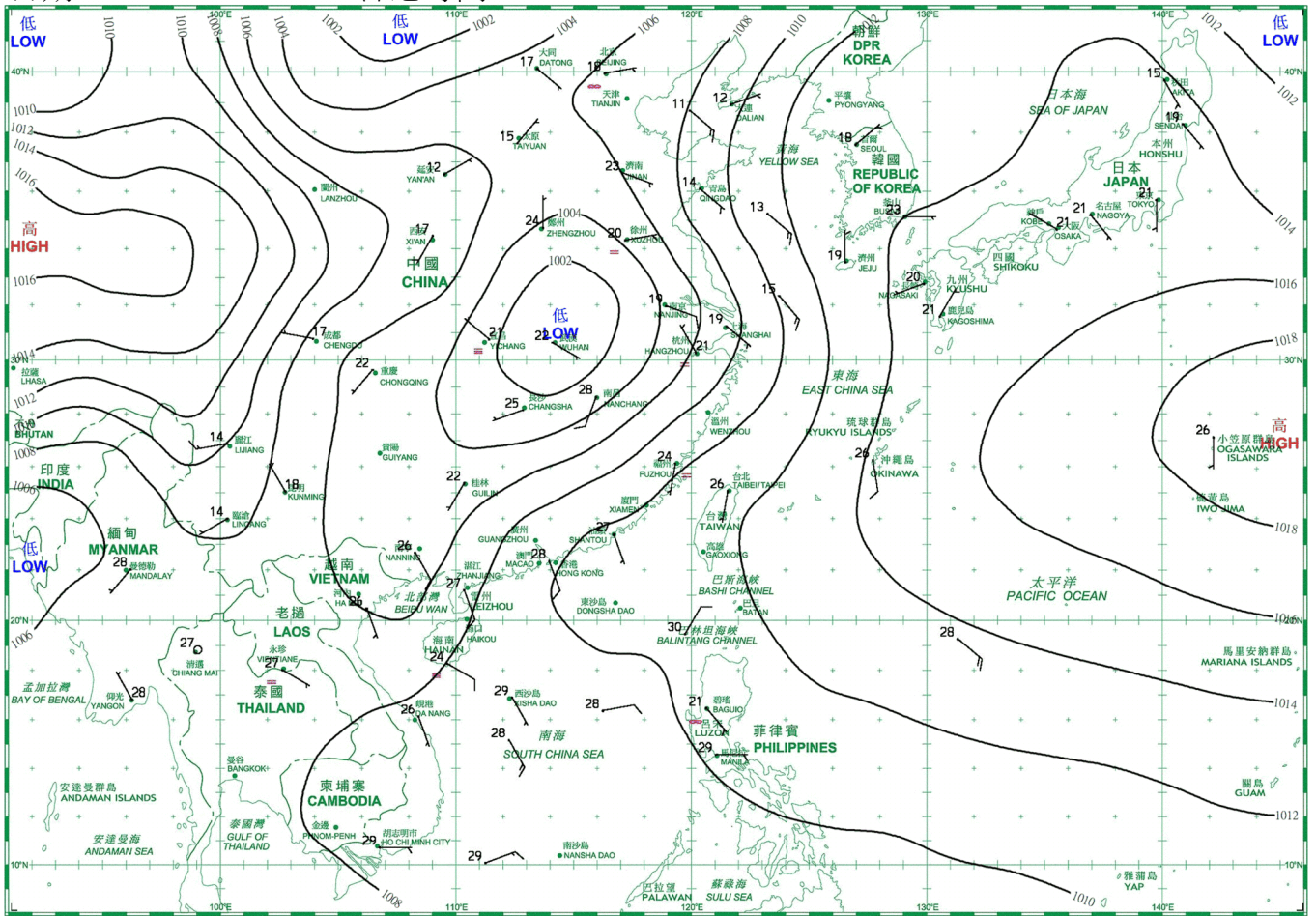
日期/Date: 23.04.2022 香港時間/HK Time: 08:00



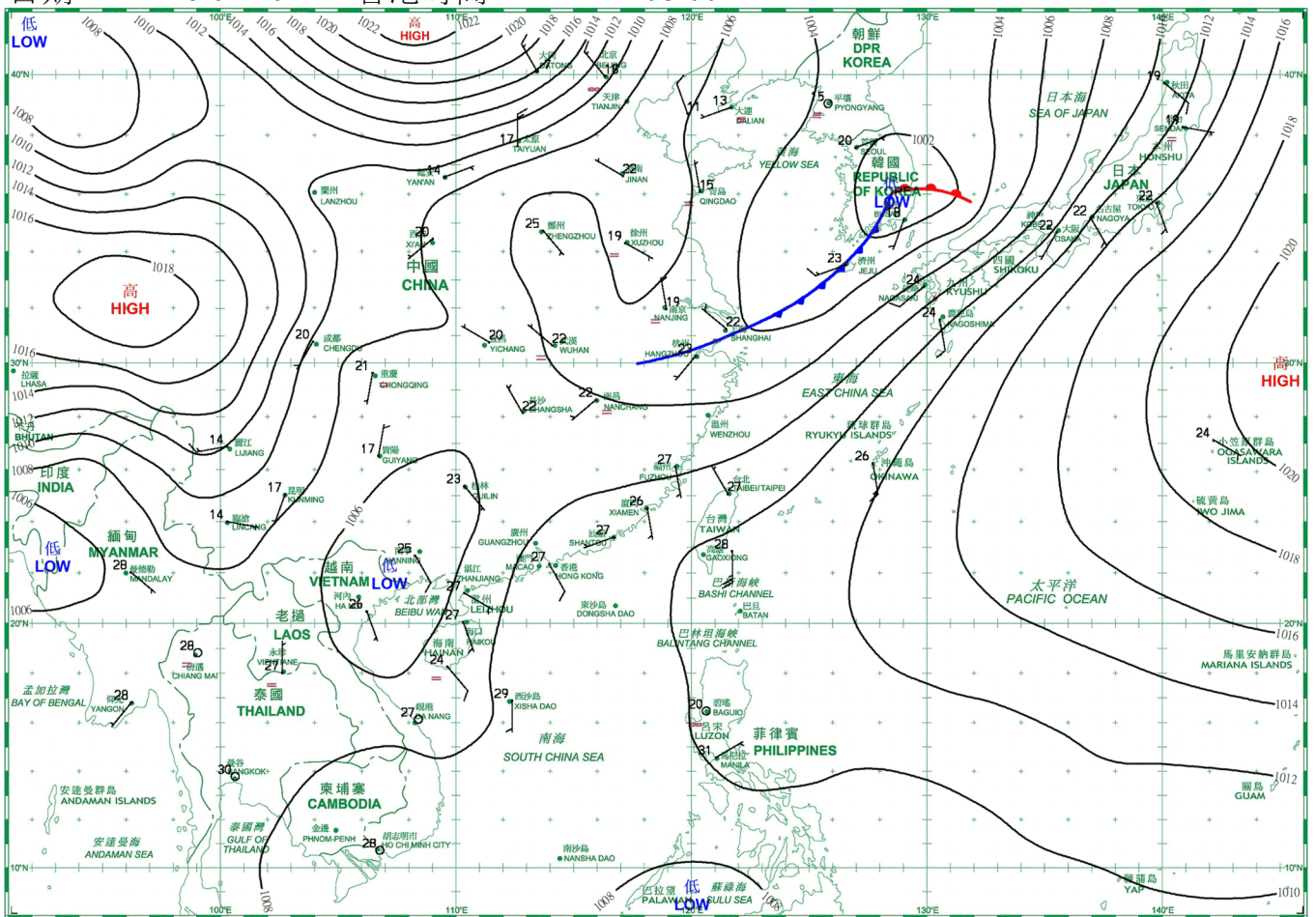
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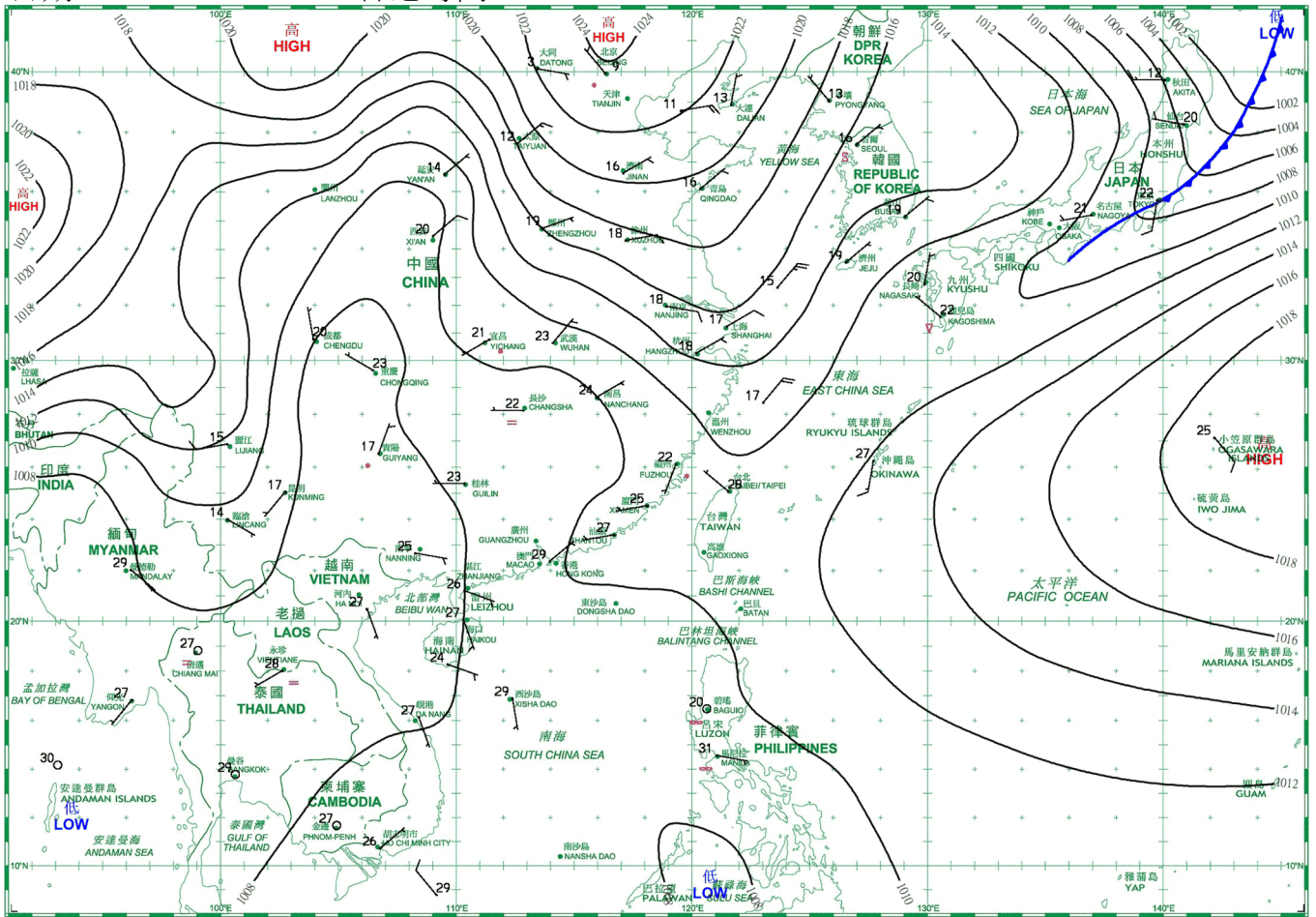
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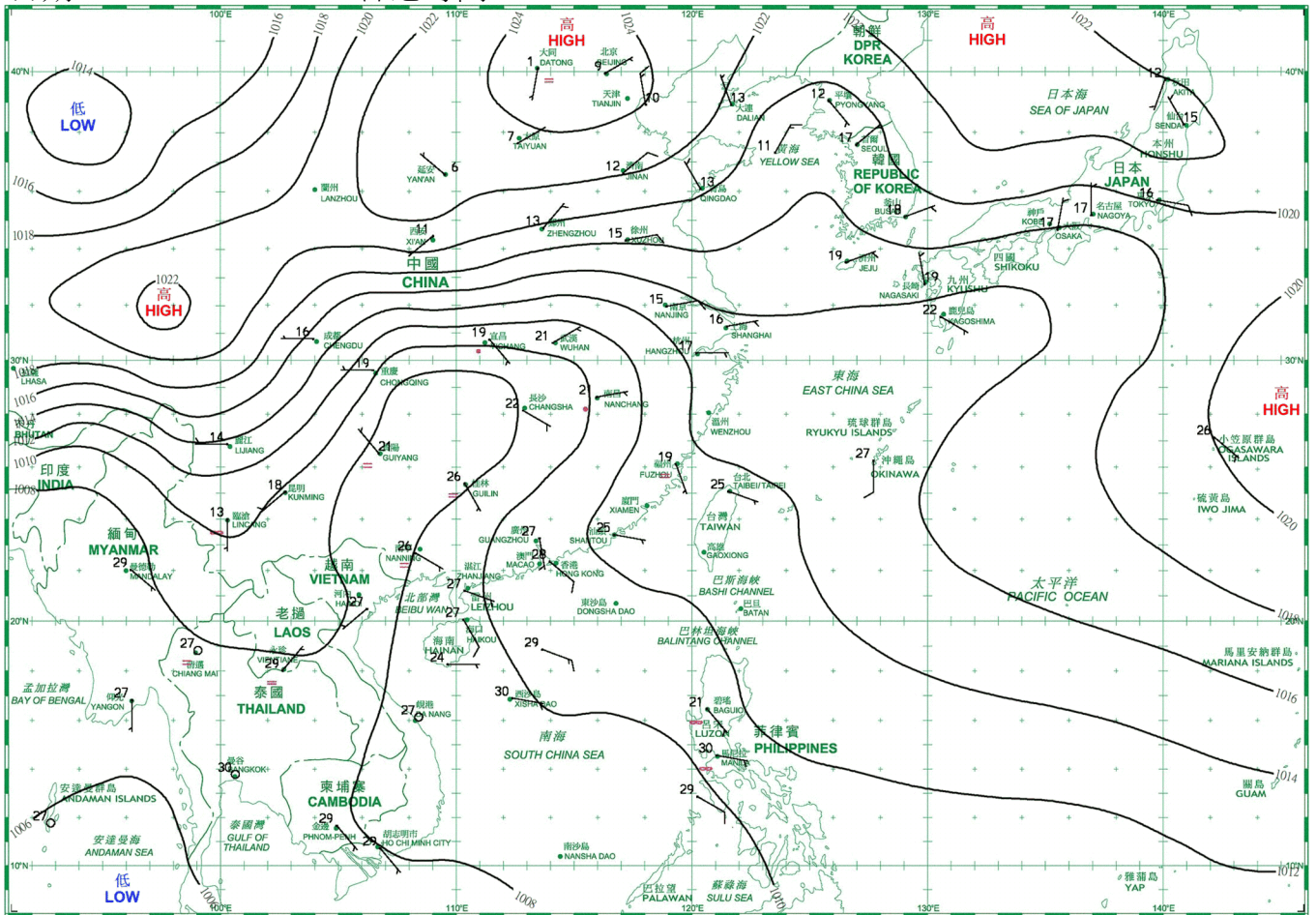
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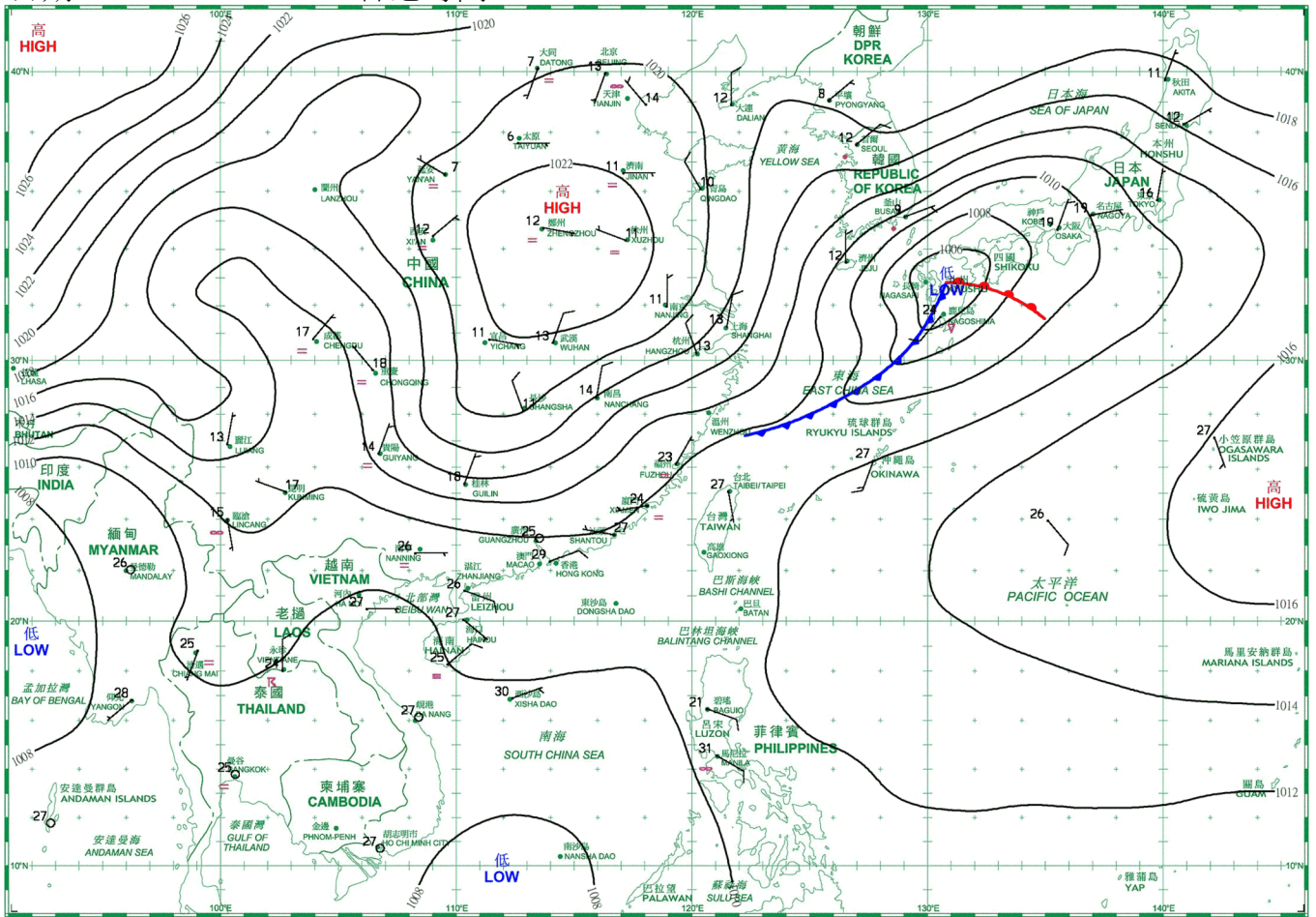
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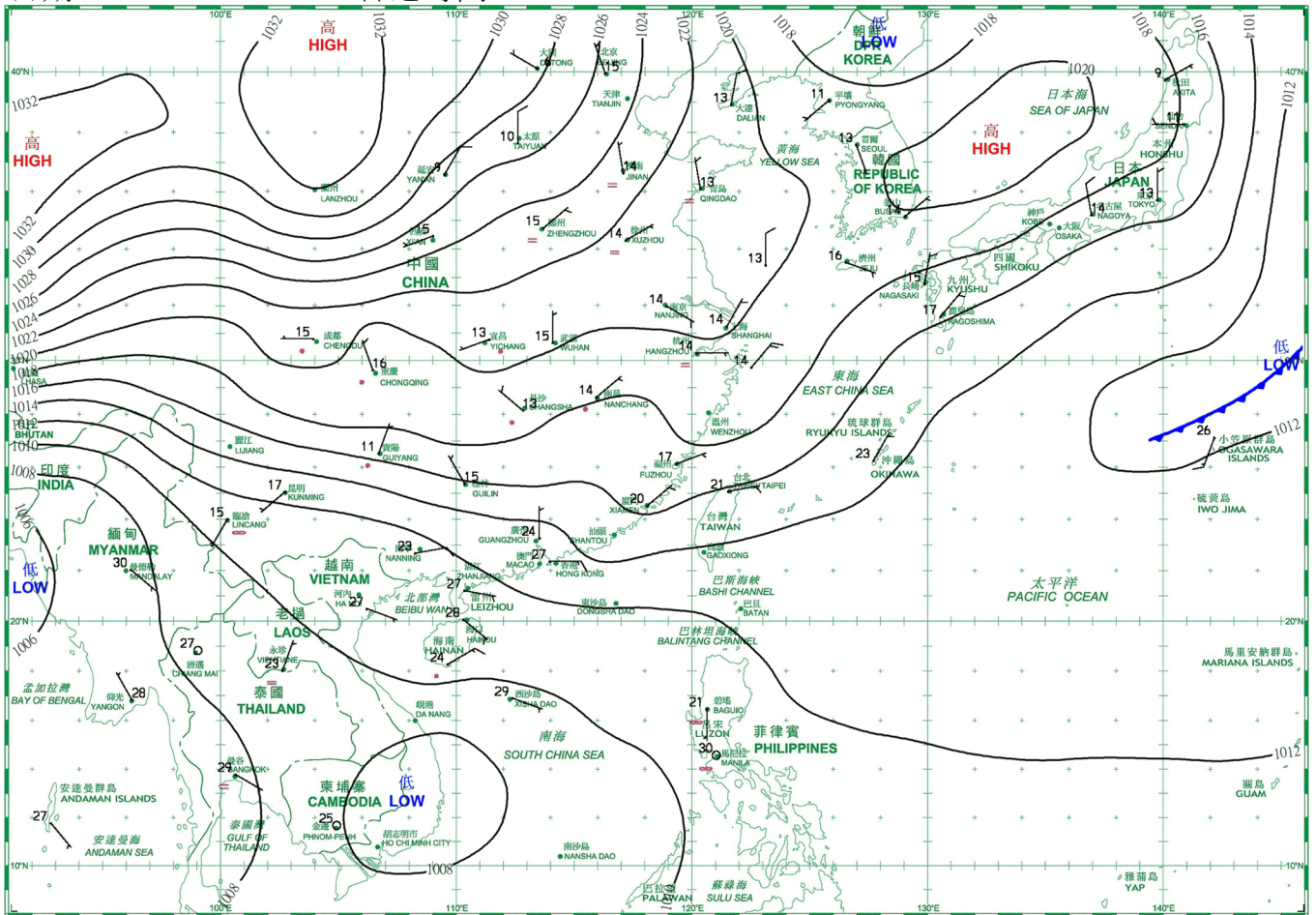
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日期/Date: 29.04.2022 香港時間/HK Time: 08:00



日期/Date: 30.04.2022 香港時間/HK Time: 08:00



4.1.1 二零二二年四月香港氣象觀測摘錄(一)

4.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), April 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				
四月 April	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1020.5	22.0	19.0	15.7	16.0	83	90	0.5
2	1023.2	16.1	15.0	13.7	10.7	76	88	1.3
3	1022.1	23.9	18.7	15.2	8.8	54	32	-
4	1022.2	25.6	20.1	16.8	9.9	53	5	-
5	1020.0	26.9	21.3	18.1	14.1	64	17	-
6	1017.6	26.2	22.3	19.4	16.3	70	15	-
7	1016.8	26.7	22.8	20.0	16.4	68	19	-
8	1015.7	29.1	23.6	20.5	11.9	50	8	-
9	1013.8	27.6	23.1	20.3	15.9	65	7	-
10	1012.4	28.5	23.8	20.5	17.0	67	13	-
11	1011.0	30.3	25.5	22.6	20.4	74	49	-
12	1008.9	30.2	25.7	23.0	21.2	77	31	-
13	1006.8	28.1	25.3	23.9	21.9	81	70	Tr
14	1008.4	27.8	25.5	23.0	19.4	69	36	-
15	1012.1	27.6	24.3	22.8	18.1	69	52	Tr
16	1013.7	22.9	21.8	21.2	16.8	73	87	Tr
17	1015.6	24.9	21.4	19.2	16.1	72	85	0.4
18	1016.7	23.2	21.7	20.9	17.2	76	88	Tr
19	1017.3	21.1	20.1	19.1	17.1	83	88	0.8
20	1015.4	25.6	21.9	19.8	17.2	75	86	-
21	1013.3	28.4	23.9	21.4	19.7	78	83	-
22	1012.3	27.2	24.8	23.4	22.0	84	87	-
23	1010.9	30.3	26.4	24.1	22.8	81	76	Tr
24	1009.3	30.9	27.2	24.9	23.2	79	80	-
25	1008.6	31.4	27.9	26.3	23.7	79	79	-
26	1008.3	29.8	27.7	26.2	23.8	80	88	-
27	1009.4	31.6	28.4	26.1	24.0	78	61	-
28	1010.8	31.6	28.4	26.8	24.4	79	60	-
29	1011.0	32.0	28.2	26.2	24.2	79	71	-
30	1012.3	26.8	25.4	24.3	22.7	85	83	0.5
平均/總值 Mean/Total	1013.9	27.1	23.7	21.5	18.4	73	58	3.5
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							

天文台於四月十三日 16 時 13 分錄得本月最低氣壓 1004.2 百帕斯卡。

The minimum pressure recorded at the Hong Kong Observatory was 1004.2 hectopascals at 1613 HKT on 13 April.

天文台於四月二十九日 15 時 57 分錄得本月最高氣溫 32.0 °C。

The maximum air temperature recorded at the Hong Kong Observatory was 32.0 °C at 1557 HKT on 29 April.

天文台於四月二日 18 時 26 分錄得本月最低氣溫 13.7 °C。

The minimum air temperature recorded at the Hong Kong Observatory was 13.7 °C at 1826 HKT on 2 April.

京士柏於四月三十日 7 時 18 分錄得本月最高1分鐘平均降雨率 13 毫米/小時。

The maximum 1-minute mean rainfall rate recorded at King's Park was 13 millimetres per hour at 0718 HKT on 30 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)

4.1.2 二零二二年四月香港氣象觀測摘錄(二)

4.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), April 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
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	-	4.10	2.4	070	43.1
2	0	-	5.09	1.8	010	40.3
3	0	9.5	26.02	4.4	010	29.4
4	0	11.1	27.15	4.5	070	35.6
5	0	11.0	25.64	3.5	070	17.3
6	0	10.9	24.27	4.7	030	12.9
7	0	10.7	24.08	5.4	040	15.9
8	0	10.9	26.24	5.5	060	16.1
9	0	11.0	26.95	4.7	050	16.7
10	0	11.1	26.55	4.1	050	13.5
11	0	6.2	17.46	3.1	360	5.3
12	0	9.6	21.69	3.6	130	8.9
13	0	4.5	13.13	3.5	230	10.0
14	0	10.1	24.96	5.8	160	9.9
15	0	10.6	24.98	5.7	080	37.9
16	0	1.1	11.17	3.5	080	45.6
17	0	2.9	14.24	3.5	080	37.1
18	1	0.1	4.74	1.2	060	24.3
19	0	-	3.87	1.1	010	17.3
20	2	4.9	17.58	3.6	070	15.6
21	6	8.6	21.15	3.6	080	11.5
22	0	2.5	13.49	2.7	050	9.8
23	0	8.6	21.48	4.3	080	4.5
24	0	6.0	18.88	4.1	140	8.1
25	0	3.9	15.69	3.8	160	13.7
26	0	2.1	12.32	3.0	170	10.8
27	0	7.7	19.30	3.6	150	8.5
28	0	6.1	20.07	4.4	090	10.9
29	0	9.4	22.38	4.5	060	9.7
30	0	-	4.84	1.8	080	28.3
平均/總值 Mean/Total	9	191.1	17.98	111.4	080	18.9
正常* Normal*	72.7 §	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 [^]	

橫瀾島於四月十五日 5 時 56 分錄得本月最高陣風 66 公里/小時，風向 090 度。

The maximum gust peak speed recorded at Waglan Island was 66 kilometres per hour from 090 degrees at 0556 HKT on 15 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/normal.s.htm)

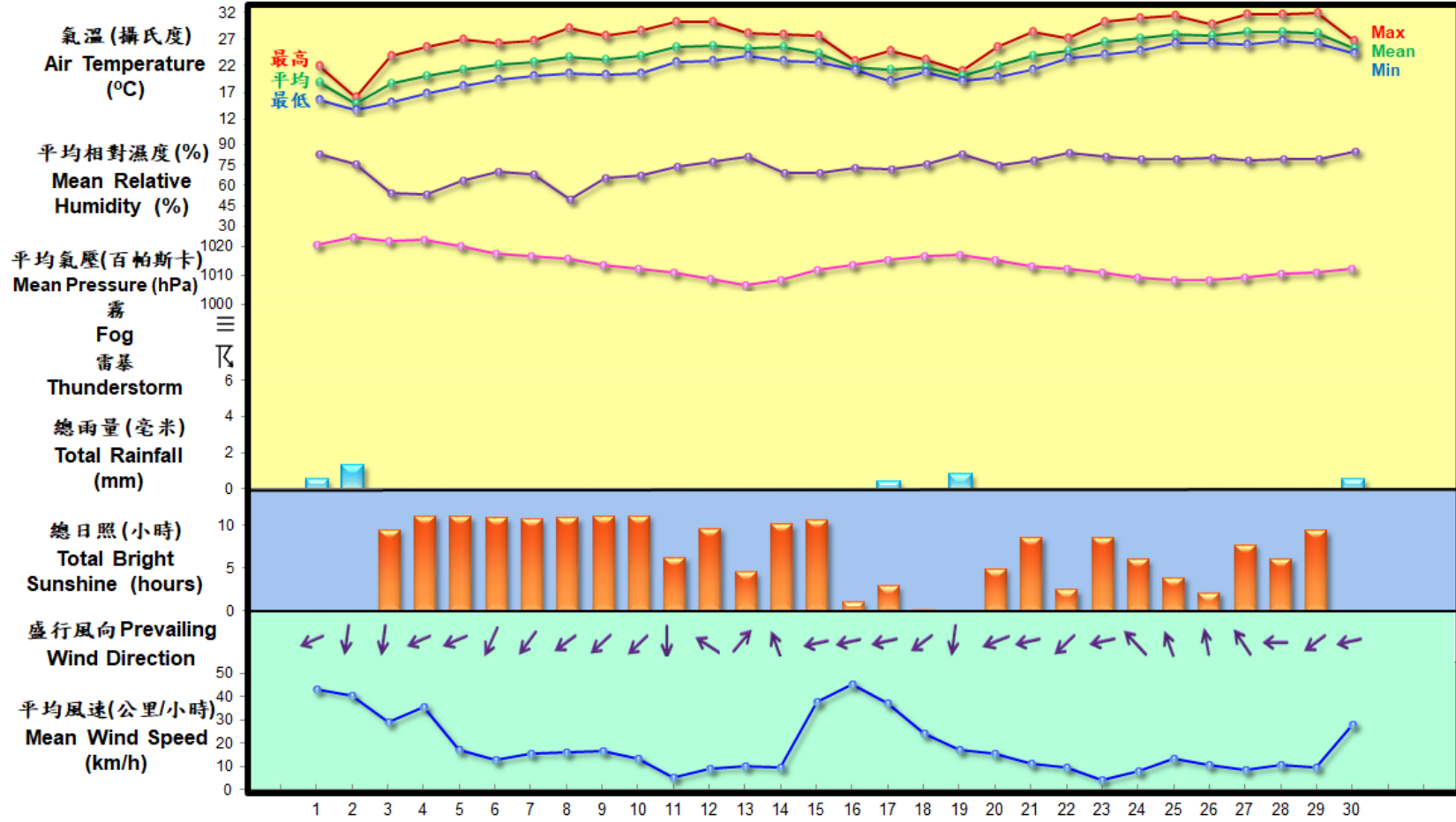
* 1991-2020 Climatological normal, unless otherwise specified (http://www.hko.gov.hk/en/cis/normal/1991_2020/normal.s.htm)

§ 1997-2021 平均值

§ 1997-2021 Mean value

4.2 2022年4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, April 2022



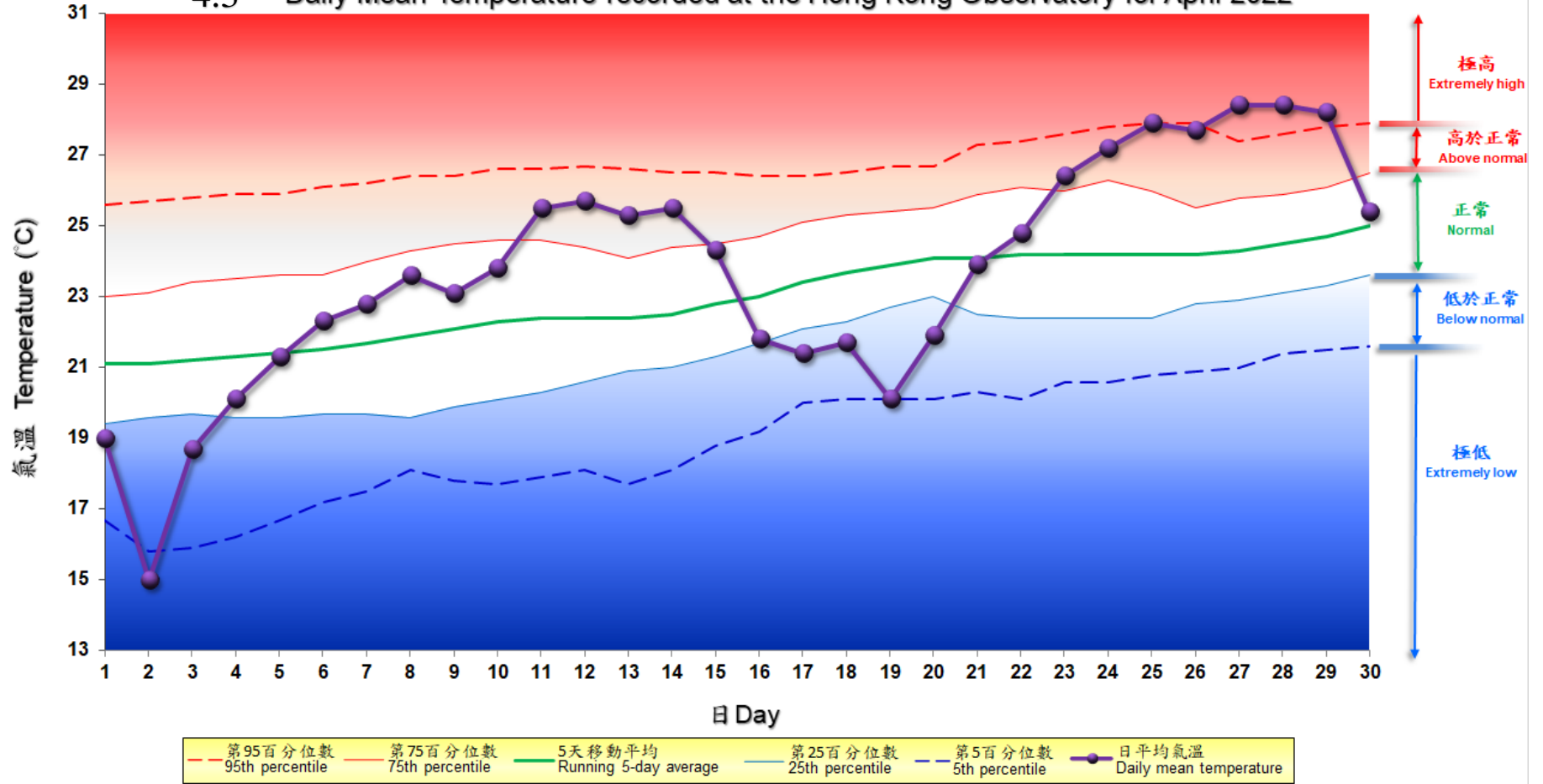
香港天文台
Hong Kong
Observatory

京士柏
King's Park

橫瀾島
Waglan Island

4.3 2022年4月香港天文台錄得的日平均氣溫

4.3 Daily Mean Temperature recorded at the Hong Kong Observatory for April 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