

每月天氣摘要 二零二零年二月

Monthly Weather Summary February 2020



目錄

	<u>頁</u>
1. 二零二零年二月天氣回顧	1
2. 二零二零年二月每日天氣圖	7
3. 二零二零年二月氣象觀測資料	22

Contents

	<u>Page</u>
1. Weather Review of February 2020	2
2. Daily Weather Maps for February 2020	7
3. Meteorological Observations for February 2020	22

二零二零年三月出版

香港天文台編製
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1. 二零二零年二月天氣回顧

二零二零年二月本港遠較正常溫暖。本月平均最高氣溫 21.4 度，較正常值 18.9 度高 2.5 度，是有記錄以來二月的第六高。本月平均氣溫 18.5 度及平均最低氣溫 16.6 度，分別較其正常值高 1.7 度及 1.6 度，均是有記錄以來二月的其中一個第八高。此外，本港二零一九年十二月至二零二零年二月的冬季異常溫暖，平均最高氣溫 21.5 度，是同期最高紀錄，而平均氣溫 18.7 度及平均最低氣溫 16.8 度，均是有記錄以來同期的第二高。二零二零年二月亦較正常多雨，本月錄得雨量 79.8 毫米，較正常值 54.4 毫米多約百分之 47。本年首兩個月的累積雨量為 94.6 毫米，較同期正常值 79.1 毫米多約百分之 20。

受東北季候風影響，二月一日早上天氣清涼，日間部分時間有陽光。受一道覆蓋華南的雲帶影響下，二月二日至四日本港雲量增多及有幾陣雨。受到二月五日一股偏東氣流增強及二月七日的東北季候風補充所影響，二月五日至十一日本港持續大致多雲及有幾陣雨，早上天氣清涼。影響華南的東北季候風於二月十二日逐漸被一股海洋氣流取代，本港天氣回暖，部分時間有陽光及沿岸有薄霧，當天赤鱘角的能見度曾下降至約 1000 米。

受高空擾動影響，二月十三日及十四日本港天氣轉為多雲及有雷雨。二月十三日早上雨勢頗大，天文台需要發出本年第一個黃色暴雨警告，亦是自一九九二年暴雨警告系統開始運作以來的年度第二早發出的黃色暴雨警告，香港島、九龍、大嶼山及西貢錄得超過 30 毫米雨量。受一股潮濕的海洋氣流影響，二月十五日本港多雲及有霧，橫瀾島的能見度曾下降至 200 米以下。

一道冷鋒於二月十五日晚間橫過廣東沿岸。二月十六日本港大致多雲及間中有雨，天氣顯著轉冷。與其相關之強烈而乾燥的冬季季候風於二月十七日及十八日為本港帶來普遍晴朗及早上寒冷的天氣。在無雲的情況下，二月十七日早上天文台氣溫下降至本月最低的 10.3 度。

乾燥的東北季候風於二月十九日至二十三日持續為本港帶來普遍晴朗的天氣。隨著東北季候風緩和，二月二十四日本港天氣轉為大致多雲，日間短暫時間有陽光。受一股海洋氣流影響，二月二十五日本港天氣回暖及部分時間有陽光。在陽光充沛的情況下，二月二十六日下午天文台氣溫上升至本月最高的 28.1 度，是有記錄以來二月份的第二高。受一股清勁至強風程度的偏東氣流影響，二月二十七日本港天氣稍涼及較多雲。隨著偏東氣流緩和並逐漸被一股海洋氣流取代，二月二十八日及二十九日本港天氣回暖及部分時間有陽光。

本月沒有熱帶氣旋影響南海及北太平洋西部。

本月有一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 February 2020

February 2020 was much warmer than usual. The monthly mean maximum temperature was 21.4 degrees, 2.5 degrees above the normal figure of 18.9 degrees and the sixth highest on record for February. The monthly mean temperature of 18.5 degrees and mean minimum temperature of 16.6 degrees were respectively 1.7 degrees and 1.6 degrees above their corresponding normal figures. Both were one of the eighth highest on record for February. Moreover, the winter from December 2019 to February 2020 was exceptionally warm in Hong Kong. The mean maximum temperature of 21.5 degrees was the highest on record for the same period. The mean temperature of 18.7 degrees and mean minimum temperature of 16.8 degrees were both the second highest on record for the same period. February 2020 was also wetter than normal with the monthly rainfall of 79.8 millimetres, about 47 percent above the normal of 54.4 millimetres. The accumulated rainfall recorded in the first two months of the year was 94.6 millimetres, about 20 percent above the normal figure of 79.1 millimetres for the same period.

Under the influence of the northeast monsoon, it was cool in the morning with sunny periods during the day on 1 February. Affected by the cloud band spreading over southern China, local weather turned cloudier with rain patches on 2 – 4 February. With the strengthening of an easterly airstream on 5 February and the subsequent replenishment of the northeast monsoon on 7 February, mainly cloudy weather with rain patches and cool mornings persisted during 5 – 11 February. The northeast monsoon affecting southern China was gradually replaced by a maritime airstream on 12 February and local weather became warm with sunny periods and coastal mist. The visibility at Chek Lap Kok once fell to around 1000 metres on that day.

Affected by an upper-air disturbance, the weather of Hong Kong turned cloudy with thundery showers on 13 – 14 February. The showers were particularly heavy on the morning of 13 February which necessitated the issuance of the first Amber Rainstorm Warning in the year. This was also the second earliest Amber Rainstorm Warning since the rainstorm warning system commenced operation in 1992. More than 30 millimetres of rainfall were recorded over Hong Kong Island, Kowloon, Lantau Island and Sai Kung. Under the influence of a humid maritime airstream, it was cloudy and foggy in Hong Kong on 15 February with the visibility at Waglan Island falling below 200 metres.

A cold front moved across the coast of Guangdong on the night of 15 February. Locally, it was mainly cloudy with occasional rain and became appreciably colder on 16 February. The associated intense but dry winter monsoon brought generally fine weather to the territory with cold mornings on 17 – 18 February. Under clear sky, the temperatures at the Hong Kong Observatory fell to a minimum of 10.3 degrees on the morning of 17 February, the lowest of the month.

The dry northeast monsoon continued to bring generally fine weather to Hong Kong during 19 – 23 February. With the moderation of the northeast monsoon, local weather became mainly cloudy with sunny intervals during the day on 24 February. Under the influence of a maritime airstream, it became warm with sunny periods on 25 February. With plenty of sunshine on 26 February, temperatures at the Hong Kong Observatory rose to the month's highest of 28.1 degrees in the afternoon, the second highest on record for February. Under the influence of a fresh to strong easterly airstream, the weather of Hong Kong became cloudier and slightly cooler on 27 February. With the easterlies moderating and gradually replacing by a maritime airstream, it became warmer with sunny periods in Hong Kong on 28 – 29 February.

No tropical cyclone occurred over the South China Sea and the western North Pacific in the month.

During the month, one 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 二零二零年二月發出的警告及信號
Table 1.1 Warnings and Signals issued in February 2020

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
5/2	1615	6/2	1440
16/2	0340	17/2	1130

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	2/2	0600	2/2	1700
黃色 Yellow	9/2	1000	9/2	1900
黃色 Yellow	16/2	1115	16/2	1530
紅色 Red	17/2	0600	18/2	2100
黃色 Yellow	22/2	0600	22/2	1830
黃色 Yellow	23/2	0600	23/2	1945

寒冷天氣警告

Cold 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
26/1	1620	1/2	0915
15/2	1620	19/2	0915

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
13/2	0850	13/2	1200
13/2	1320	13/2	1530
14/2	0330	14/2	1200

霜凍警告

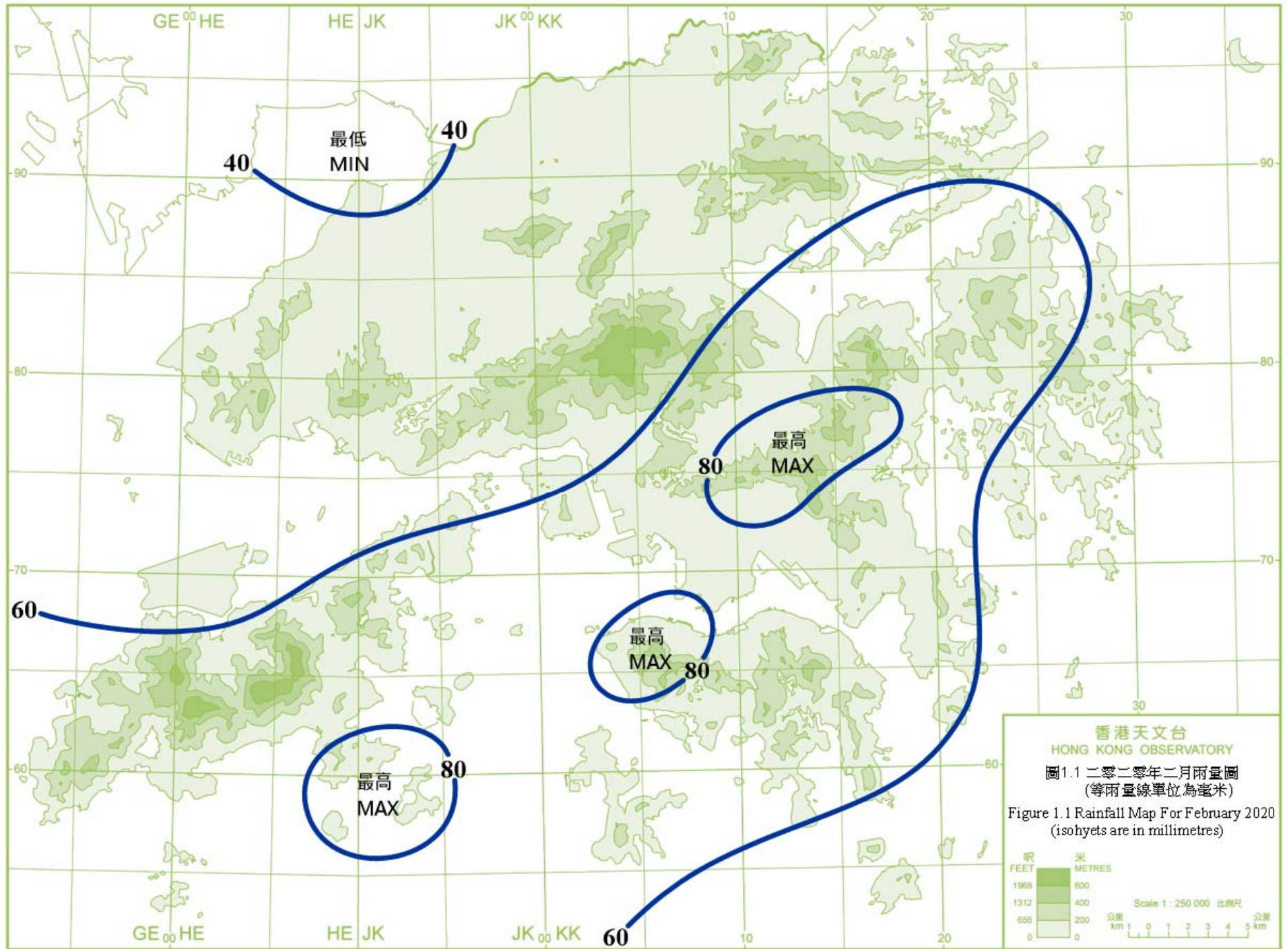
Frost Warning

開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour
17/2	1630	18/2	0745

暴雨警告信號

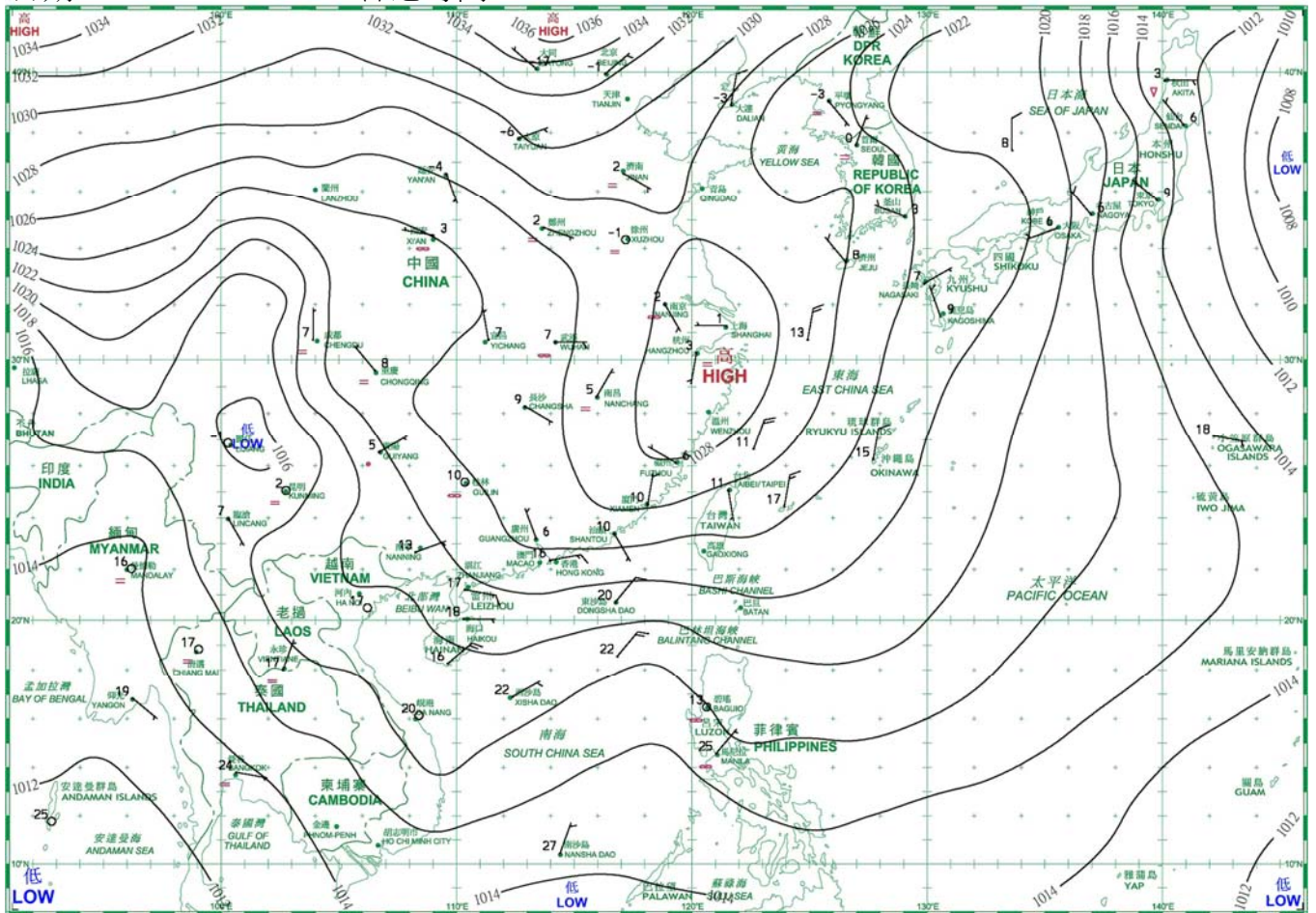
Rainstorm Warnings

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	13/2	1010	13/2	1115

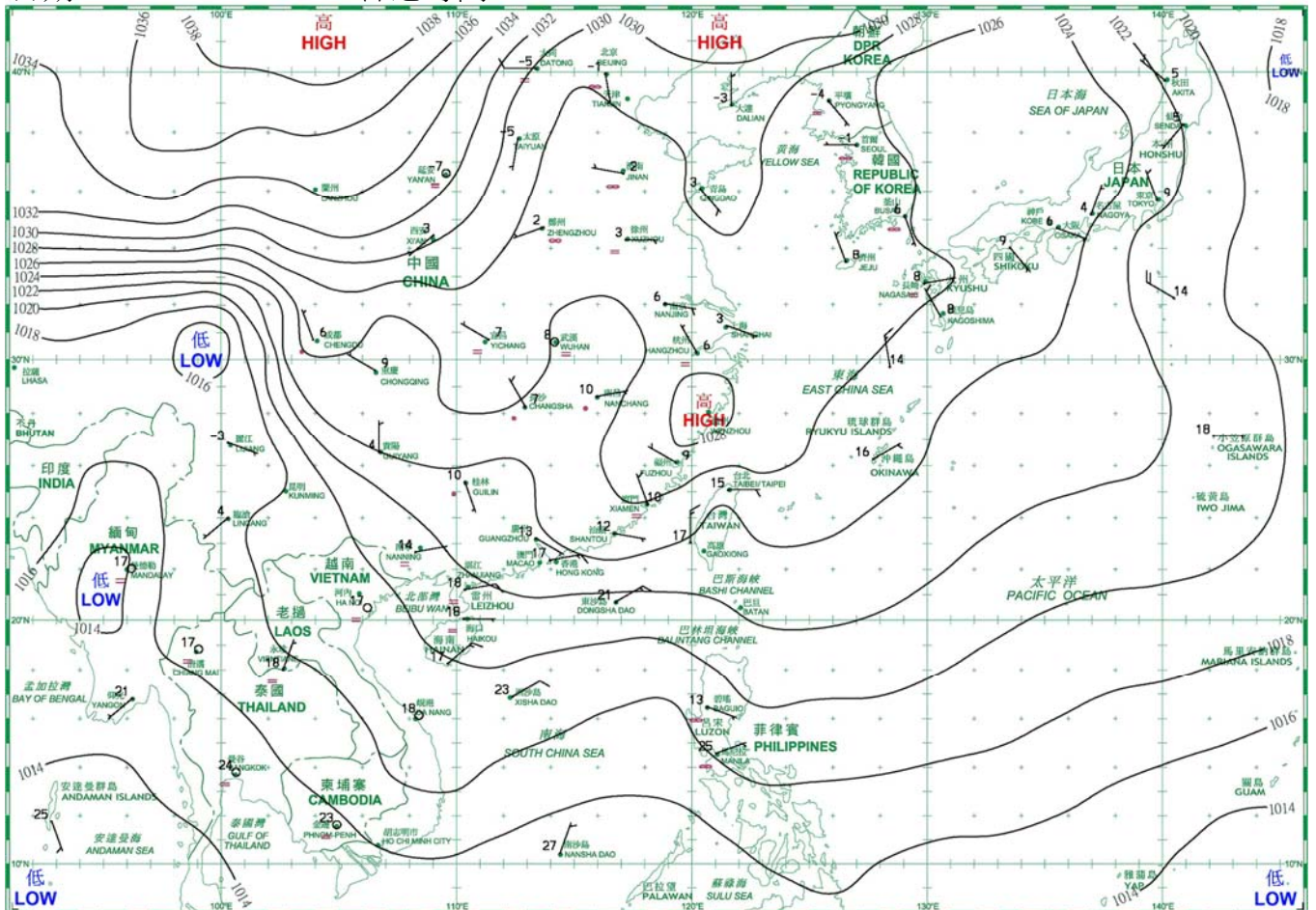


2. 二零二零年二月每日天氣圖 Daily Weather Maps for February 2020

日期/Date: 01.02.2020 香港時間/HK Time: 08:00

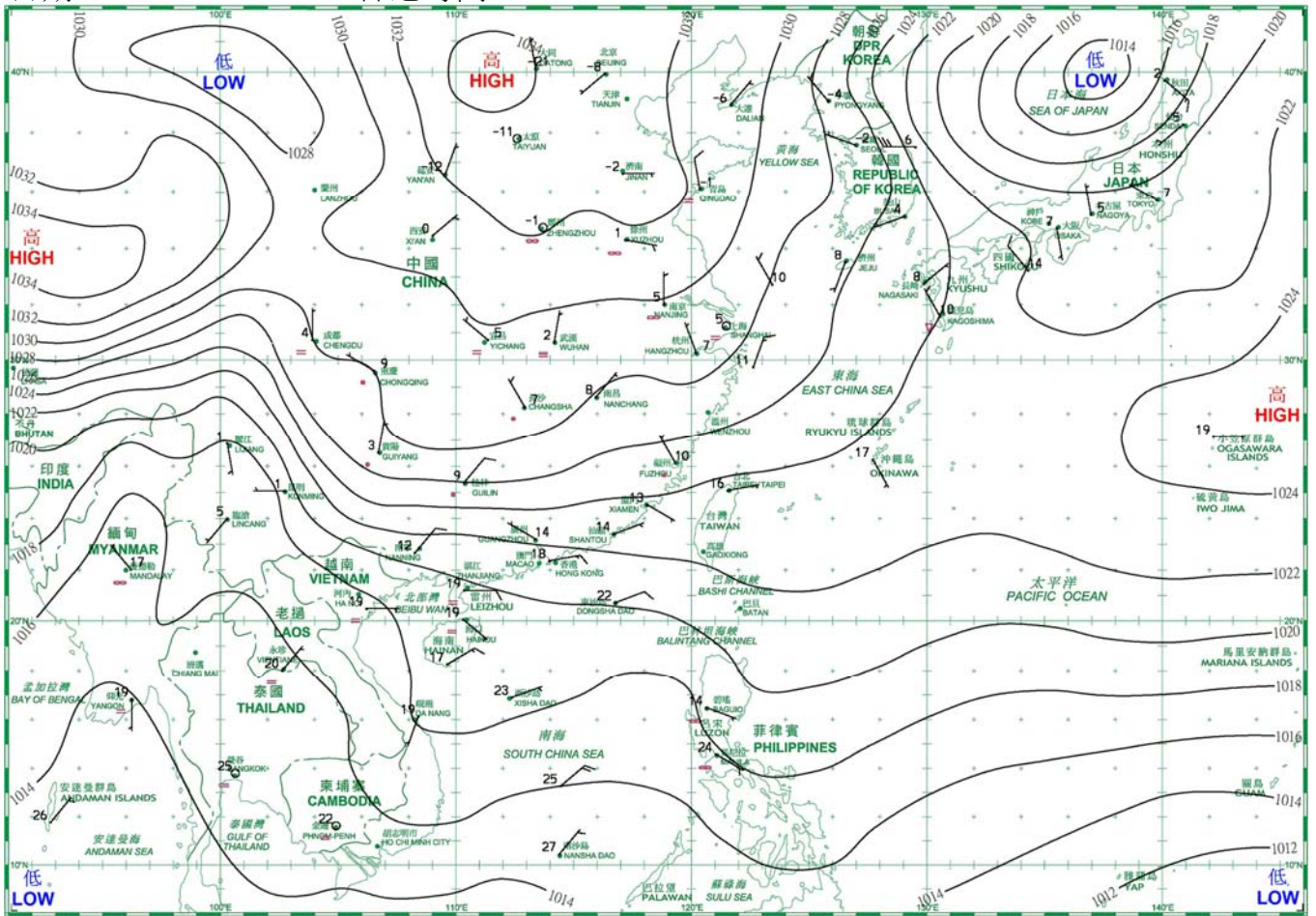


日期/Date: 02.02.2020 香港時間/HK Time: 08:00

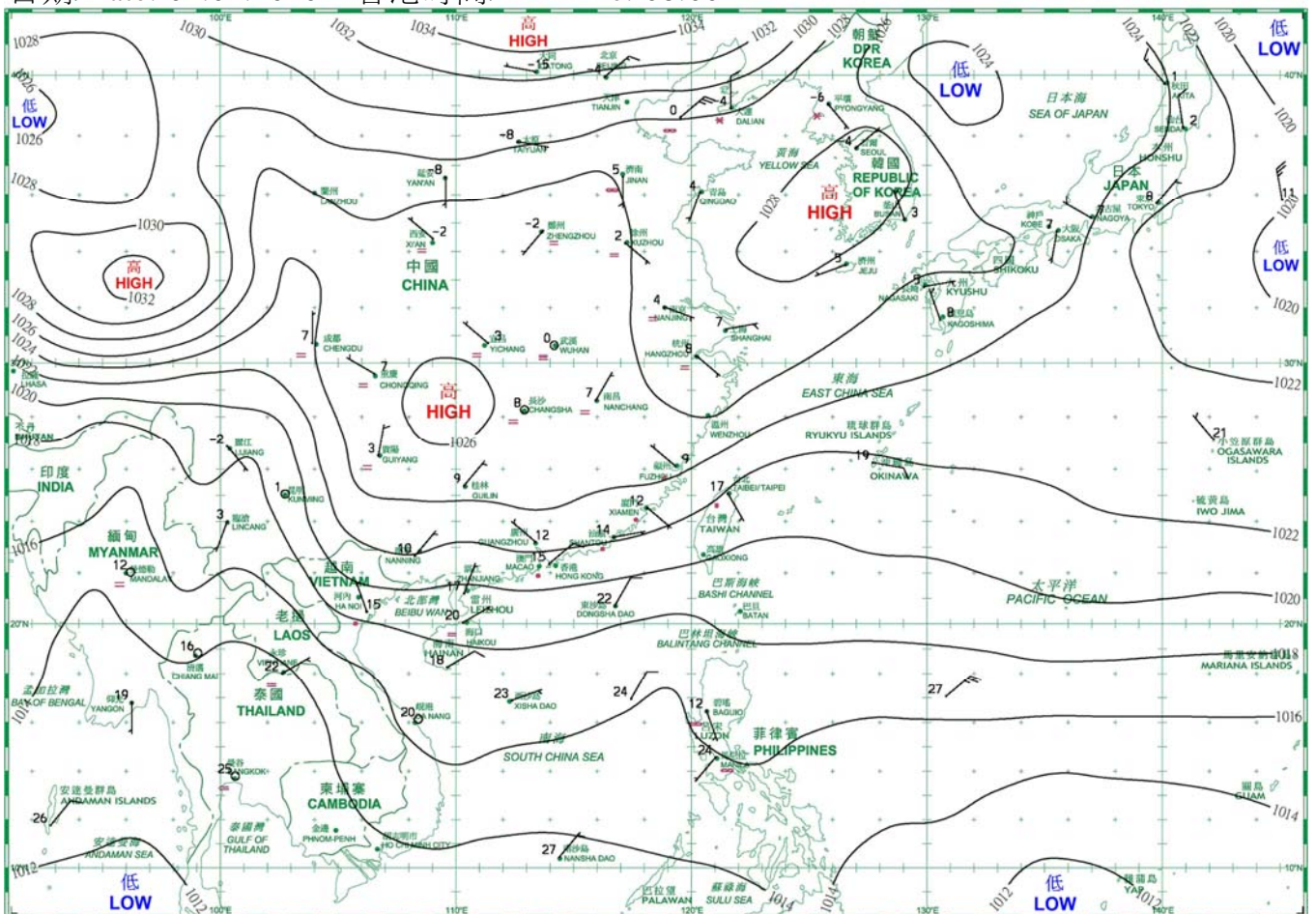


- 等壓線 Isobar(hPa)
- 暖鋒 Warm Front
- 靜止鋒 Stationary Front
- 消散中的冷鋒 Dissipating Cold Front
- 冷鋒 Cold Front
- 錮囚鋒 Occlusion
- 槽軸 (線) Axis of Trough
- 熱帶氣旋中心 Centre of Tropical Cyclone

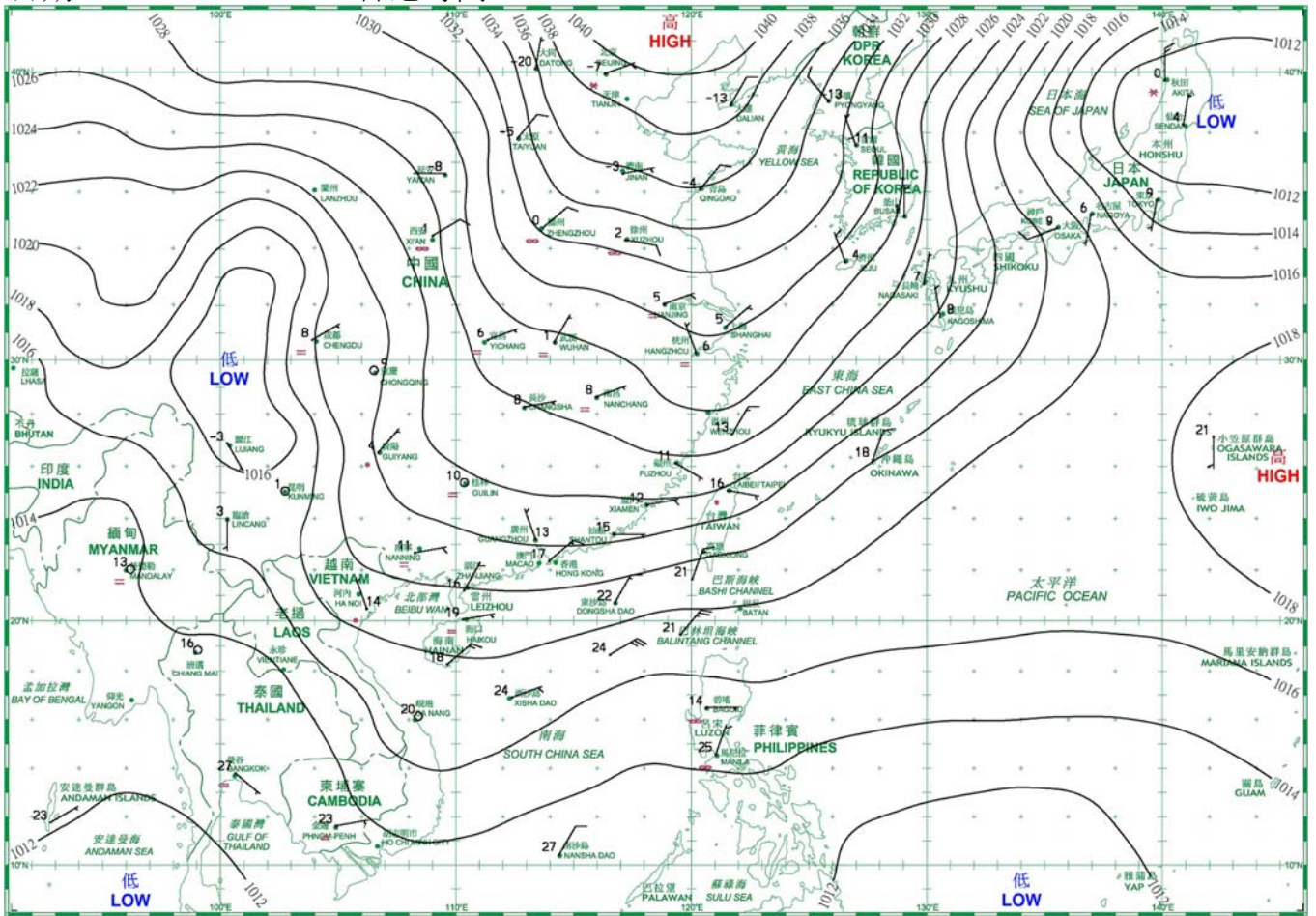
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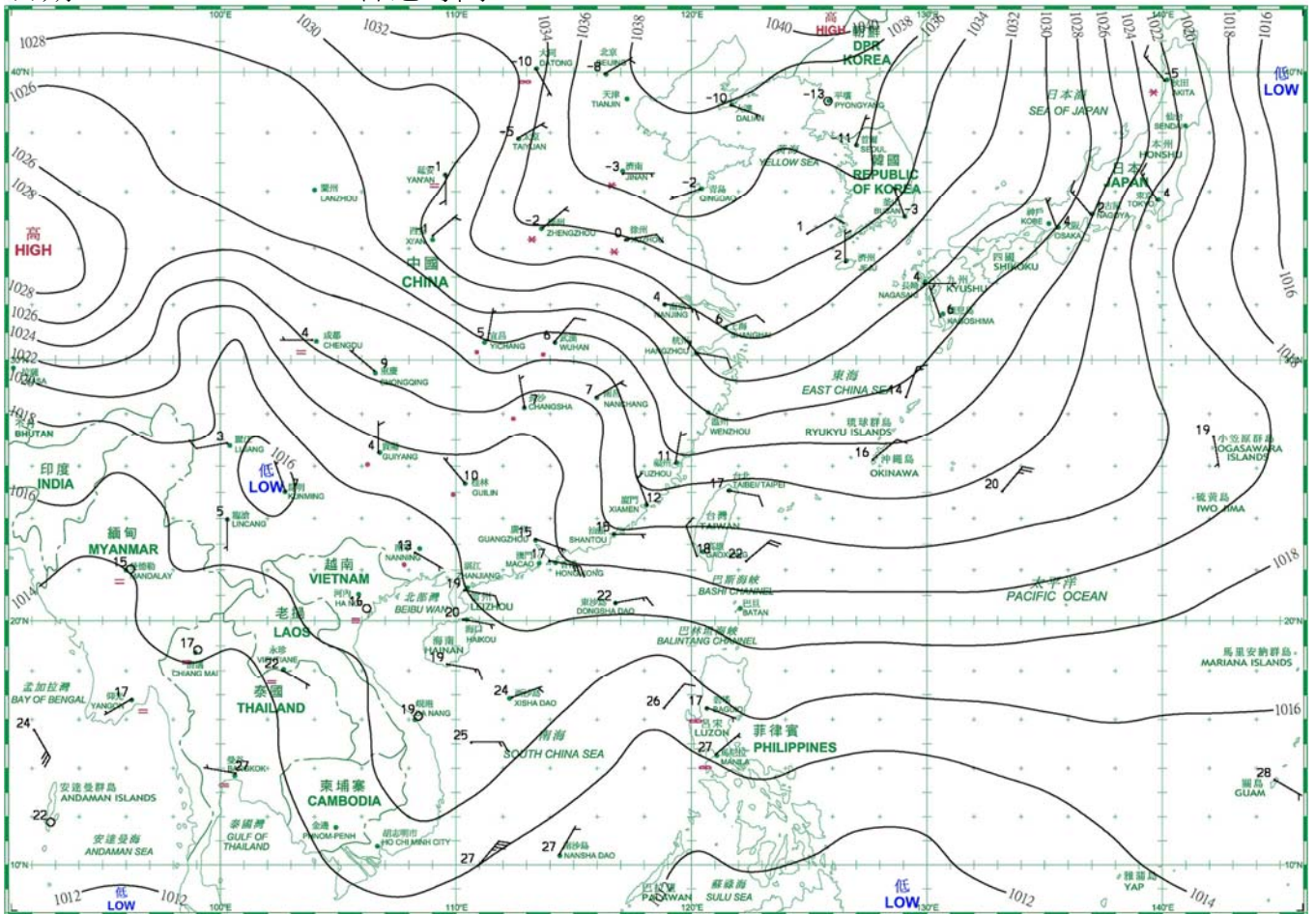
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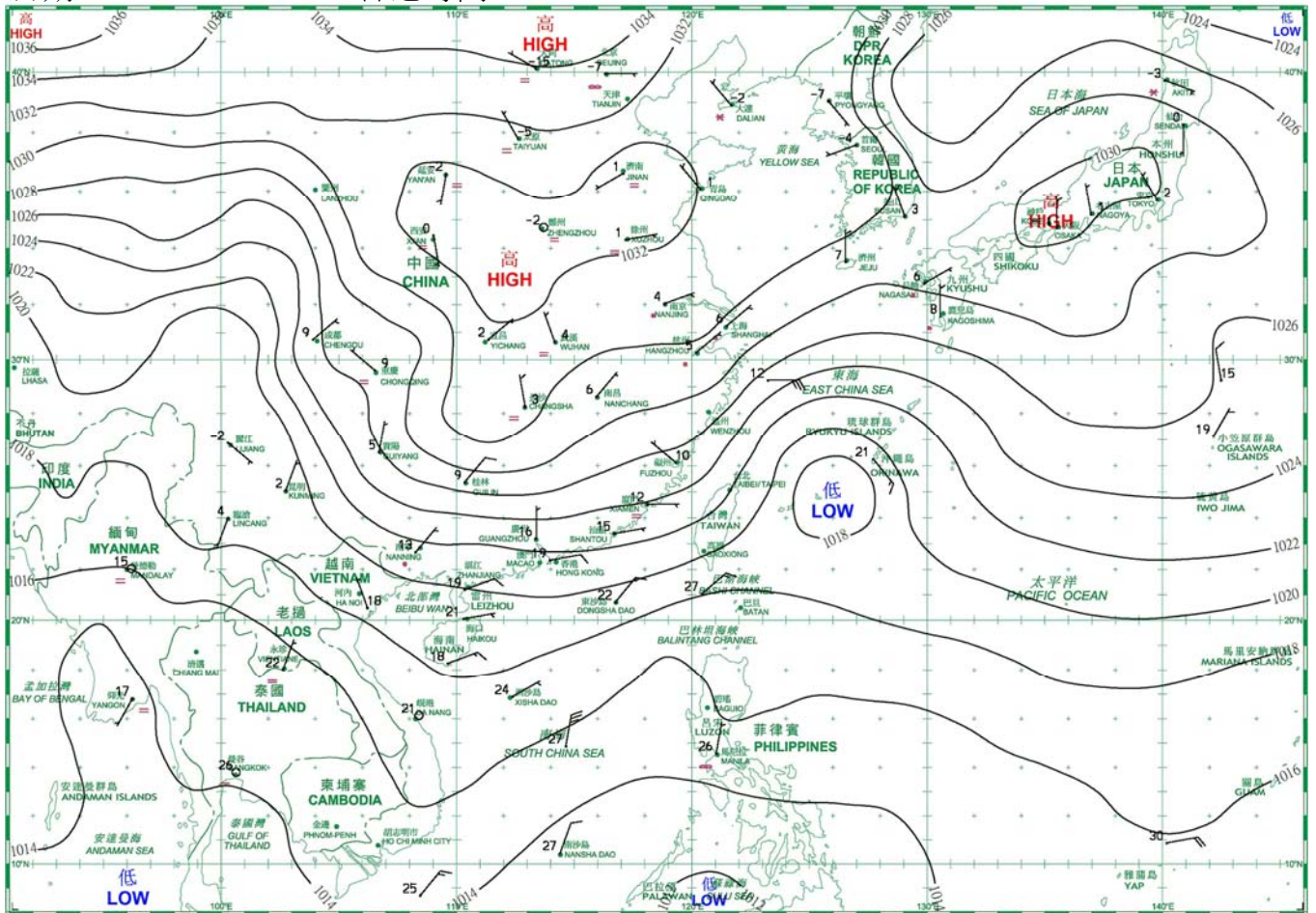
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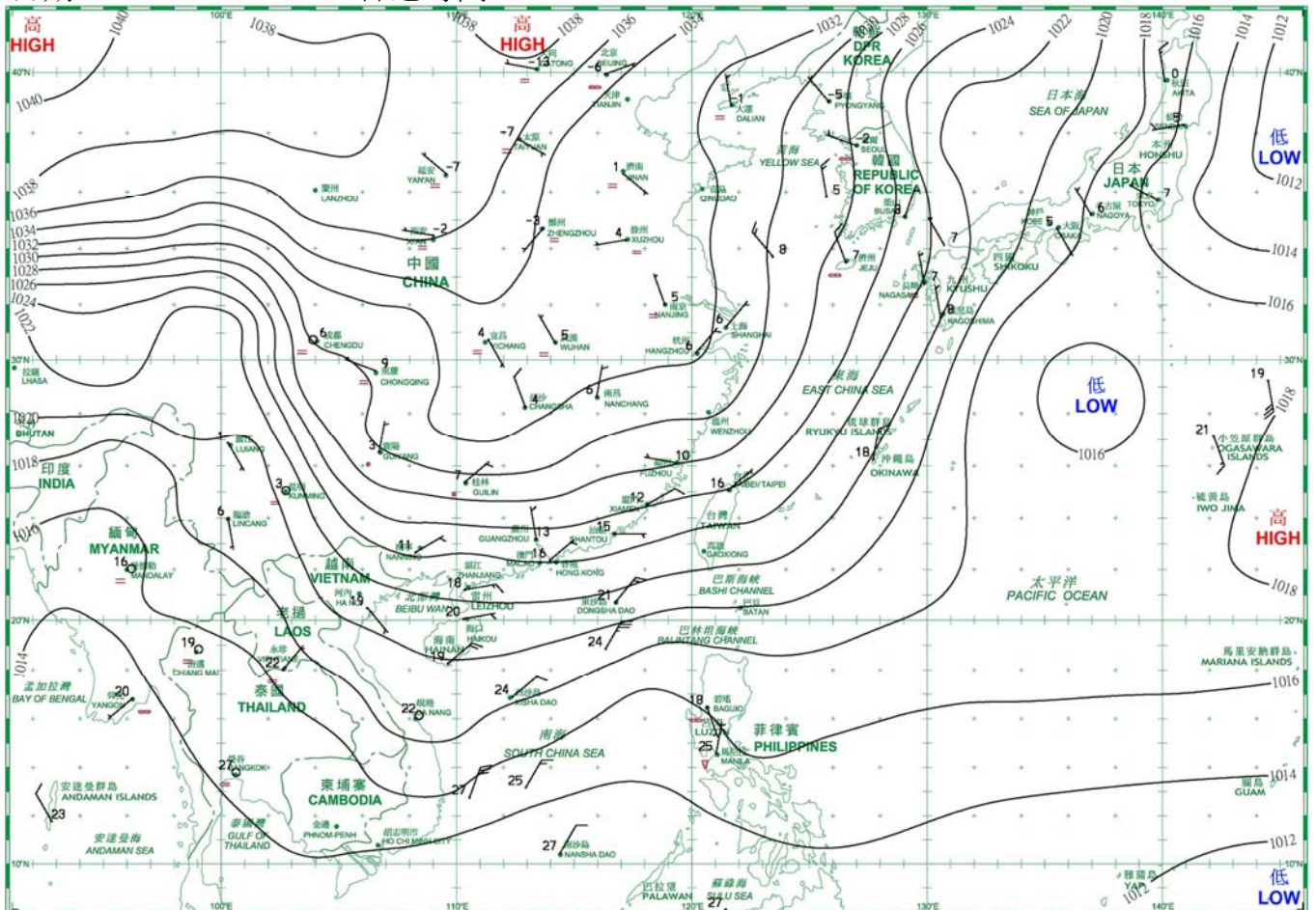
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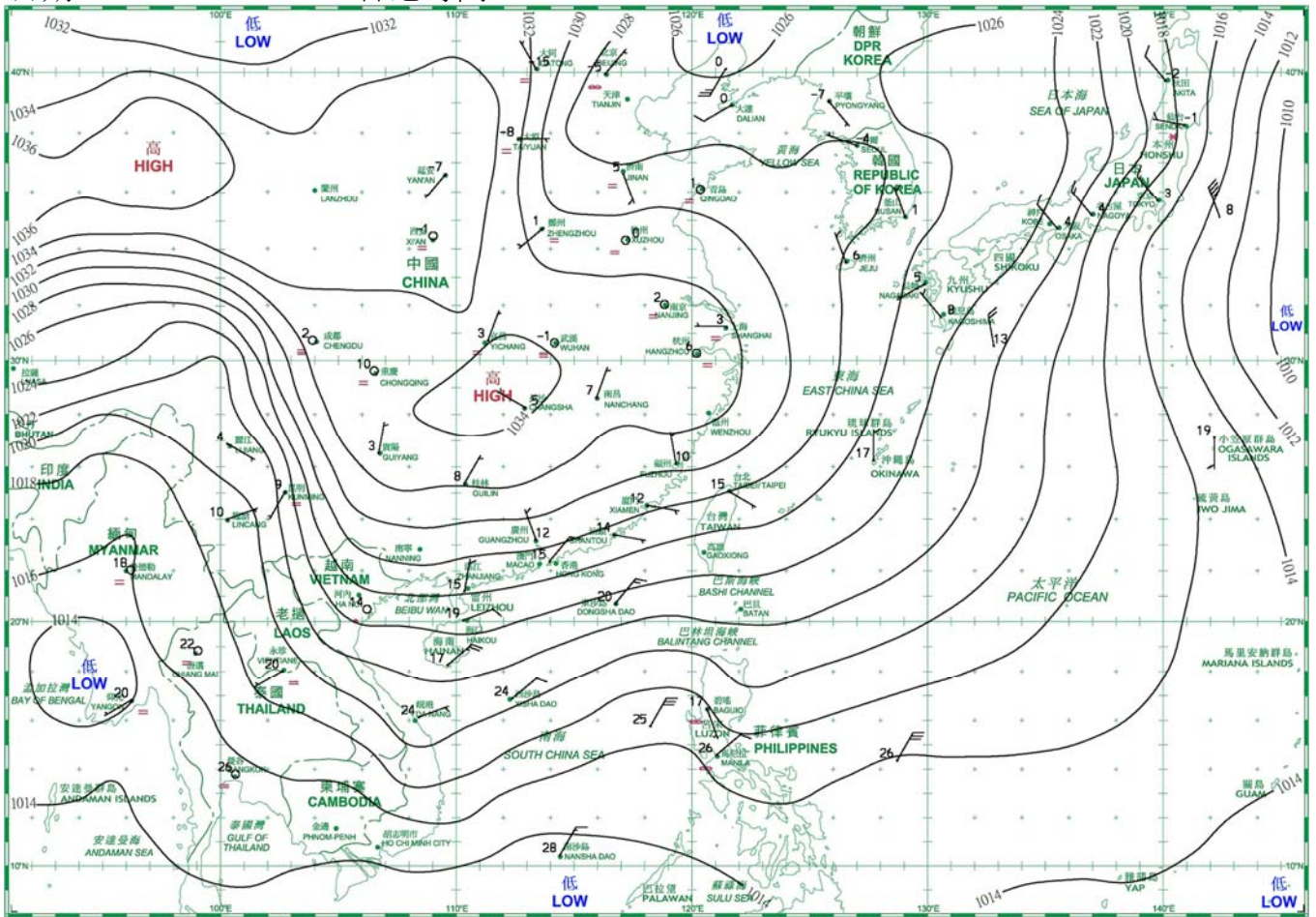
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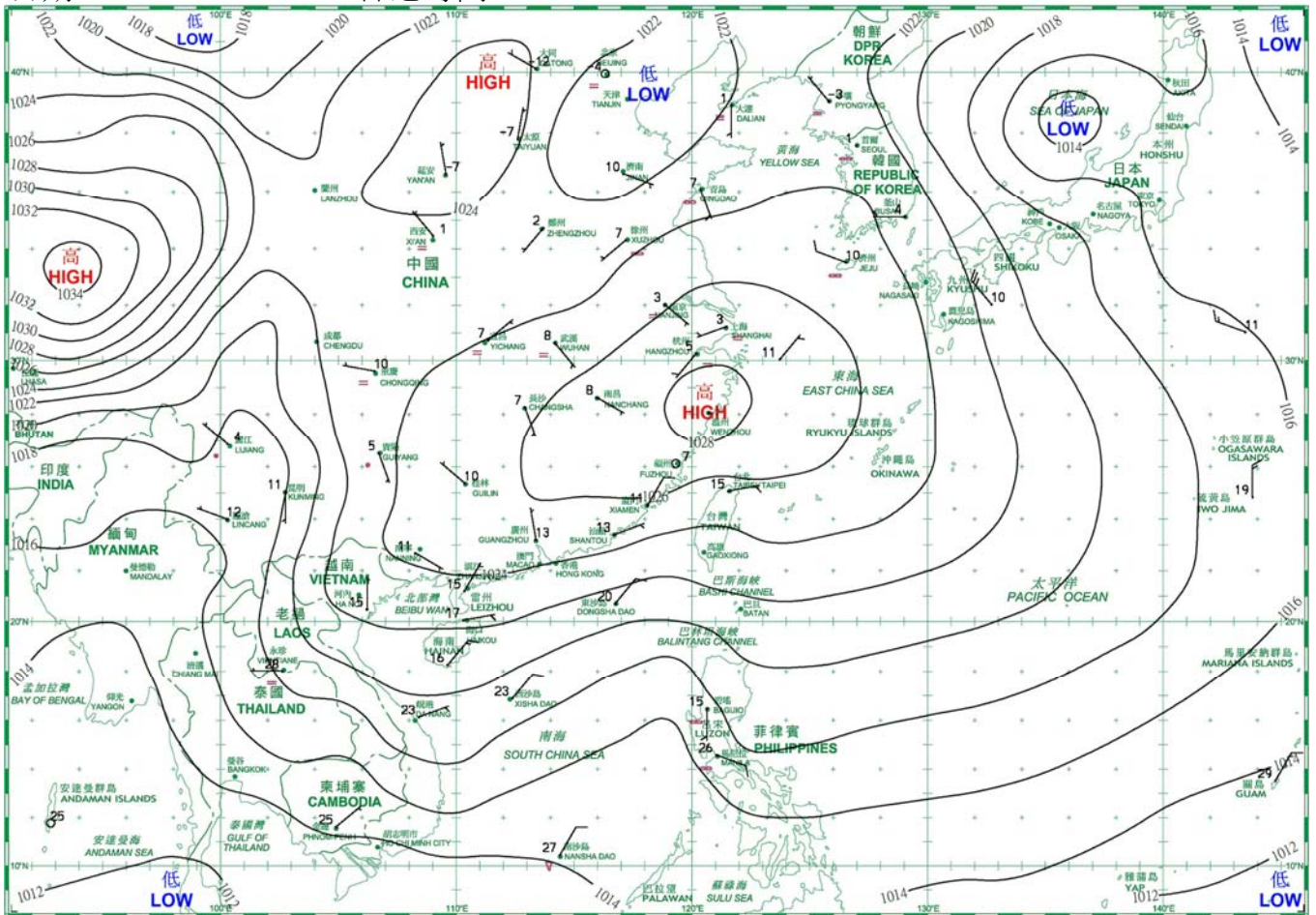
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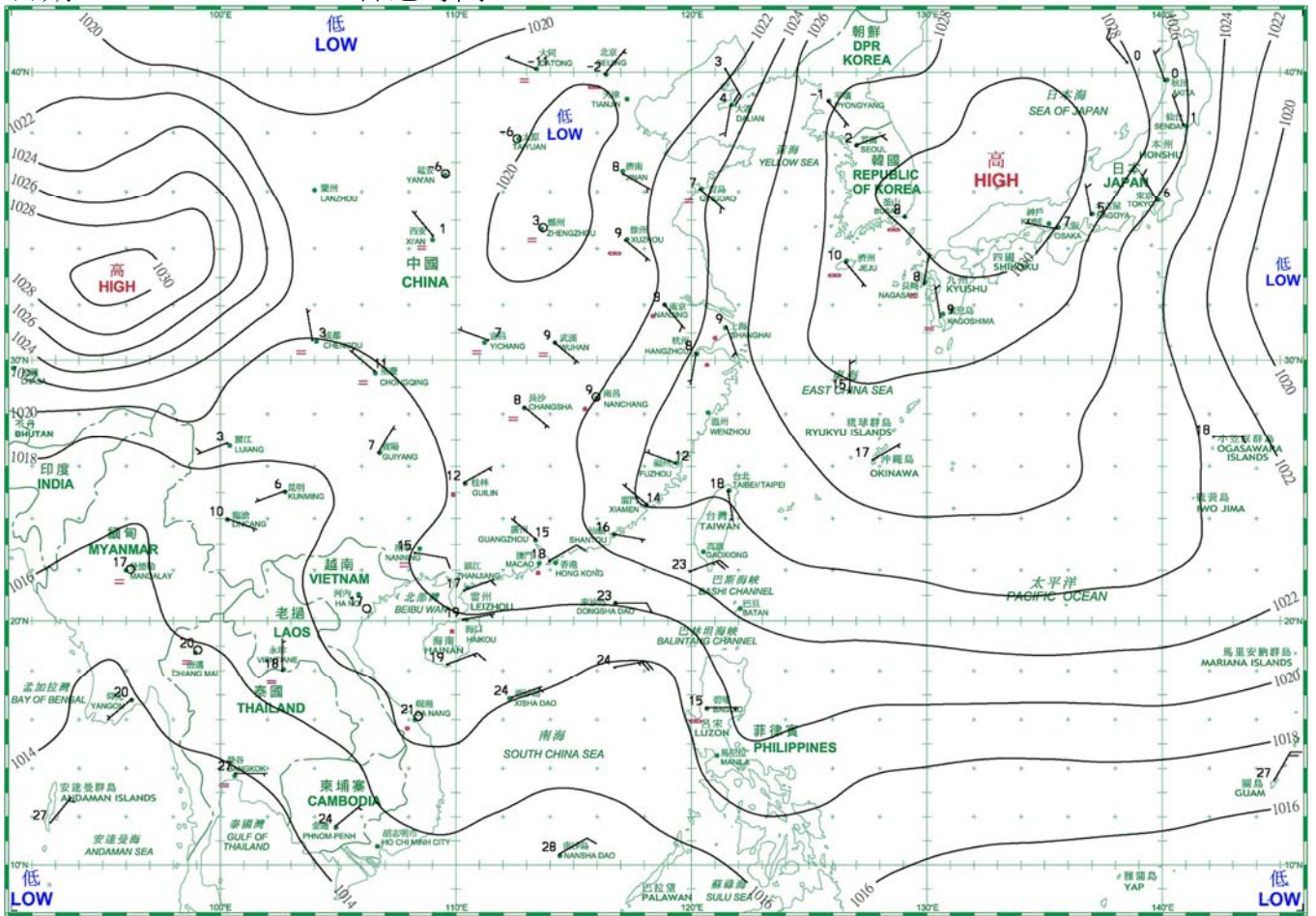
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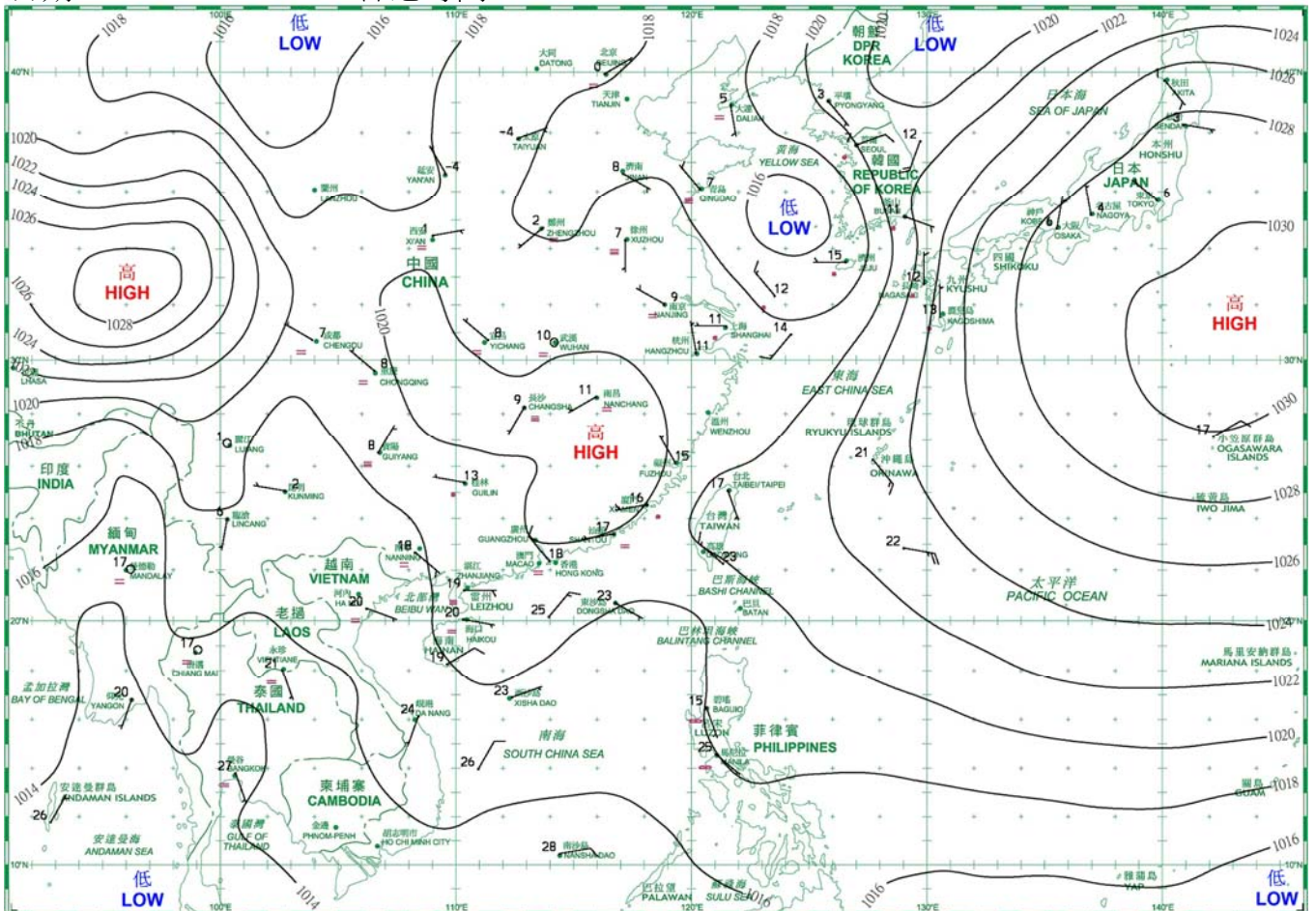
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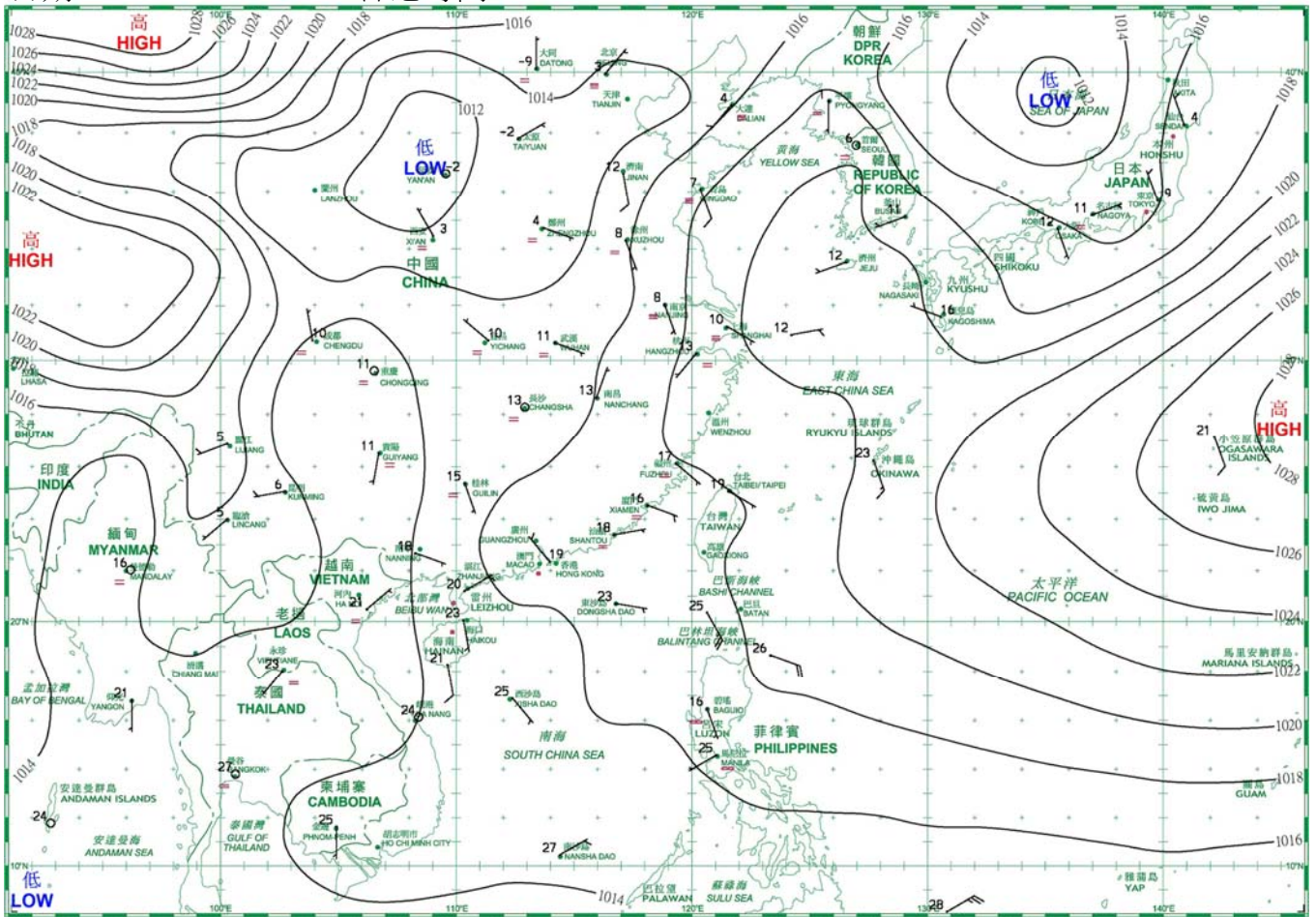
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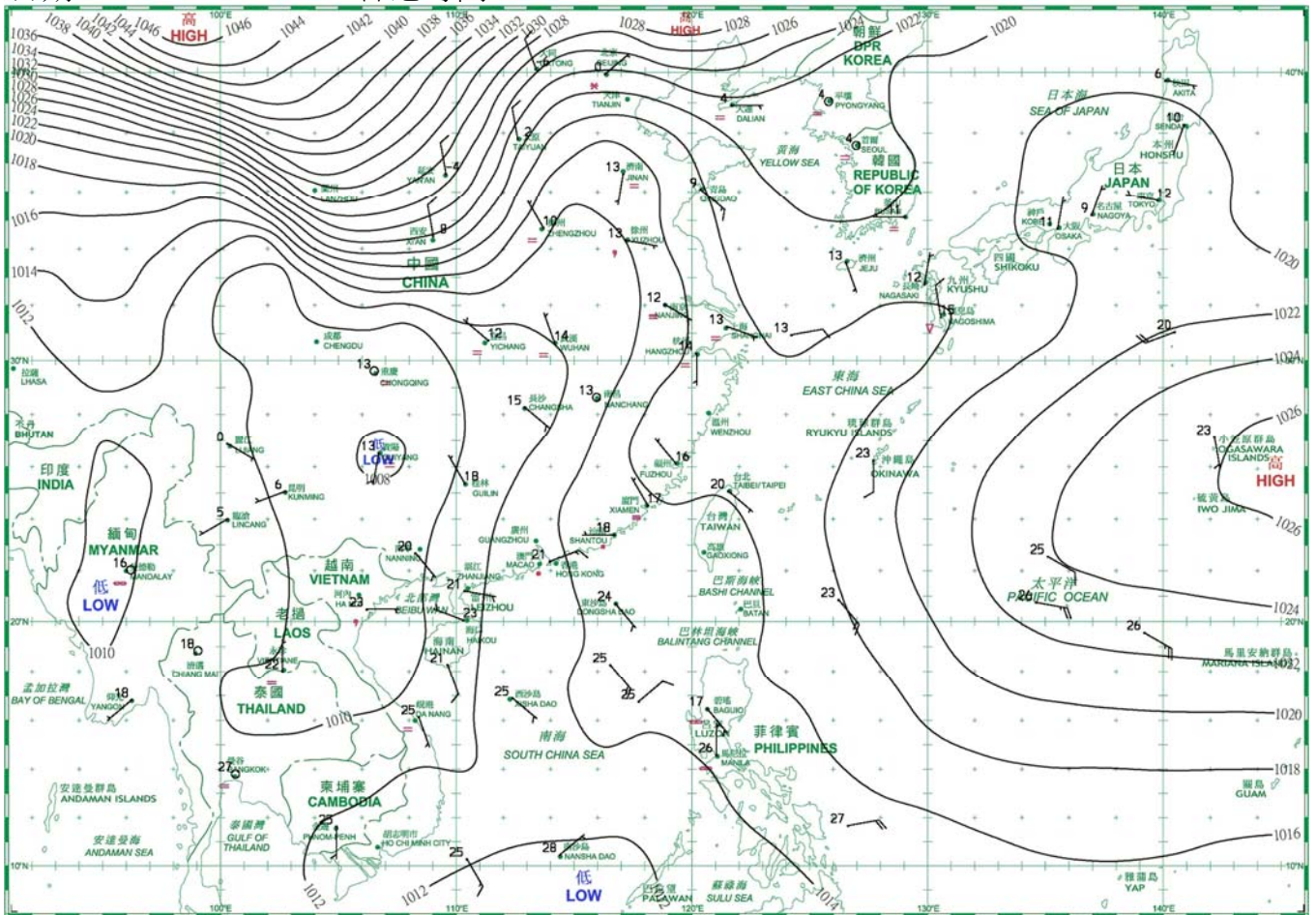
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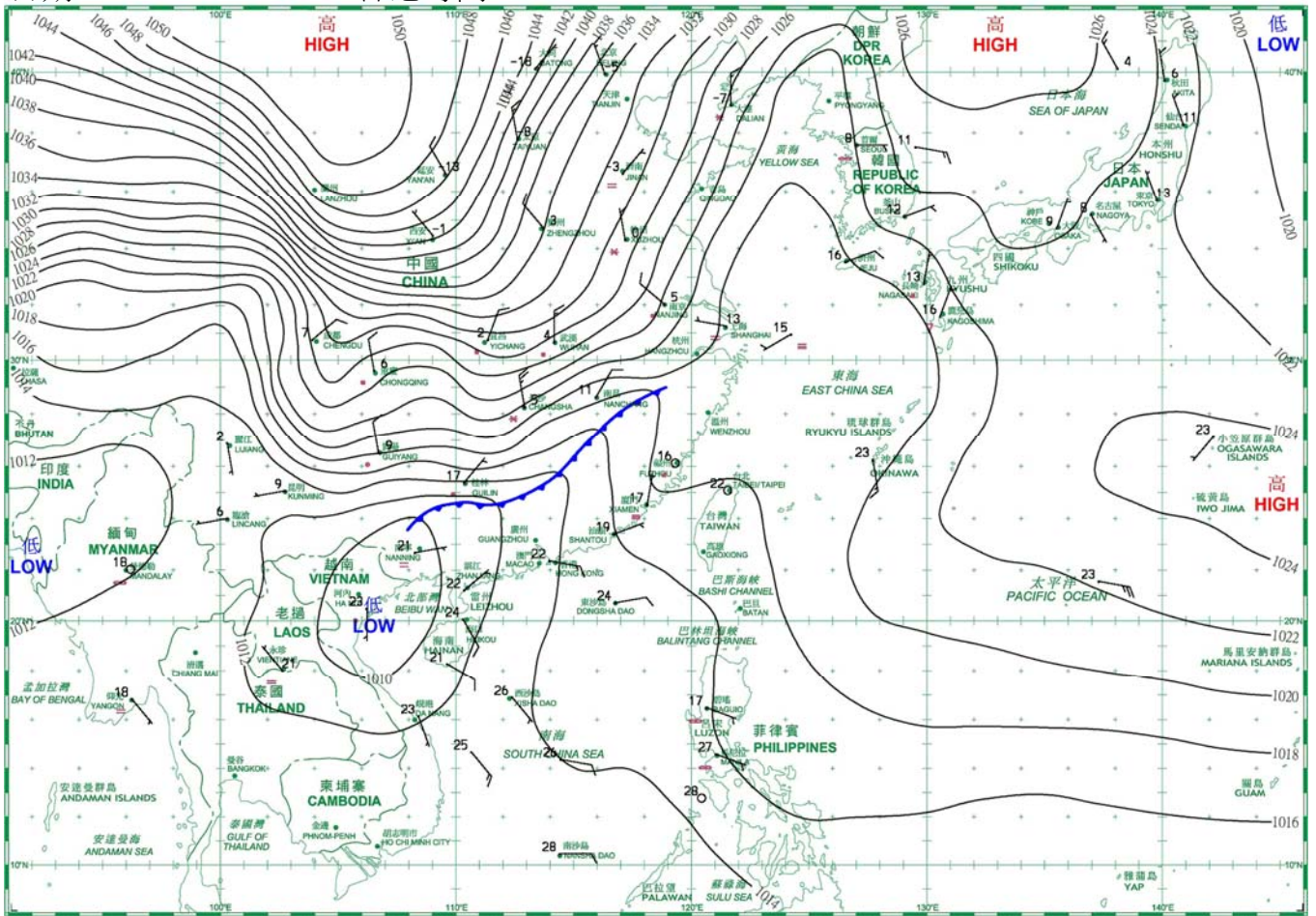
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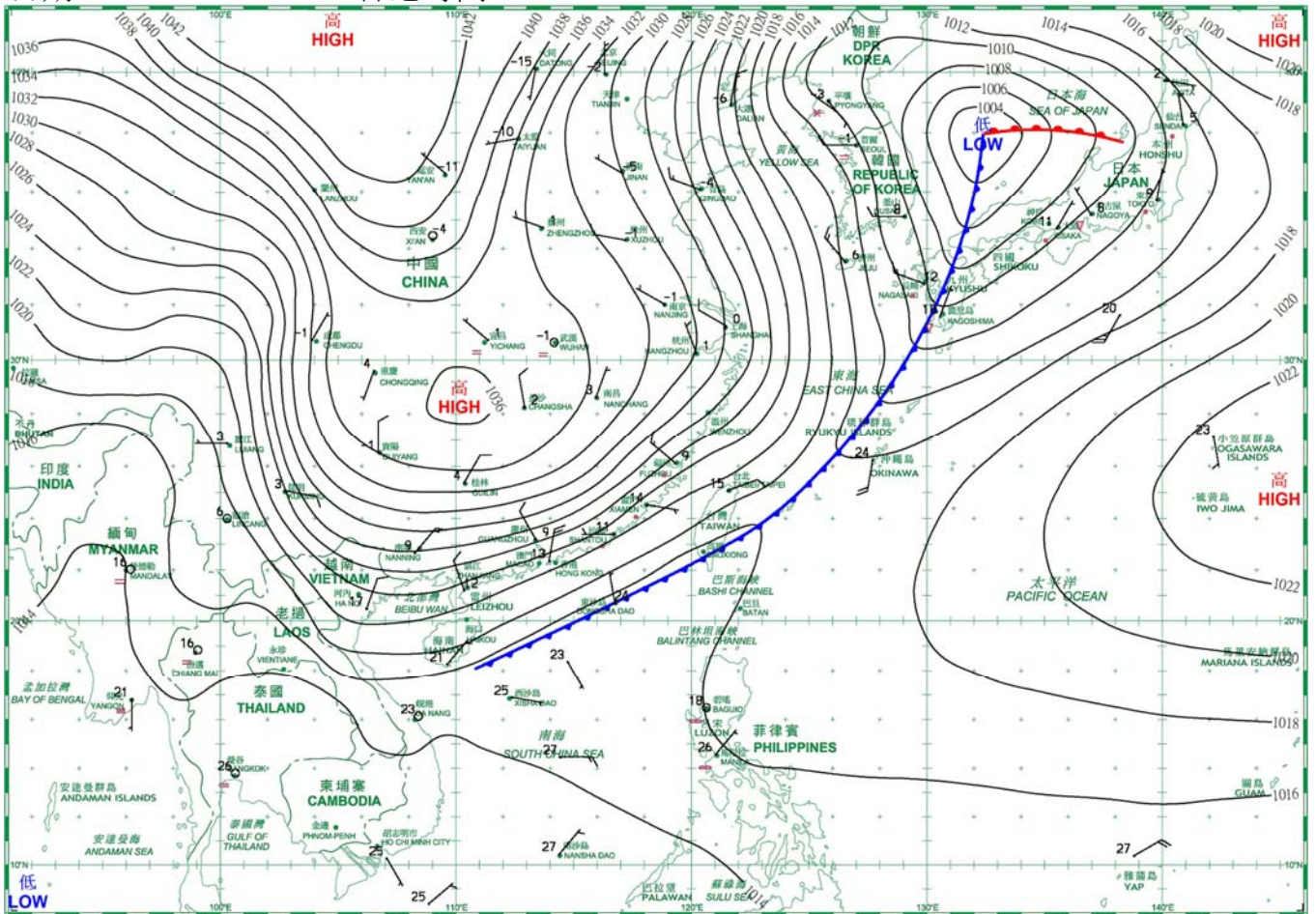
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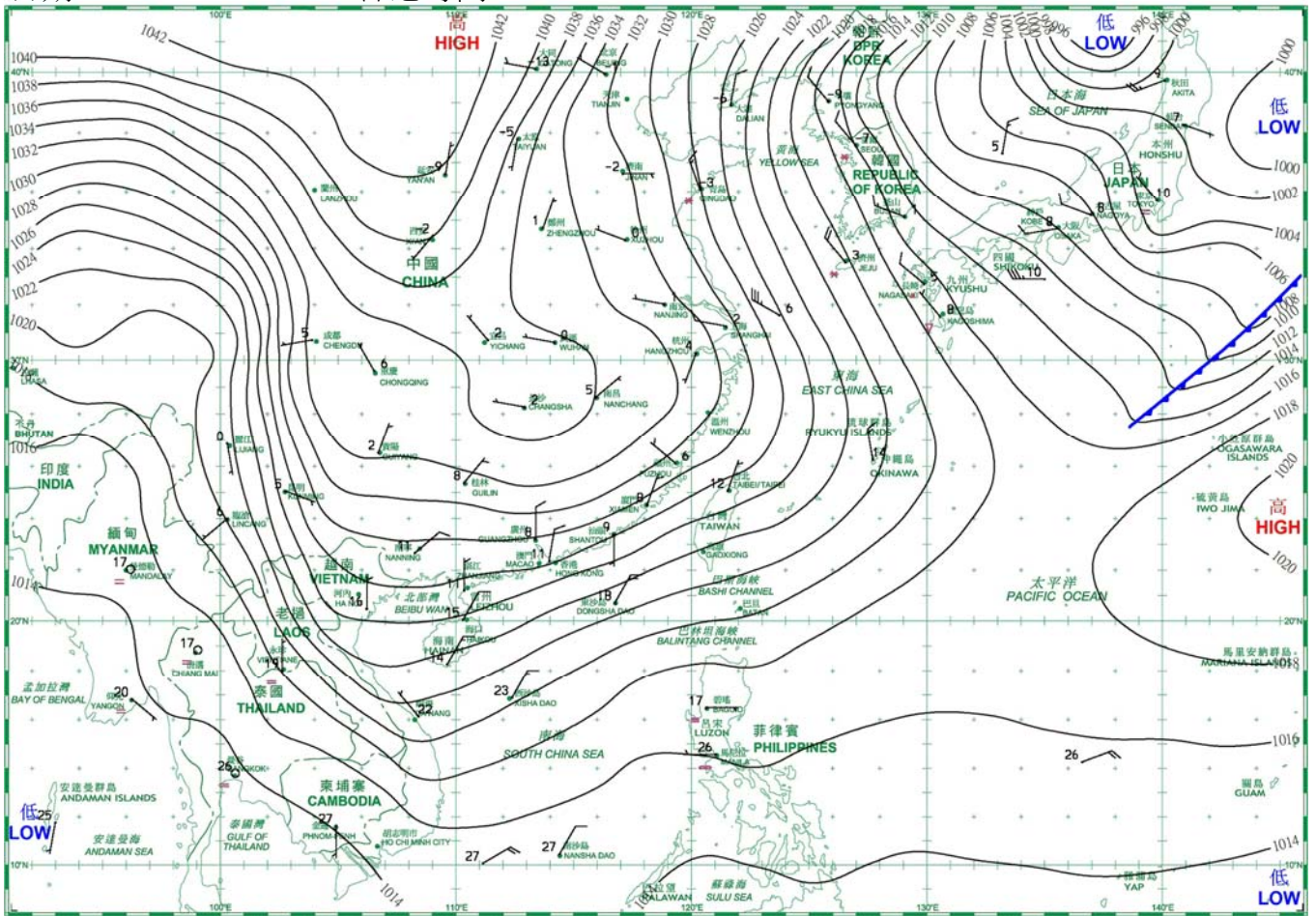
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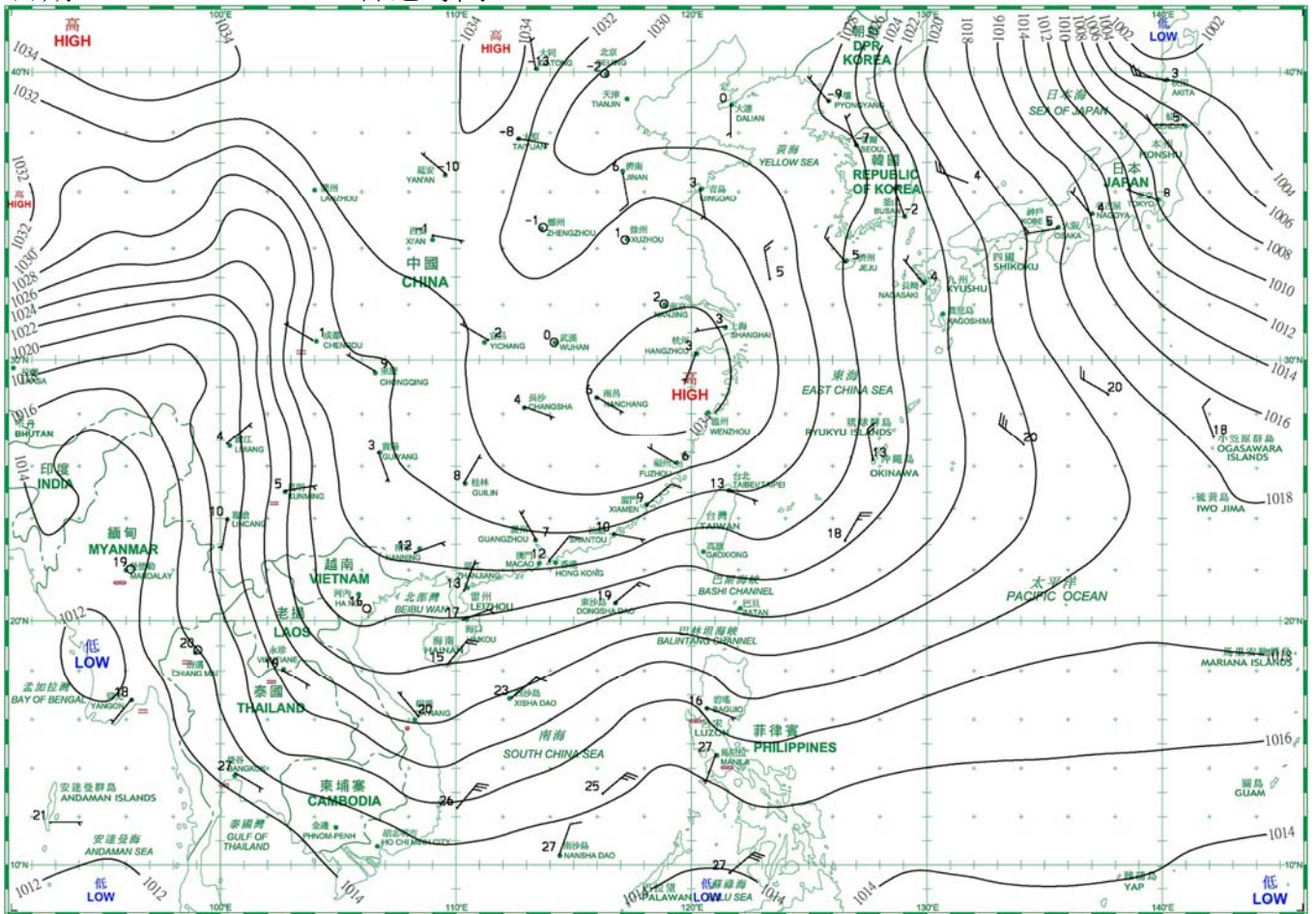
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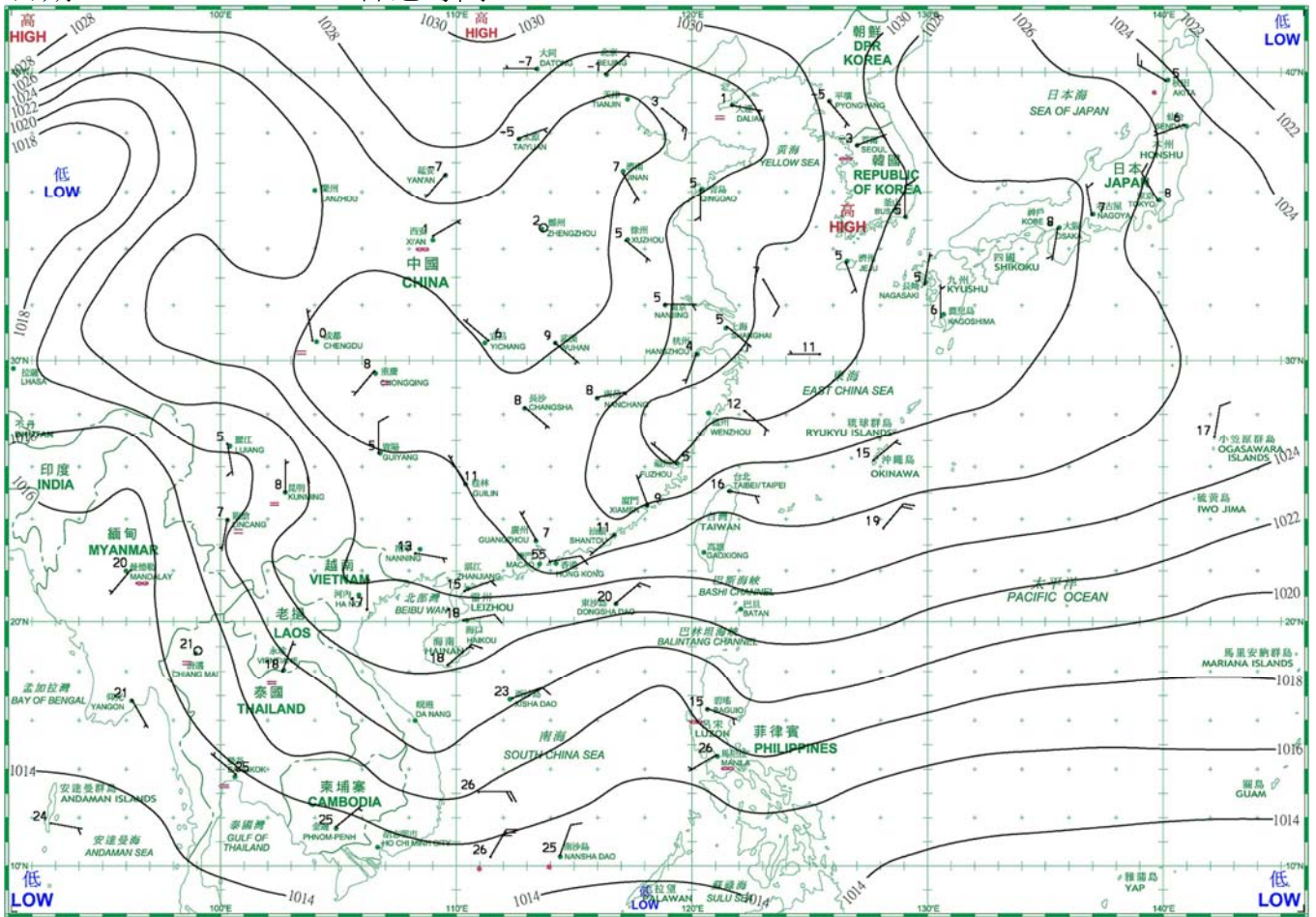
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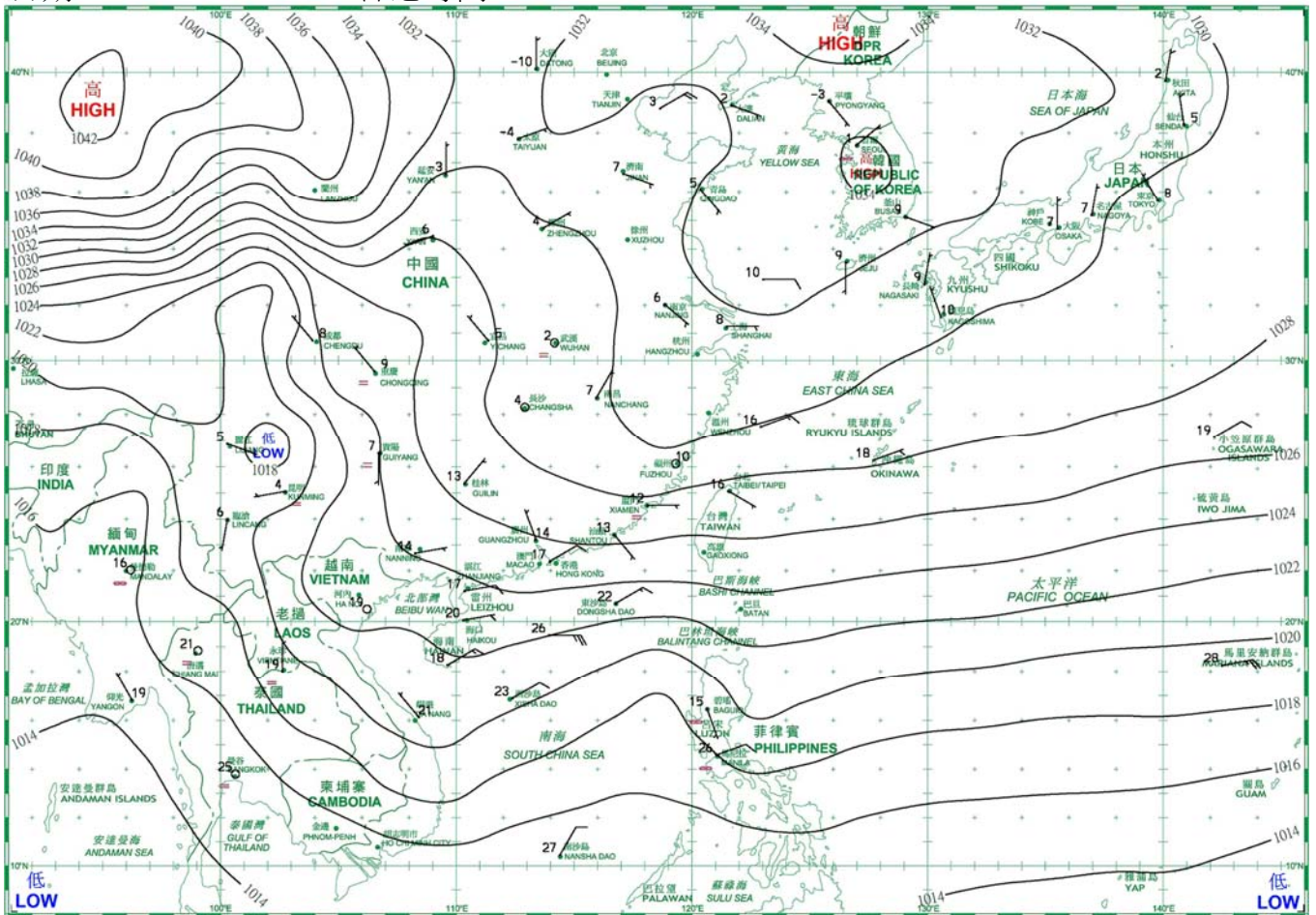
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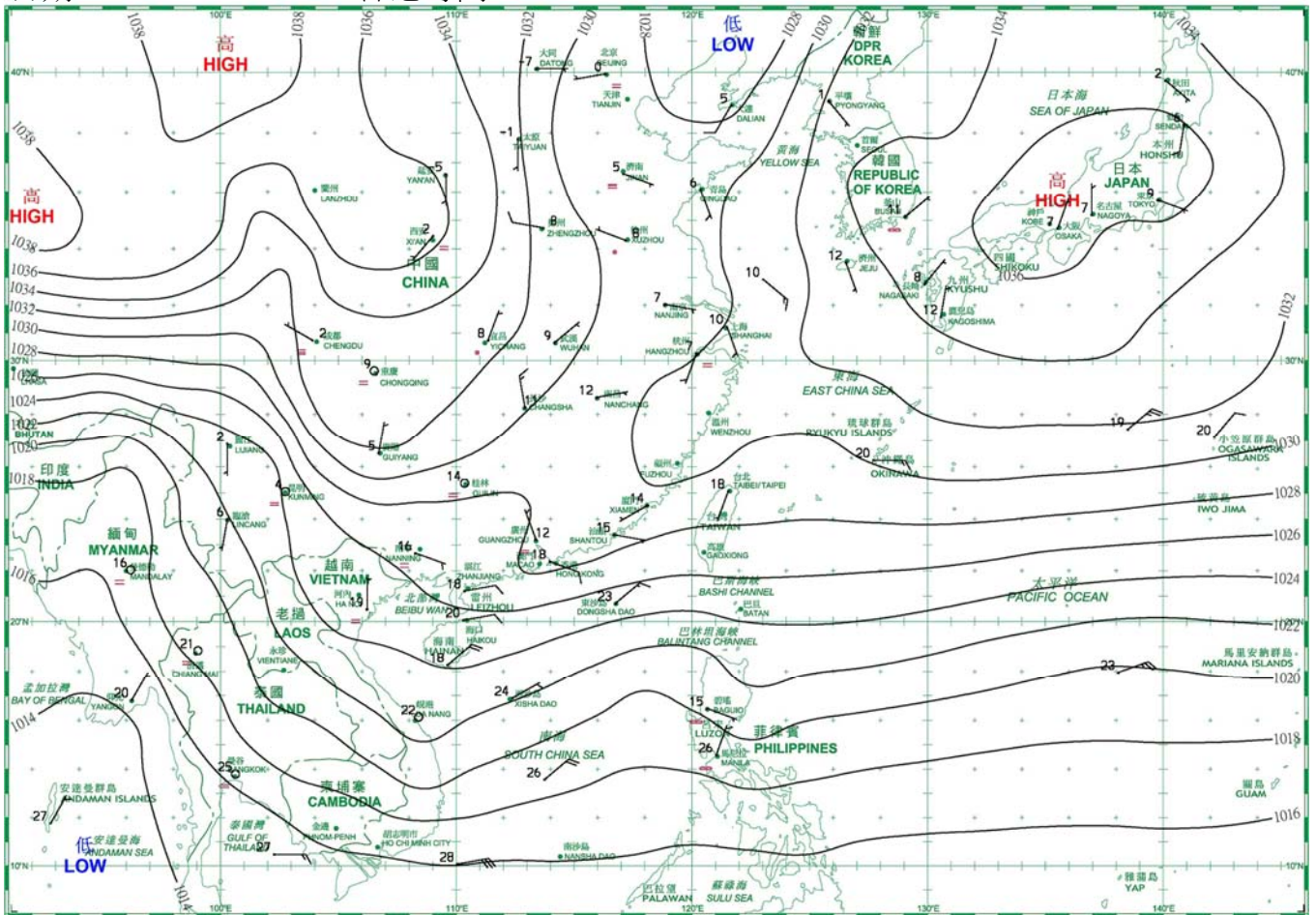
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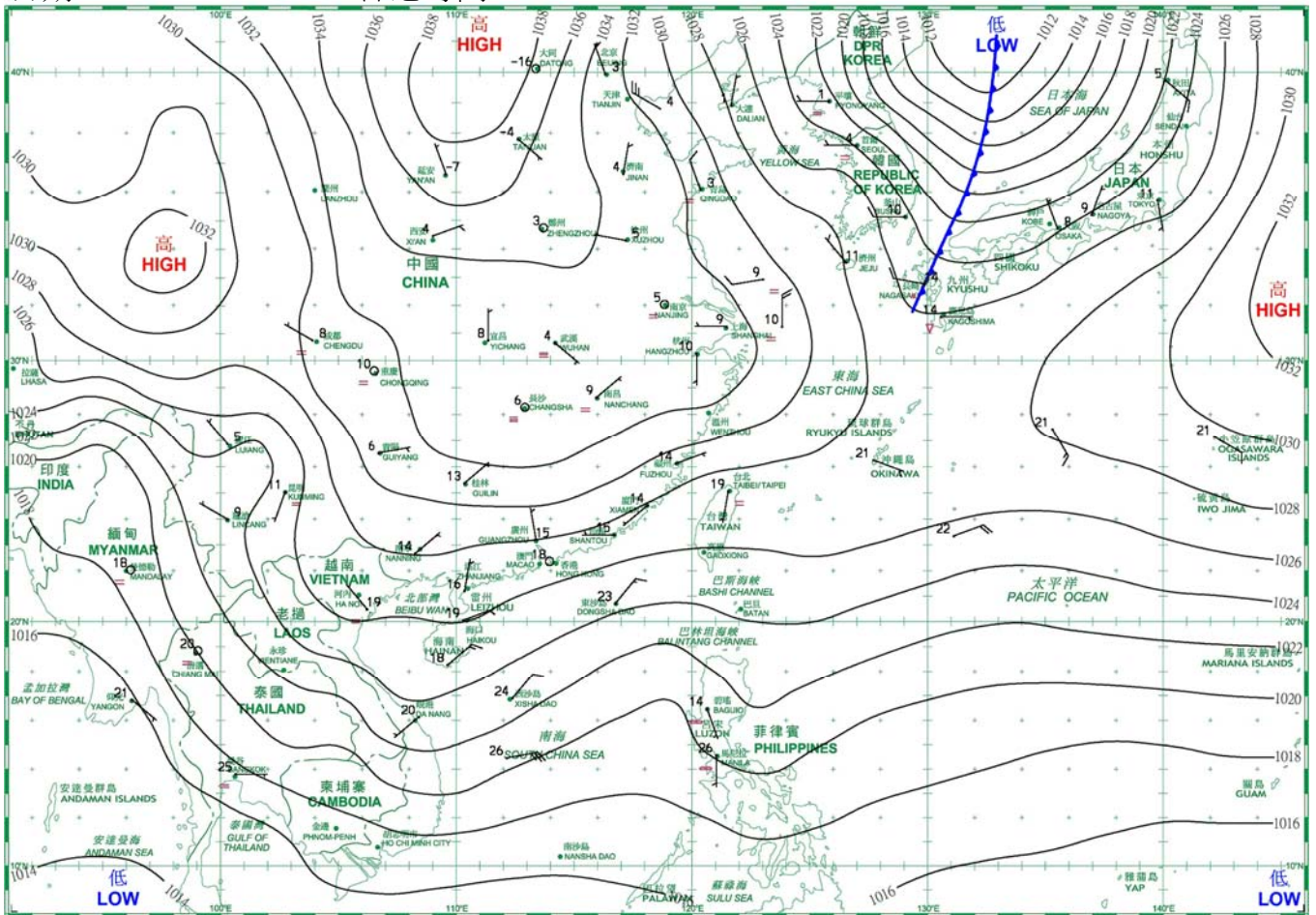
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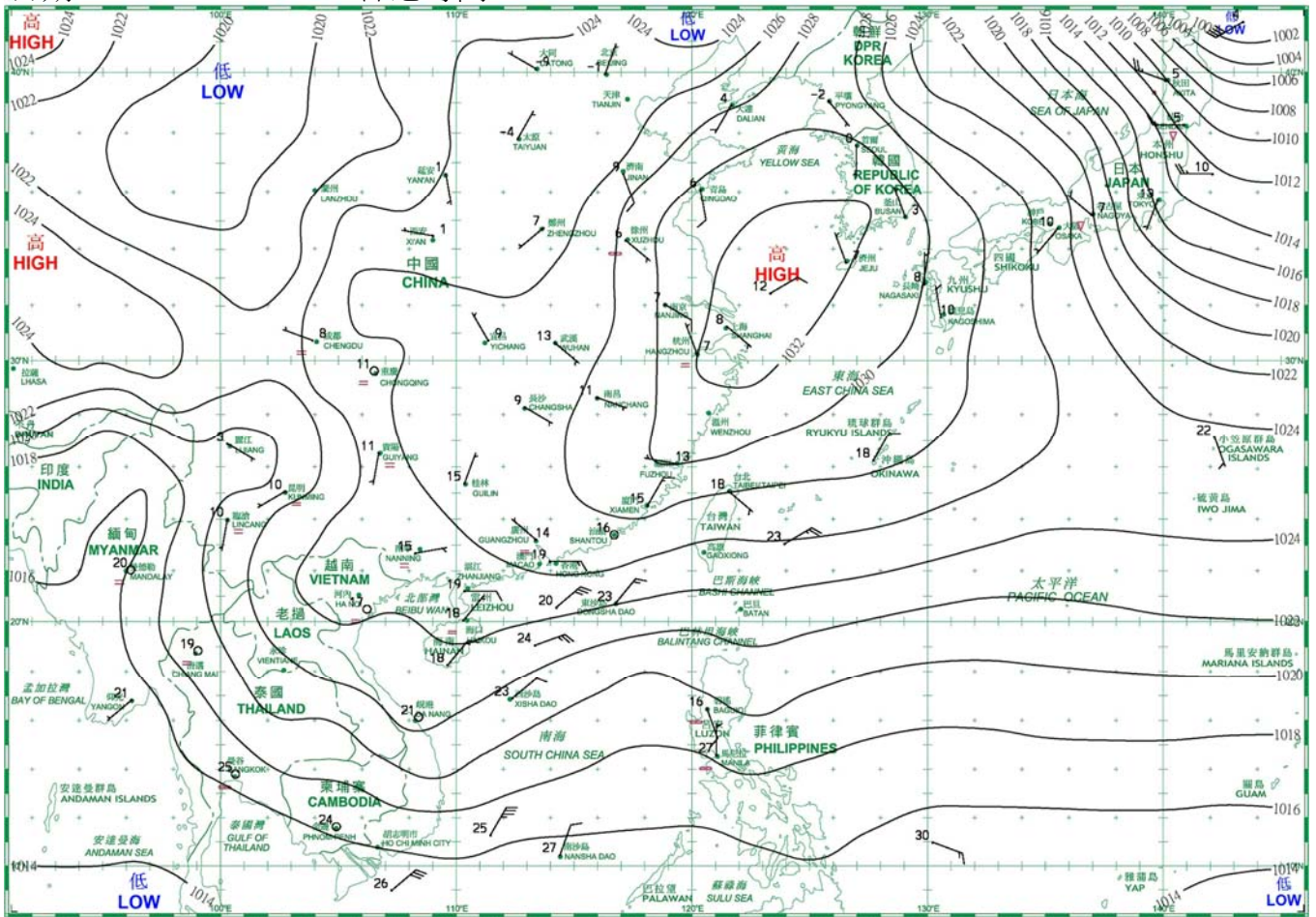
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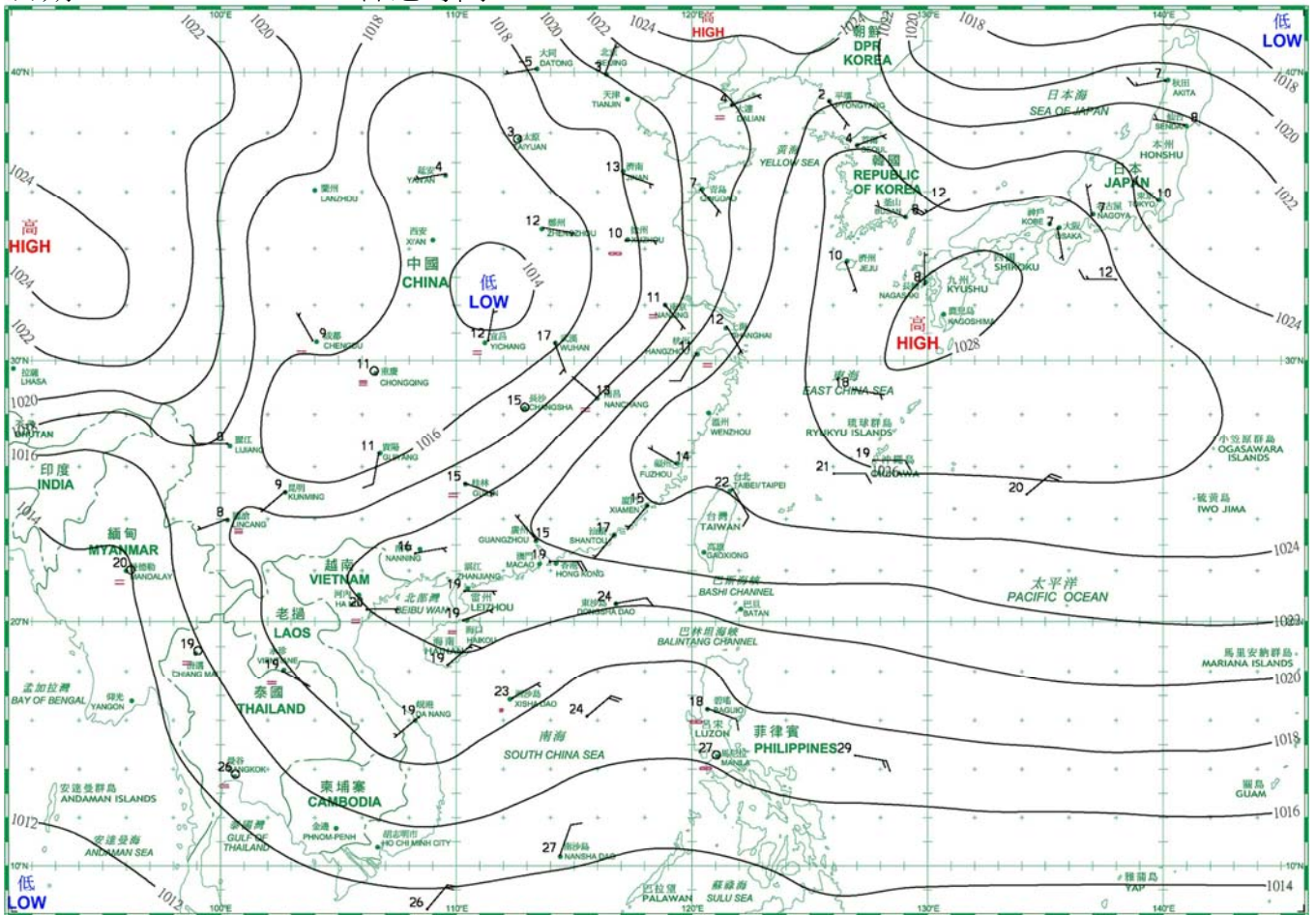
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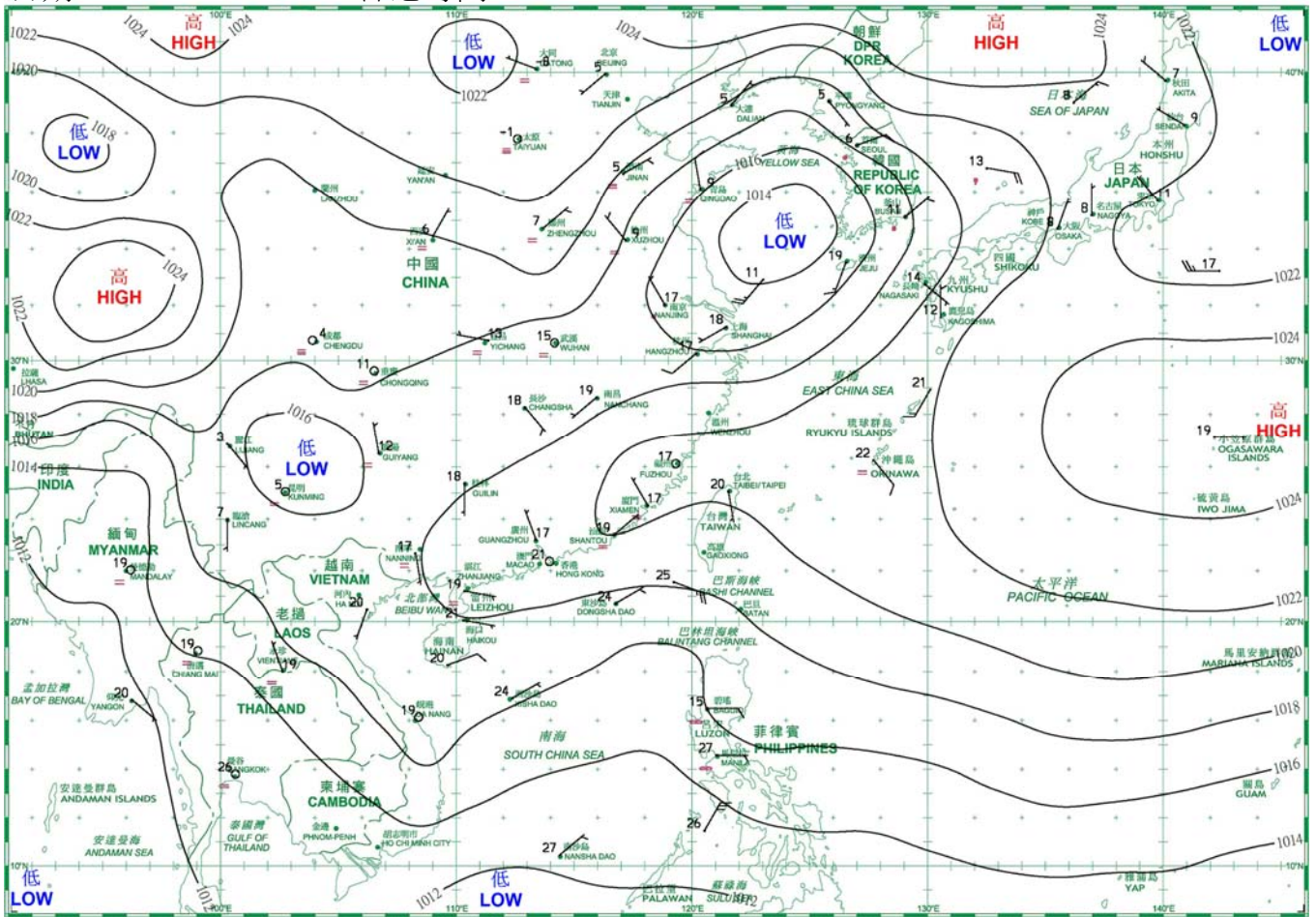
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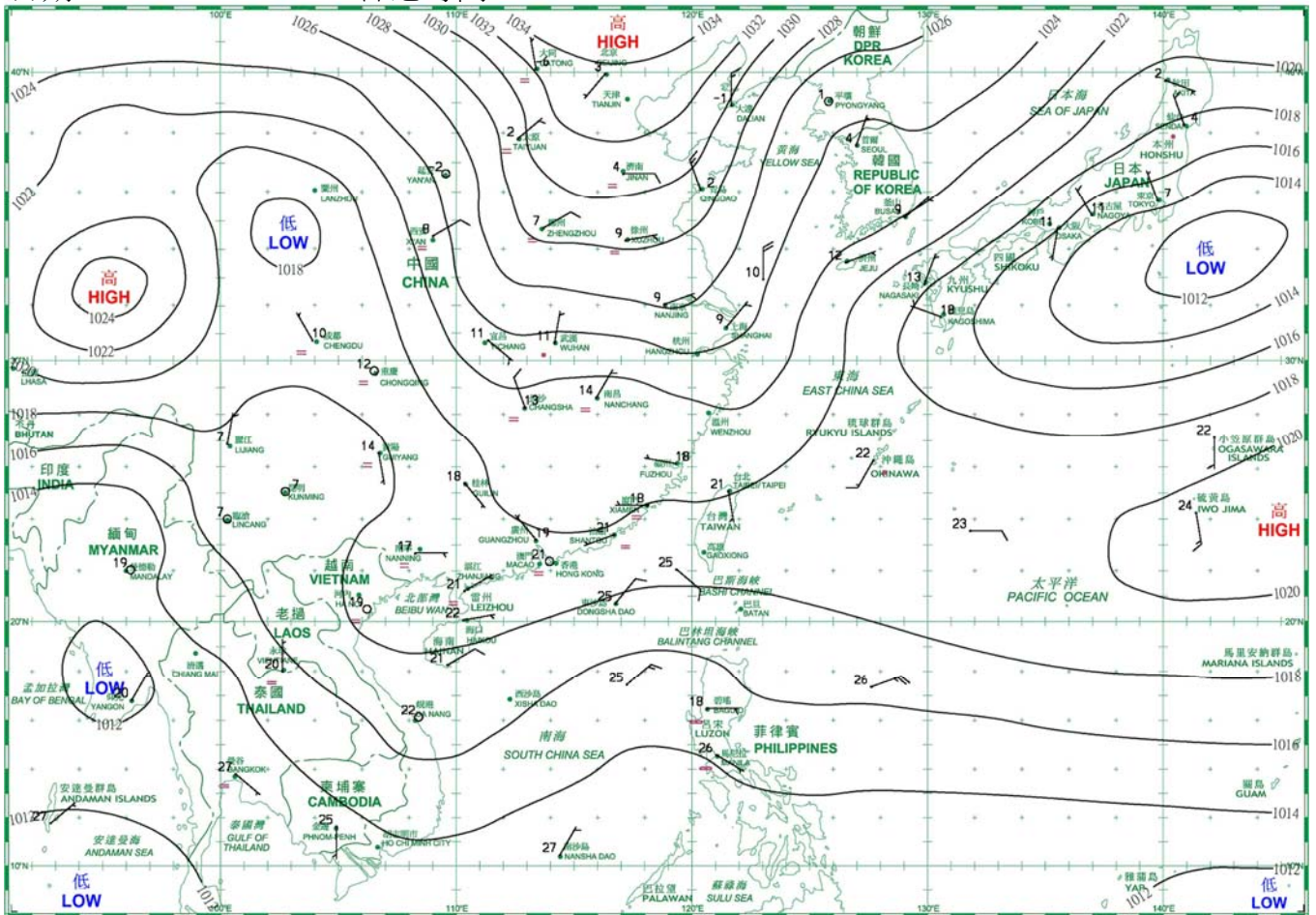
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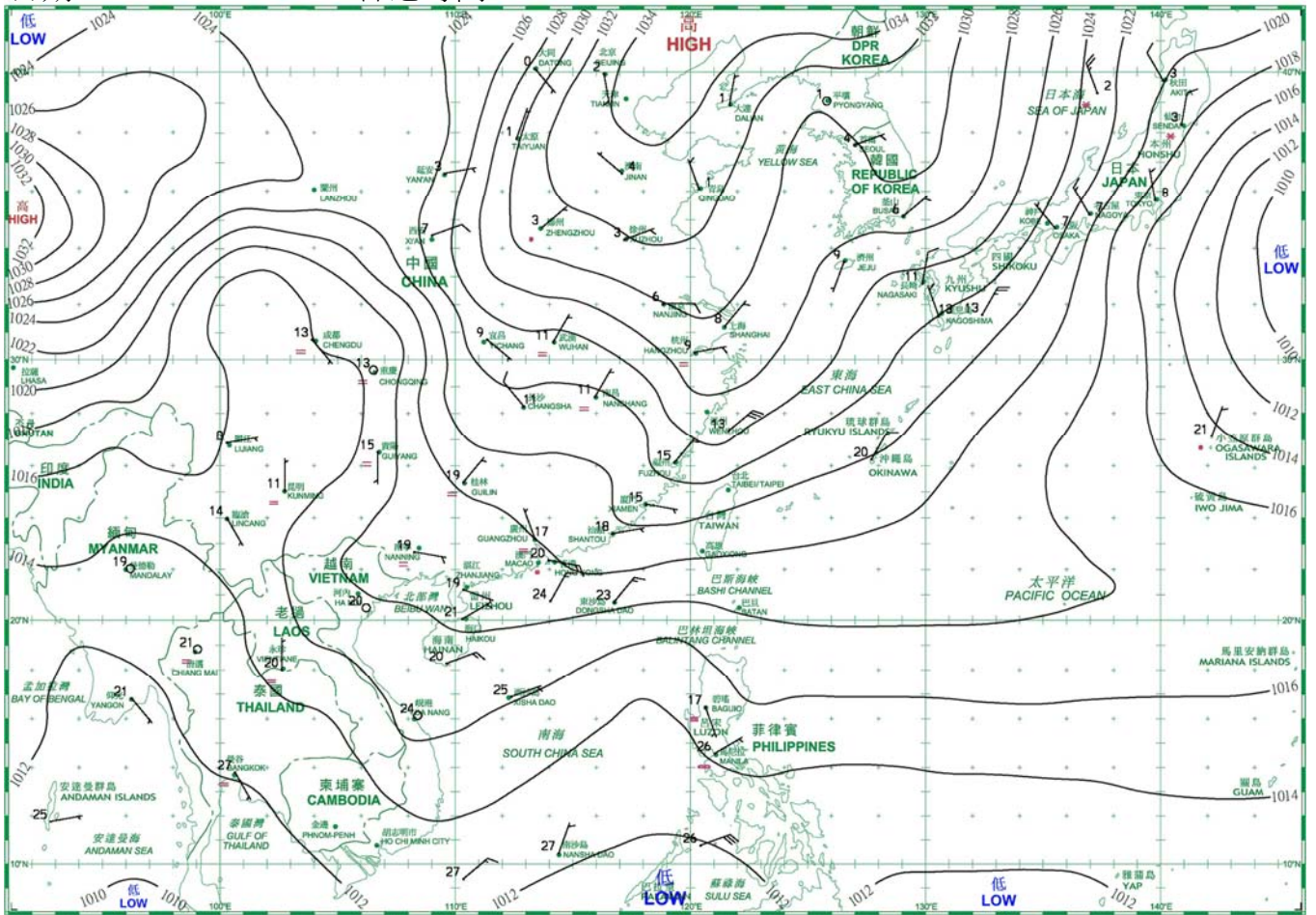
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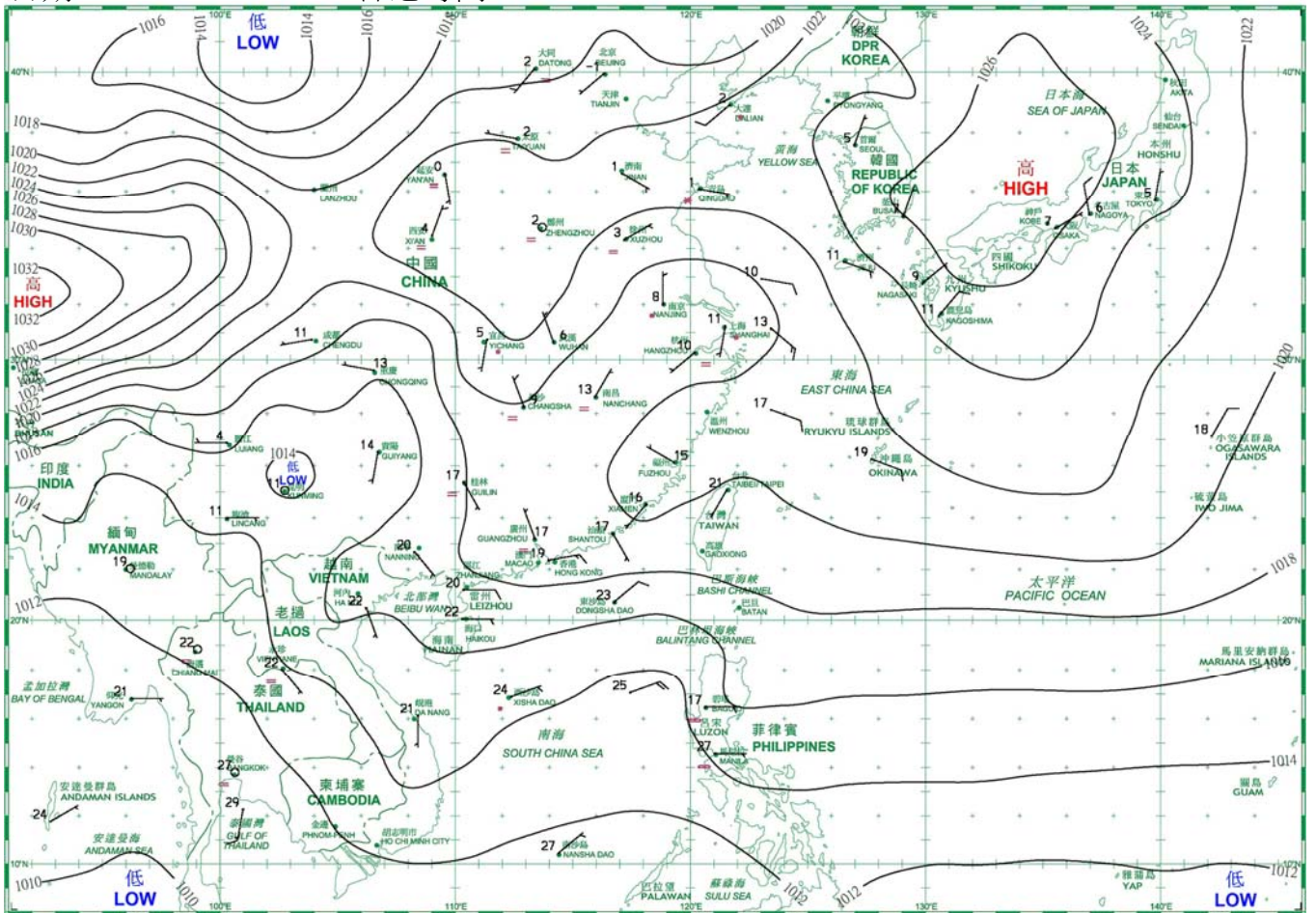
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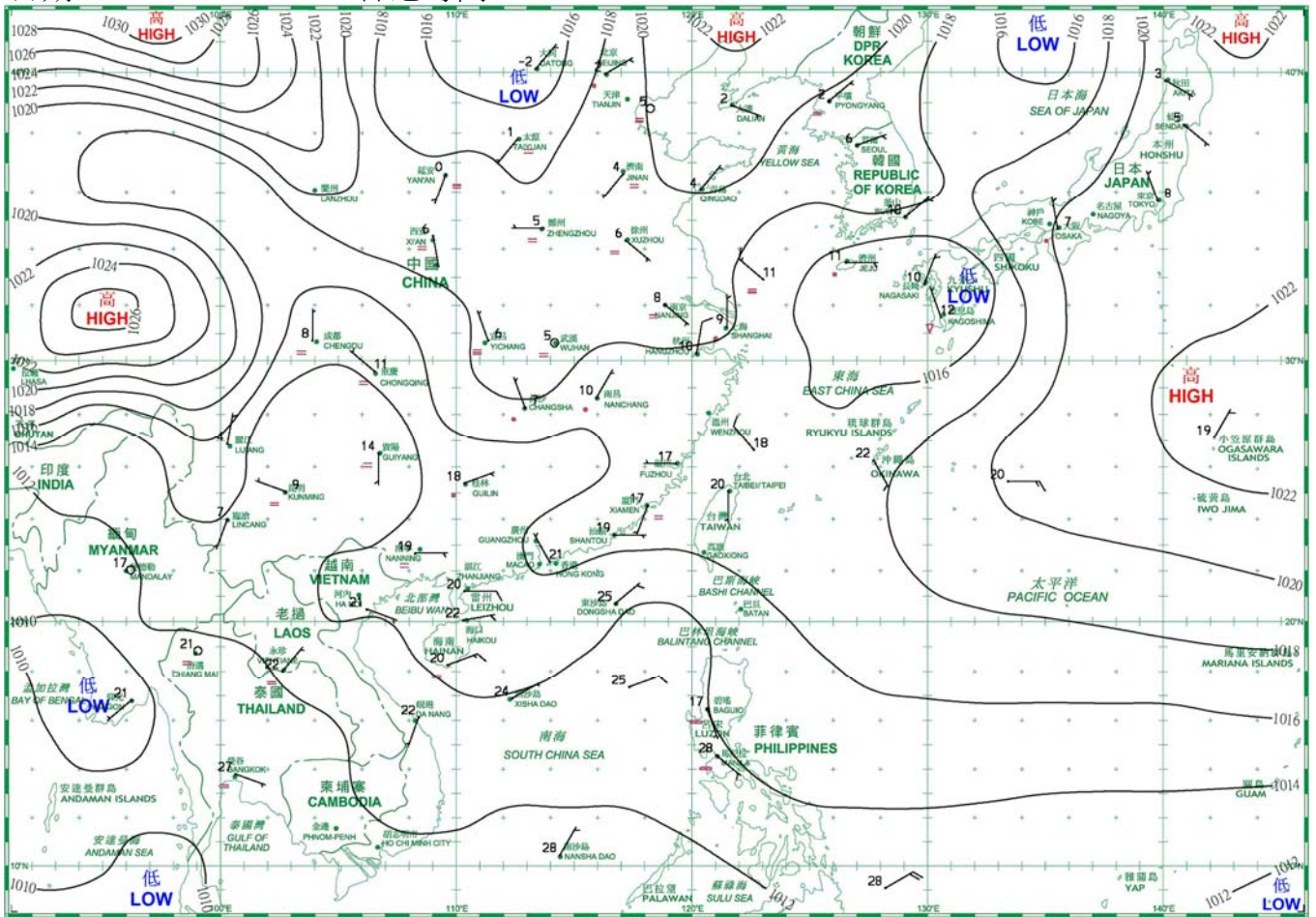
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日期/Date: 28.02.2020 香港時間/HK Time: 08:00



日期/Date: 29.02.2020 香港時間/HK Time: 08:00



3.1.1 二零二零年二月香港氣象觀測摘錄(一)

3.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), February 2020

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				
二月 February	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1022.4	18.8	16.0	14.1	11.0	72	29	-
2	1022.0	19.5	17.1	15.9	13.1	77	85	-
3	1020.3	20.4	18.1	16.6	14.1	78	68	Tr
4	1020.2	19.0	17.3	15.4	14.5	84	88	0.8
5	1020.6	18.3	17.5	16.6	14.7	83	88	1.0
6	1019.8	18.6	17.1	15.9	13.1	77	81	Tr
7	1021.1	20.6	18.7	17.3	15.4	82	85	-
8	1024.0	19.6	17.8	16.7	13.5	76	88	-
9	1025.7	18.5	16.5	15.0	12.4	77	88	Tr
10	1023.1	18.6	16.9	15.5	12.7	76	88	-
11	1020.5	19.1	17.6	16.8	15.2	86	88	0.8
12	1017.9	24.7	20.6	18.4	18.6	89	77	-
13	1015.4	20.5	19.6	18.9	18.7	94	80	41.6
14	1013.8	22.5	20.4	19.5	19.5	94	92	9.7
15	1013.6	22.3	21.0	19.4	20.0	95	92	Tr
16	1020.1	22.4	14.2	10.6	11.0	82	92	25.5
17	1026.2	18.0	13.6	10.3	4.0	53	26	-
18	1026.4	18.4	14.7	11.6	6.1	57	6	-
19	1024.6	19.4	16.3	14.0	10.4	69	37	-
20	1024.9	21.2	17.7	15.4	12.0	70	31	-
21	1026.7	22.6	18.9	16.5	14.0	73	7	-
22	1025.7	25.5	20.1	17.1	15.0	73	11	-
23	1024.6	23.9	19.4	17.5	14.0	71	67	-
24	1020.7	22.0	19.6	17.5	15.3	76	81	-
25	1017.9	25.0	21.8	19.7	19.0	84	56	Tr
26	1017.9	28.1	23.3	20.6	19.9	82	29	-
27	1019.6	22.6	20.5	19.1	17.6	84	78	0.4
28	1018.0	25.3	20.8	18.1	16.7	78	84	-
29	1014.7	26.6	22.5	20.2	18.8	80	54	-
平均/總值 Mean/Total	1021.0	21.4	18.5	16.6	14.5	78	65	79.8
正常* Normal*	1018.5	18.9	16.8	15.0	13.0	80	74	54.4
觀測站 Station	天文台 Hong Kong Observatory							

天文台於二月十五日 15 時 50 分錄得本月最低氣壓 1011.1 百帕斯卡。

The minimum pressure recorded at the Hong Kong Observatory was 1011.1 hectopascals at 1550 HKT on 15 February.

天文台於二月二十六日 13 時 42 分錄得本月最高氣溫 28.1 °C。

The maximum air temperature recorded at the Hong Kong Observatory was 28.1 °C at 1342 HKT on 26 February.

天文台於二月十七日 7 時 1 分錄得本月最低氣溫 10.3 °C。

The minimum air temperature recorded at the Hong Kong Observatory was 10.3 °C at 0701 HKT on 17 February.

京士柏於二月十三日 10 時 4 分錄得本月最高1分鐘平均降雨率 90 毫米/小時。

The maximum 1-minute mean rainfall rate recorded at King's Park was 90 millimetres per hour at 1004 HKT on 13 February.

* 1981-2010 氣候平均值 (除特別列明外) (<http://www.hko.gov.hk/wxinfo/climat/normal/cnormal02.htm>)

* 1981-2010 Climatological normal, unless otherwise specified (<http://www.hko.gov.hk/wxinfo/climat/normal/enormal02.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 二零二零年二月香港氣象觀測摘錄(二)

3.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), February 2020

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
二月 February	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	9.1	16.52	2.3	070	33.9
2	0	1.6	10.54	1.8	060	37.0
3	0	1.9	10.60	1.8	060	30.9
4	0	0.6	6.44	0.9	050	31.0
5	0	0.2	5.94	2.3	070	39.0
6	0	1.5	9.33	1.6	060	39.1
7	0	0.5	8.60	1.9	060	21.6
8	0	0.1	6.97	2.2	010	18.6
9	0	0.1	6.76	1.8	010	21.2
10	0	0.3	6.30	0.5	050	21.0
11	4	-	4.83	0.1	050	24.1
12	4	4.9	12.92	2.3	040	11.3
13	1	0.3	2.72	0.2	030	15.2
14	0	1.7	9.42	1.0	050	18.6
15	2	0.8	5.86	1.8	060	14.3
16	0	0.9	7.60	2.2	350	38.0
17	0	10.3	19.10	3.5	360	34.2
18	0	10.5	20.56	3.0	060	27.9
19	0	7.6	16.71	3.2	060	29.4
20	0	6.7	16.06	2.8	060	30.1
21	0	10.6	20.40	2.5	070	32.6
22	2	10.5	20.16	4.1	060	16.7
23	0	6.7	18.11	4.0	060	35.7
24	0	1.5	12.88	1.8	050	28.1
25	0	3.6	11.88	1.3	040	15.5
26	0	10.4	21.06	3.2	020	9.4
27	0	4.1	9.22	2.8	070	34.1
28	0	5.5	16.33	2.3	060	23.5
29	0	5.7	14.58	2.1	030	8.5
平均/總值 Mean/Total	13	118.2	12.01	61.3	060	25.5
正常* Normal*	123.0 §	94.2	9.39	59.9	070	24.5
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 [^]

橫瀾島於二月六日 1 時 15 分錄得本月最高陣風 70 公里/小時，風向 070 度。

The maximum gust peak speed recorded at Waglan Island was 70 kilometres per hour from 070 degrees at 0115 HKT on 6 February.

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.

* 1981-2010 氣候平均值 (除特別列明外) (<http://www.hko.gov.hk/wxinfo/climat/normal/cnormal02.htm>)

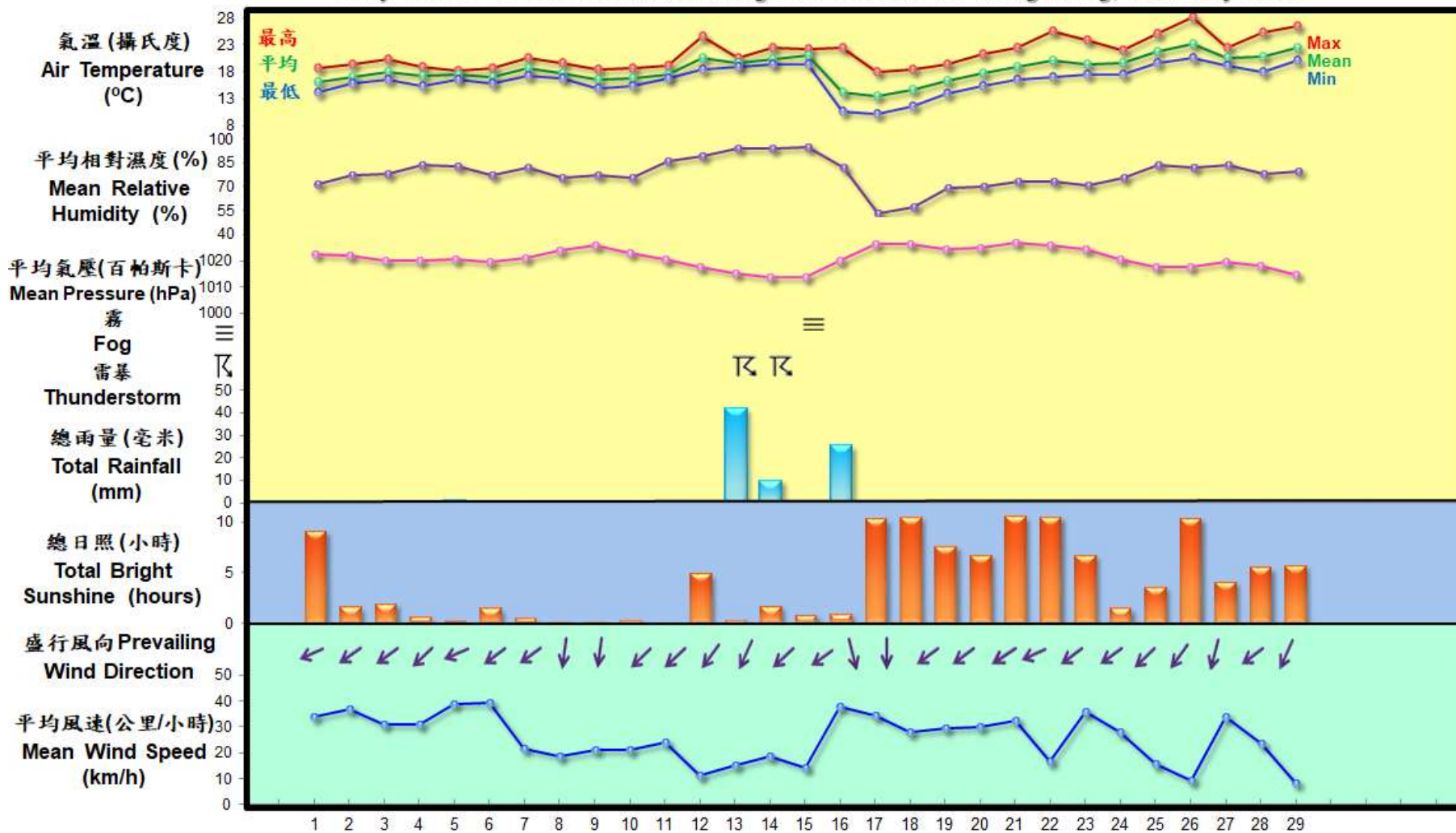
* 1981-2010 Climatological normal, unless otherwise specified (<http://www.hko.gov.hk/wxinfo/climat/normal/enormal02.htm>)

§ 1997-2019 平均值

§ 1997-2019 Mean value

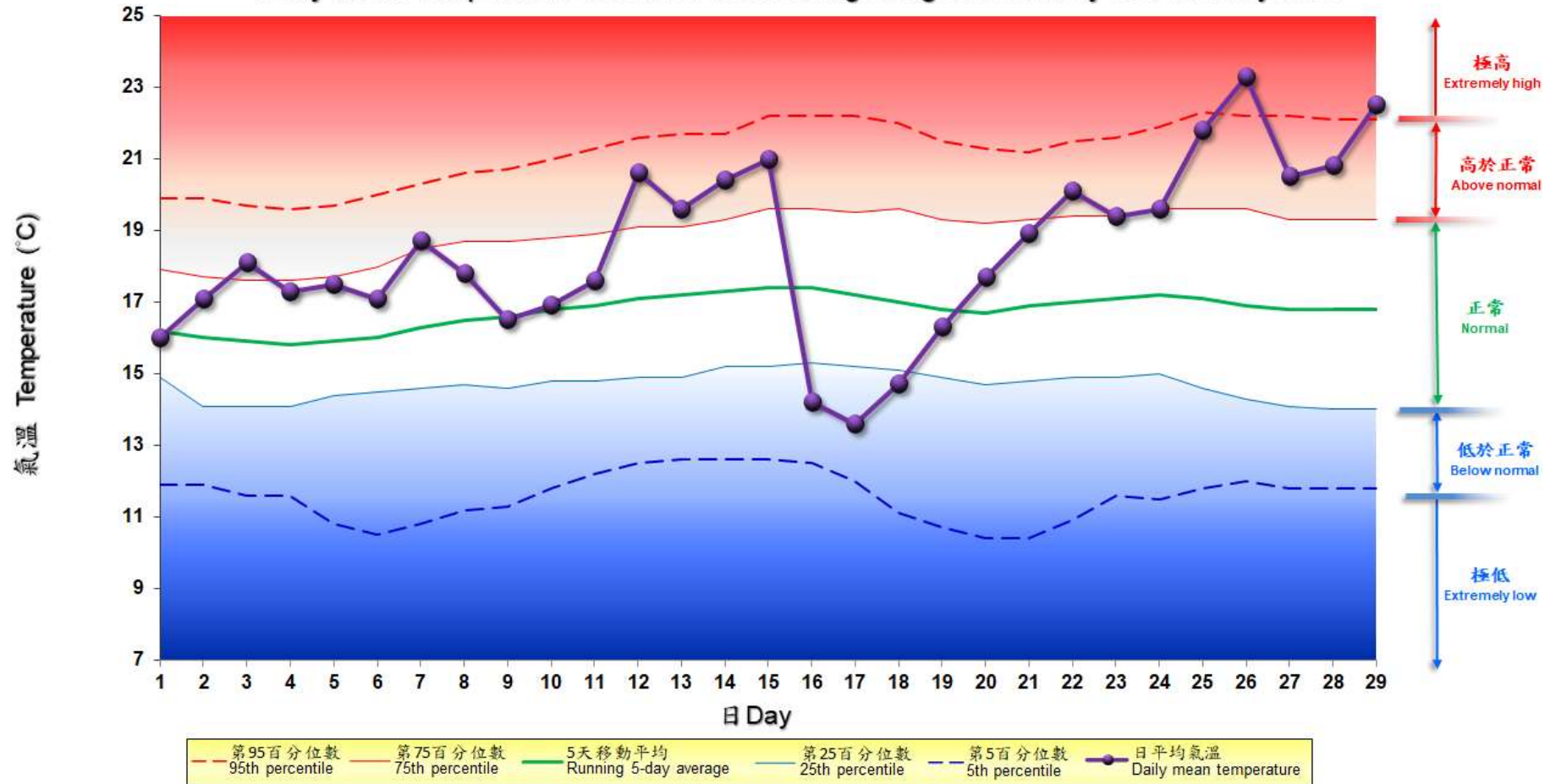
3.2 2020年2月部分香港氣象要素的每日記錄

3.2 Daily Values of Selected Meteorological Elements for Hong Kong, February 2020



3.3 2020年2月香港天文台錄得的日平均氣溫

3.3 Daily Mean Temperature recorded at the Hong Kong Observatory for February 2020



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