

每月天氣摘要 二零二零年三月

Monthly Weather Summary March 2020



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二零二零年四月出版

香港天文台編製
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1. 二零二零年三月天氣回顧

由於華南的東北季候風在本月大部份時間較正常弱，二零二零年三月本港持續遠較正常溫暖。本月平均氣溫 21.3 度及平均最低氣溫 19.7 度分別較其各自正常值高 2.2 度及 2.5 度，皆是有記錄以來三月的其中一個第二高。本月平均最高氣溫 23.8 度較正常值高 2.4 度，是有記錄以來三月的第五高。本月亦較正常少雨，只錄得雨量 41.3 毫米，約為正常值 82.2 毫米的一半。本年首三個月的累積雨量為 135.9 毫米，較同期正常值 161.3 毫米少約百分之 16。

受一股海洋氣流影響，三月一日本港陽光充沛及溫暖，但能見度較低。隨著一股清勁至強風程度的偏東氣流抵達廣東沿岸，其後兩天本港天氣稍涼，雲量較多及有幾陣雨。位於華南的一道冷鋒在三月四日下午橫過廣東沿岸地區，為本港帶來較多雨。隨著東北季候風增強，本港天氣轉涼，三月五日天文台氣溫下降至本月最低的 16.5 度，這亦是有記錄以來最高的三月份絕對最低氣溫。

受廣東沿岸的一股溫暖及潮濕海洋氣流影響，三月七日至九日本港天氣溫暖及有霧。三月八日及九日橫瀾島的能見度曾下降至約 100 米。一道冷鋒於三月十日凌晨橫過華南沿岸，受乾燥的偏北風影響，本港日間轉為乾燥，部分時間有陽光。受一道雲帶覆蓋，三月十一日及十二日本港轉為多雲，天氣稍涼及有幾陣雨。

一股溫暖潮濕的海洋氣流於三月十三日為本港帶來有霧的天氣，橫瀾島的能見度曾下降至 100 米以下。三月十四日早上一道低壓槽橫過華南沿岸地區，並為本港帶來幾陣驟雨。受較為乾燥的東北季候風影響，本港當日日間轉為乾燥及部分時間有陽光，並在隨後兩天維持。隨著東北季候風緩和，三月十七日本港轉為大致多雲。

另一道徘徊廣東的低壓槽於三月十八日為本港帶來驟雨及雷暴，本港大部分地區錄得 10 至 20 毫米雨量。隨著海洋氣流逐漸影響，其後數天本港天氣潮濕及有薄霧。三月二十二及二十三日本港陽光充沛，這兩日天文台的最高氣溫均上升至本月最高的 28.5 度。

三月二十四及二十五日本港天氣相當溫暖，部分時間有陽光及有幾陣驟雨。高空擾動在三月二十六日早上為本港帶來幾陣雷雨。當雨勢減弱，當日下午及翌日短暫時間有陽光。一道冷鋒於三月二十八日早上橫過華南沿岸地區，並為本港帶來雷雨。受東北季候風影響，其後兩天本港天氣稍涼，風勢頗大及有幾陣雨。本月最後一天本港潮濕有幾陣雨及沿岸有霧，下午橫瀾島的能見度維持在 100 米左右。

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 March 2020

With the northeast monsoon over southern China generally weaker than normal for most of the time in the month, March 2020 continued to be much warmer than usual in Hong Kong. The monthly mean temperature of 21.3 degrees and mean minimum temperature of 19.7 degrees were respectively 2.2 degrees and 2.5 degrees above their corresponding normal figures and both were one of the second highest on record for March. The monthly mean maximum temperature was 23.8 degrees, 2.4 degrees above the normal figure and the fifth highest on record for March. The month was also drier than usual with a total rainfall of 41.3 millimetres, about half of the normal figure of 82.2 millimetres. The accumulated rainfall recorded in the first three months of the year was 135.9 millimetres, about 16 percent below the normal figure of 161.3 millimetres for the same period.

Under the influence of a maritime airstream, the weather of Hong Kong was sunny and warm with relatively low visibility on 1 March. With the setting in of a fresh to strong easterly airstream over the coast of Guangdong, the weather turned cloudier with some rain patches and slightly cooler in the next two days. A cold front over southern China moved across the coastal areas of Guangdong on the afternoon of 4 March, bringing more rain to Hong Kong. With the strengthening of the northeast monsoon, the weather became cooler and the temperature at the Observatory fell to a minimum of 16.5 degrees on 5 March, the lowest of the month. This is also the highest monthly absolute minimum temperature on record for March.

Affected by a warm and humid maritime airstream over the coast of Guangdong, the weather in Hong Kong became warm and foggy on 7 – 9 March. Visibility at Waglan Island once fell to around 100 metres on 8 and 9 March. A cold front moved across the south China coast in the small hours on 10 March. Under the influence of the dry northerly winds, local weather became dry with sunny periods during the day. With the setting in of cloud band, the weather turned cloudy and cooler with a few rain patches on 11 – 12 March.

A warm and humid maritime airstream brought foggy weather to Hong Kong on 13 March and the visibility at Waglan Island once fell below 100 metres. A trough of low pressure moved across the south China coastal areas and brought some showers on the morning of 14 March. Under the influence of a relatively dry northeast monsoon, local weather became dry with sunny periods during the day and remained so in the next two days. With the moderation of the northeast monsoon, the weather of Hong Kong turned mainly cloudy on 17 March.

Another trough of low pressure lingering over Guangdong brought showers and thunderstorms to Hong Kong on 18 March with 10 to 20 millimetres of rainfall recorded over most parts of the territory. With the gradual return of a maritime airstream, the weather was

humid and misty in the next few days. With plenty of sunshine on 22 and 23 March, the maximum temperature at the Observatory soared to 28.5 degrees on both days, the highest of the month.

The weather was rather warm with sunny periods and a few showers on 24 – 25 March. An upper air disturbance brought a few thundery showers on the morning of 26 March. As the showers subsided, there were sunny intervals in the afternoon and the next day. A cold front moved across the south China coastal areas on the morning of 28 March and brought thundery showers to the local region. Affected by the northeast monsoon, local weather was windy and slightly cooler with a few rain patches in the next two days. It was humid with some rain patches and coastal fog and on the last day of the month. Visibility at Waglan Island stayed around 100 metres in the afternoon.

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 二零二零年三月發出的警告及信號
Table 1.1 Warnings and Signals issued in March 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
11/3	2205	12/3	0845
28/3	2325	30/3	0315

火災危險警告
 Fire Danger Warnings

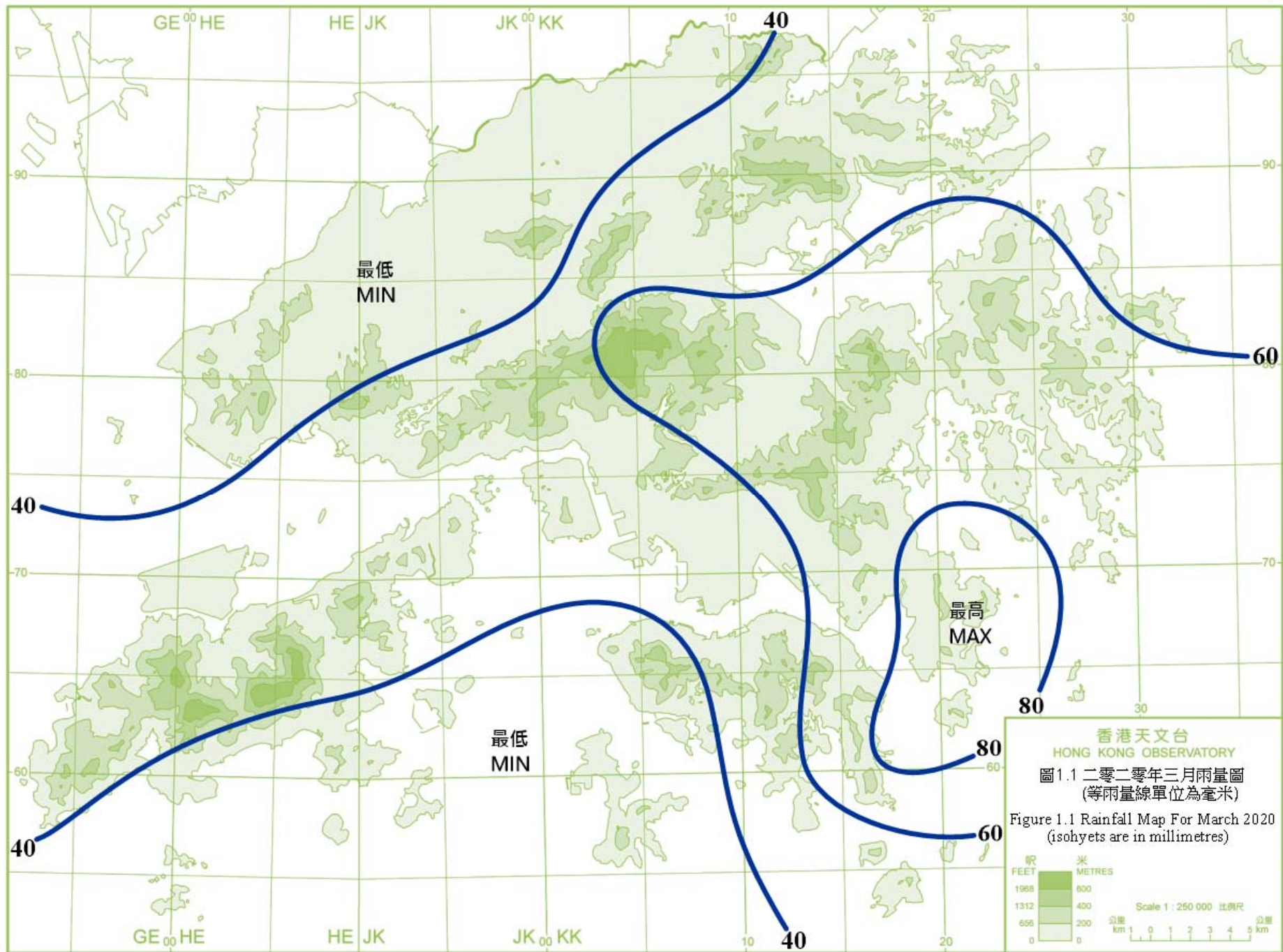
顏色 Colour	開始時間 Beginning Time		終結時間 Ending Time	
	日/月 day/month	時 hour	日/月 day/month	時 hour
黃色 Yellow	1/3	0600	1/3	1800
黃色 Yellow	15/3	0600	15/3	1830

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
18/3	1005	18/3	1600
26/3	0550	26/3	0730
27/3	2215	28/3	0145

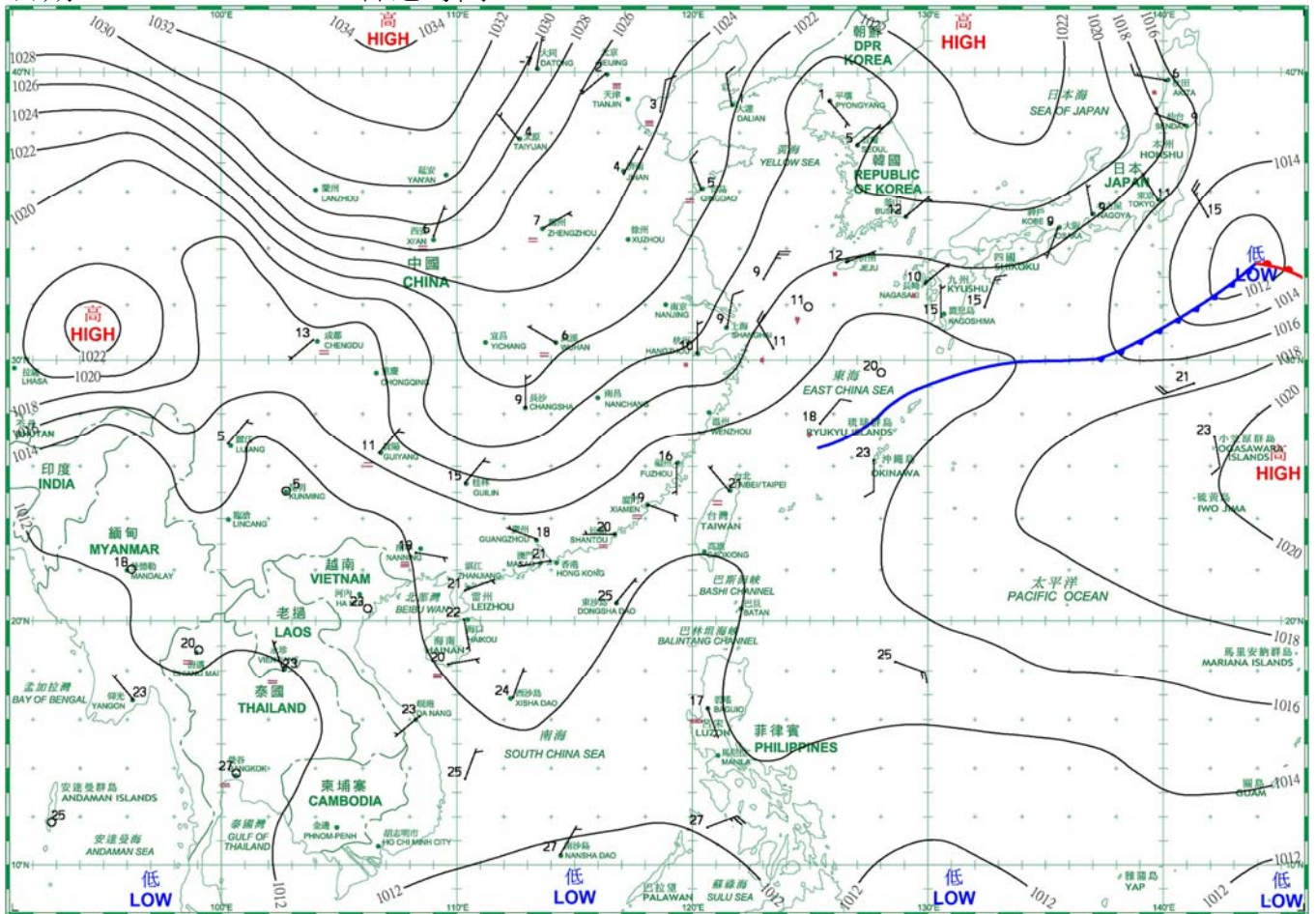
暴雨警告信號
 Rainstorm Warnings

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	18/3	1045	18/3	1145

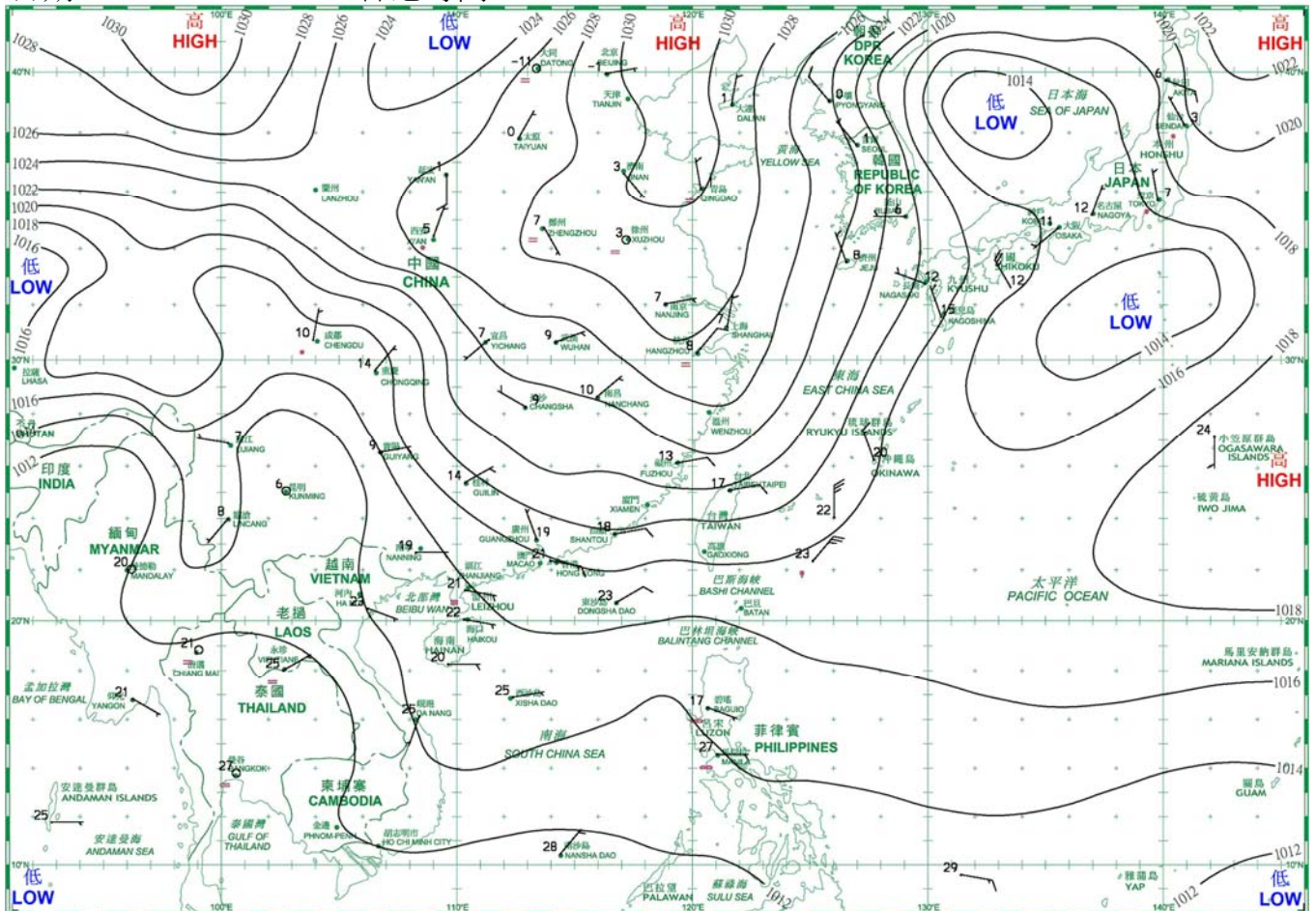


2. 二零二零年三月每日天氣圖 Daily Weather Maps for March 2020

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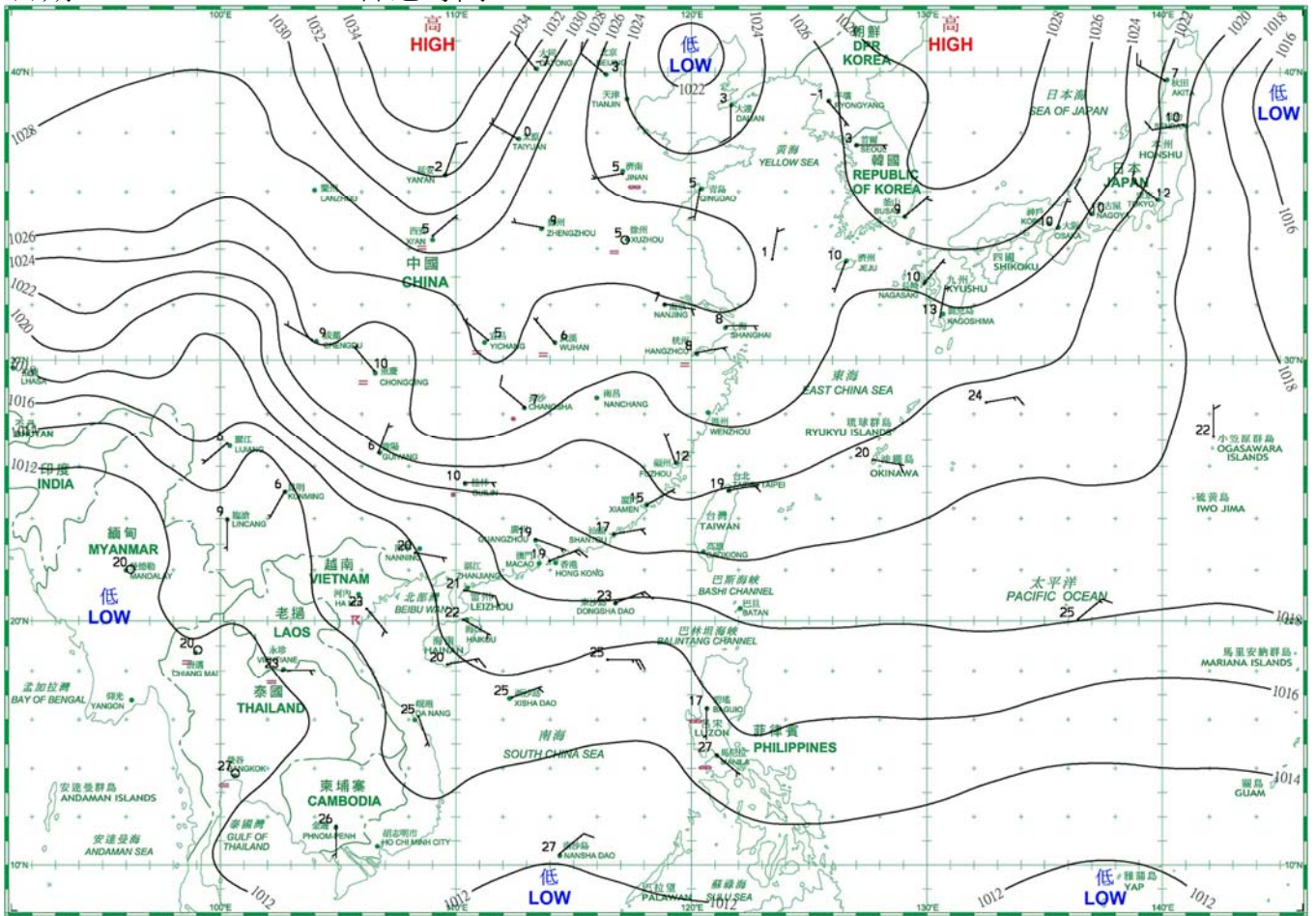


日期/Date: 02.03.2020 香港時間/HK Time: 08:00

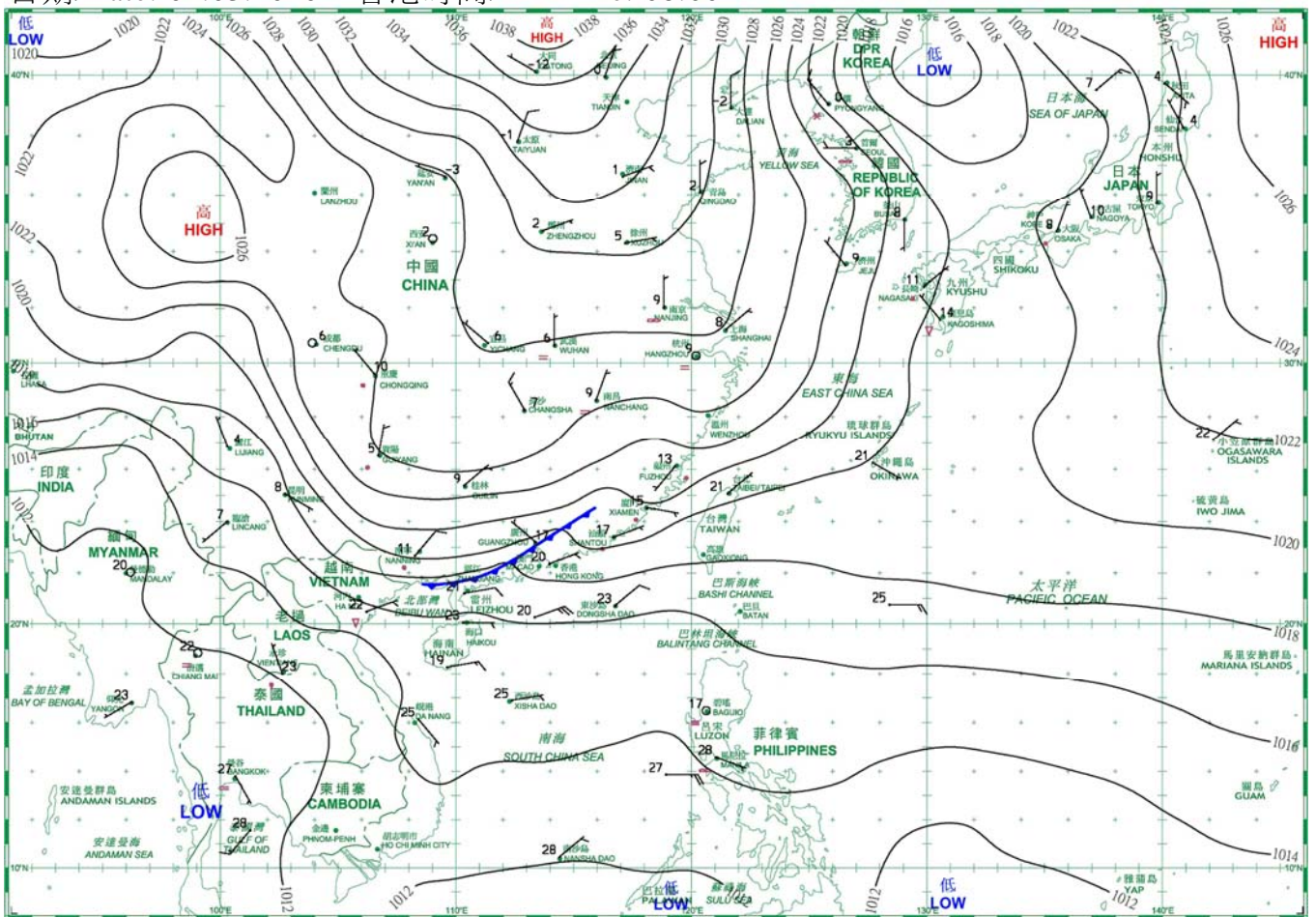


- 等壓線 Isobar(hPa)
- 冷鋒 Cold Front
- 暖鋒 Warm Front
- 錮囚鋒 Occlusion
- 靜止鋒 Stationary Front
- 槽軸 (線) Axis of Trough
- 消散中的冷鋒 Dissipating Co - ld Front
- 6 熱帶氣旋中心 Centre of Tropical Cyclone

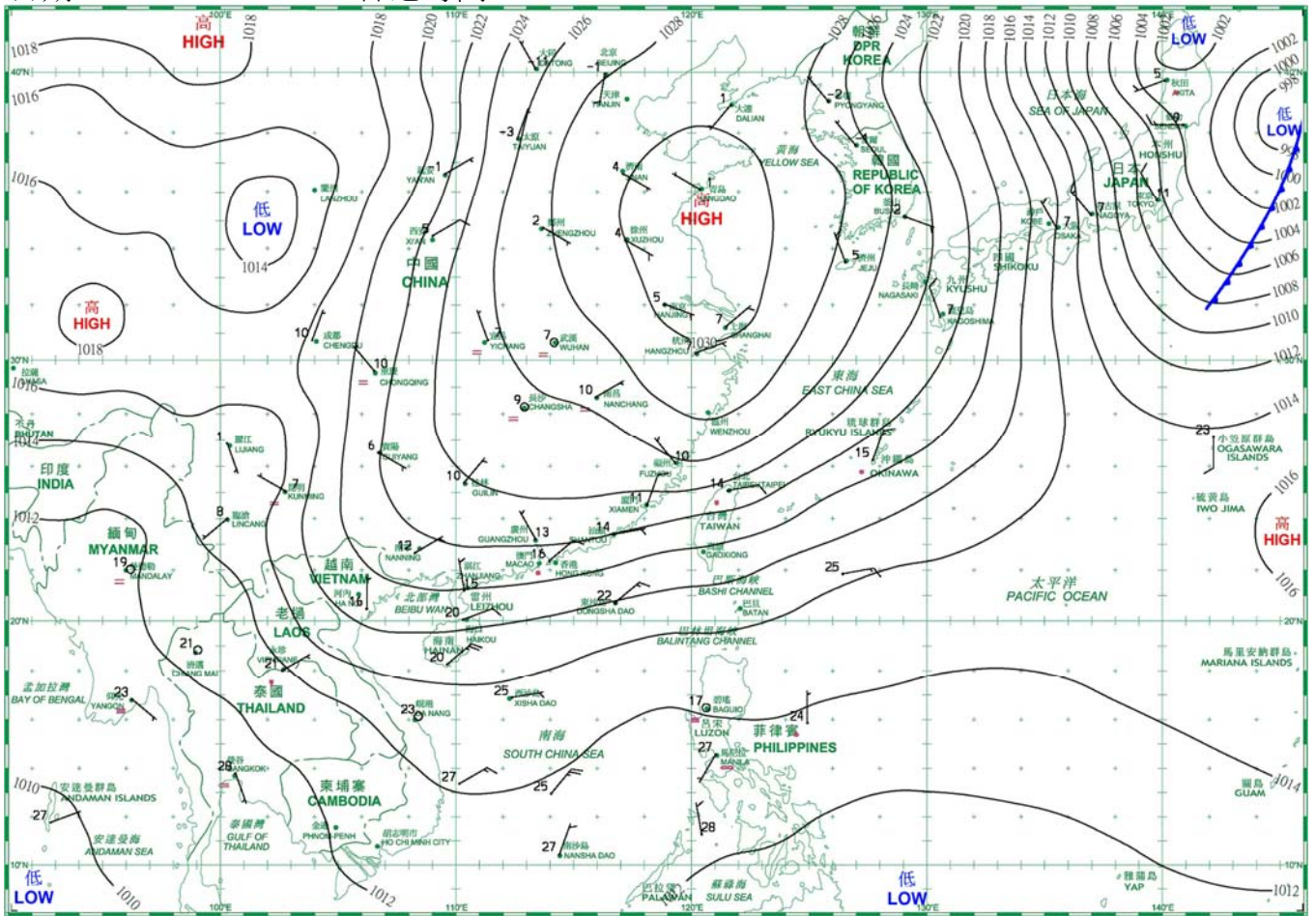
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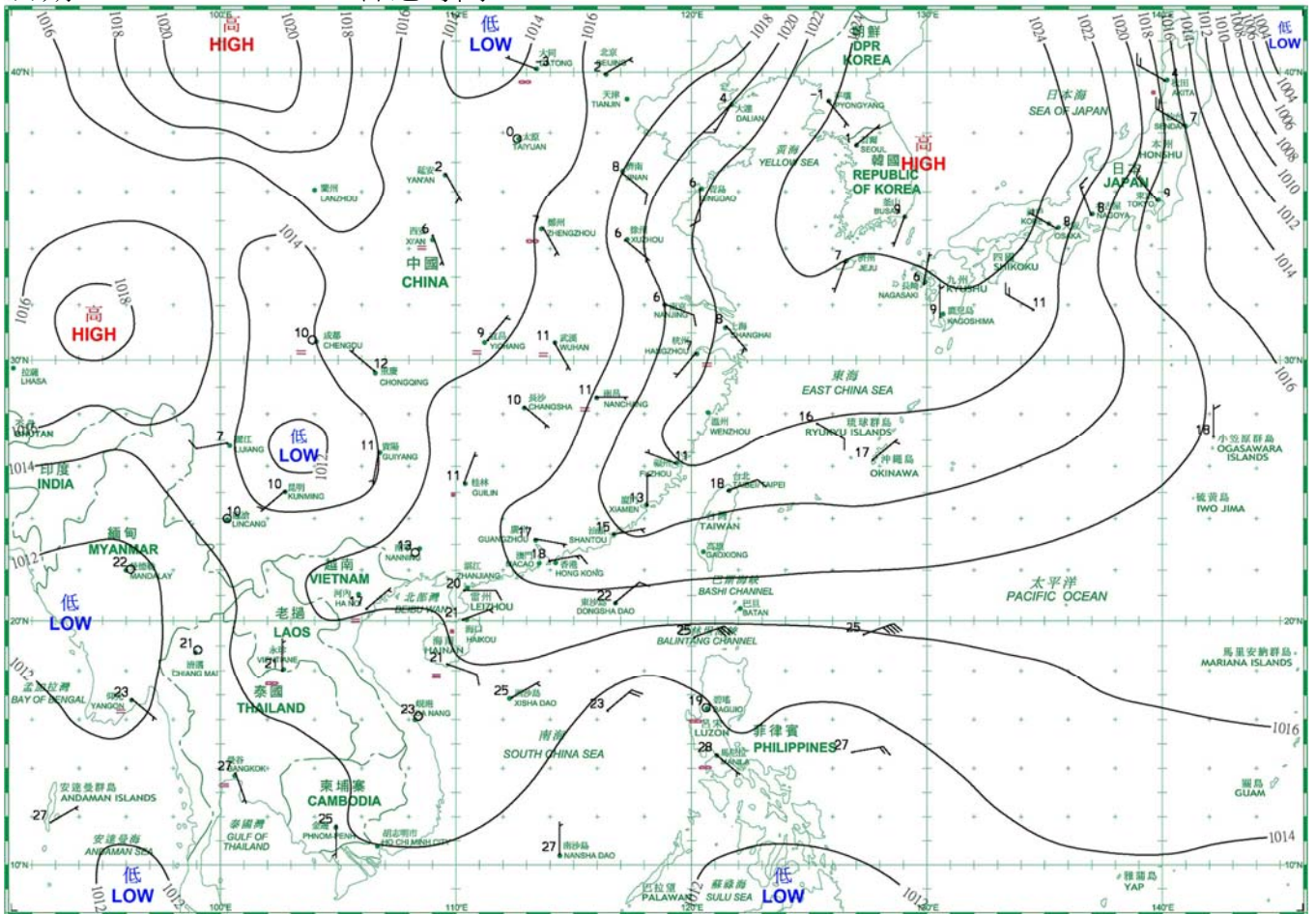
日期/Date: 04.03.2020 香港時間/HK Time: 08:00



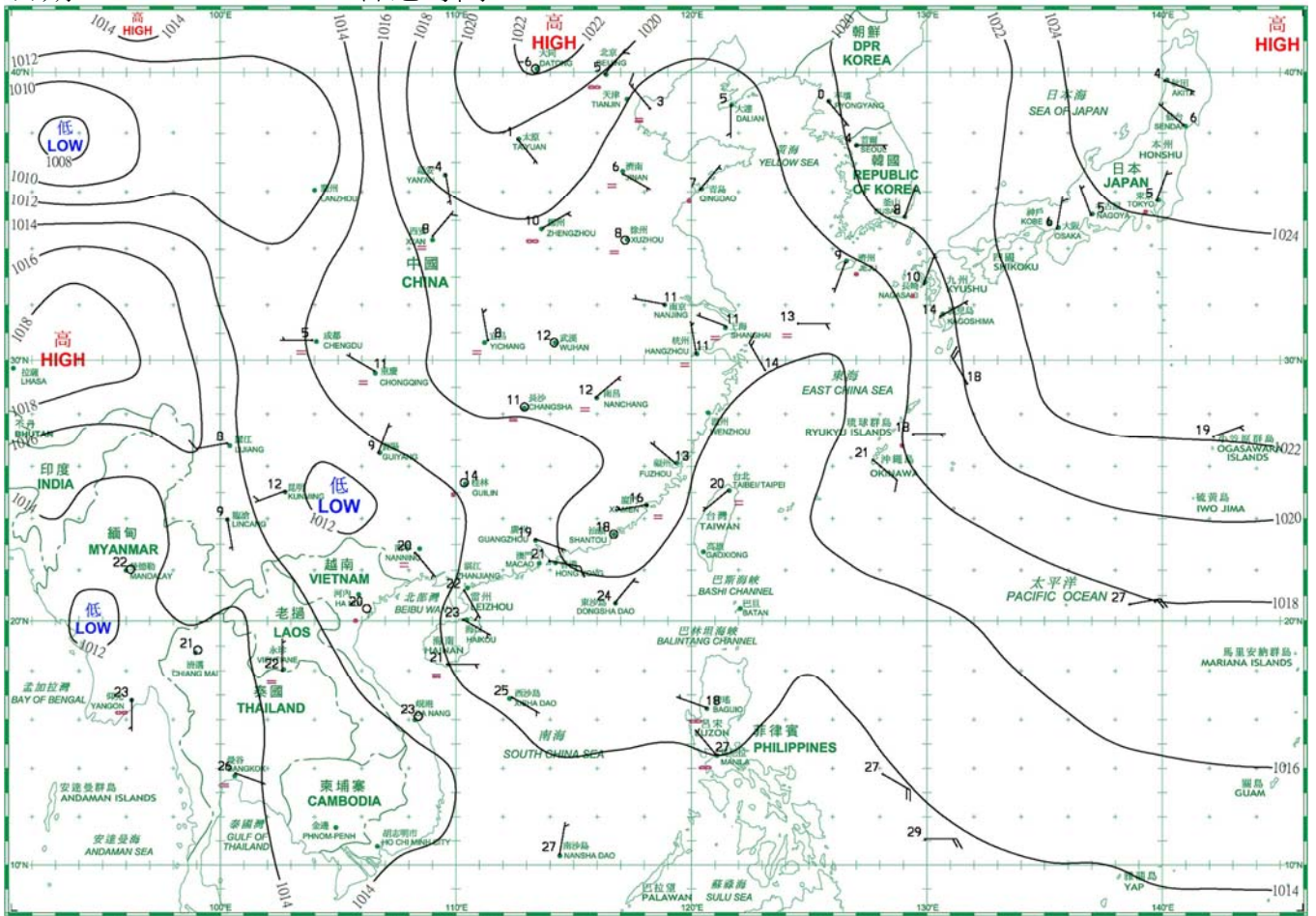
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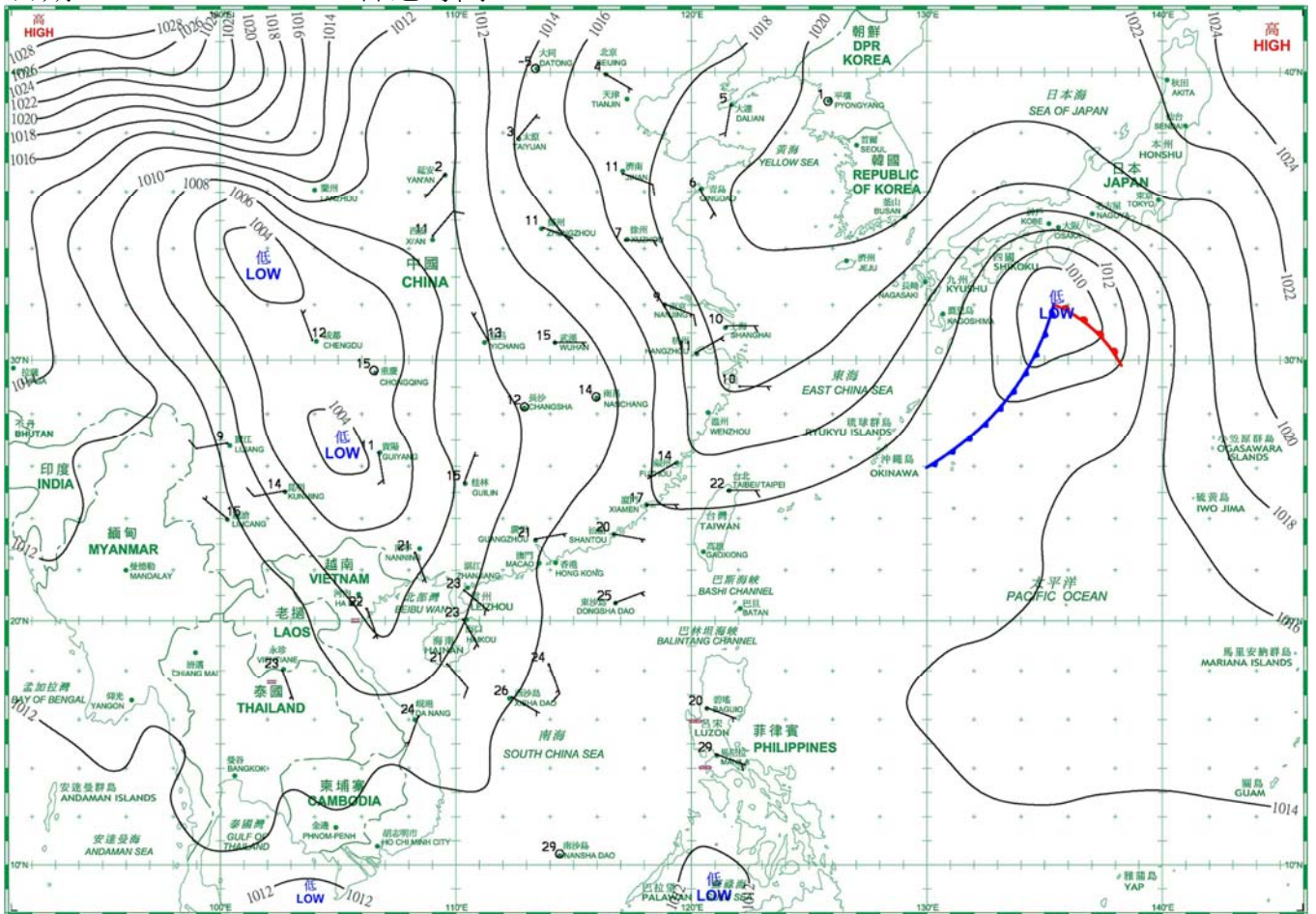
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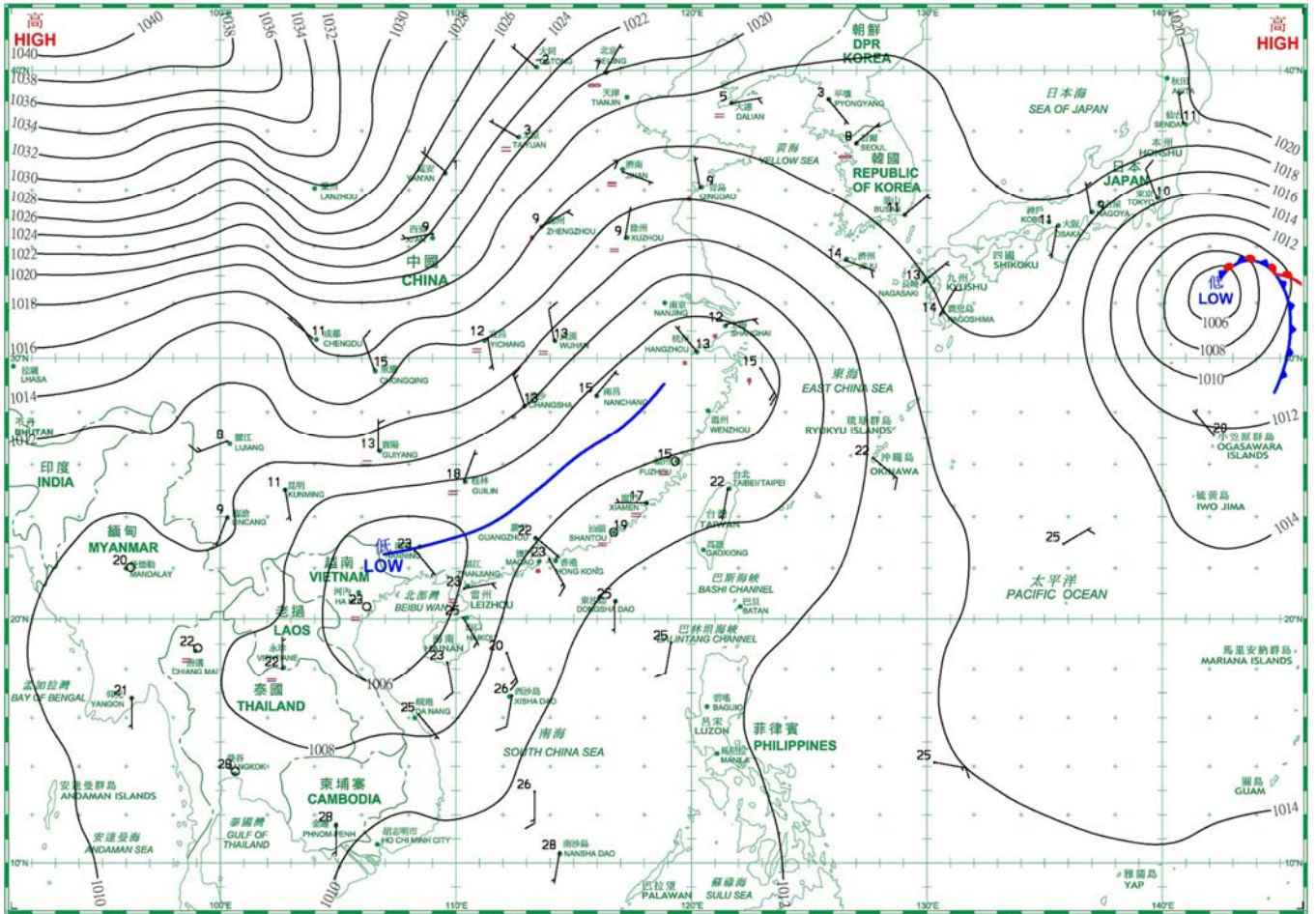
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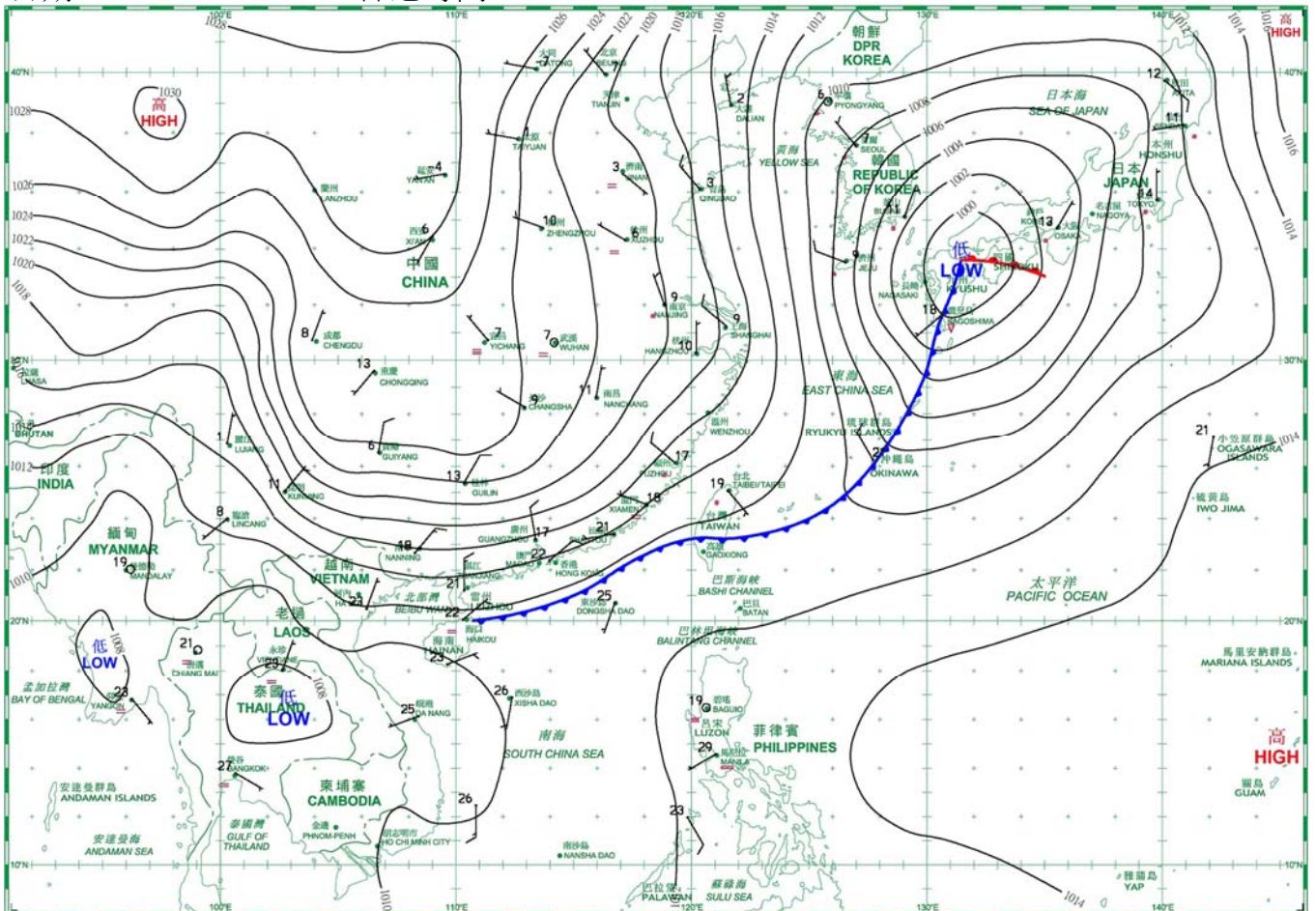
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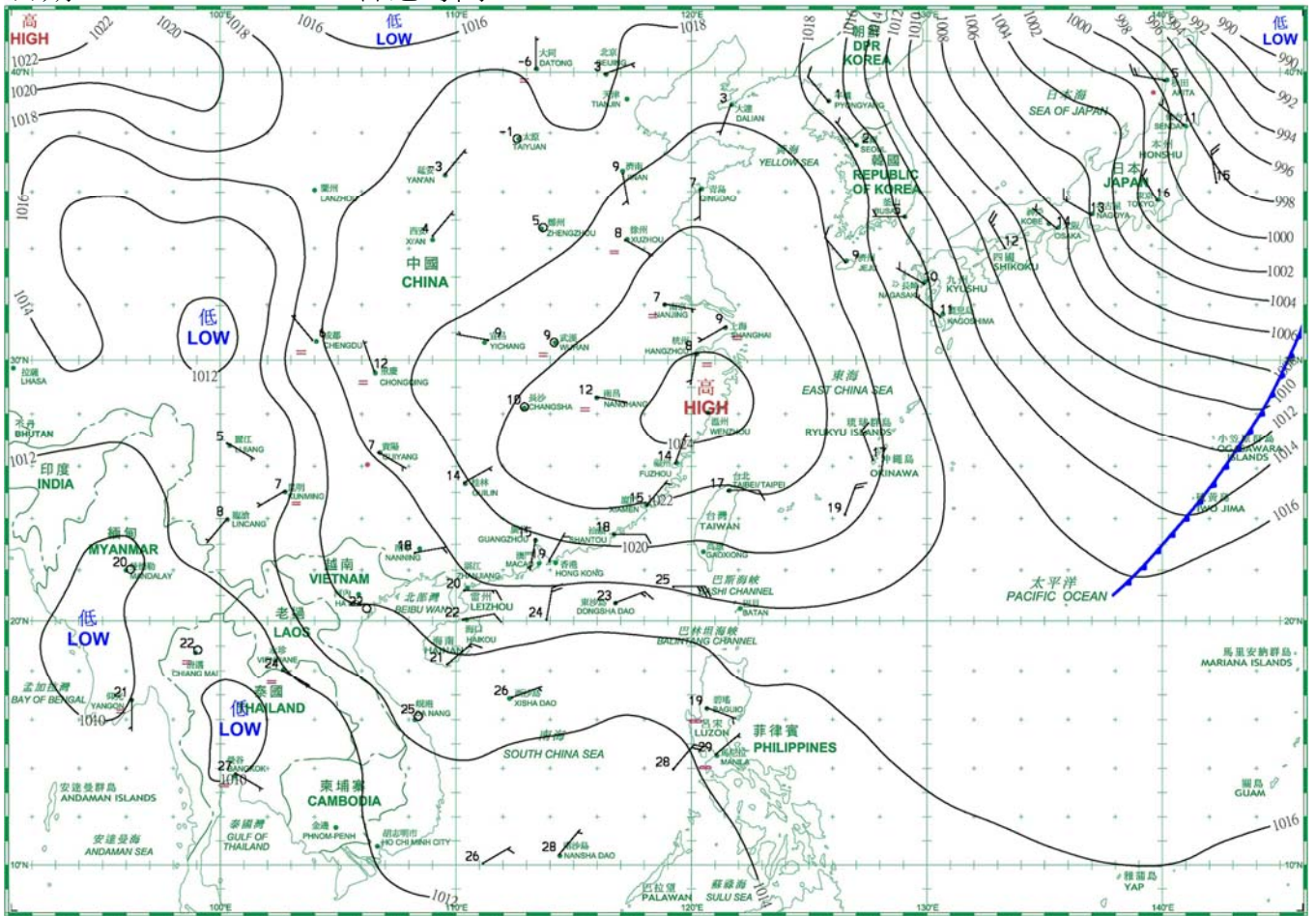
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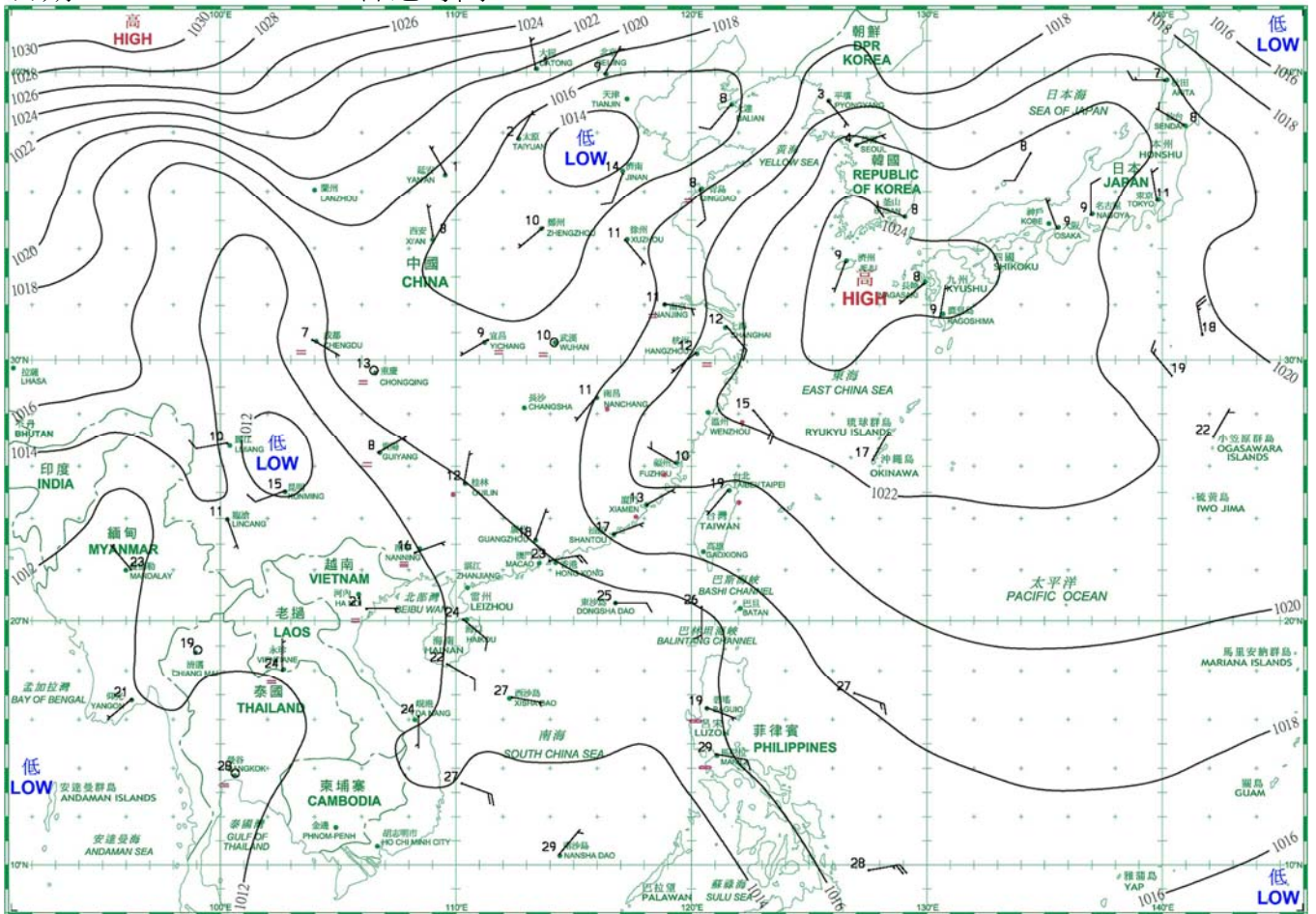
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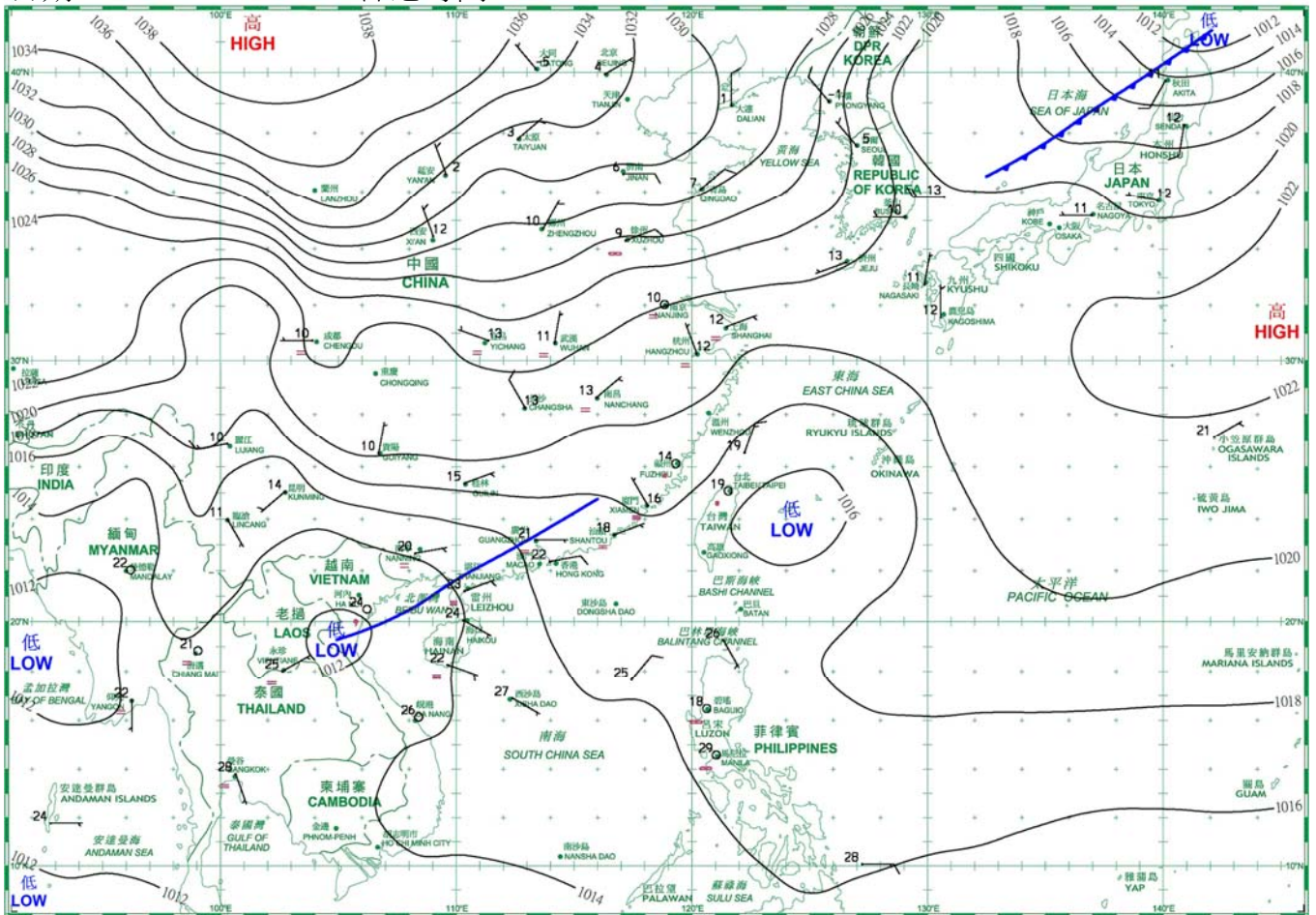
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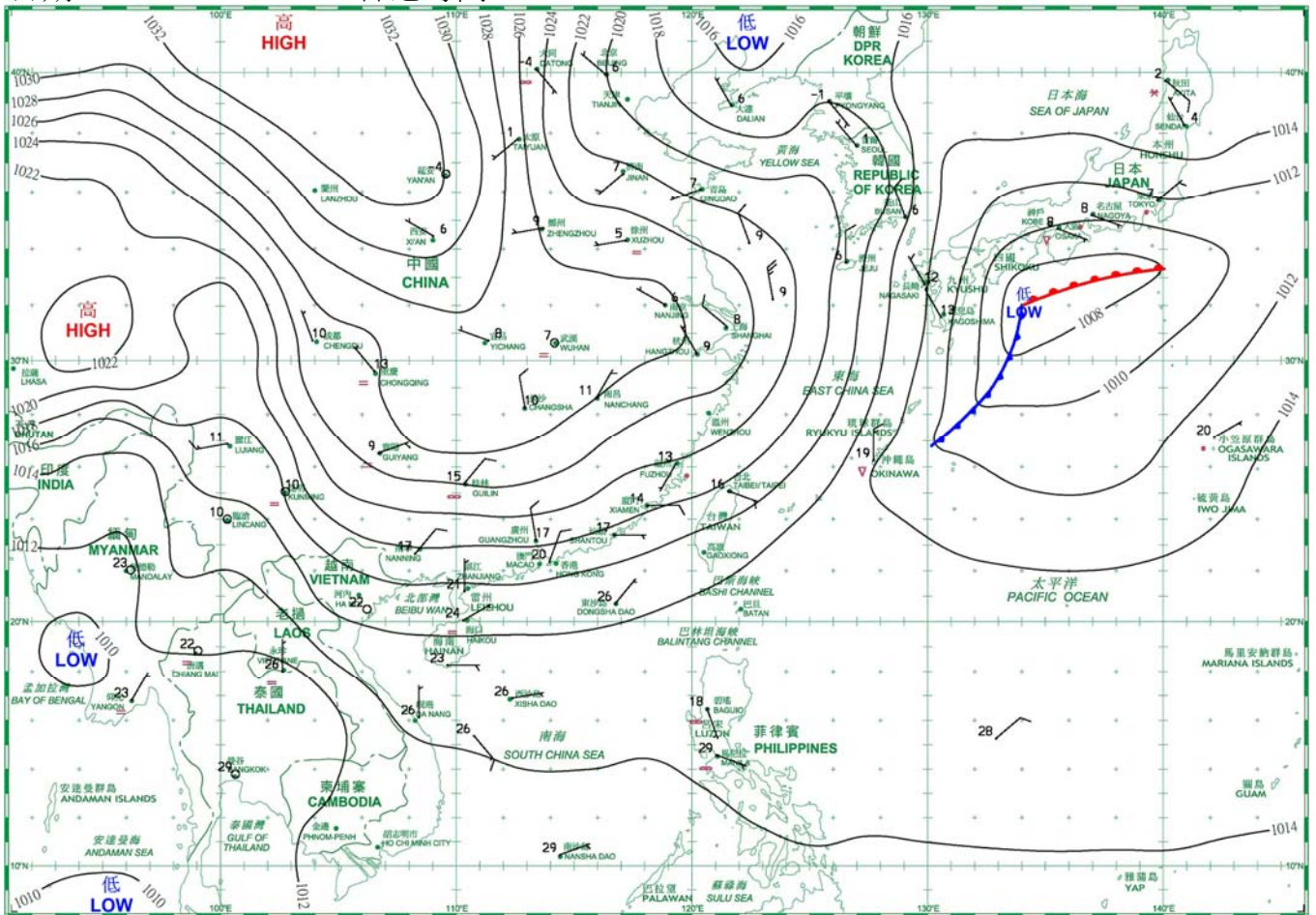
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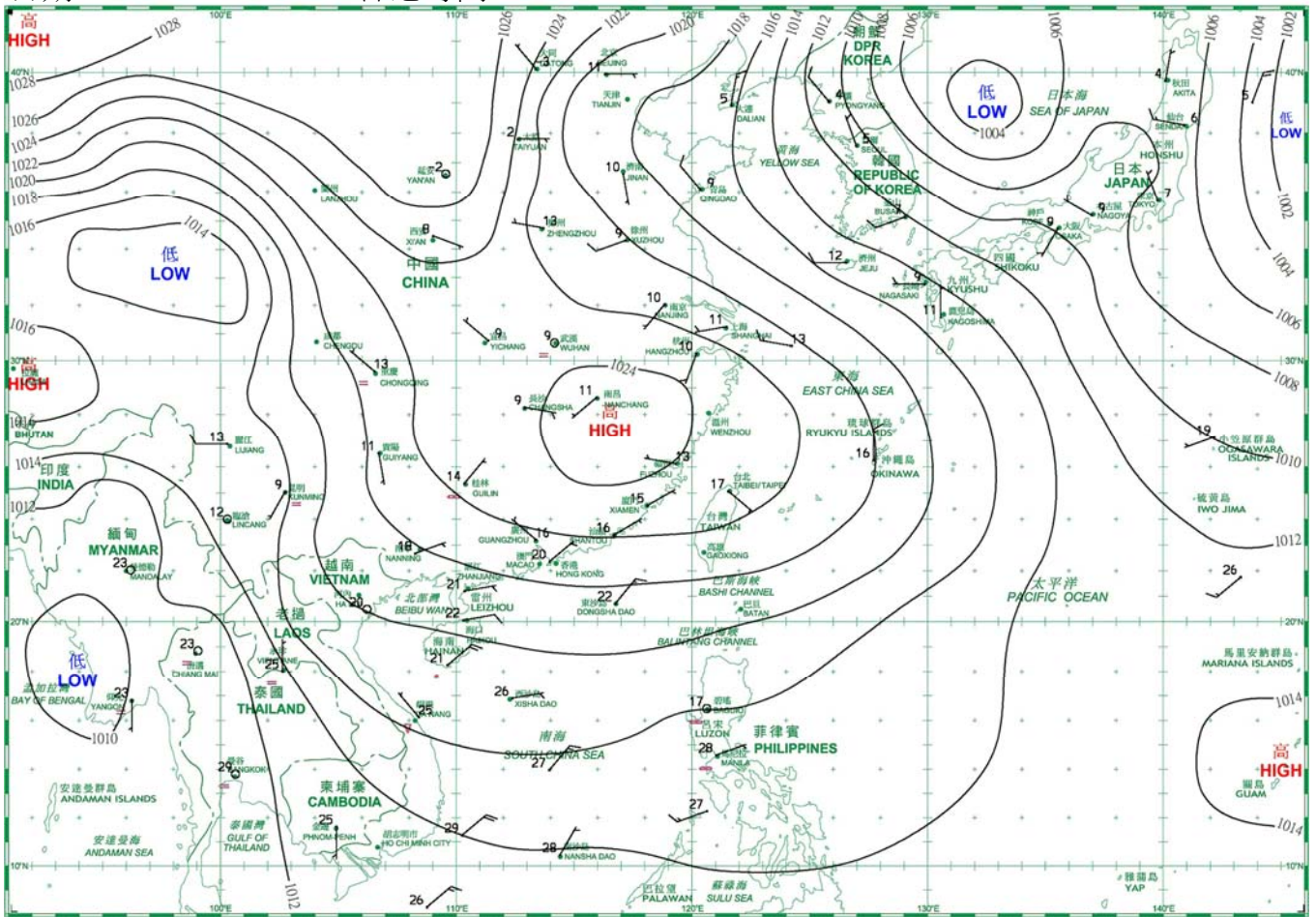
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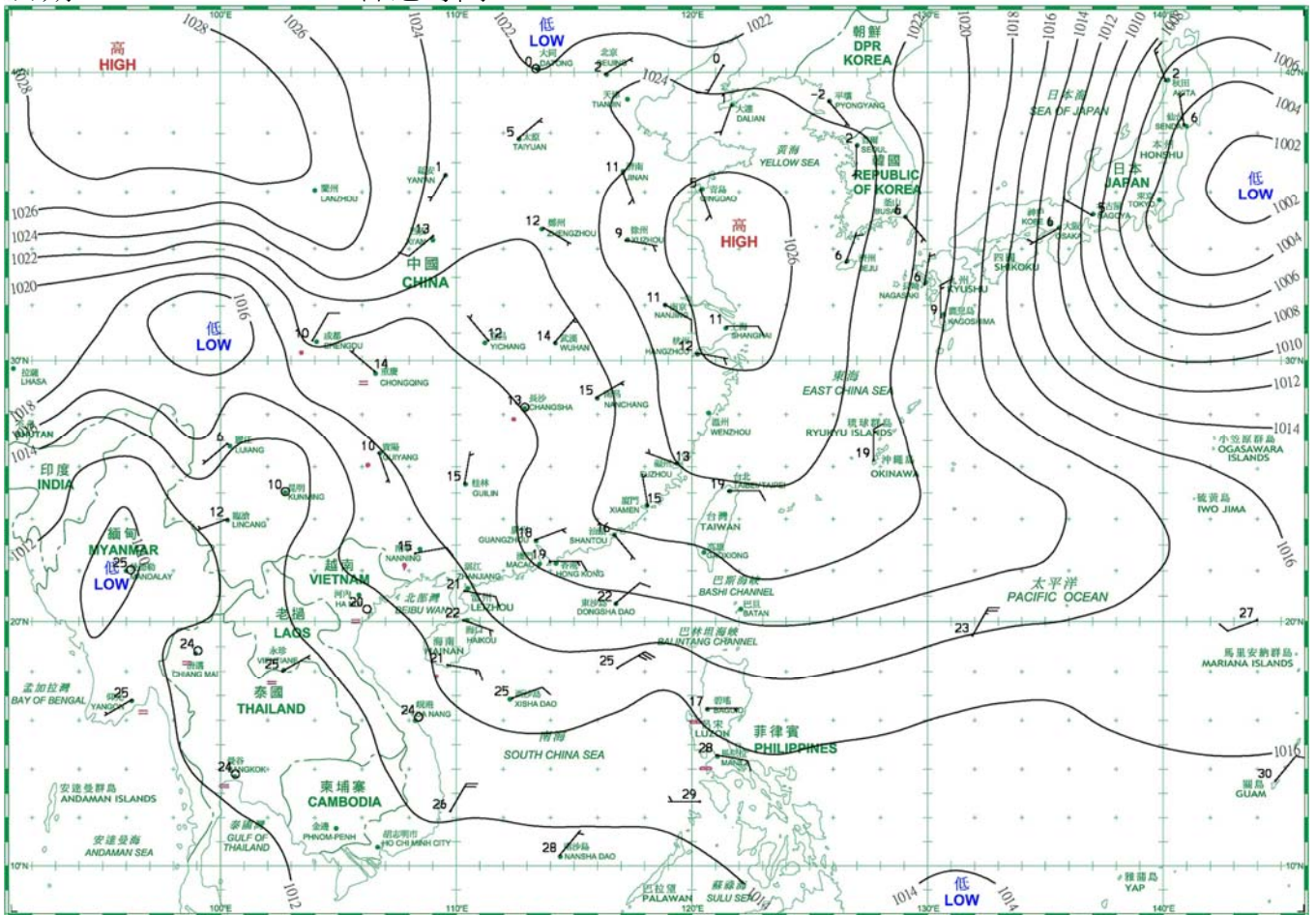
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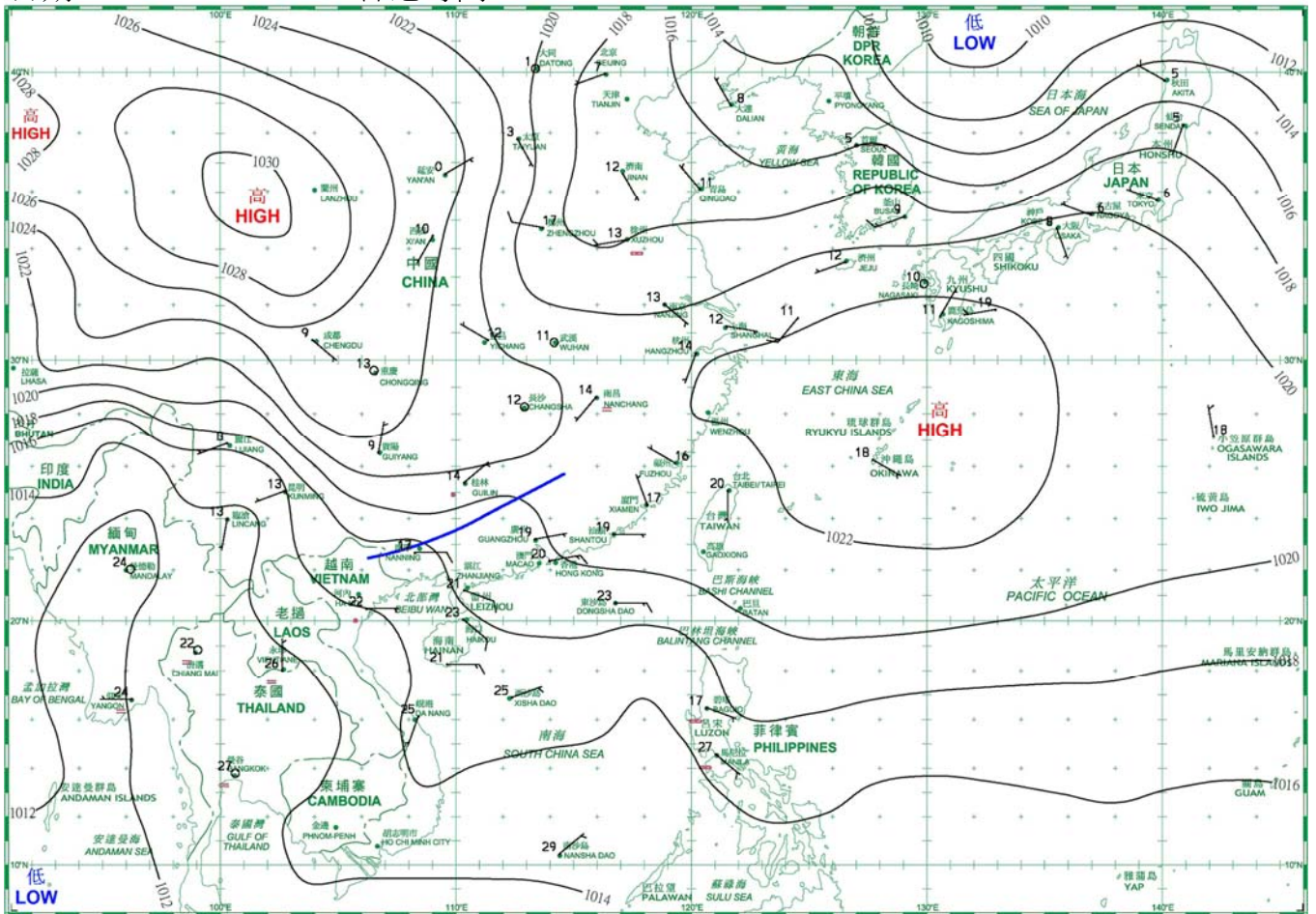
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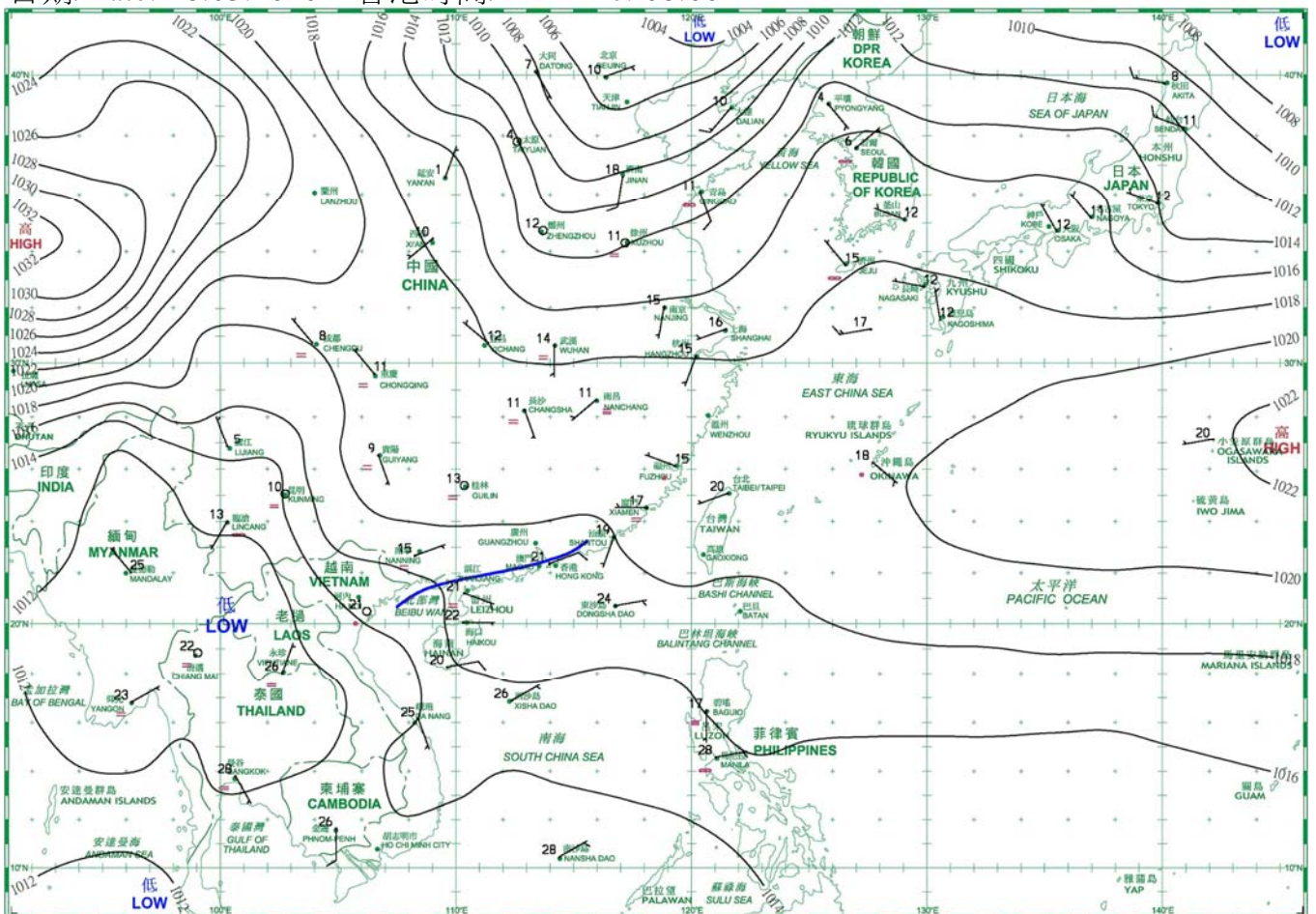
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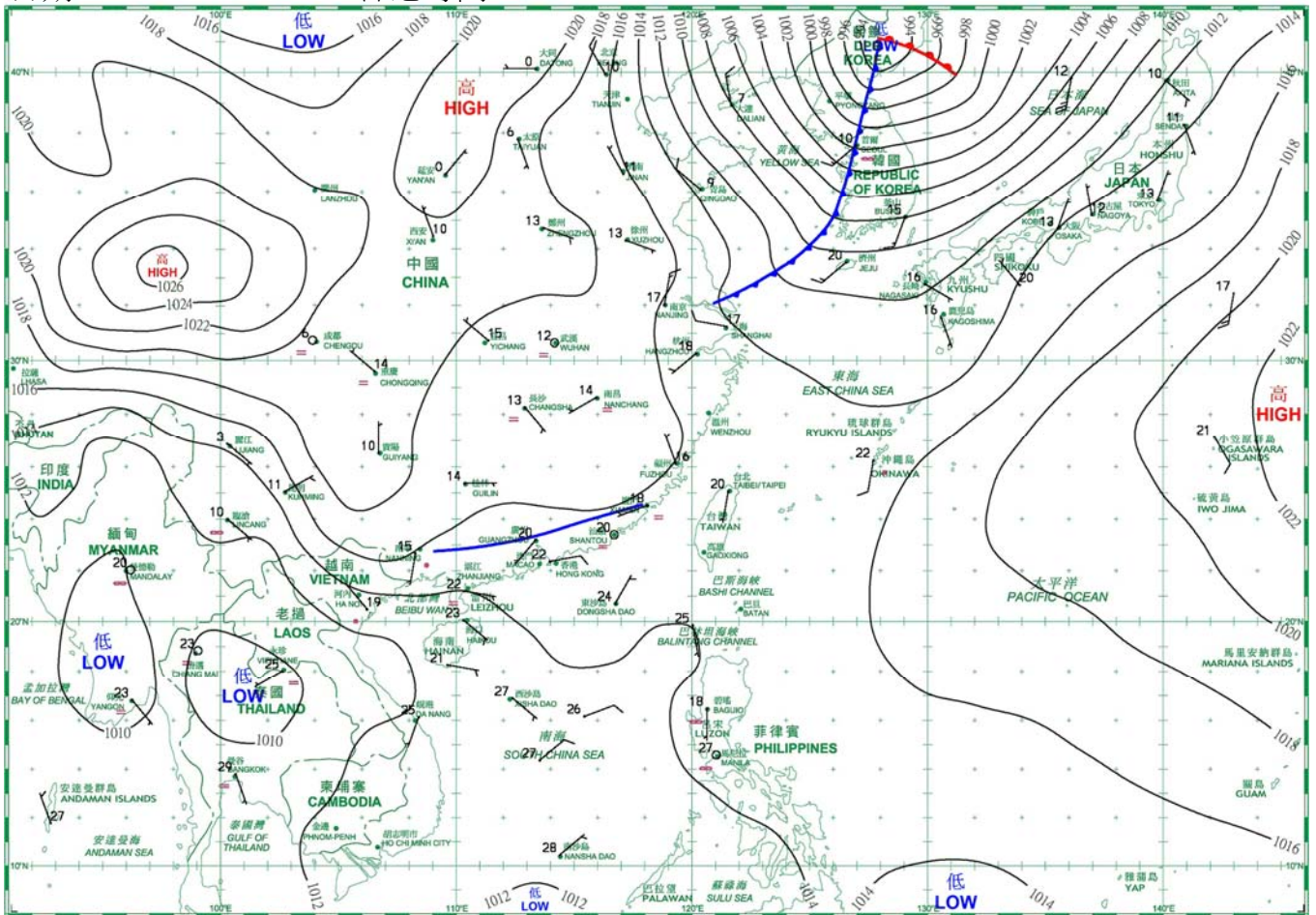
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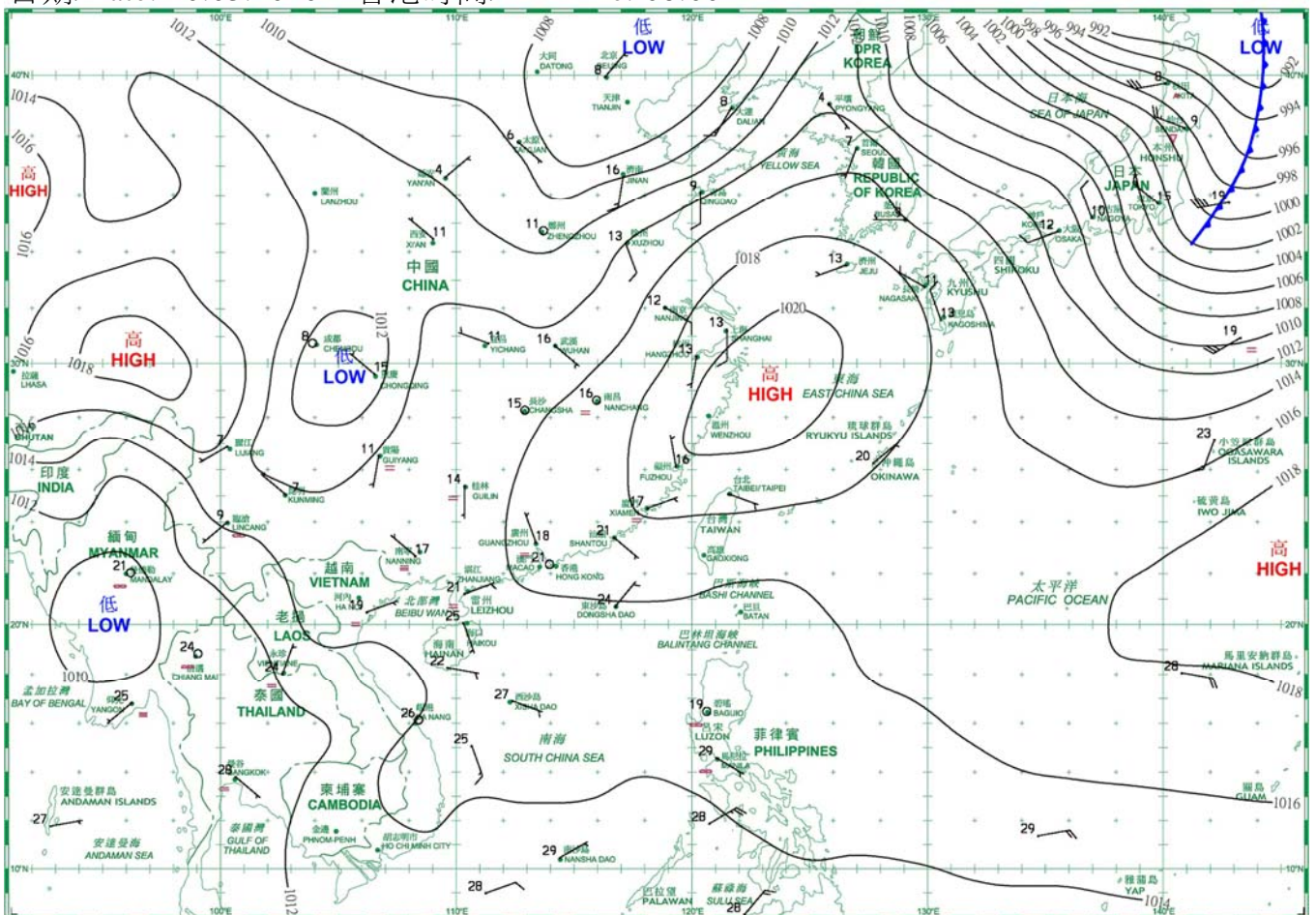
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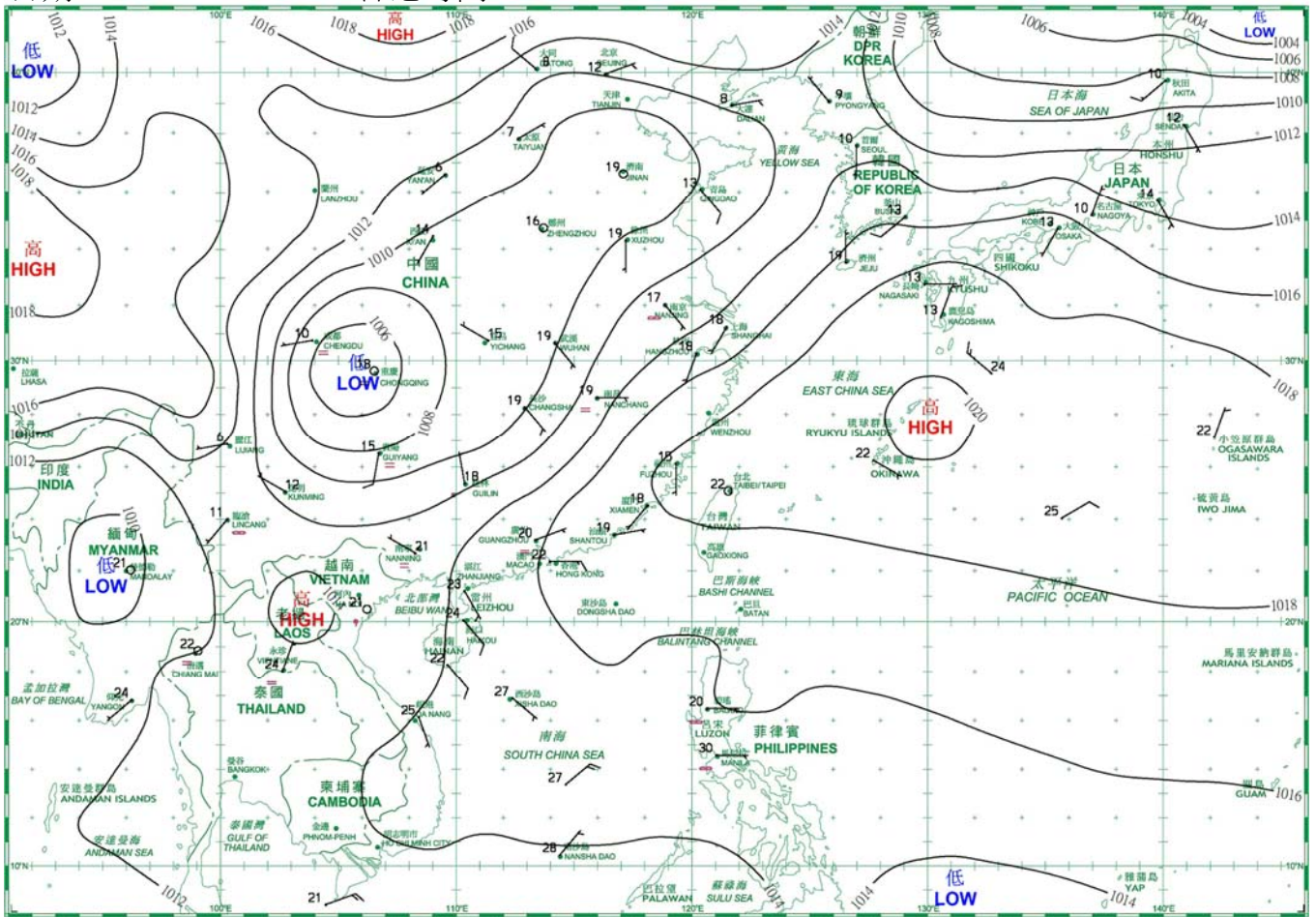
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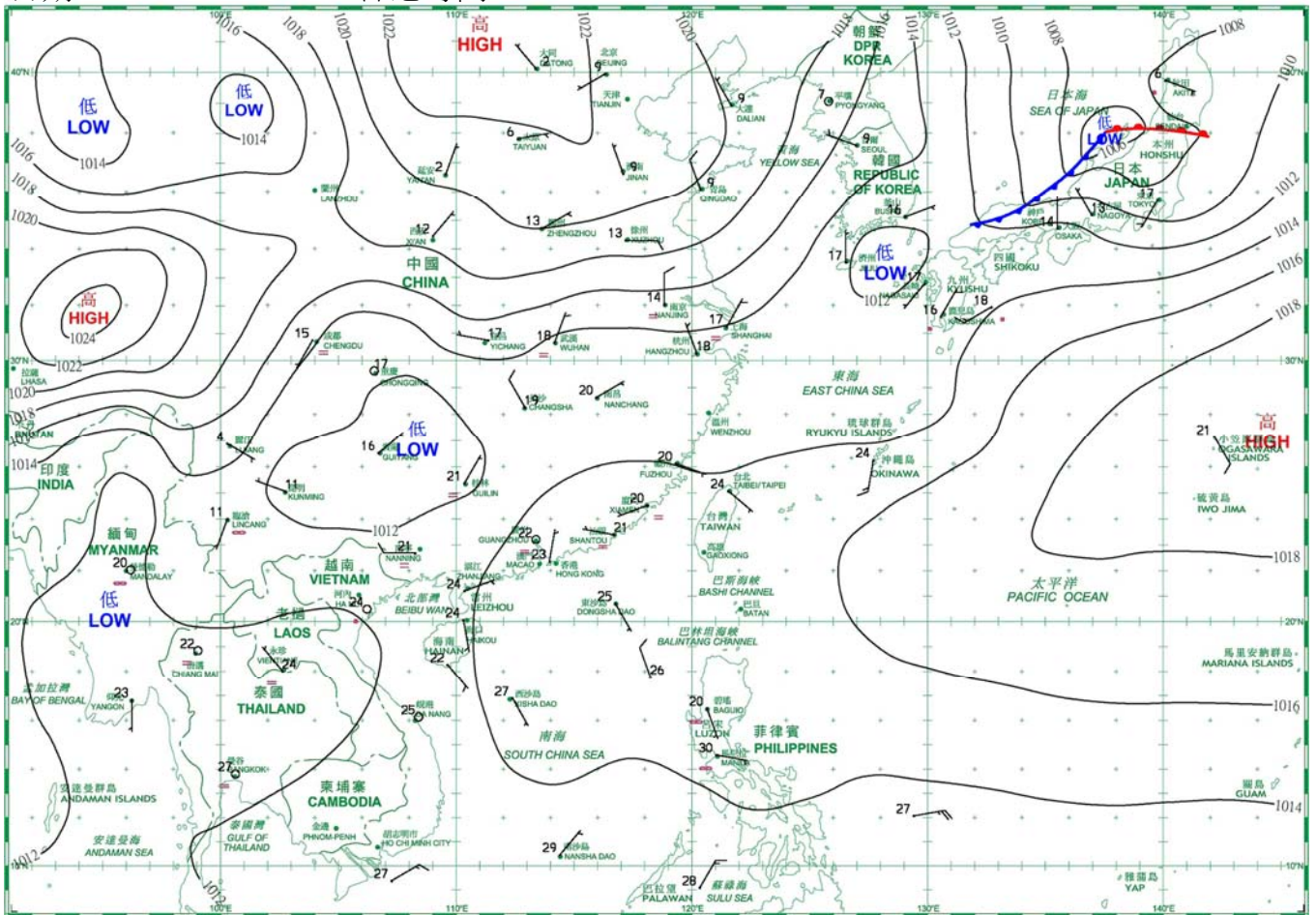
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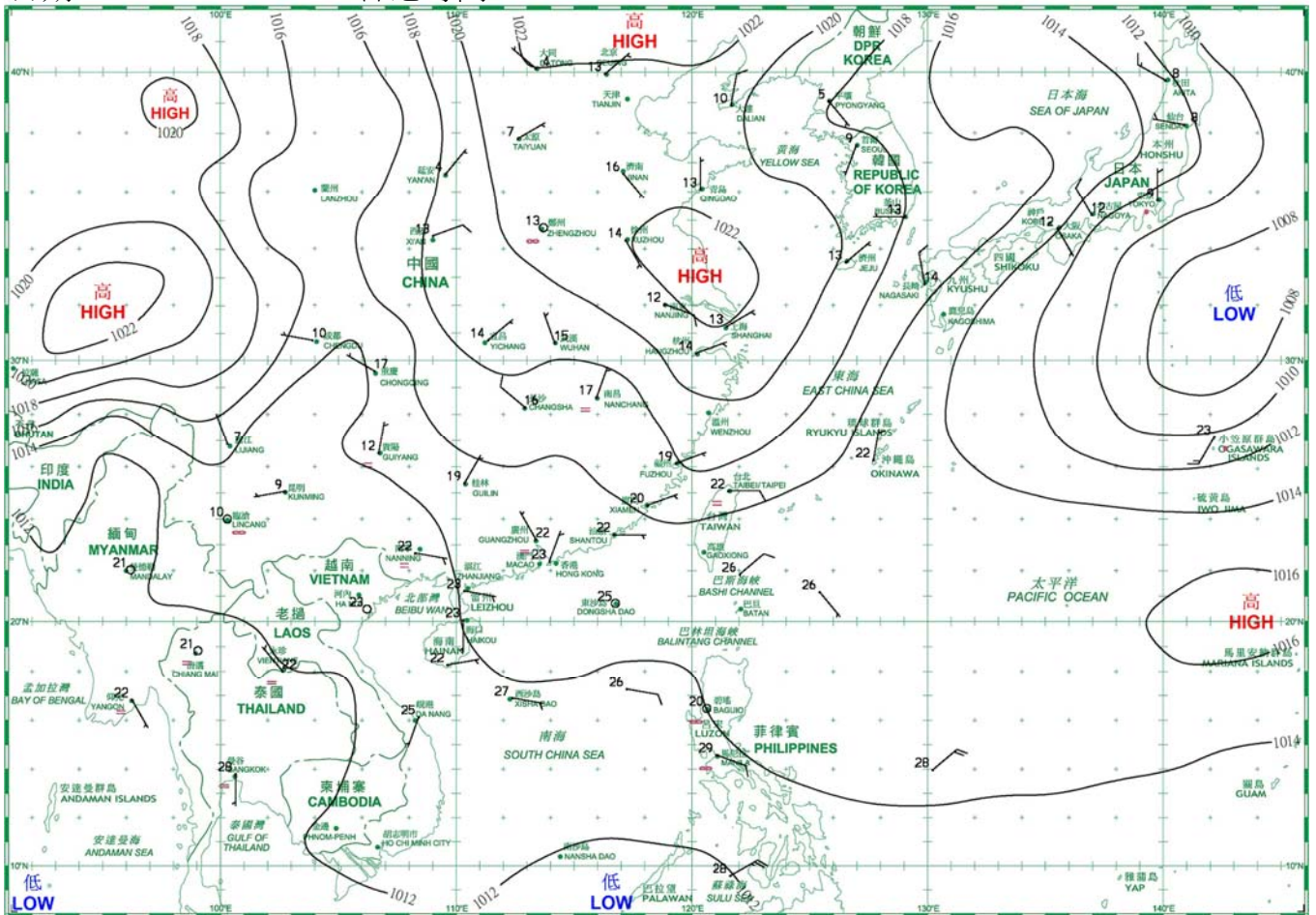
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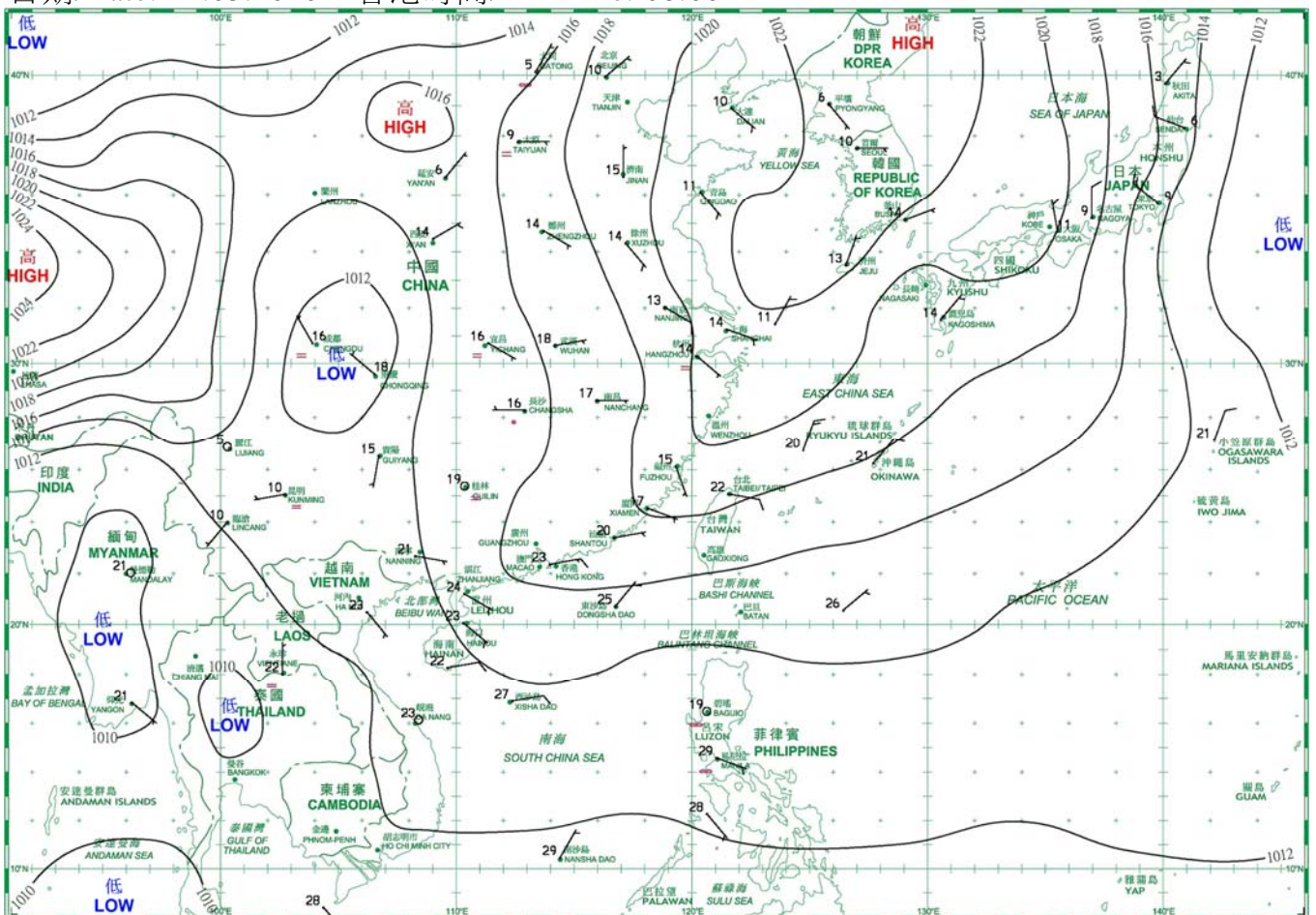
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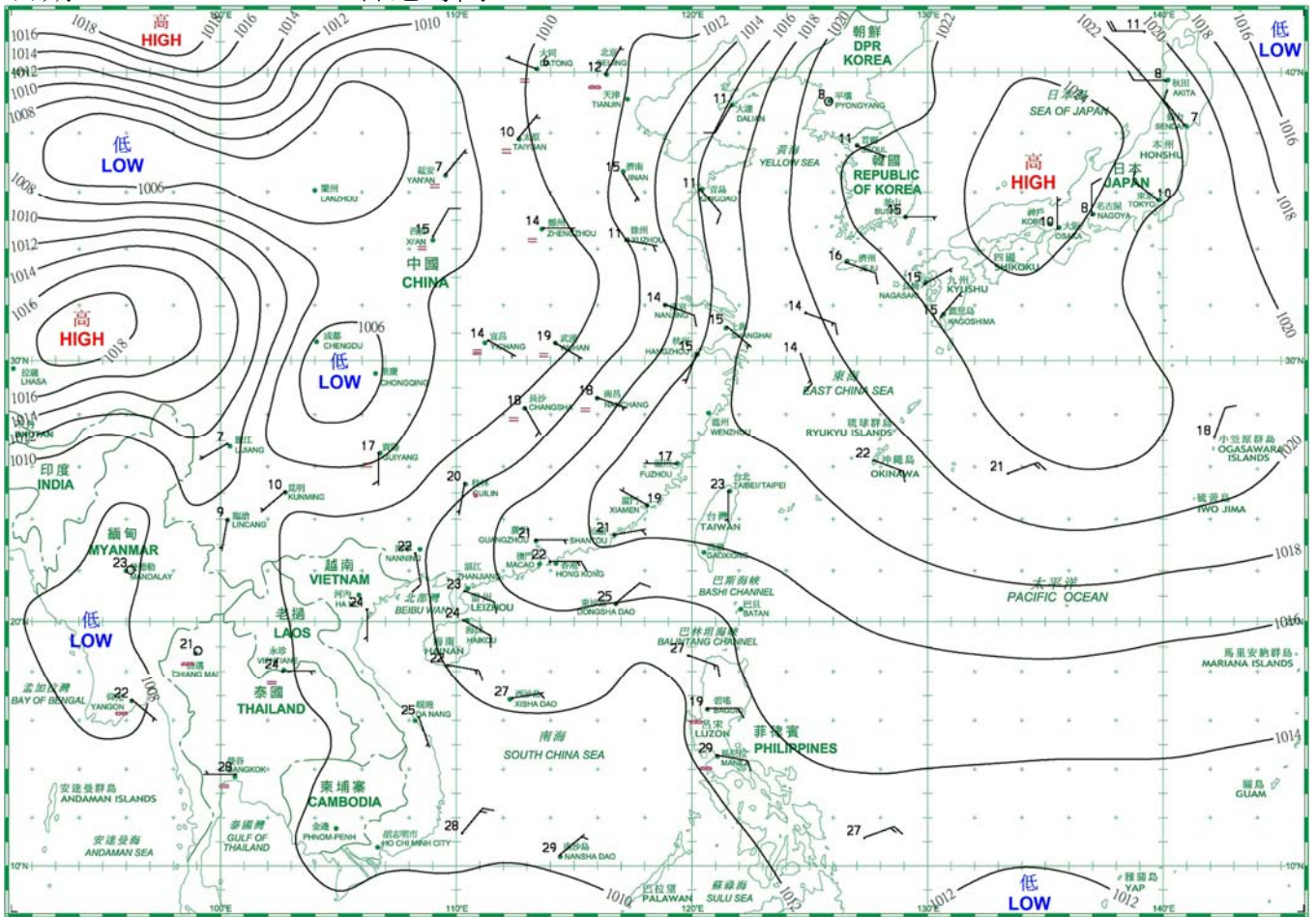
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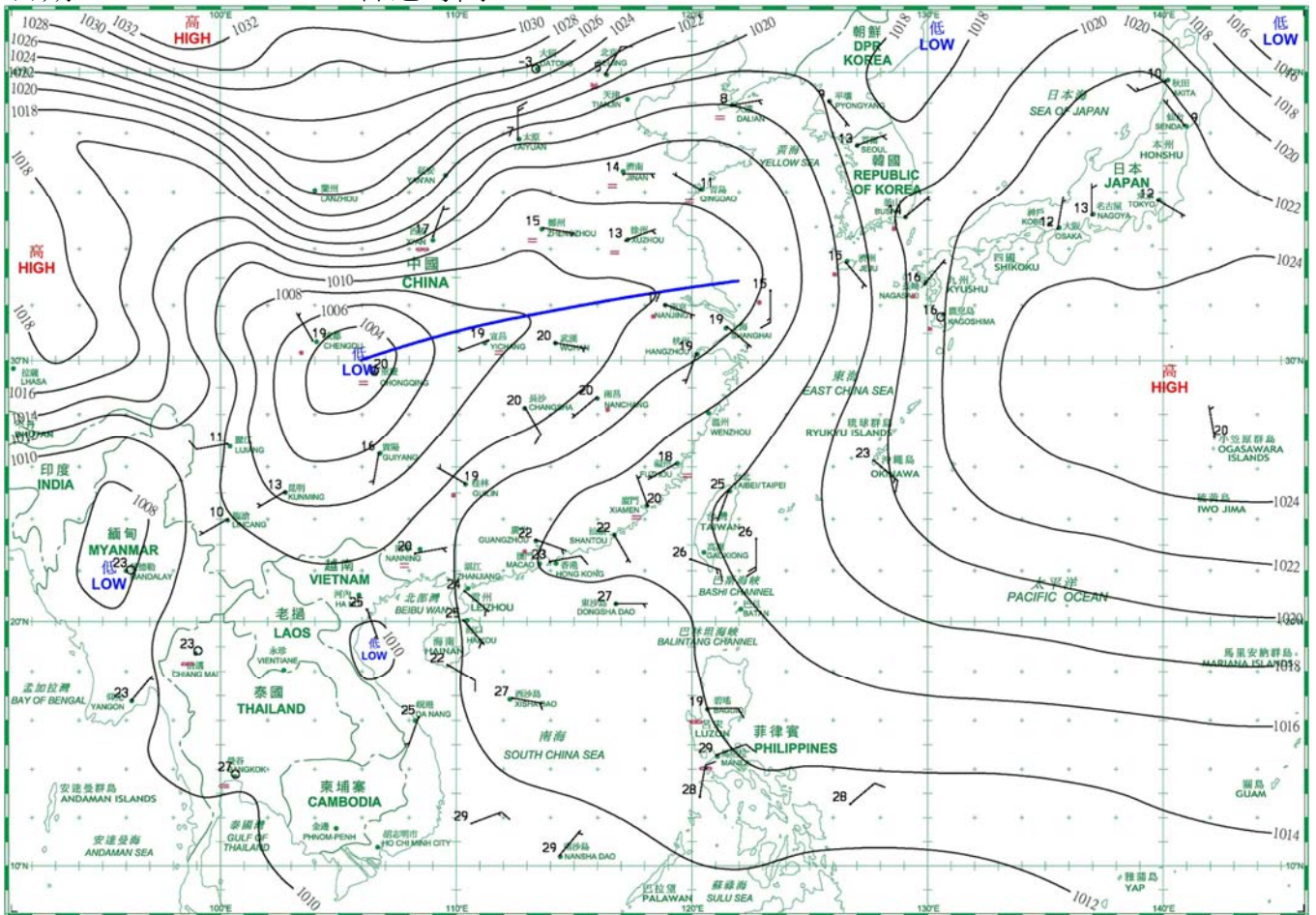
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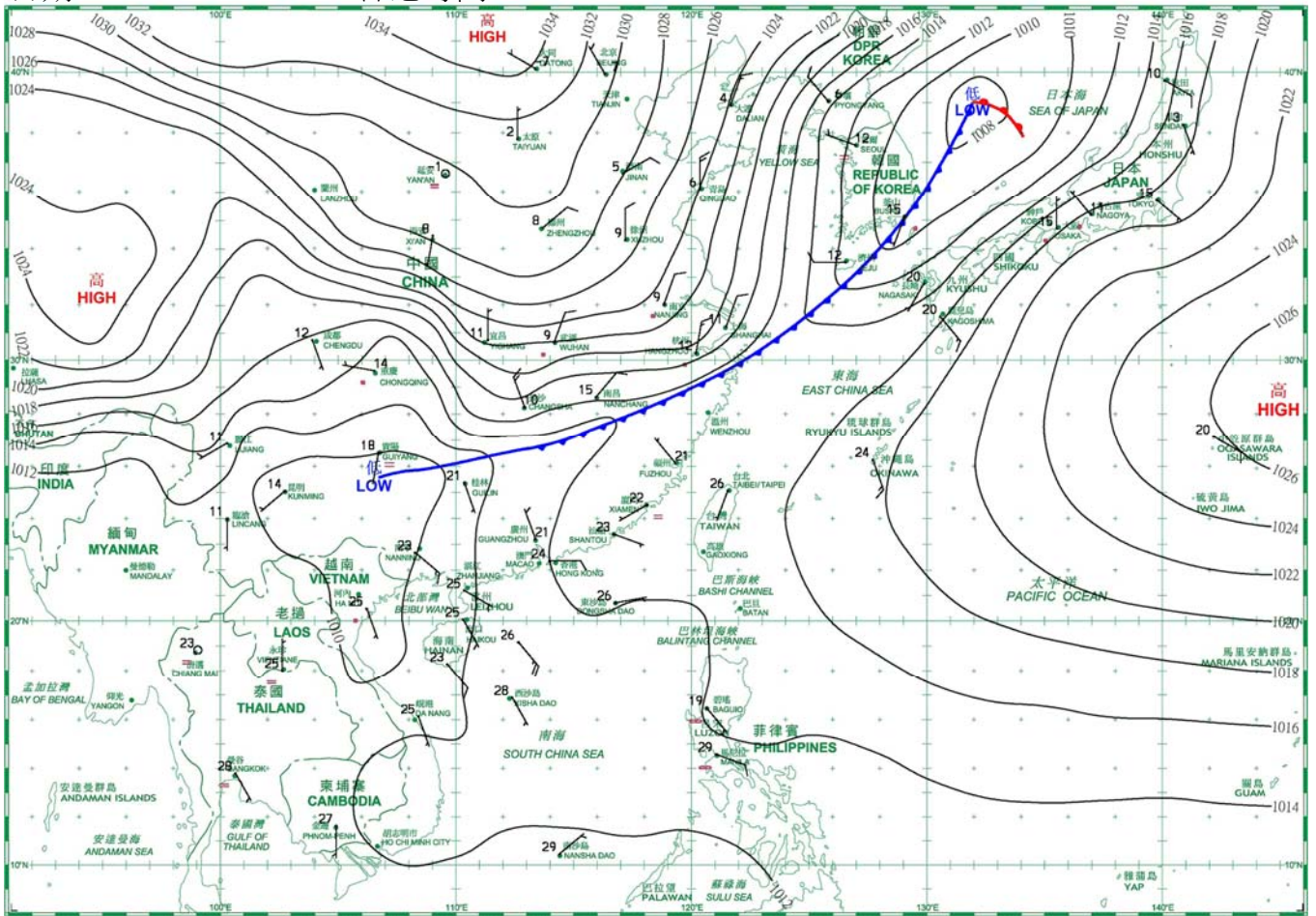
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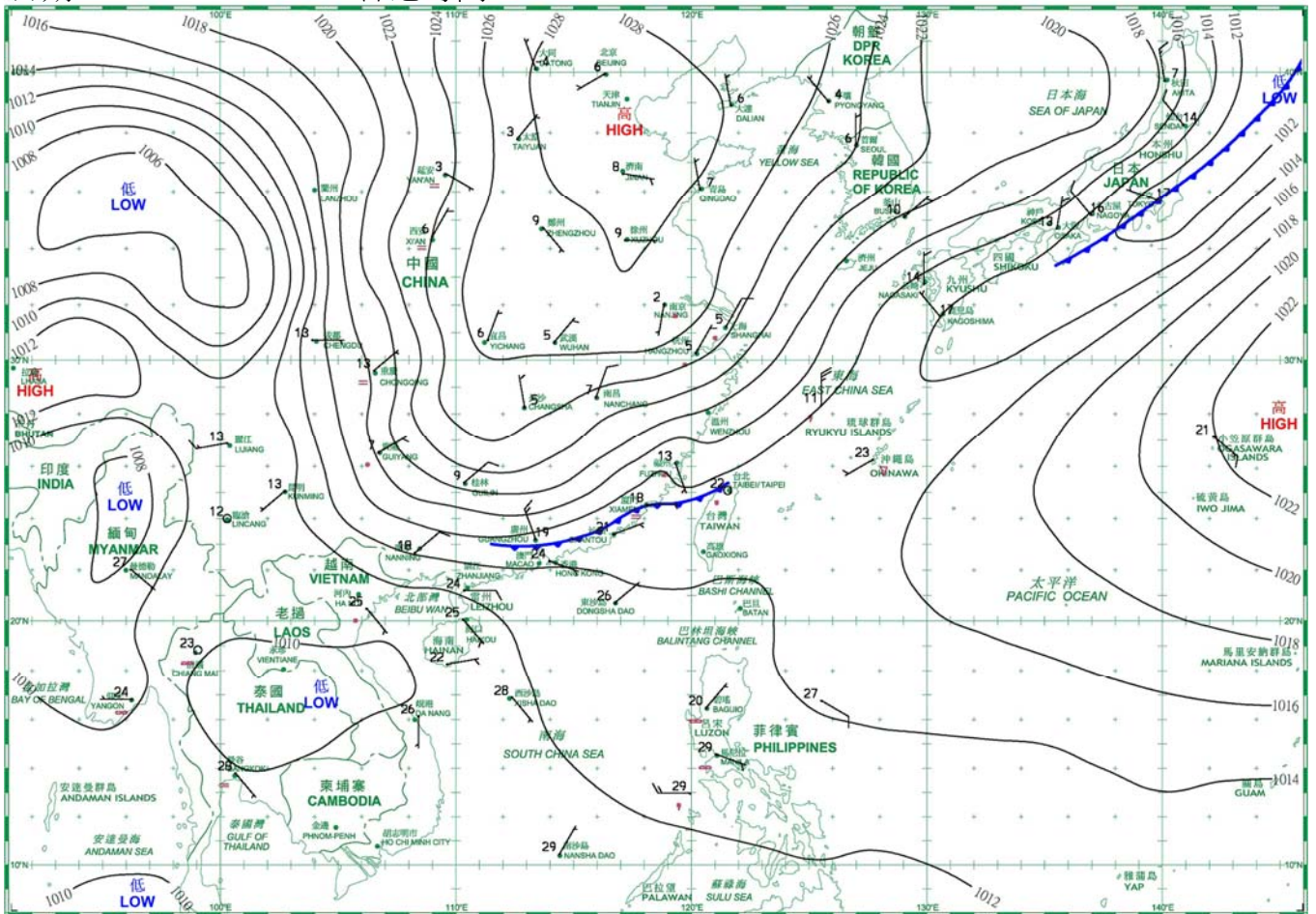
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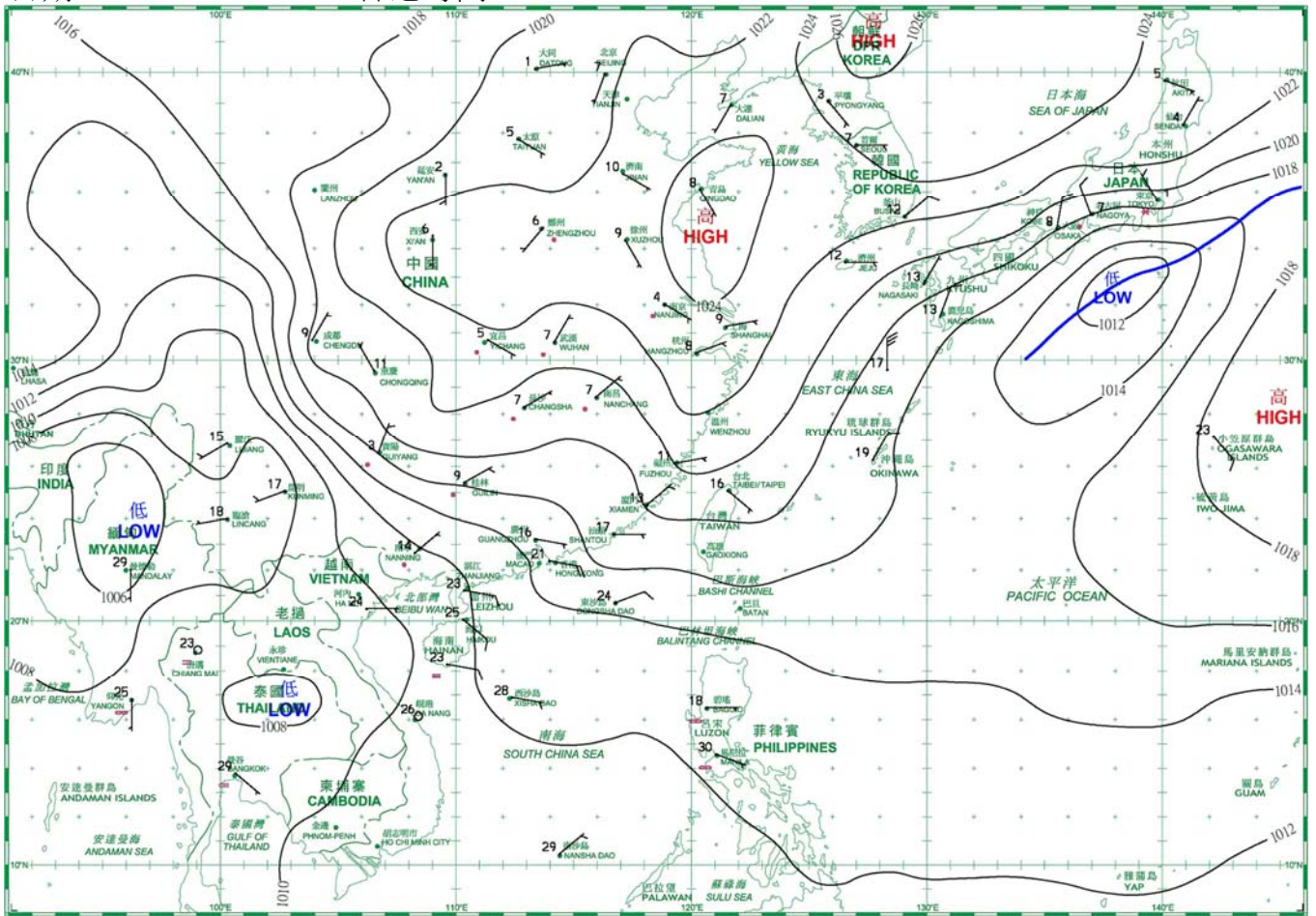
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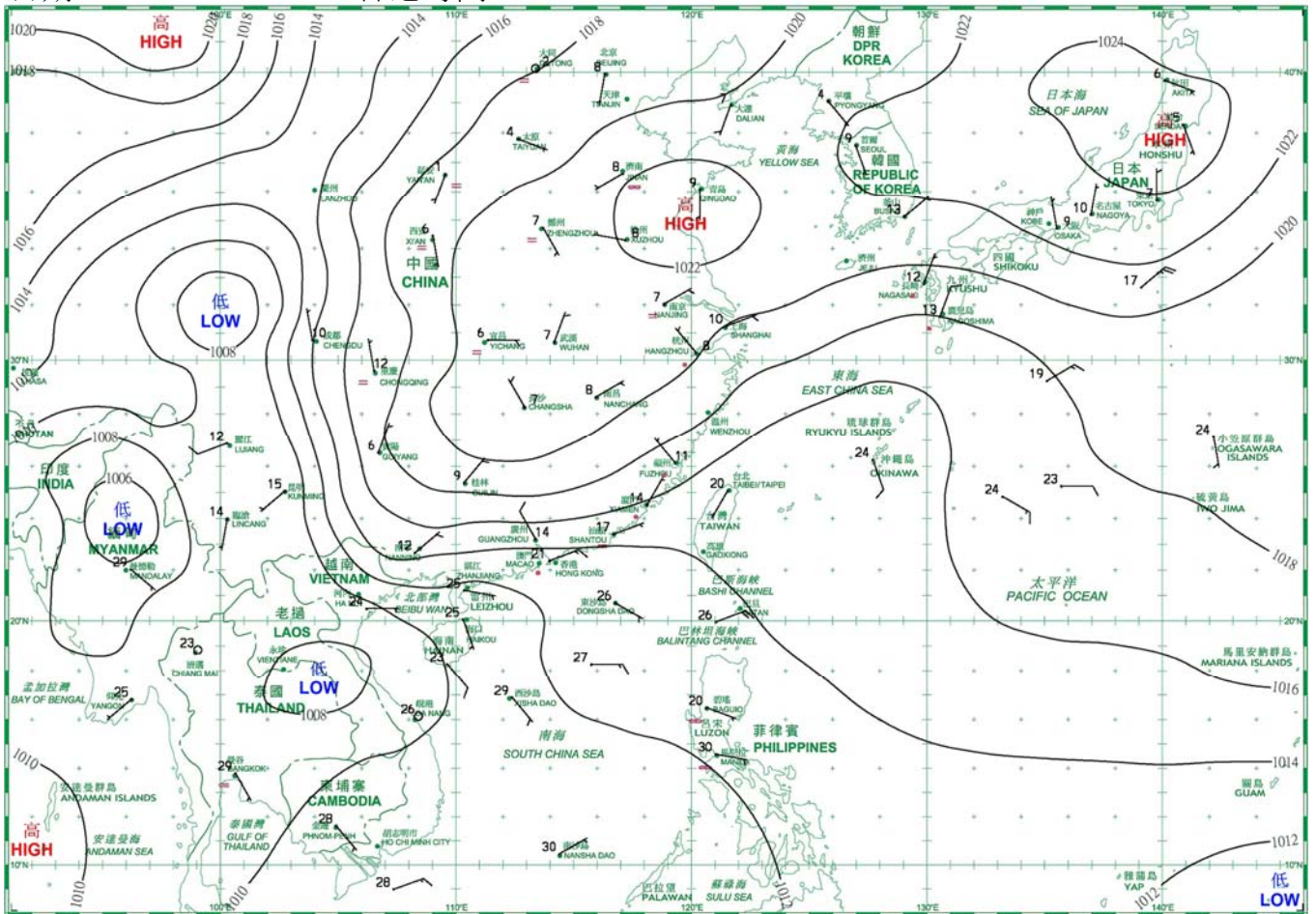
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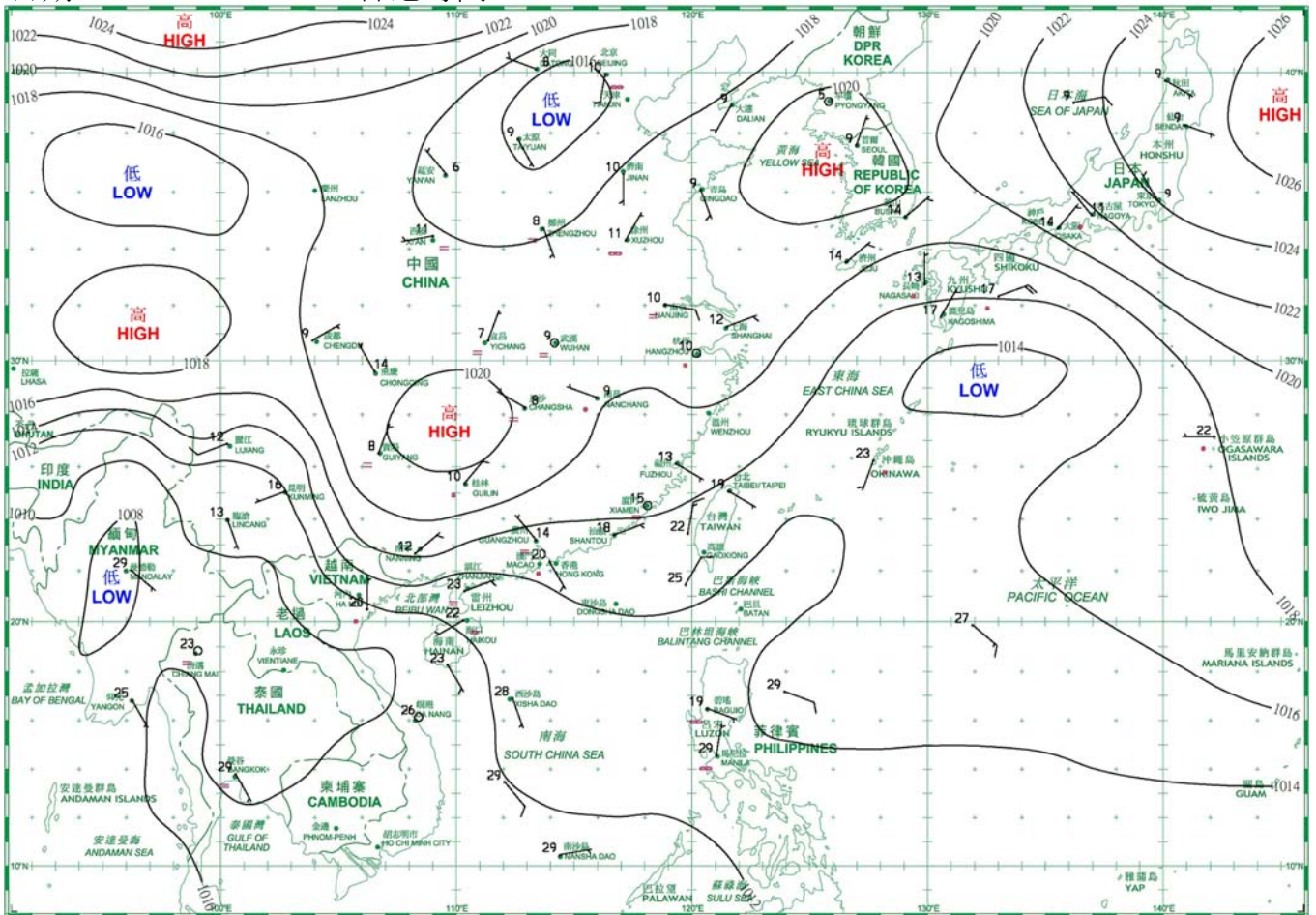


日期/Date: 29.03.2020 香港時間/HK Time: 08:00



日期/Date: 30.03.2020 香港時間/HK Time: 08:00





3.1.1 二零二零年三月香港氣象觀測摘錄(一)

3.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), March 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				
三月 March	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1014.2	26.6	22.8	20.4	19.5	82	21	-
2	1017.6	21.8	20.1	18.8	17.3	84	69	Tr
3	1018.2	21.0	19.4	18.2	16.0	81	89	Tr
4	1018.0	21.5	19.9	18.2	17.1	84	88	3.1
5	1019.4	20.7	18.2	16.5	15.6	85	88	0.4
6	1017.5	19.8	18.3	17.2	14.7	80	88	Tr
7	1014.0	24.3	20.6	18.8	18.5	88	86	Tr
8	1010.7	23.6	22.1	20.9	20.7	92	90	Tr
9	1008.5	26.8	23.4	20.8	21.4	89	91	Tr
10	1013.3	26.7	23.4	20.7	16.5	67	70	Tr
11	1017.7	20.8	19.2	17.9	13.9	72	89	Tr
12	1015.7	20.2	19.2	18.0	17.4	89	88	Tr
13	1015.7	25.0	21.4	19.3	19.8	91	89	-
14	1017.6	25.9	21.6	19.8	17.5	78	72	0.4
15	1019.3	23.0	20.2	18.9	14.5	70	76	-
16	1019.7	22.8	20.3	18.5	15.8	75	70	-
17	1018.7	21.7	20.3	19.5	16.6	79	83	-
18	1015.8	21.6	20.5	19.7	18.1	86	79	10.7
19	1014.7	23.0	21.1	20.3	19.1	88	89	0.8
20	1015.4	23.0	21.2	20.5	18.9	87	88	0.4
21	1015.4	23.0	21.2	20.2	20.1	94	87	0.2
22	1014.0	28.5	24.2	21.6	21.1	84	44	-
23	1014.2	28.5	24.6	22.0	21.0	81	37	-
24	1015.3	26.6	22.8	21.0	19.5	82	70	Tr
25	1014.2	26.5	22.8	21.2	19.7	83	88	Tr
26	1013.5	26.3	23.3	22.0	21.5	90	77	1.0
27	1013.0	27.7	24.4	22.4	21.9	86	73	Tr
28	1013.3	25.9	22.8	19.8	21.3	91	89	9.8
29	1013.5	21.9	20.2	19.1	18.7	91	90	2.2
30	1012.2	21.4	20.4	19.7	19.5	95	96	6.5
31	1013.1	21.3	20.3	19.2	19.5	95	98	5.8
平均/總值 Mean/Total	1015.3	23.8	21.3	19.7	18.5	84	79	41.3
正常* Normal*	1016.0	21.4	19.1	17.2	15.7	82	79	82.2
觀測站 Station	天文台 Hong Kong Observatory							

天文台於三月九日 15 時 33 分錄得本月最低氣壓 1006.4 百帕斯卡。

The minimum pressure recorded at the Hong Kong Observatory was 1006.4 hectopascals at 1533 HKT on 9 March.

天文台於三月二十二日 13 時 51 分及三月二十三日 14 時 1 分錄得本月最高氣溫 28.5 °C。

The maximum air temperature recorded at the Hong Kong Observatory was 28.5 °C at 1351 HKT on 22 March and at 1401 HKT on 23 March.

天文台於三月五日 10 時 5 分錄得本月最低氣溫 16.5 °C。

The minimum air temperature recorded at the Hong Kong Observatory was 16.5 °C at 1005 HKT on 5 March.

京士柏於三月十八日 10 時 57 分錄得本月最高1分鐘平均降雨率 58 毫米/小時。

The maximum 1-minute mean rainfall rate recorded at King's Park was 58 millimetres per hour at 1057 HKT on 18 March.

* 1981-2010 氣候平均值 (除特別列明外) (<http://www.hko.gov.hk/wxinfo/climat/normal/cnormal103.htm>)

* 1981-2010 Climatological normal, unless otherwise specified (<http://www.hko.gov.hk/wxinfo/climat/normal/enormal103.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 二零二零年三月香港氣象觀測摘錄(二)

3.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), March 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
三月 March	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	10.0	20.07	3.8	220	7.1
2	0	-	2.29	2.0	070	36.6
3	0	0.4	8.57	2.0	060	30.8
4	0	-	5.16	1.2	040	23.5
5	0	3.4	10.41	2.3	060	36.2
6	0	1.8	10.88	1.7	070	33.5
7	0	2.2	13.69	1.8	030	13.4
8	0	0.4	6.91	1.3	050	15.5
9	0	1.3	9.06	1.7	050	10.1
10	0	8.5	17.91	5.9	360	28.6
11	0	0.9	7.67	1.9	060	37.3
12	1	-	6.54	0.9	040	23.4
13	0	3.4	14.25	2.5	020	13.6
14	0	7.3	17.53	4.3	360	25.0
15	0	5.4	13.55	3.5	080	23.2
16	0	8.1	19.29	3.8	060	33.2
17	0	0.6	5.84	1.8	040	24.8
18	0	-	3.65	0.6	030	18.1
19	0	0.3	4.92	0.6	020	13.5
20	0	0.2	7.22	1.2	020	17.5
21	0	0.4	5.35	0.6	010	14.9
22	0	9.7	22.25	3.3	020	8.6
23	0	10.7	23.50	5.0	230	15.3
24	0	6.3	18.07	3.9	080	27.1
25	0	4.3	14.15	2.4	070	22.6
26	0	2.9	10.34	1.7	050	15.1
27	0	5.9	15.84	2.1	030	12.0
28	0	1.6	6.47	1.6	070	18.1
29	0	0.2	4.77	0.8	080	43.5
30	1	-	2.94	0.7	030	25.4
31	3	-	3.21	0.6	030	22.0
平均/總值 Mean/Total	5	96.2	10.72	67.5	060	22.2
正常* Normal*	104.1 §	90.8	9.96	70.5	060	23.0
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 [^]		

橫瀾島於三月二十八日 23 時 51 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 2351 HKT on 28 March.

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/cnormal03.htm>)

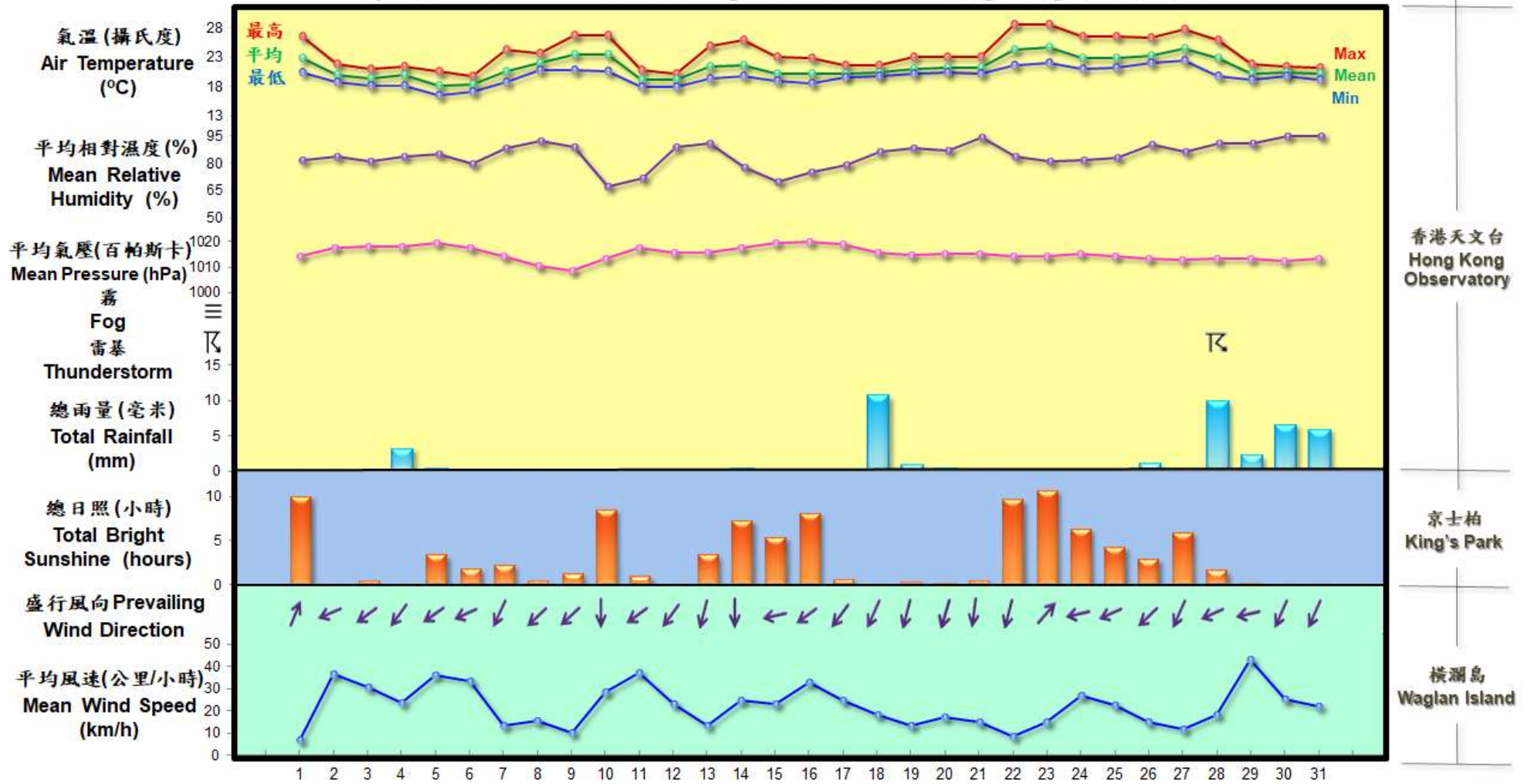
* 1981-2010 Climatological normal, unless otherwise specified (<http://www.hko.gov.hk/wxinfo/climat/normal/enormal03.htm>)

§ 1997-2019 平均值

§ 1997-2019 Mean value

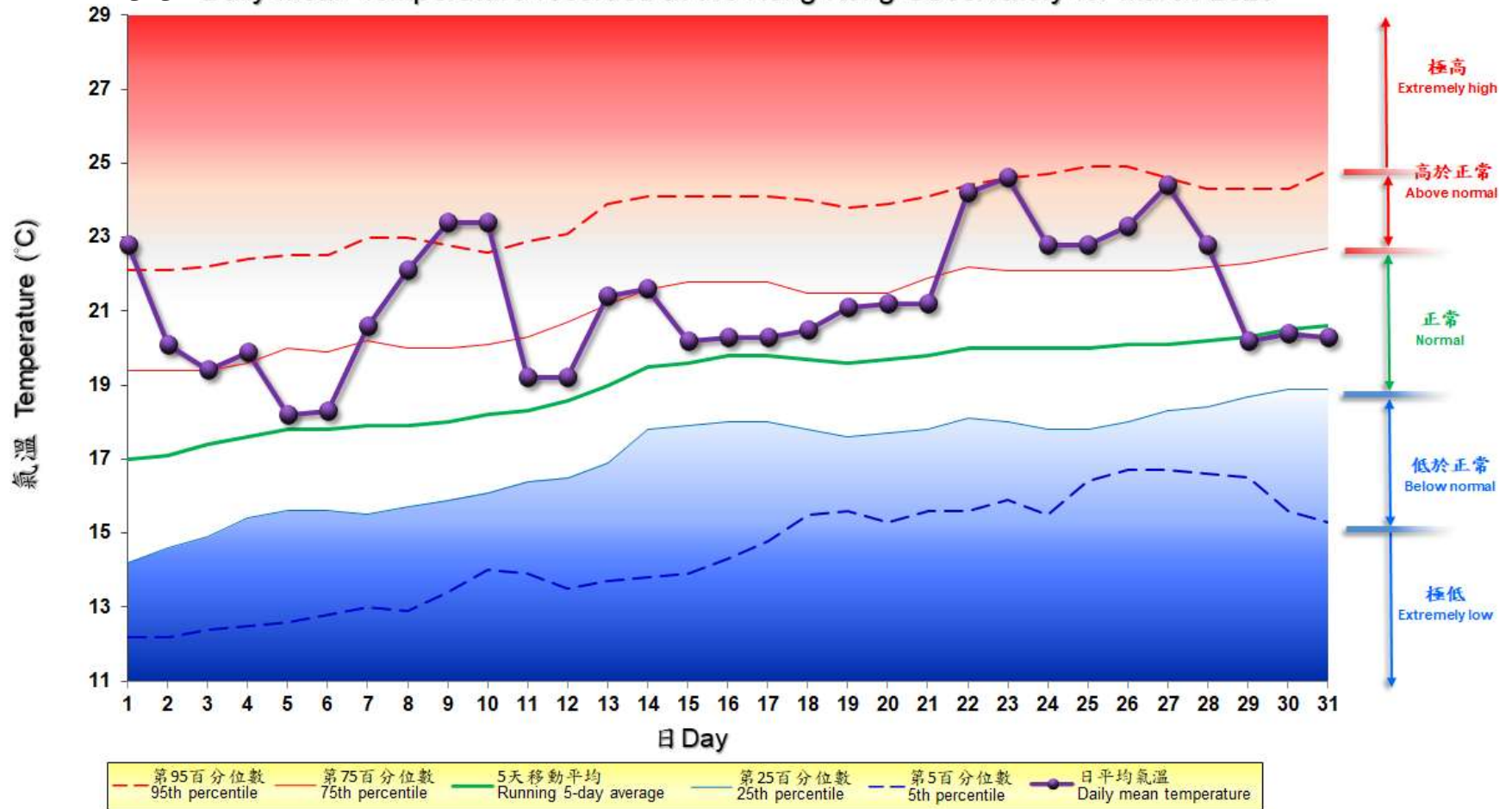
3.2 2020年3月部分香港氣象要素的每日記錄

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



3.3 2020年3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 March 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