

每月天氣摘要

二零二二年一月

Monthly Weather Summary

January 2022

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二零二二年二月出版

香港天文台編製
香港九龍彌敦道134A

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2. 除特別列明外，所有氣象要素數值均在香港天文台錄得。
3. 因惡劣天氣引致的人命傷亡及財物損毀數字是由各政府部門提供或根據報章報導輯錄。



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1. Unless otherwise stated, all times given are 8 hours ahead of Co-ordinated Universal Time (UTC).
2. Values of meteorological elements are those recorded at the Hong Kong Observatory, unless otherwise specified.
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. 二零二二年一月天氣回顧

由於月內大部分時間華南沿岸的東北季候風普遍較正常弱，二零二二年一月香港遠較正常溫暖。全月平均最低氣溫 16.5 度及平均氣溫 18.0 度較各自正常值高 1.9 度及 1.5 度，分別是有記錄以來一月份第四高及第五高。本月亦較正常少雨，全月總雨量為 4.1 毫米，是正常值 33.2 毫米的約百分之 12。

在東北季候風的影響下，本月首日香港大致多雲，下午短暫時間有陽光。隨著雲層轉薄，本港天氣於一月二日轉為普遍天晴，並持續至一月八日。一月五日早上亦有幾陣雨。在陽光充沛的情況下，天文台氣溫於一月五日及六日下午上升至全月最高的 23.6 度。

由於一道雲帶覆蓋華南，一月九日至十日本港雲量增多。隨著一股東北季候風補充的抵達，一月十一日早上天氣較涼及有幾陣雨，而日間轉為天晴。受覆蓋廣東沿岸的雲帶影響，一月十二日至十三日本港天氣轉為大致多雲。在一股清勁至強風程度的偏東氣流影響下，一月十四日及翌日早上本港多雲及部分地區能見度頗低。一月十五日至十六日偏東氣流逐漸緩和，本港日間部分時間有陽光。

隨著一道雲帶覆蓋華南及受東北季候風影響，一月十七日至十八日本港大致多雲。一月十八日早上亦有幾陣雨。隨著雲帶轉薄，本港天氣於隨後兩日轉為普遍天晴及早上清涼。受一股清勁至強風程度的偏東氣流影響，一月二十一日至二十三日本港大致多雲及有幾陣雨。受東北季候風影響，一月二十四日本港仍然大致多雲、有幾陣雨及薄霧。在一股清勁的偏東氣流影響下，一月二十五日至二十九日本港大致多雲、短暫時間有陽光及有幾陣雨。一月二十八日亦有薄霧。一道冷鋒於一月二十九日晚間橫過廣東沿岸地區。受與其相關的冬季季候風影響，本港天氣於一月三十日轉為寒冷及部分時間有陽光。天文台氣溫於當日早上下降至全月最低的 13.2 度。本月最後一日本港多雲，天氣相當清涼。

本月沒有熱帶氣旋在南海及北太平洋西部出現。

本月沒有航機因惡劣天氣須轉飛其他地方。表 1.1 載列一月份發出及取消各種警告／信號的詳情。

1. The Weather of January 2022

With the northeast monsoon over the south China coast generally weaker than normal for most of the time in the month, January 2022 was much warmer than usual in Hong Kong. The monthly mean minimum temperature of 16.5 degrees and monthly mean temperature of 18.0 degrees were 1.9 degrees and 1.5 degrees above their corresponding normals and respectively the fourth and fifth highest on record for January. The month was also drier than usual with a total rainfall of 4.1 millimetres, about 12 percent of the normal of 33.2 millimetres.

Under the influence of the northeast monsoon, the weather of Hong Kong was mainly cloudy with sunny intervals in the afternoon on the first day of the month. With clouds thinning out, local weather became generally fine on 2 January and remained so till 8 January except for a few rain patches on the morning of 5 January. With plenty of sunshine, the temperature at the Observatory rose to a maximum of 23.6 degrees on the afternoons of 5 and 6 January, the highest of the month.

As a cloud band spreading over southern China, local weather became cloudier on 9 and 10 January. With the arrival of a replenishment of the northeast monsoon, it was cooler with a few rain patches on the morning of 11 January and the weather turned fine during the day. Affected by the cloud band over the coast of Guangdong, the weather of Hong Kong became mainly cloudy on 12 – 13 January. With the setting in of a fresh to strong easterly airstream, it was cloudy with rather low visibility in some areas on 14 January and the next morning. The easterly airstream moderated gradually on 15 – 16 January and there were sunny periods during the day.

Under the influence of the northeast monsoon and with a band of clouds covering southern China, the weather of Hong Kong was mainly cloudy on 17 – 18 January. There were also a few rain patches on the morning of 18 January. With the cloud band thinning out, local weather turned generally fine with cool mornings in the next two days. Under the influence of a fresh to strong easterly airstream, it was mainly cloudy with a few rain patches on 21 – 23 January. Affected by the northeast monsoon, the weather remained mainly cloudy with a few rain and mist patches on 24 January. With the prevalence of a fresh easterly airstream, the weather of Hong Kong was mainly cloudy with sunny intervals and a few rain patches on 25 – 29 January. It was also misty on 28 January. A cold front moved across the coastal areas of Guangdong on the night of 29 January. Under the influence of the associated winter monsoon, the weather of Hong Kong became cold with sunny periods on 30 January. The temperature at the Observatory dropped to a minimum of 13.2 degrees on that morning, the lowest of the month. It was cloudy and rather cool on the last day of the month.

There was no tropical cyclone over the South China Sea and the western North Pacific in January 2022.

During the month, no aircraft was diverted due to adverse weather. Details of issuance and cancellation of various warnings/signals in January are summarized in Table 1.1.

表 1.1 二零二二年一月發出的警告及信號
Table 1.1 Warnings and Signals issued in January 2022

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	1/1	0600	2/1	1800
黃色 Yellow	9/1	1145	9/1	1900
黃色 Yellow	30/1	0745	30/1	2245

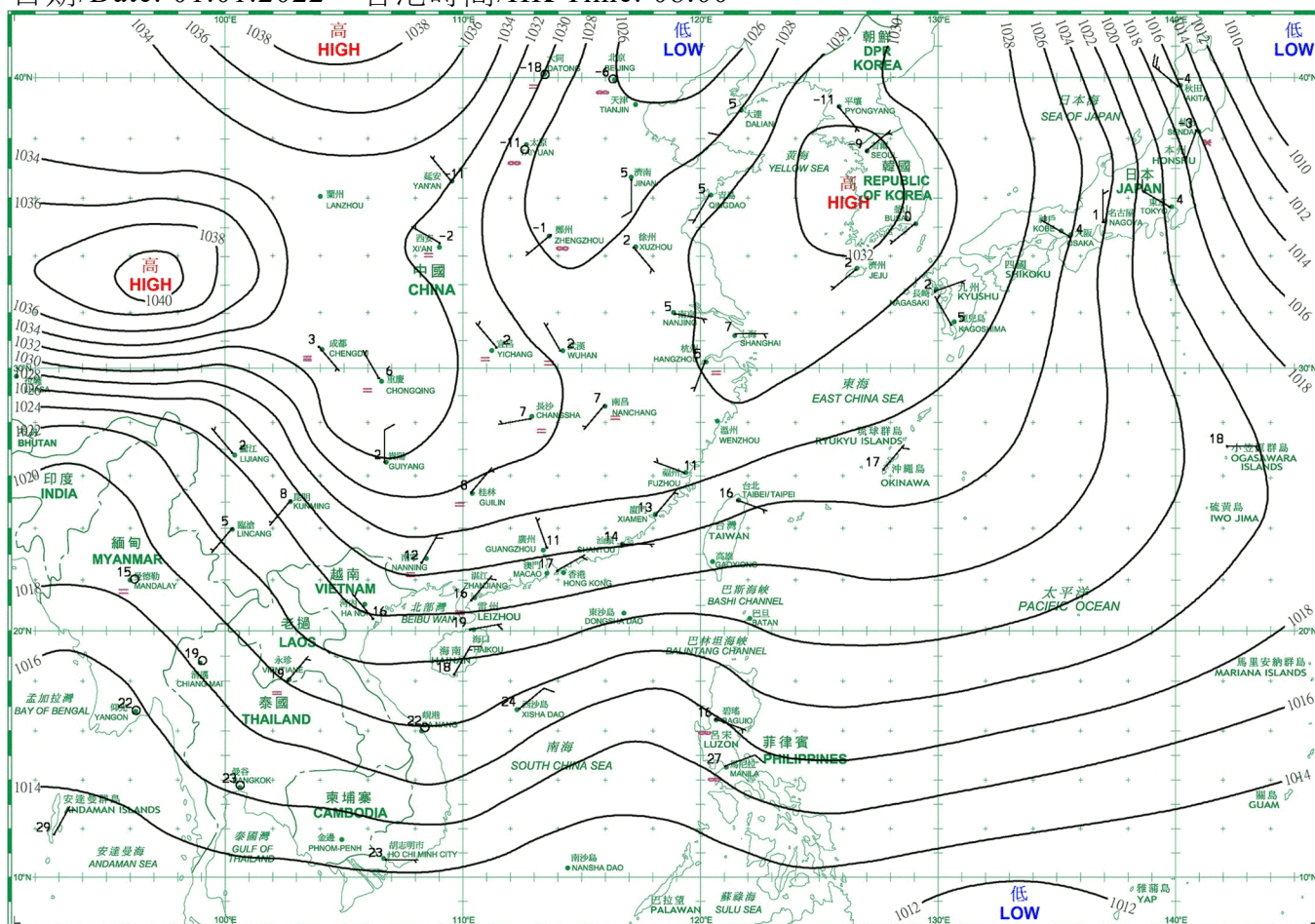
寒冷天氣警告

Cold Weather Warning

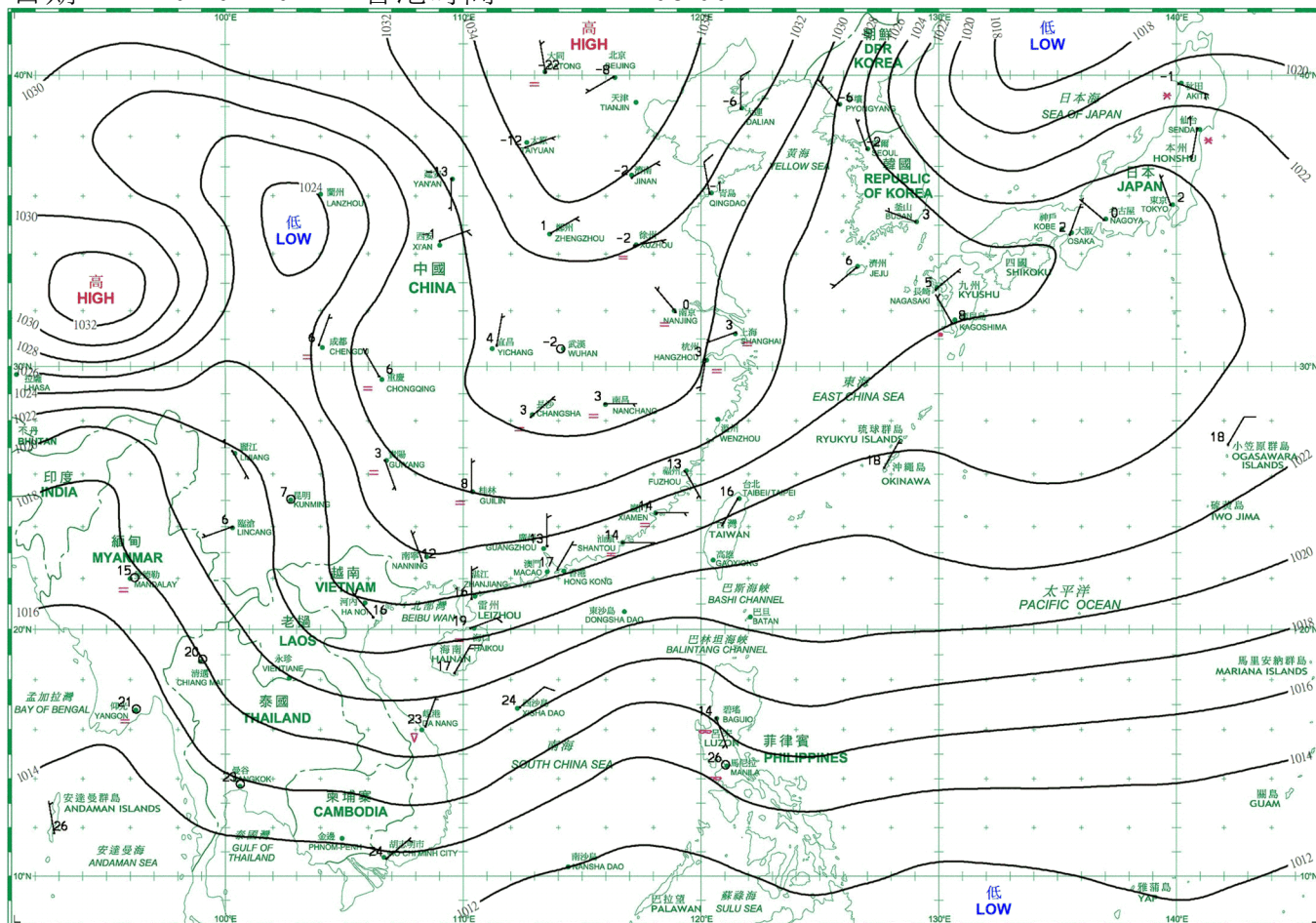
開始時間 Beginning Time		終結時間 Ending Time	
日/月 day/month	時 hour	日/月 day/month	時 hour
29/1	1620	5/2	0945

2. 二零二二年一月每日天氣圖 Daily Weather Maps for January 2022

日期/Date: 01.01.2022 香港時間/HK Time: 08:00

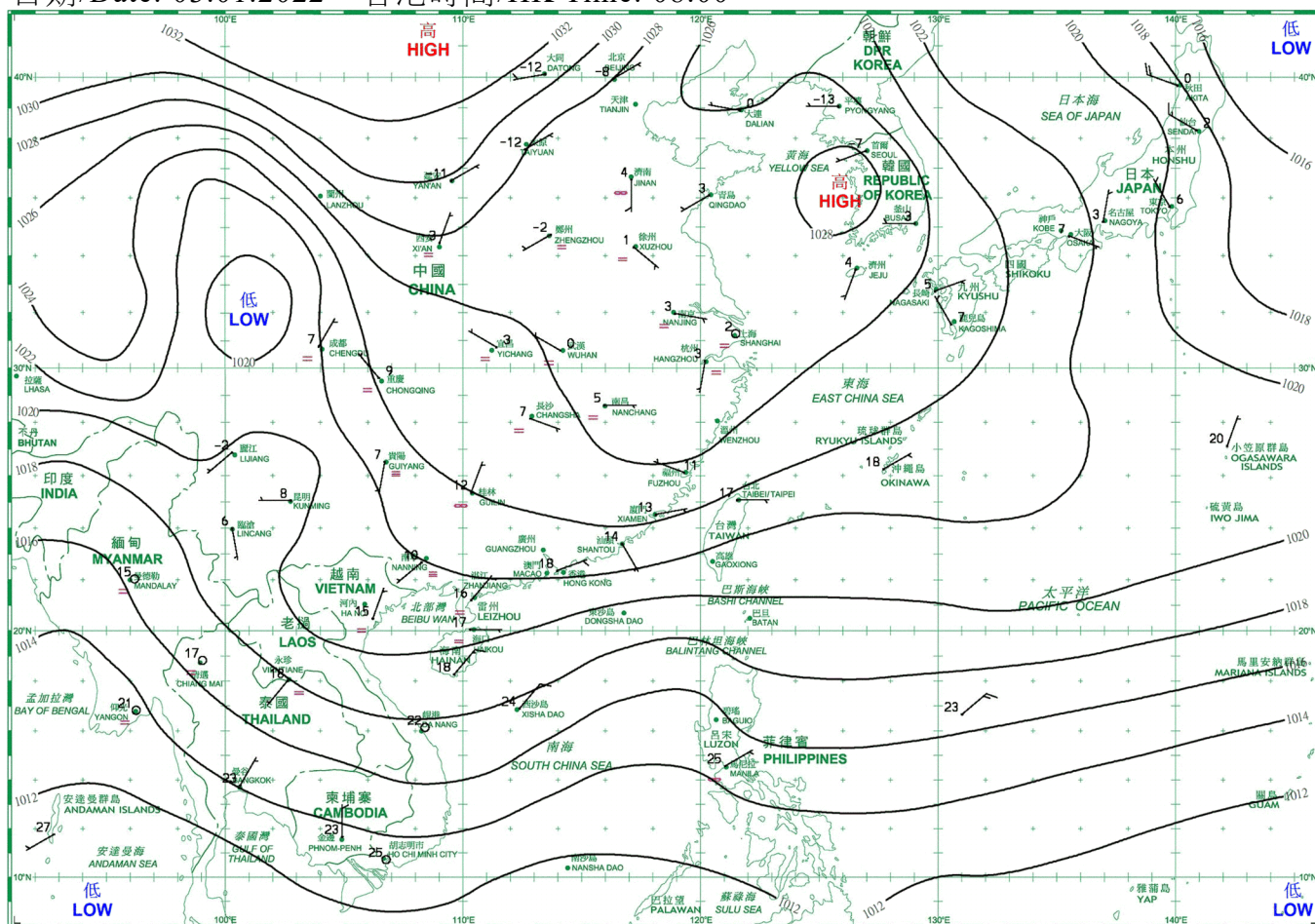


日期/Date: 02.01.2022 香港時間/HK Time: 08:00

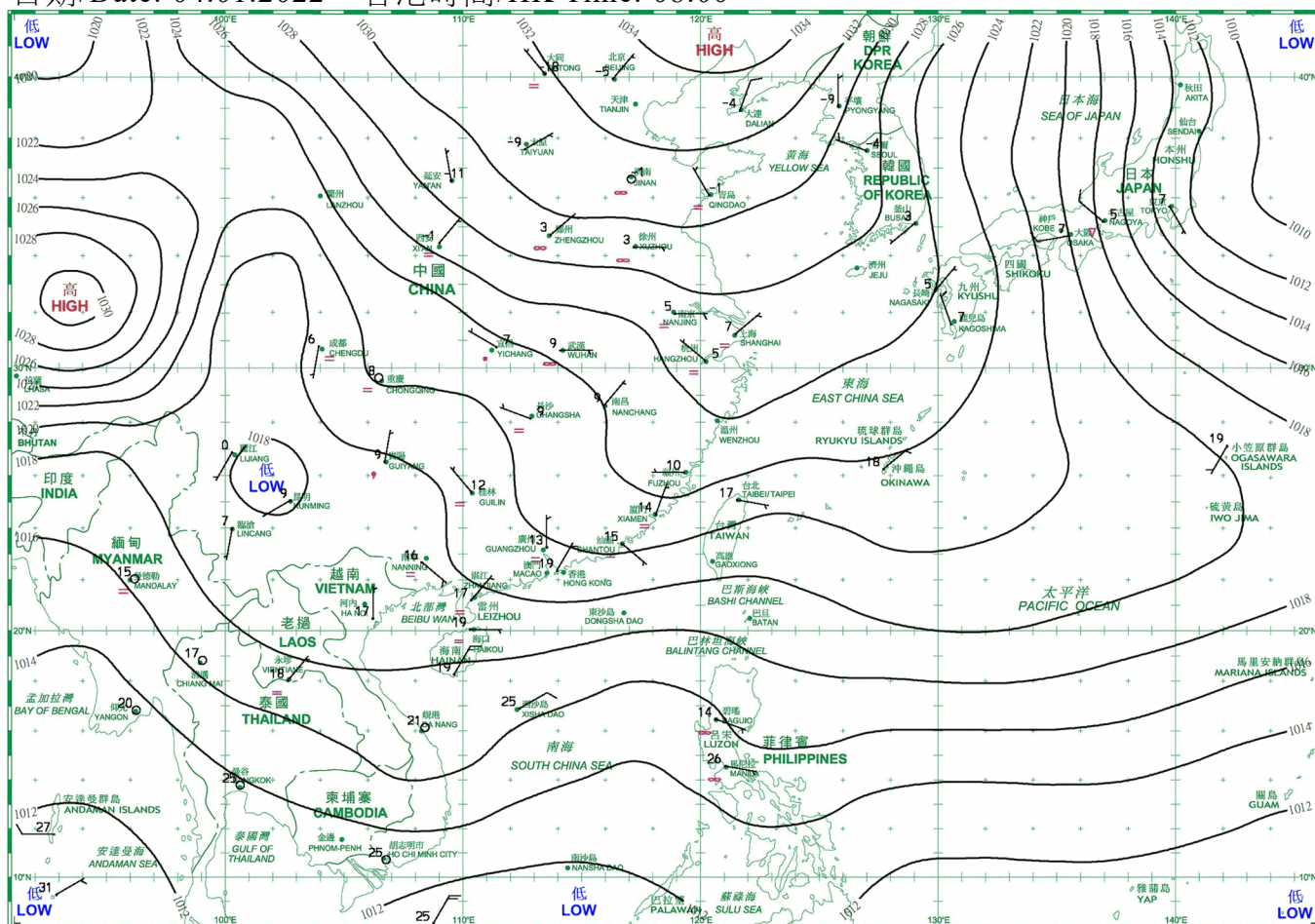


等壓線 Isobar(hPa) 暖鋒 Warm Front 靜止鋒 Stationary Front 消散中的冷鋒 Dissipating Cold Front
 冷鋒 Cold Front 錮囚鋒 Occlusion 槽軸 (線) Axis of Trough 熱帶氣旋中心 Centre of Tropical Cyclone

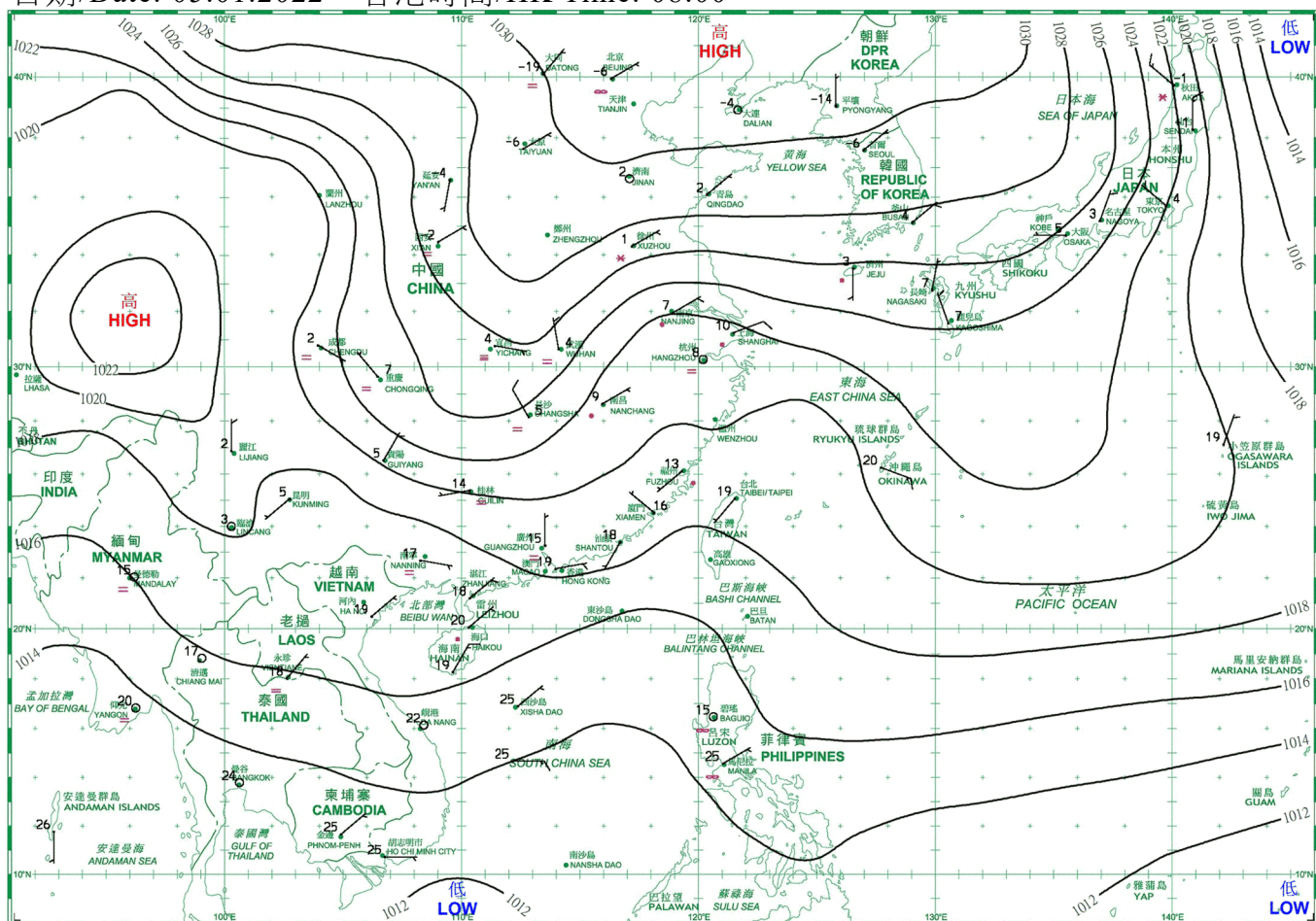
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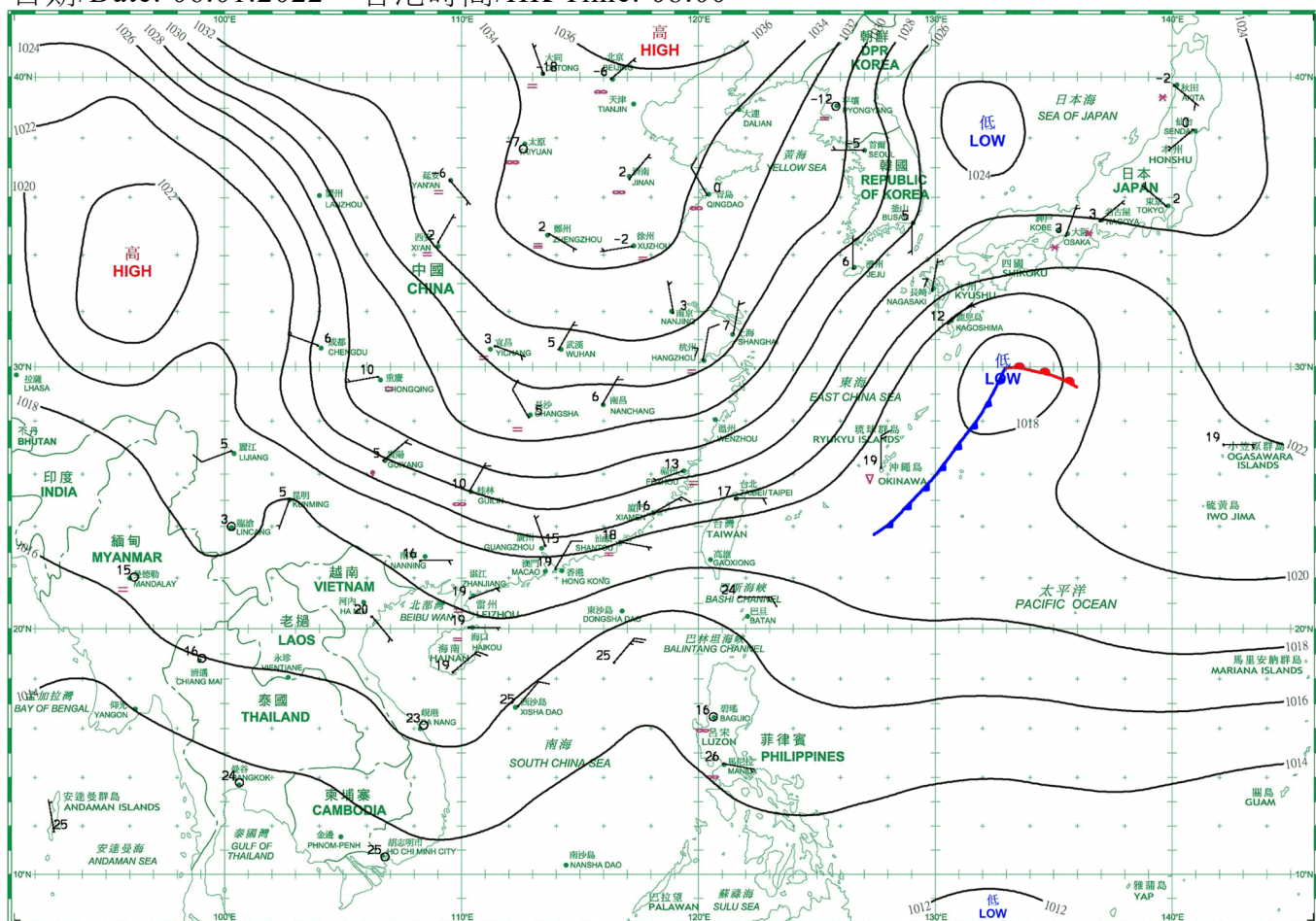
日期/Date: 04.01.2022 香港時間/HK Time: 08:00



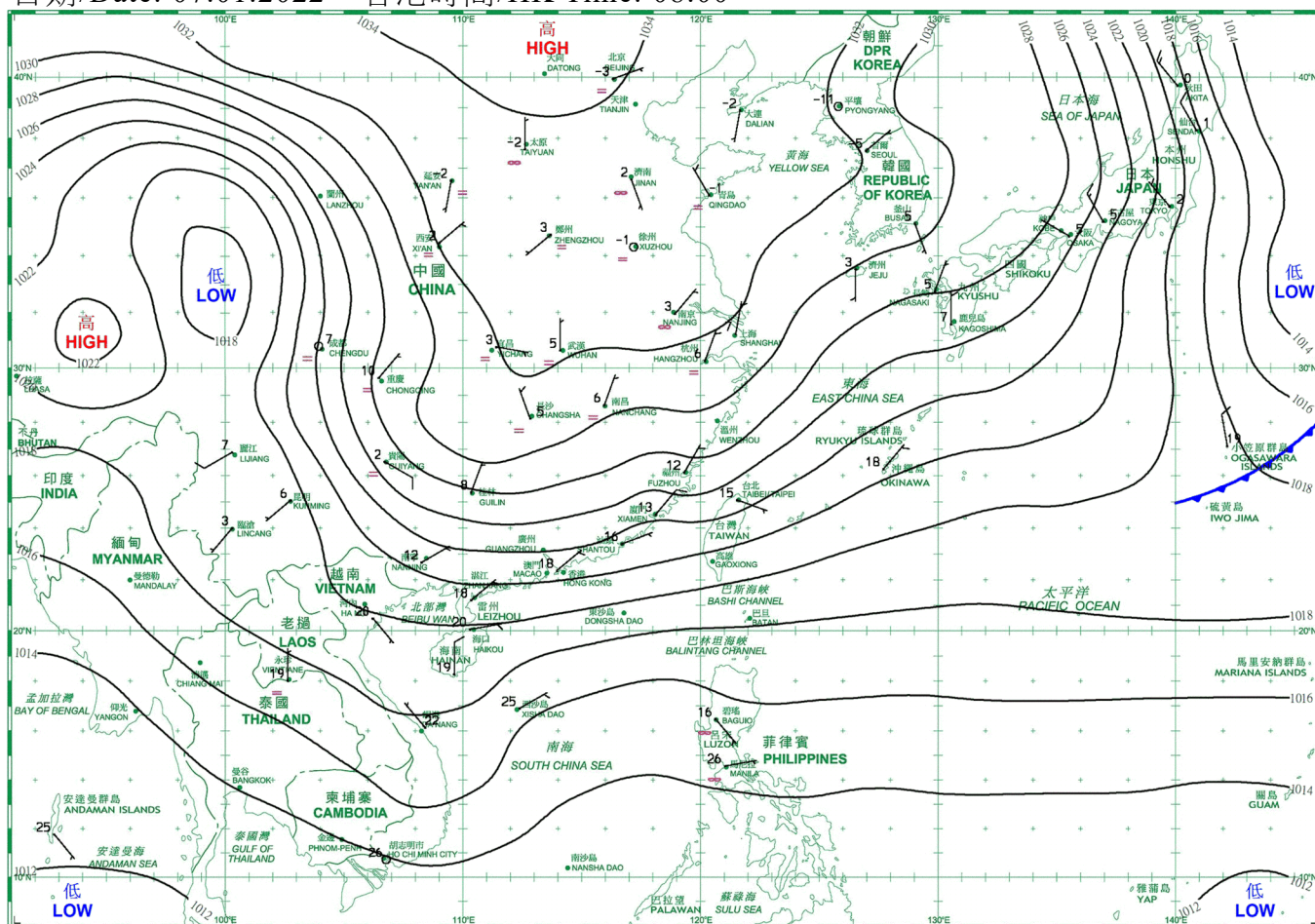
日期/Date: 05.01.2022 香港時間/HK Time: 08:00



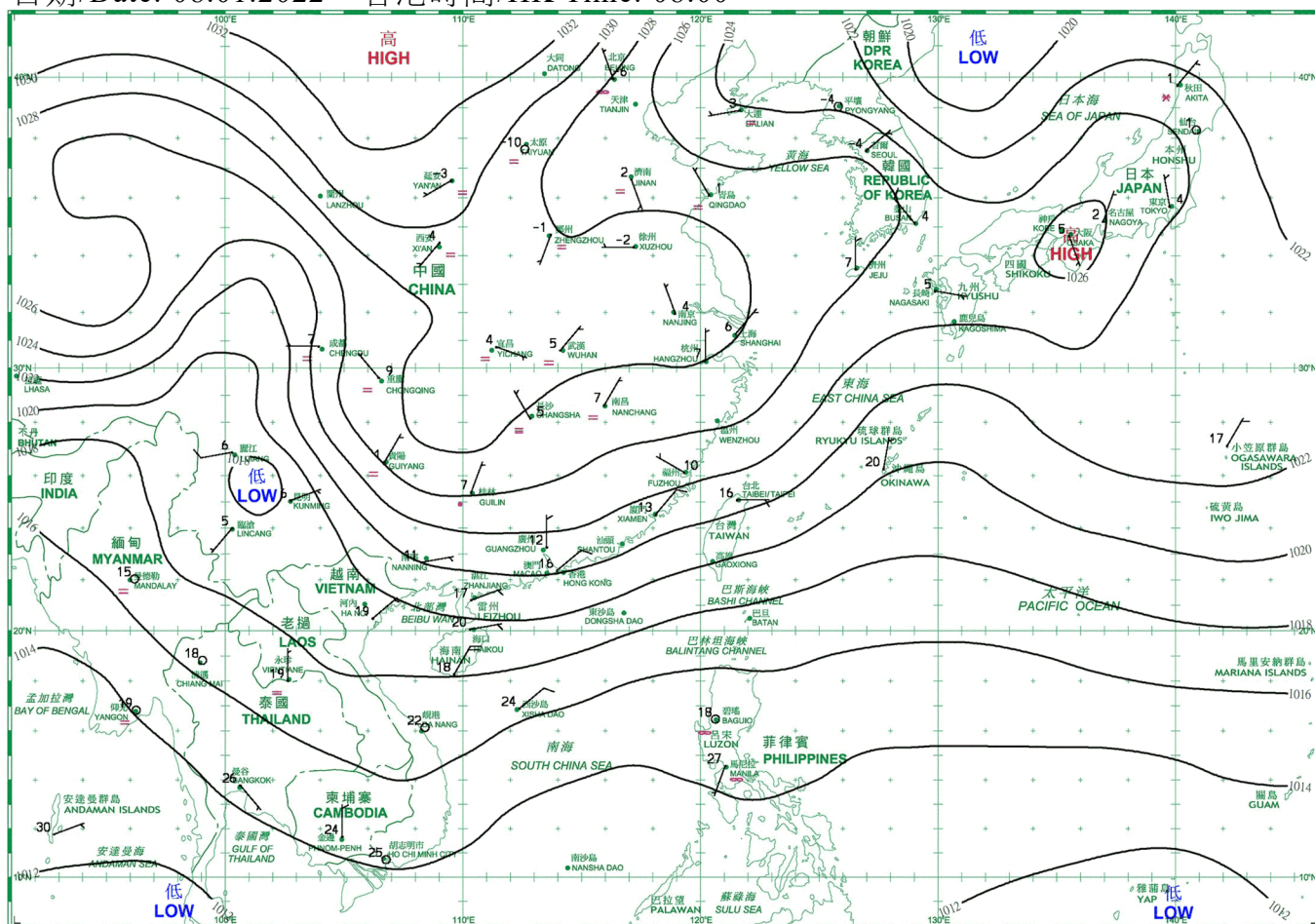
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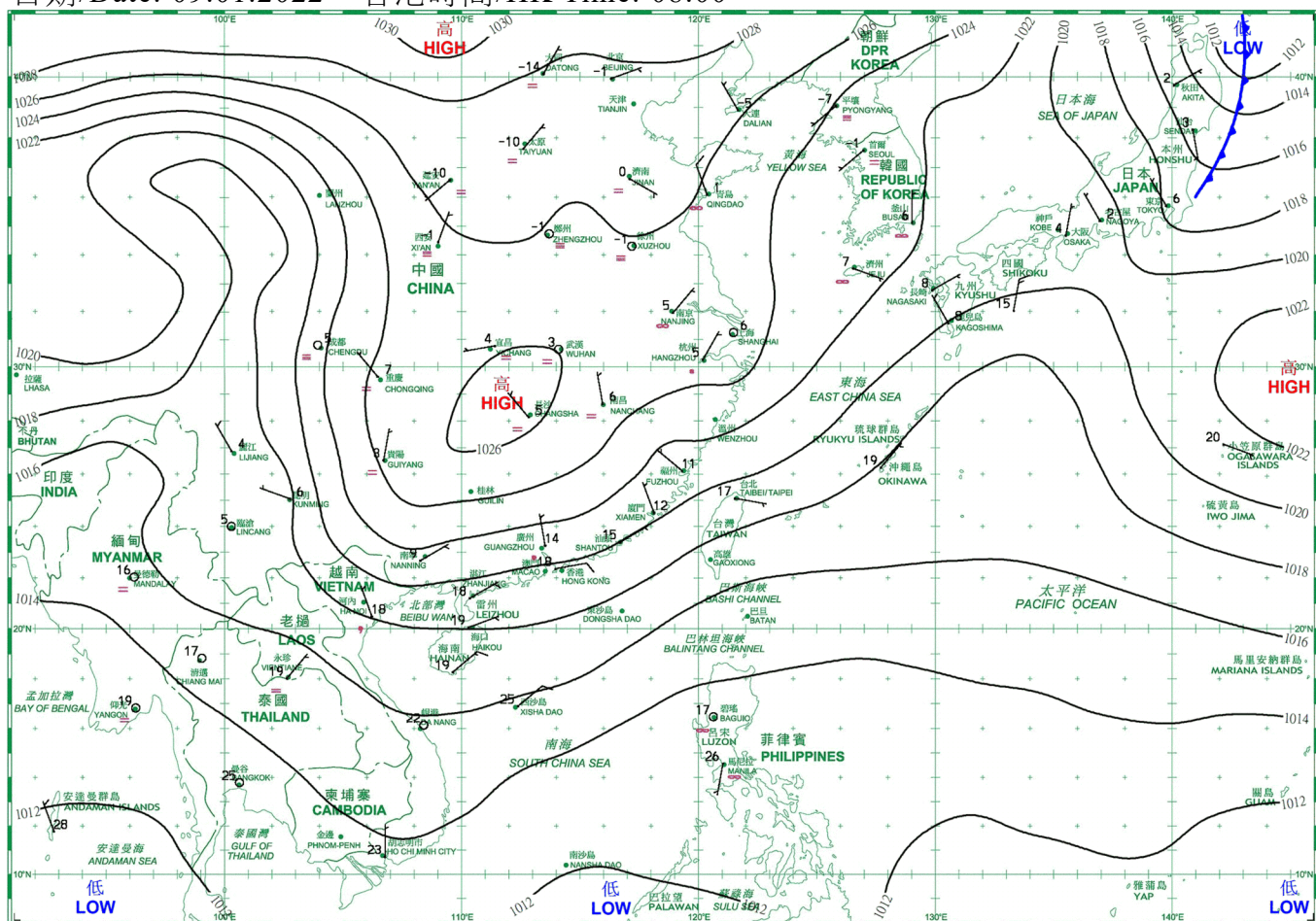
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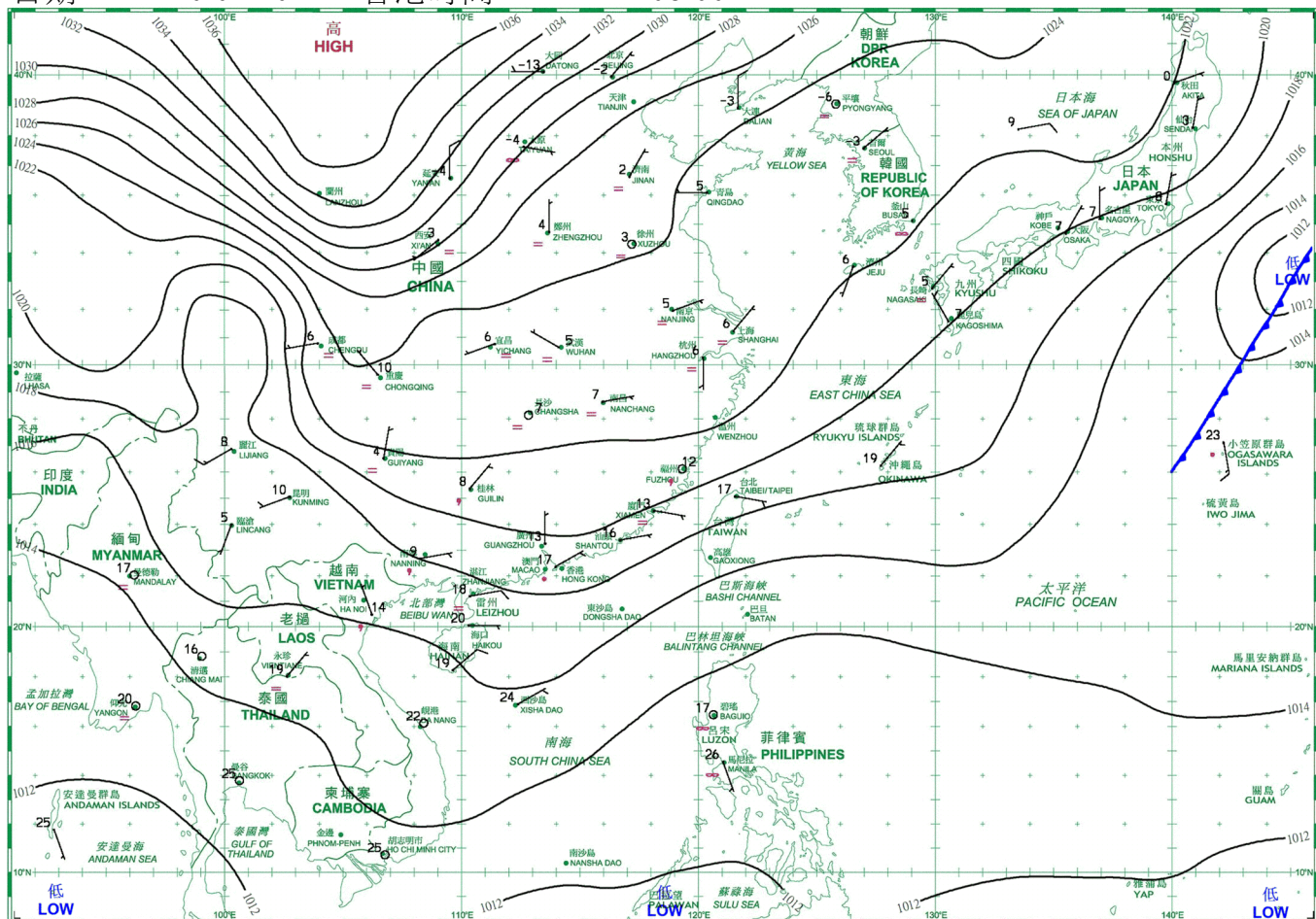
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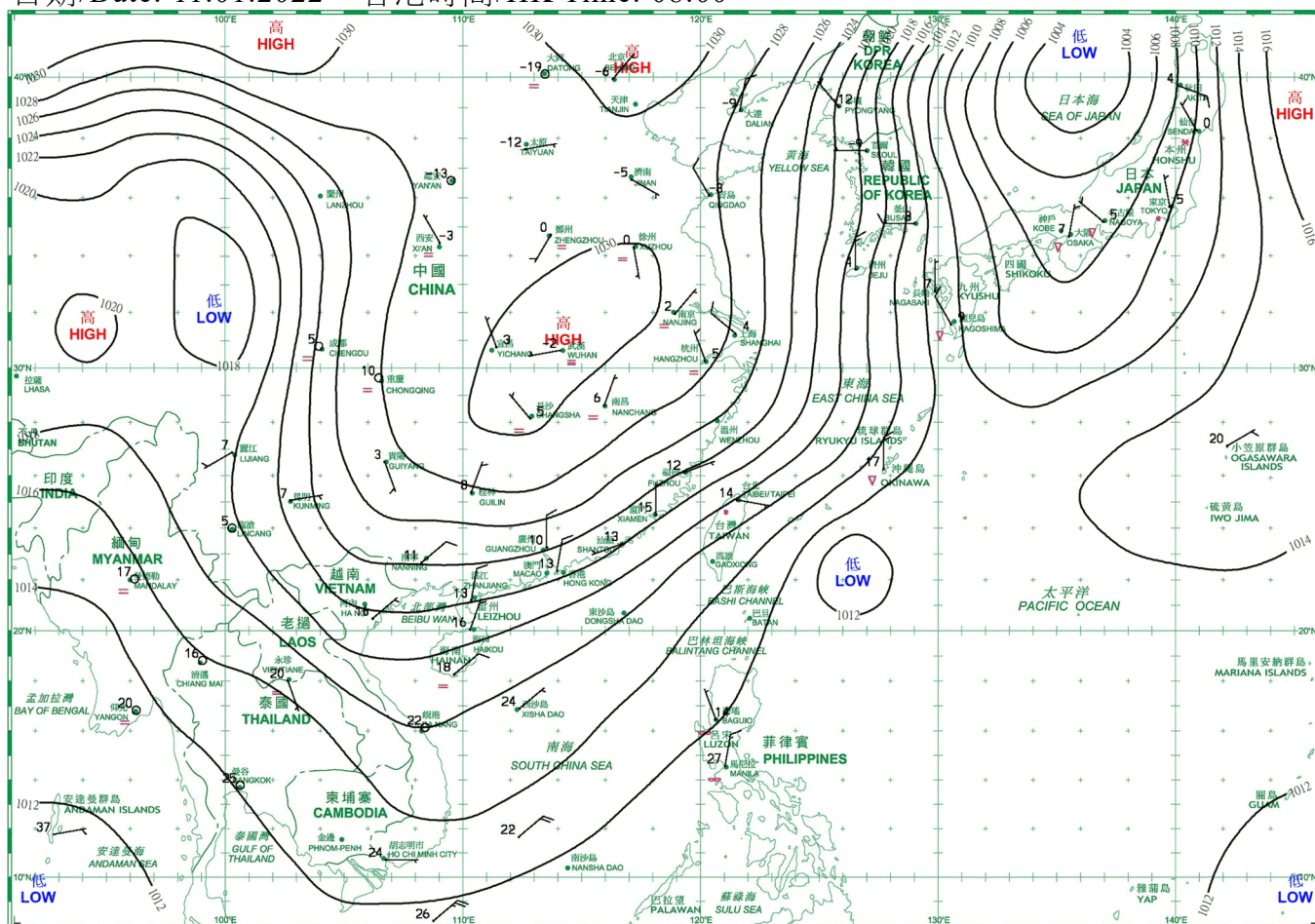
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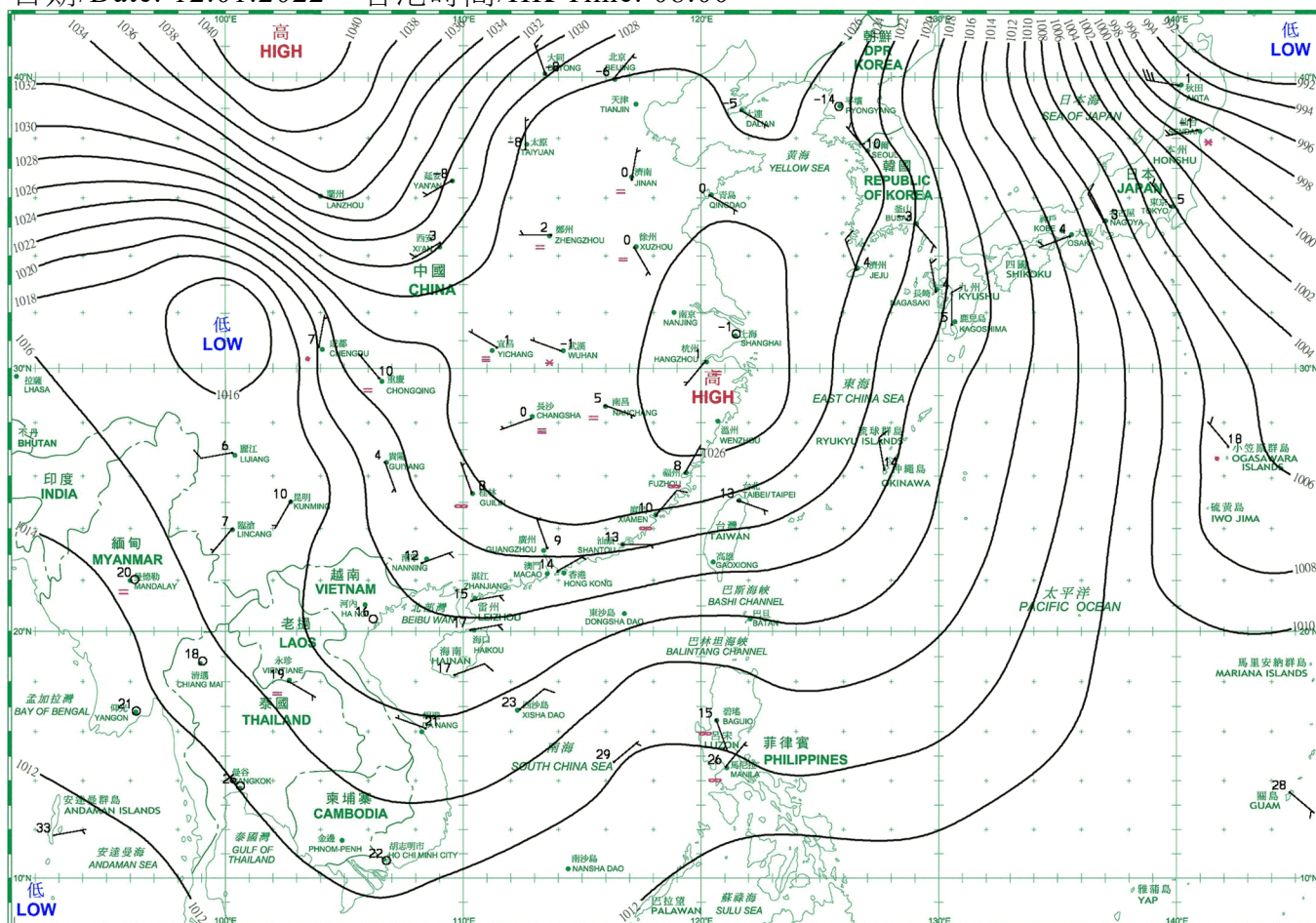
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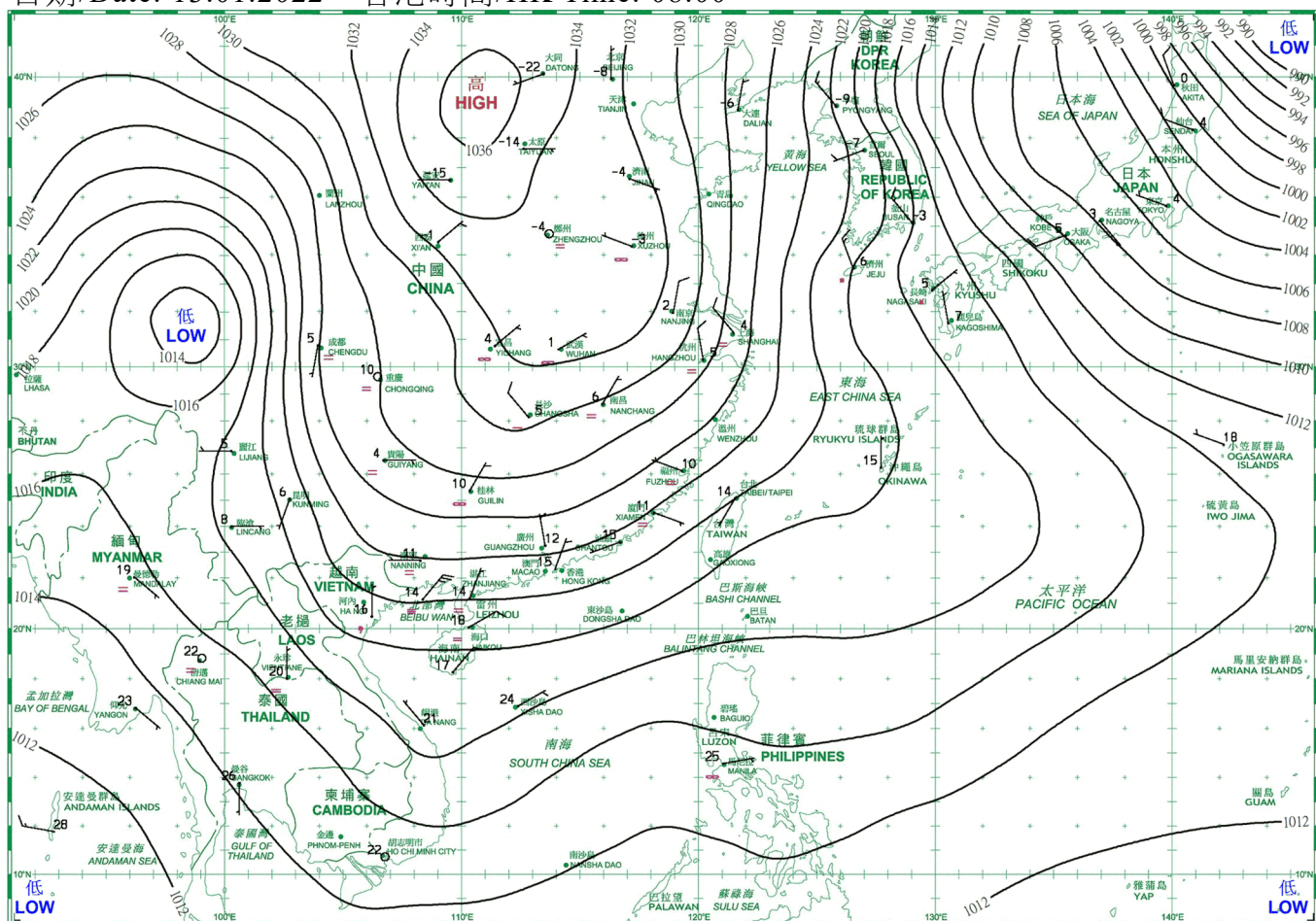
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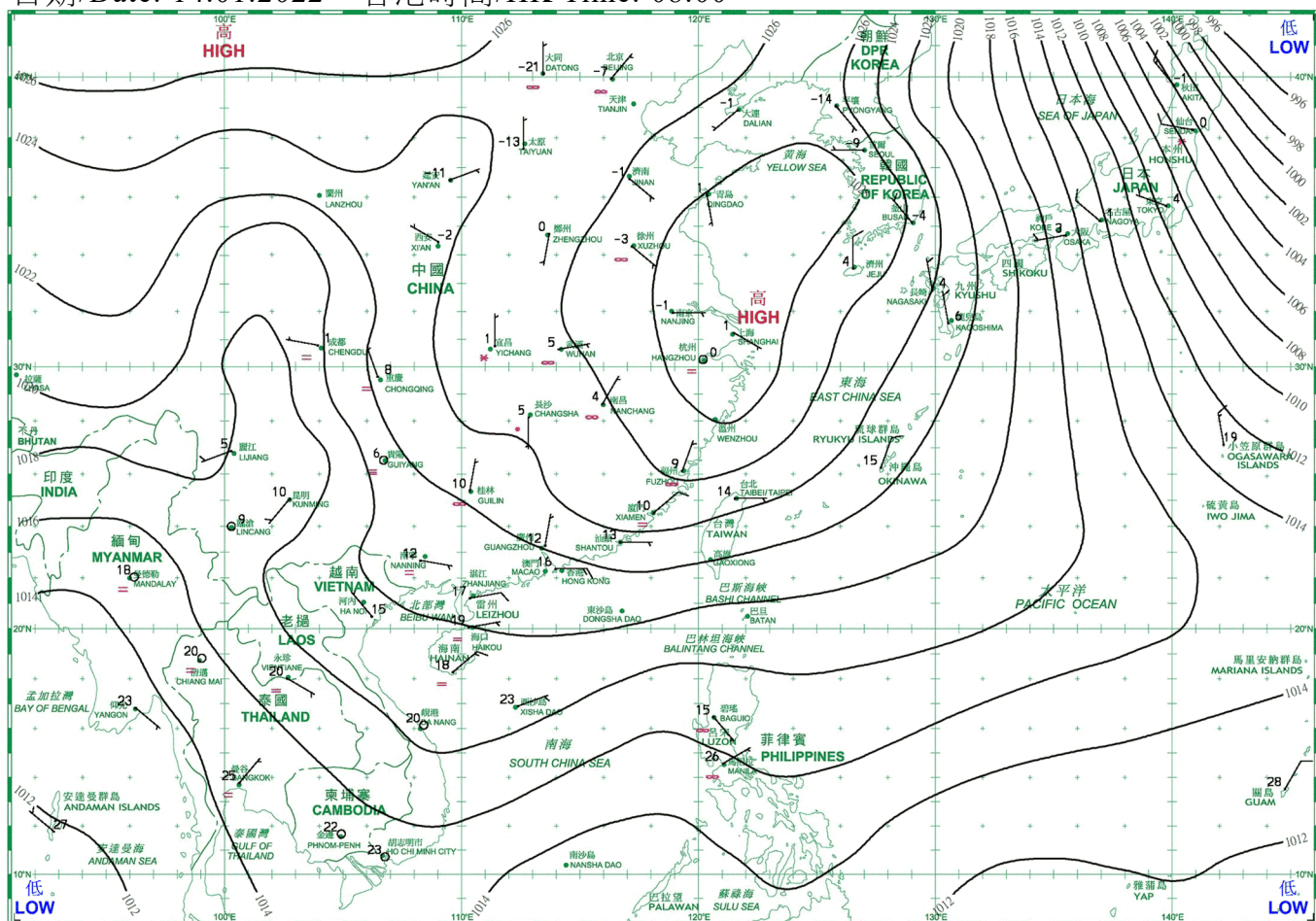
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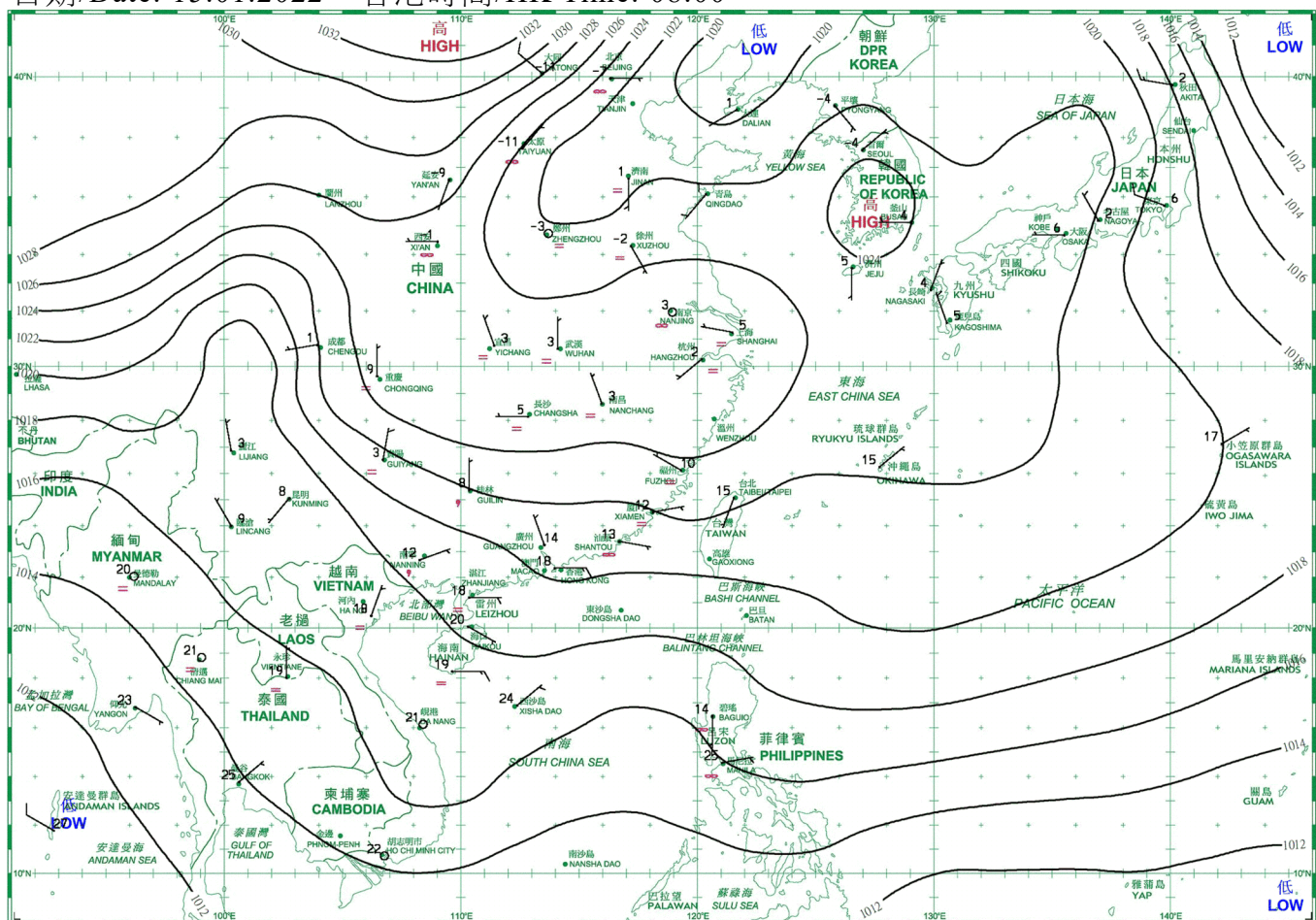
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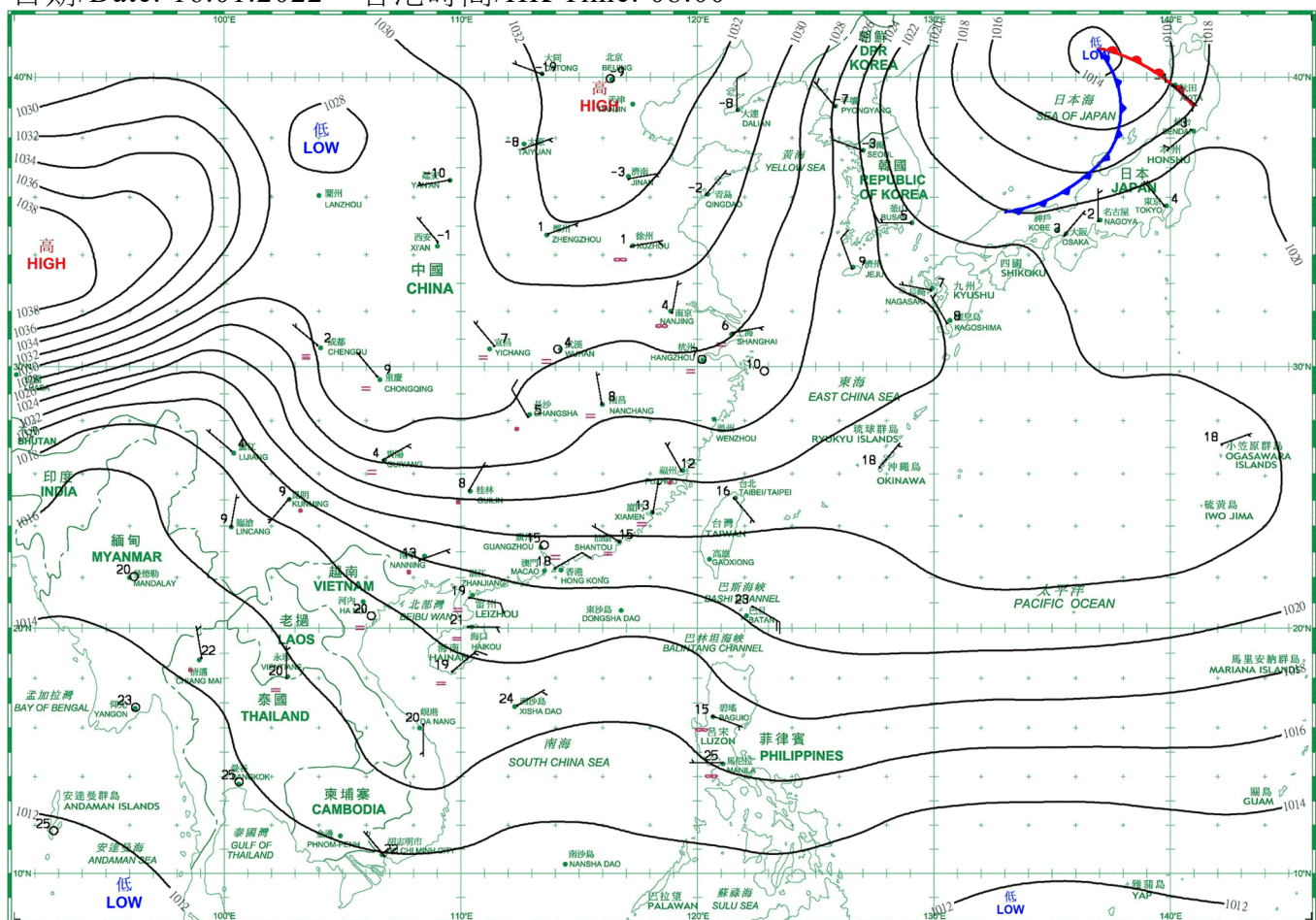
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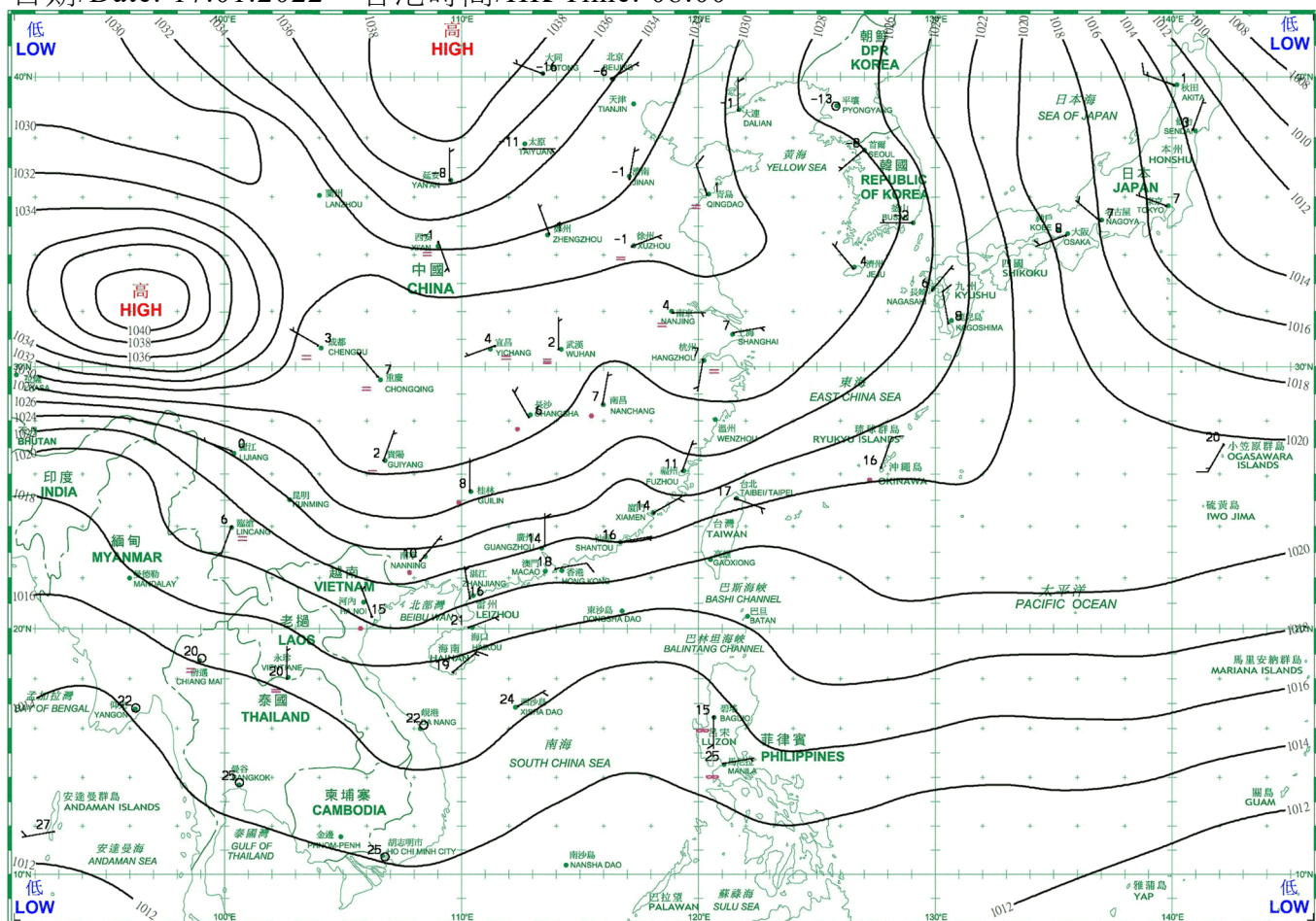
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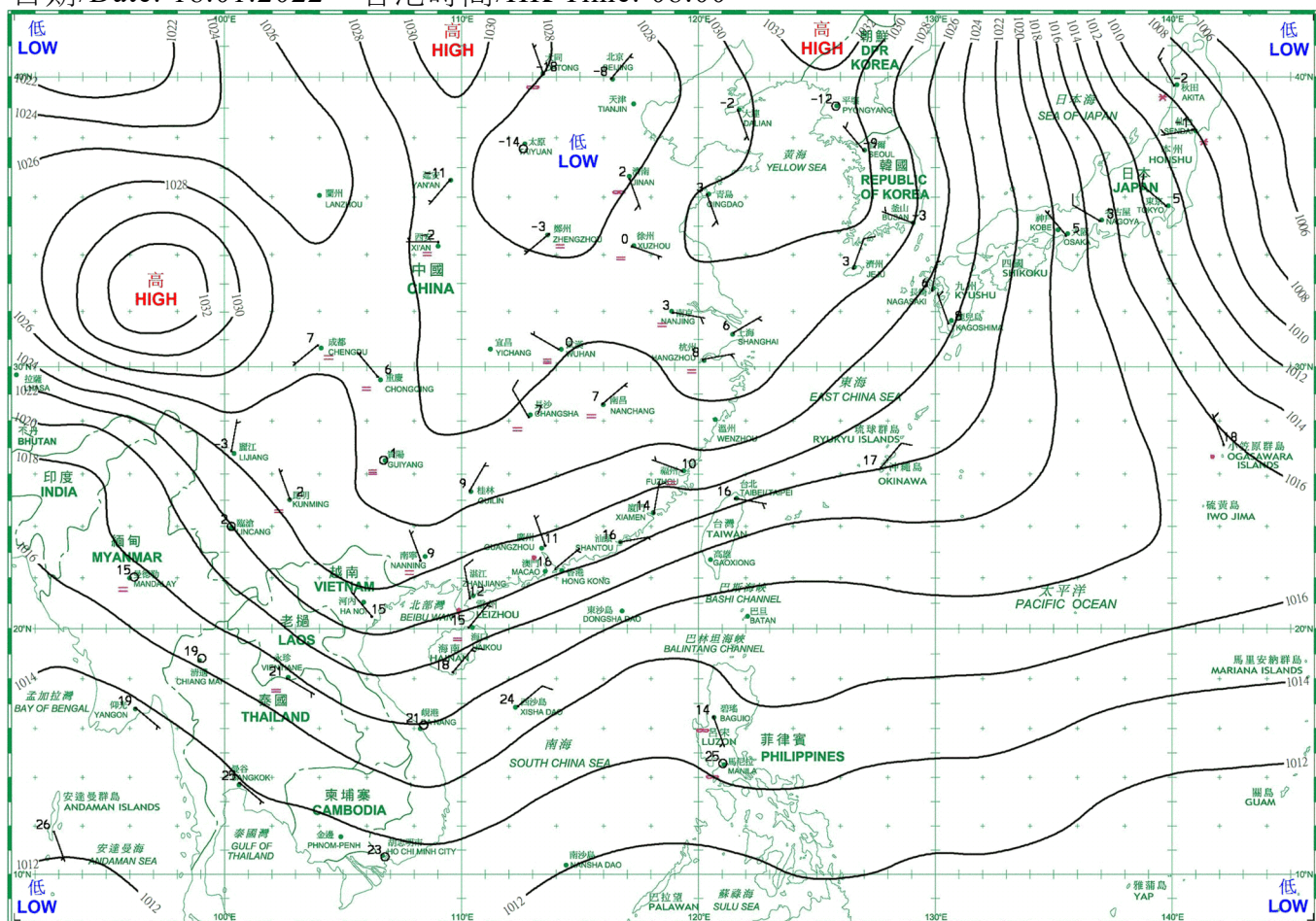
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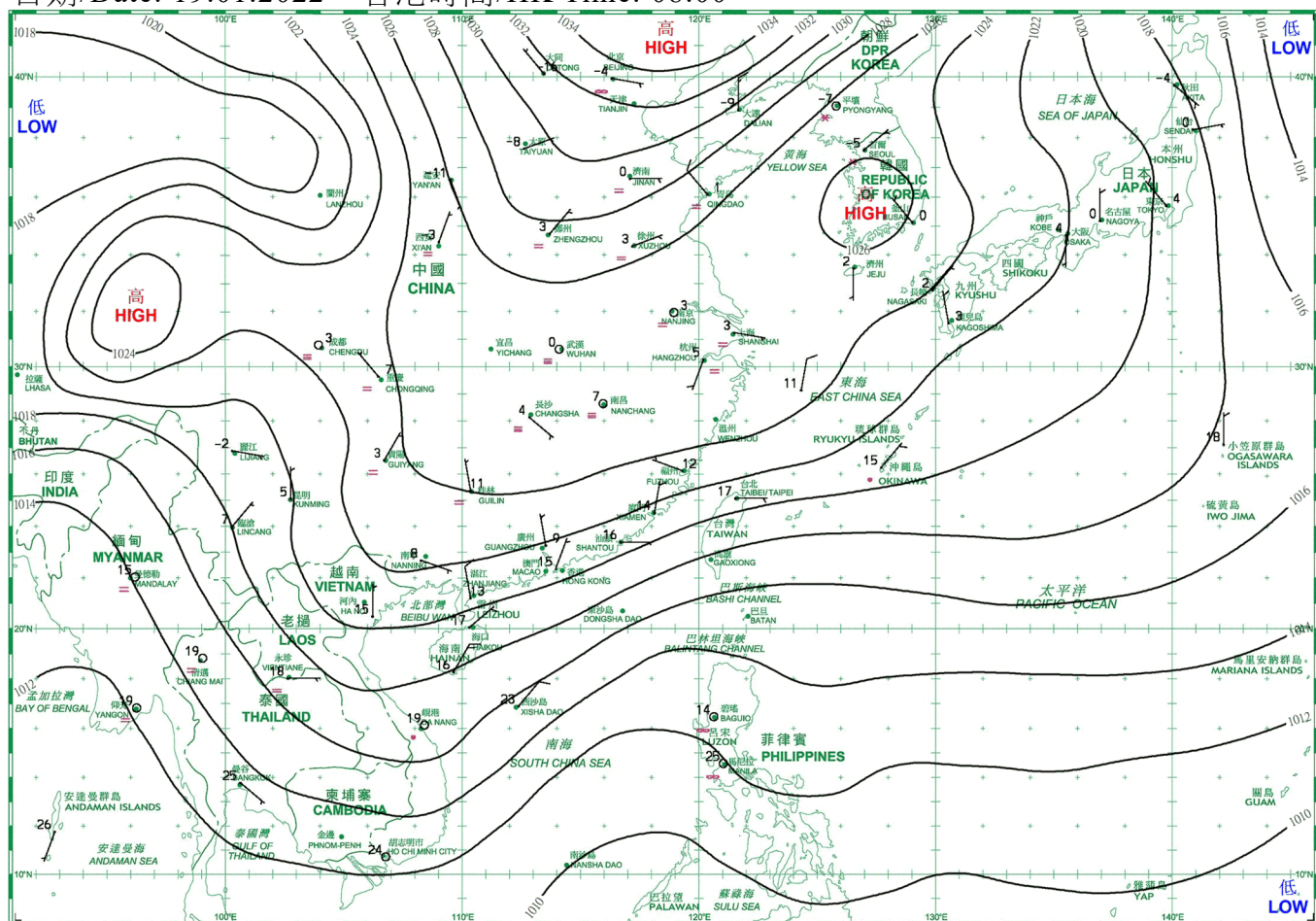
日期/Date: 17.01.2022 香港時間/HK Time: 08:00



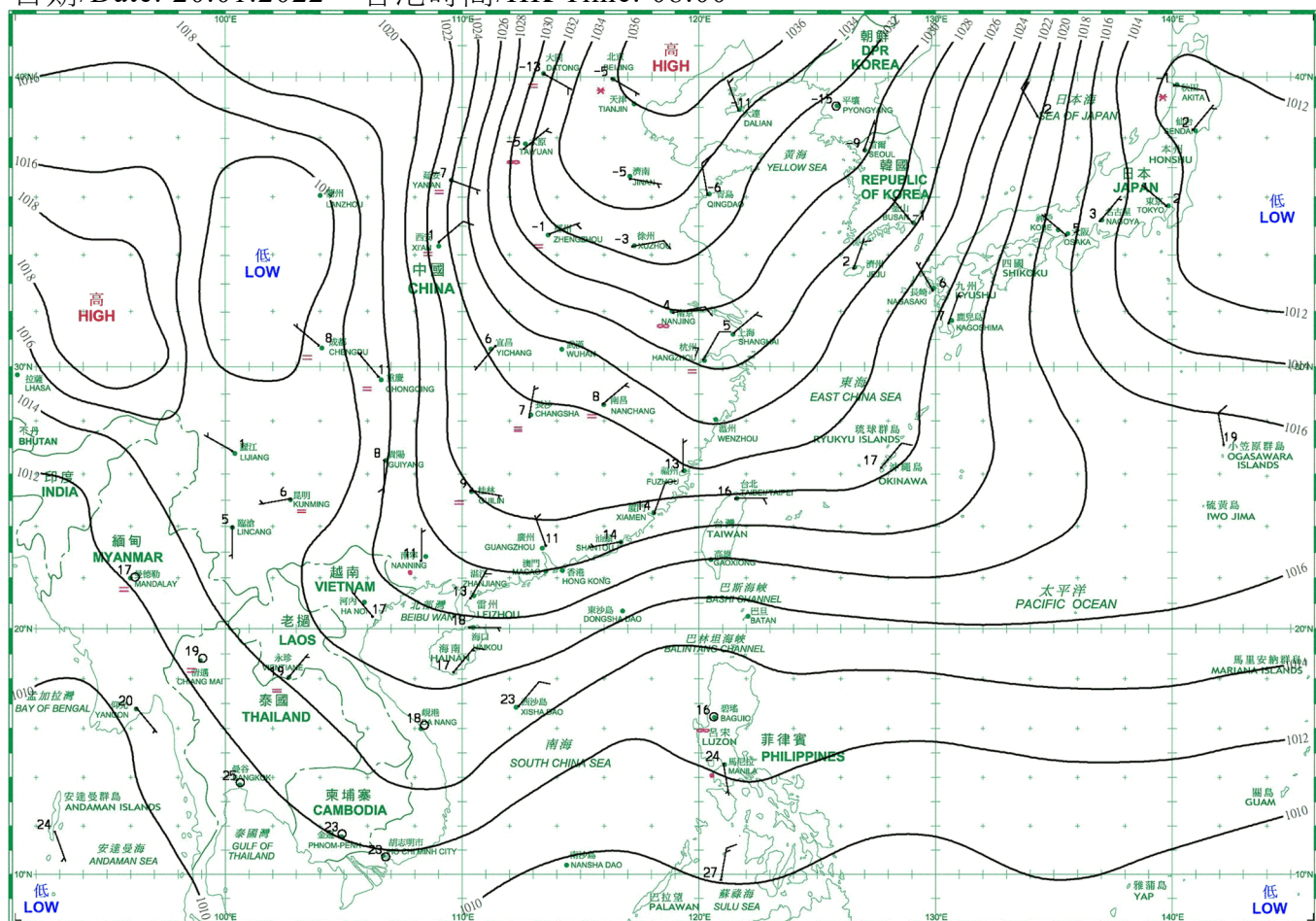
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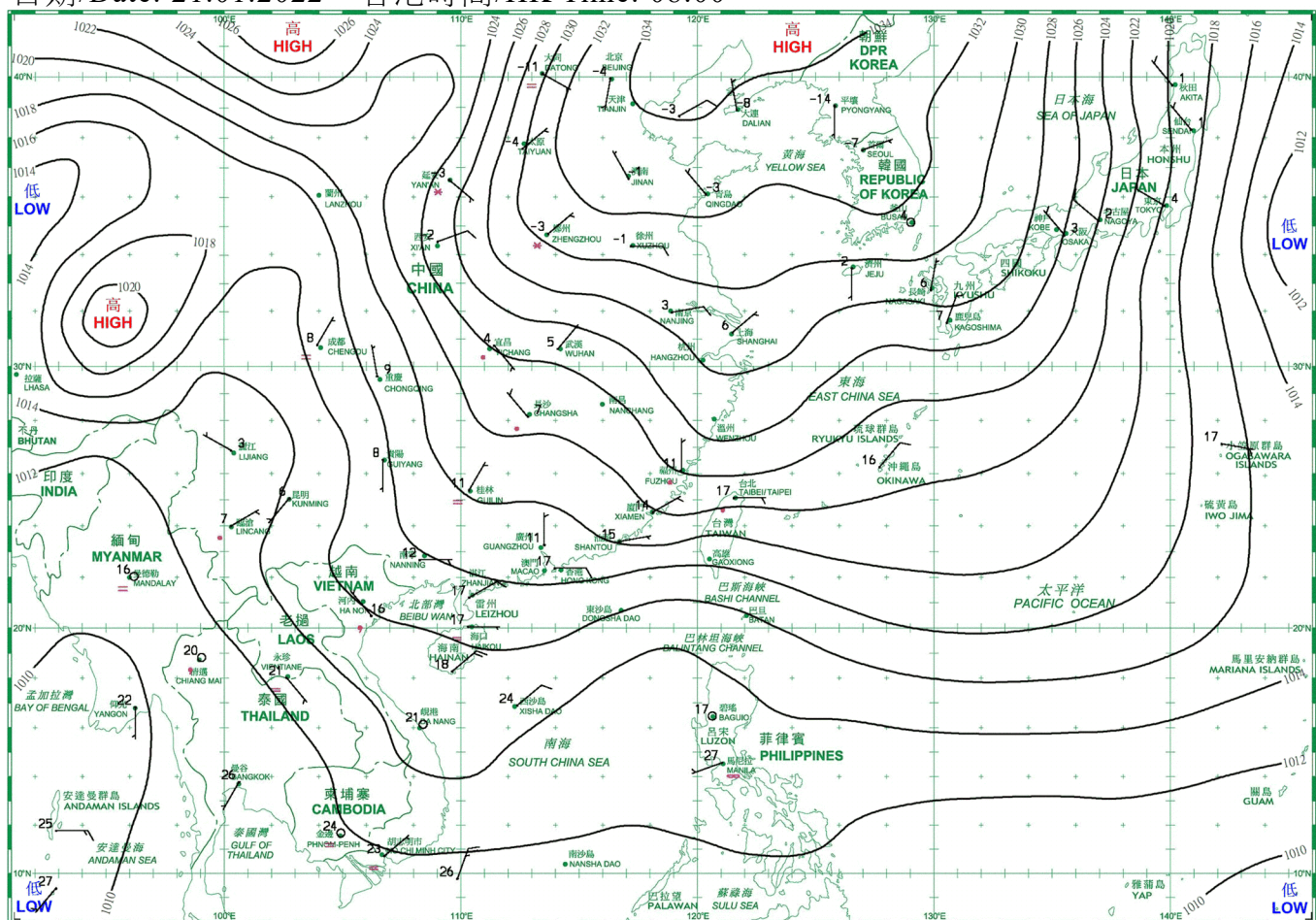
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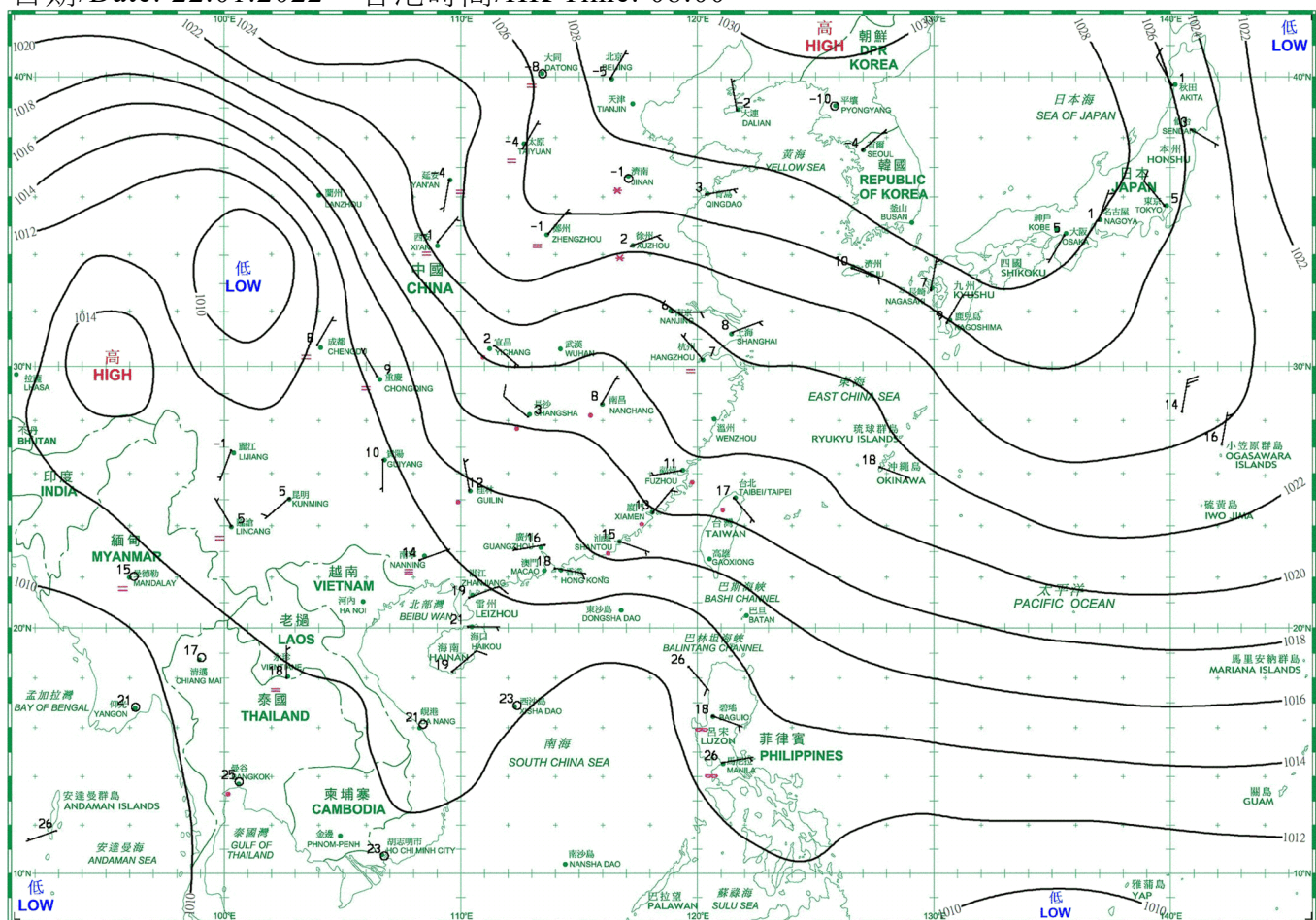
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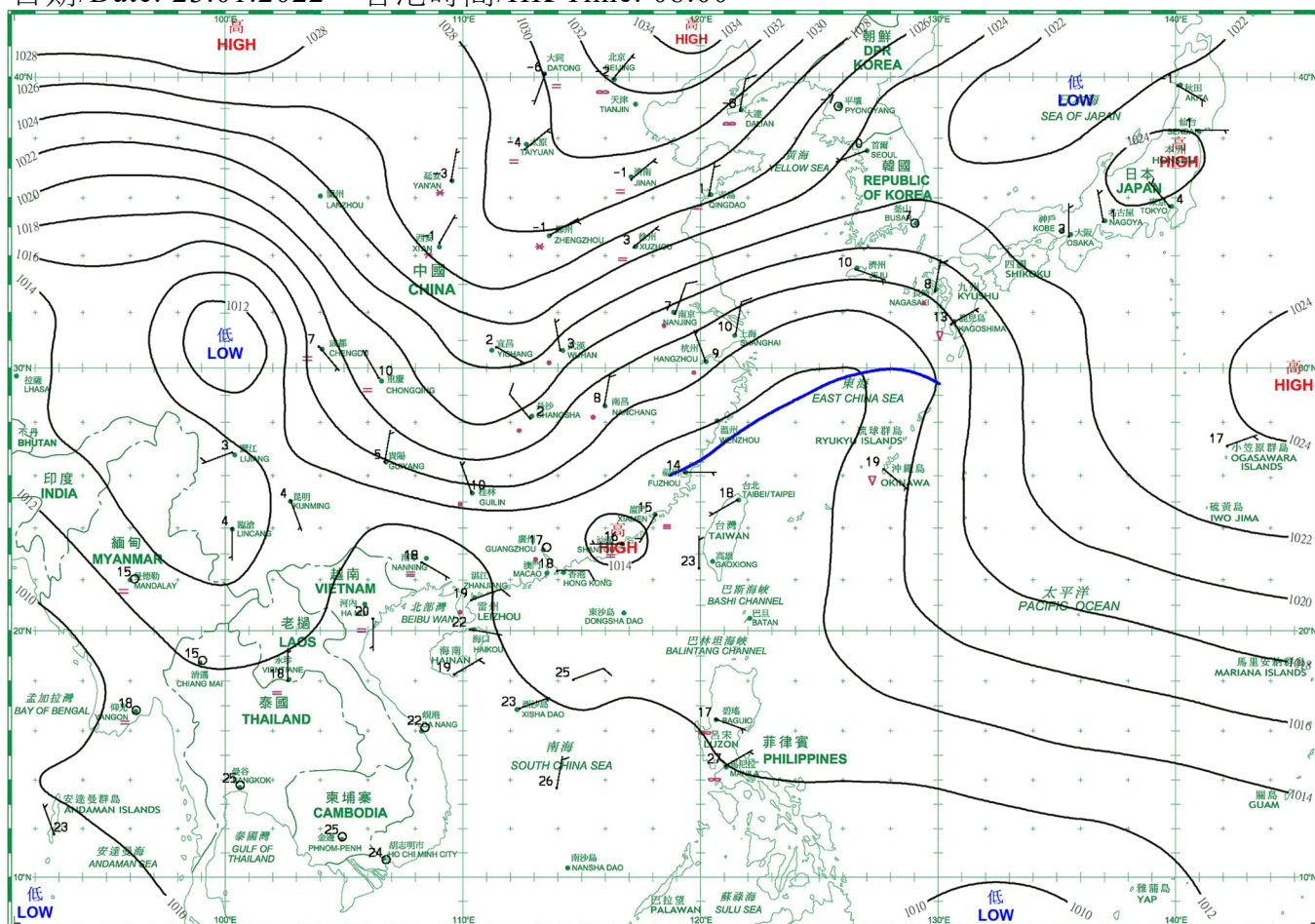
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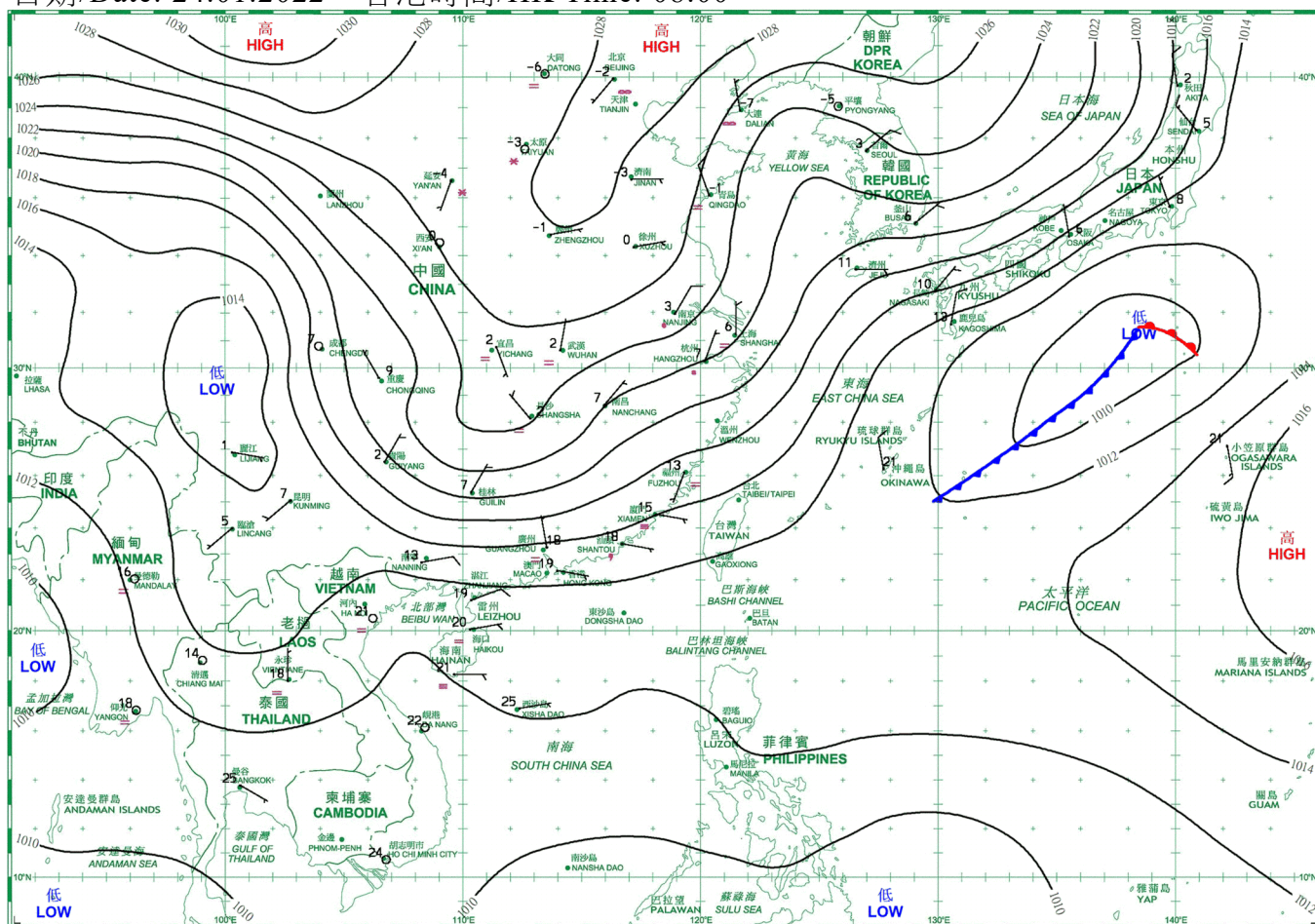
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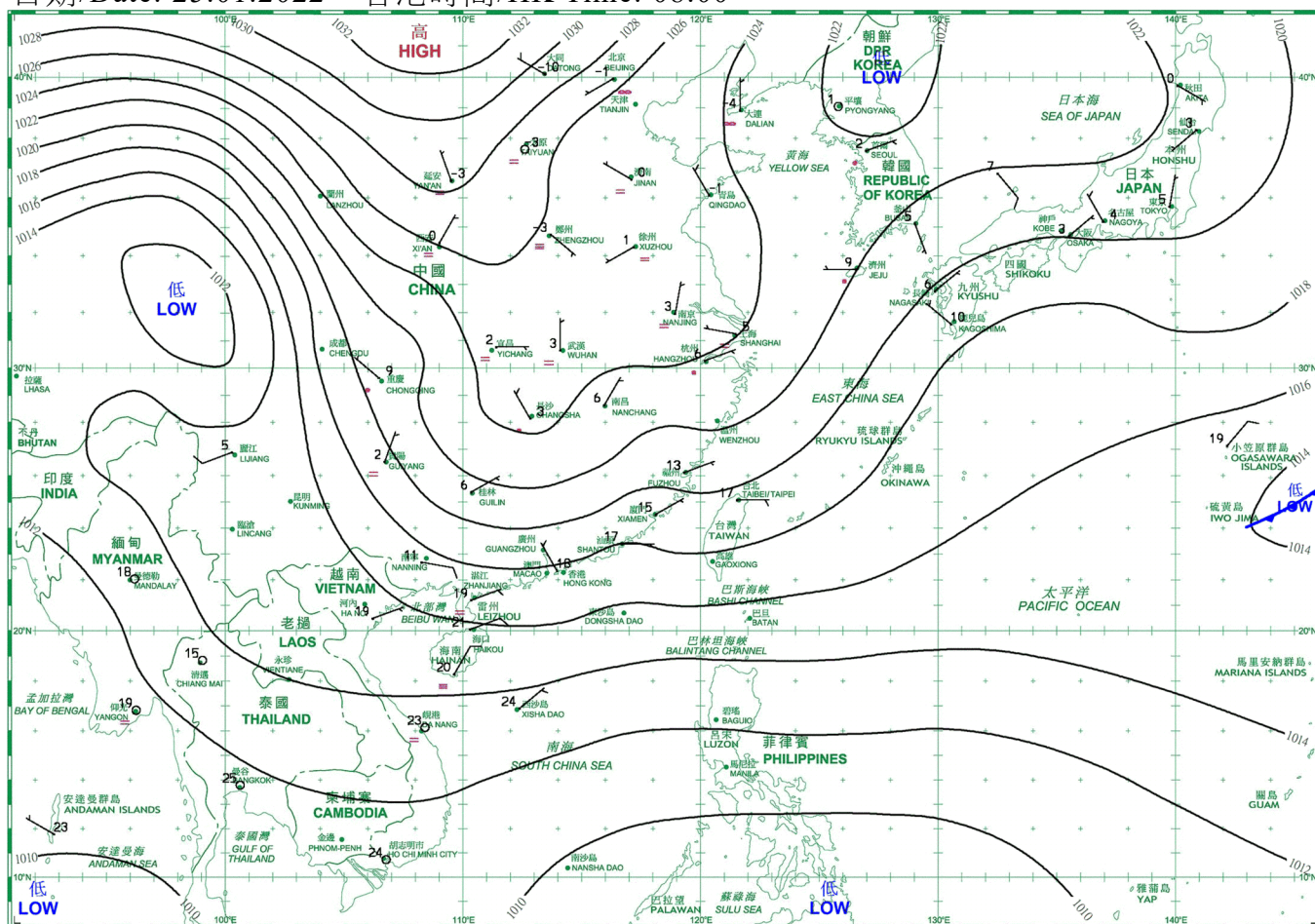
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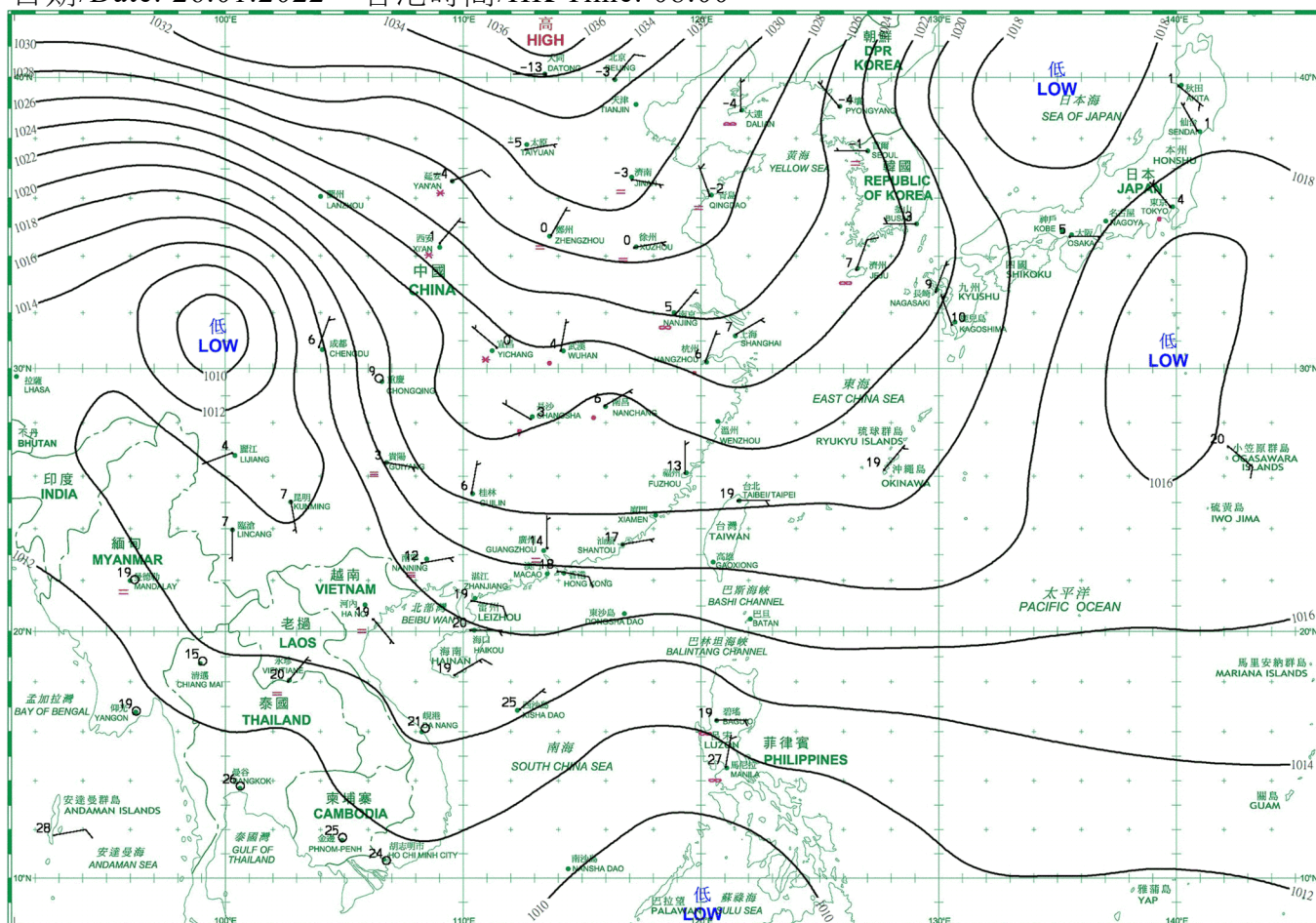
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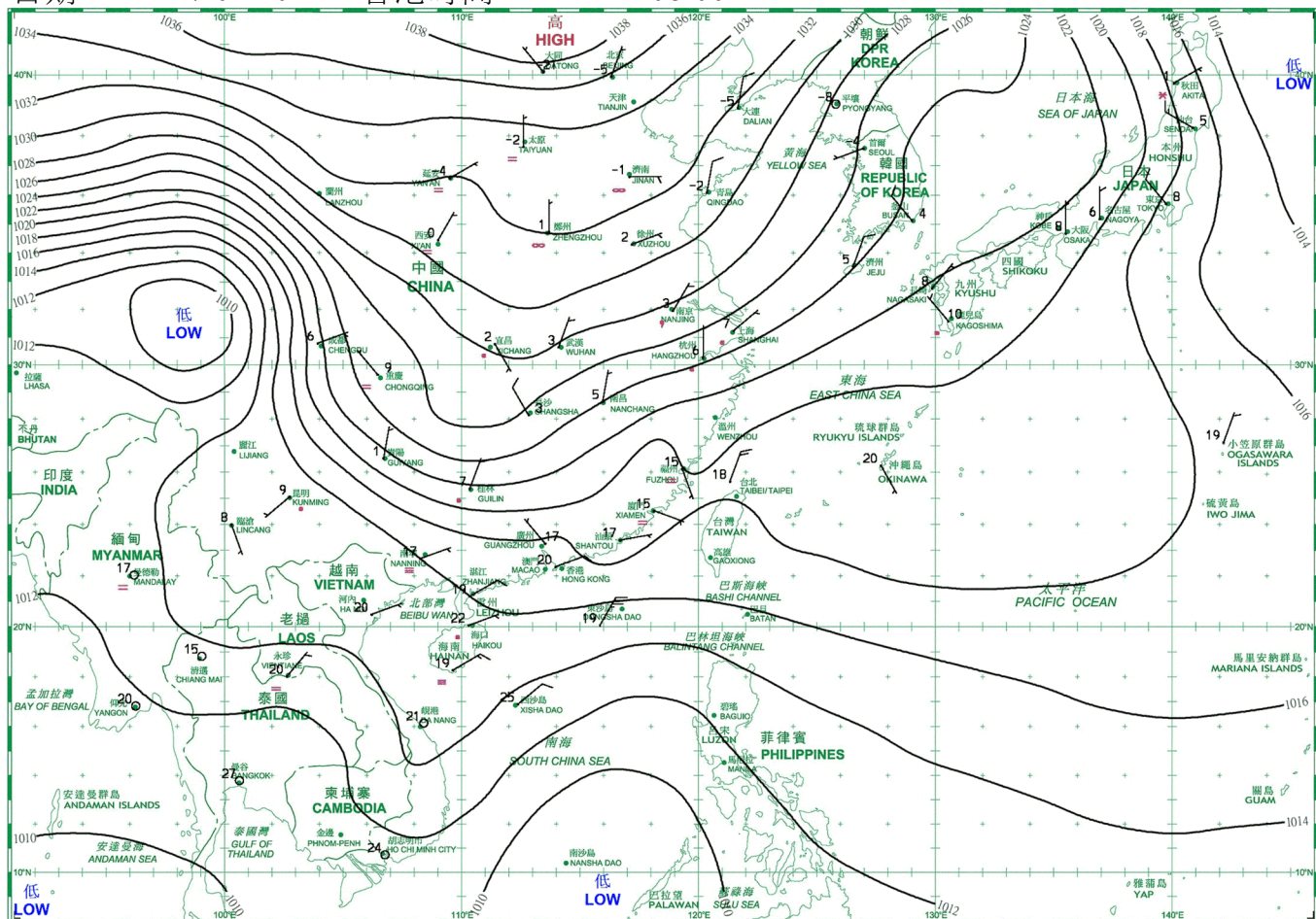
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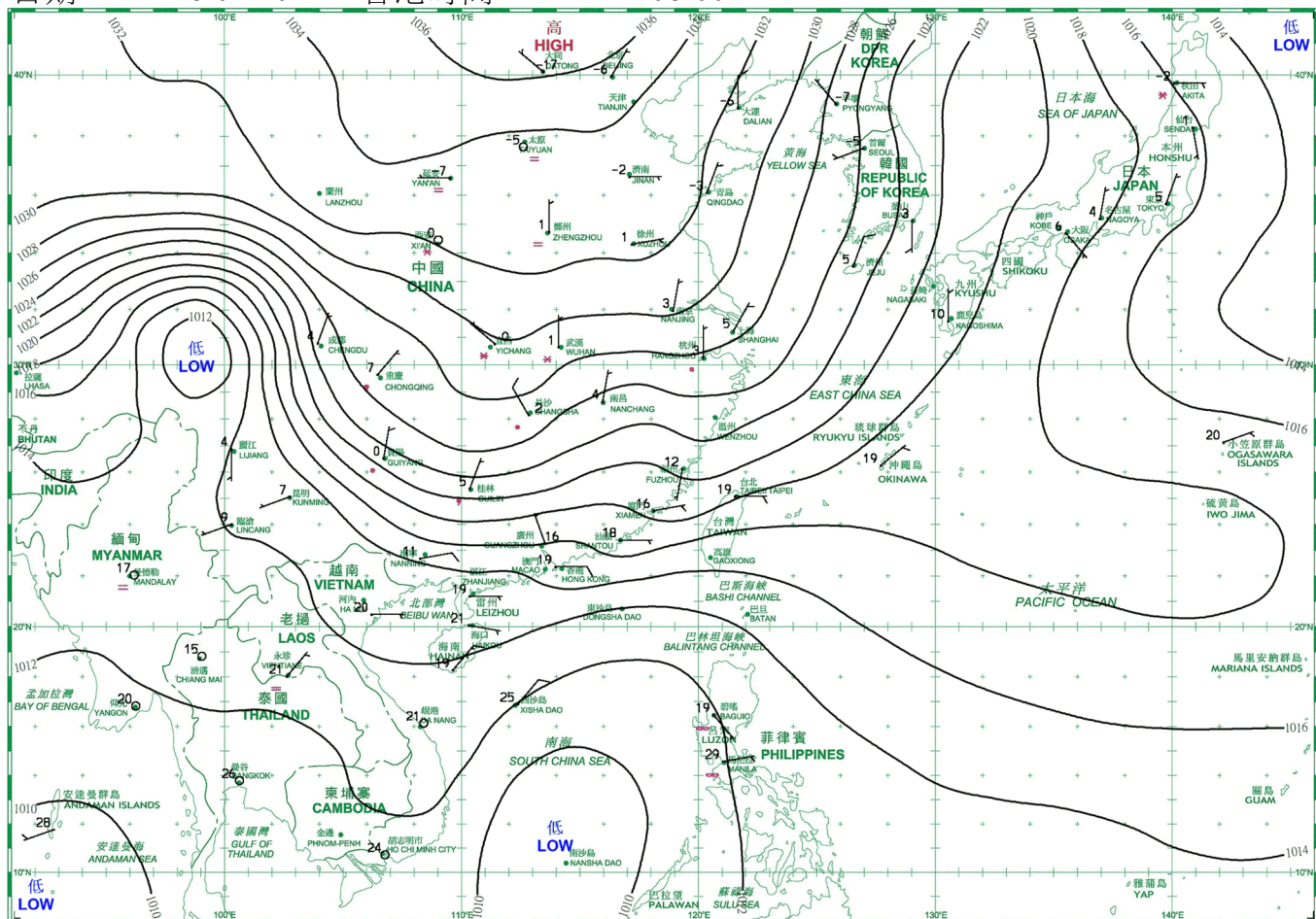
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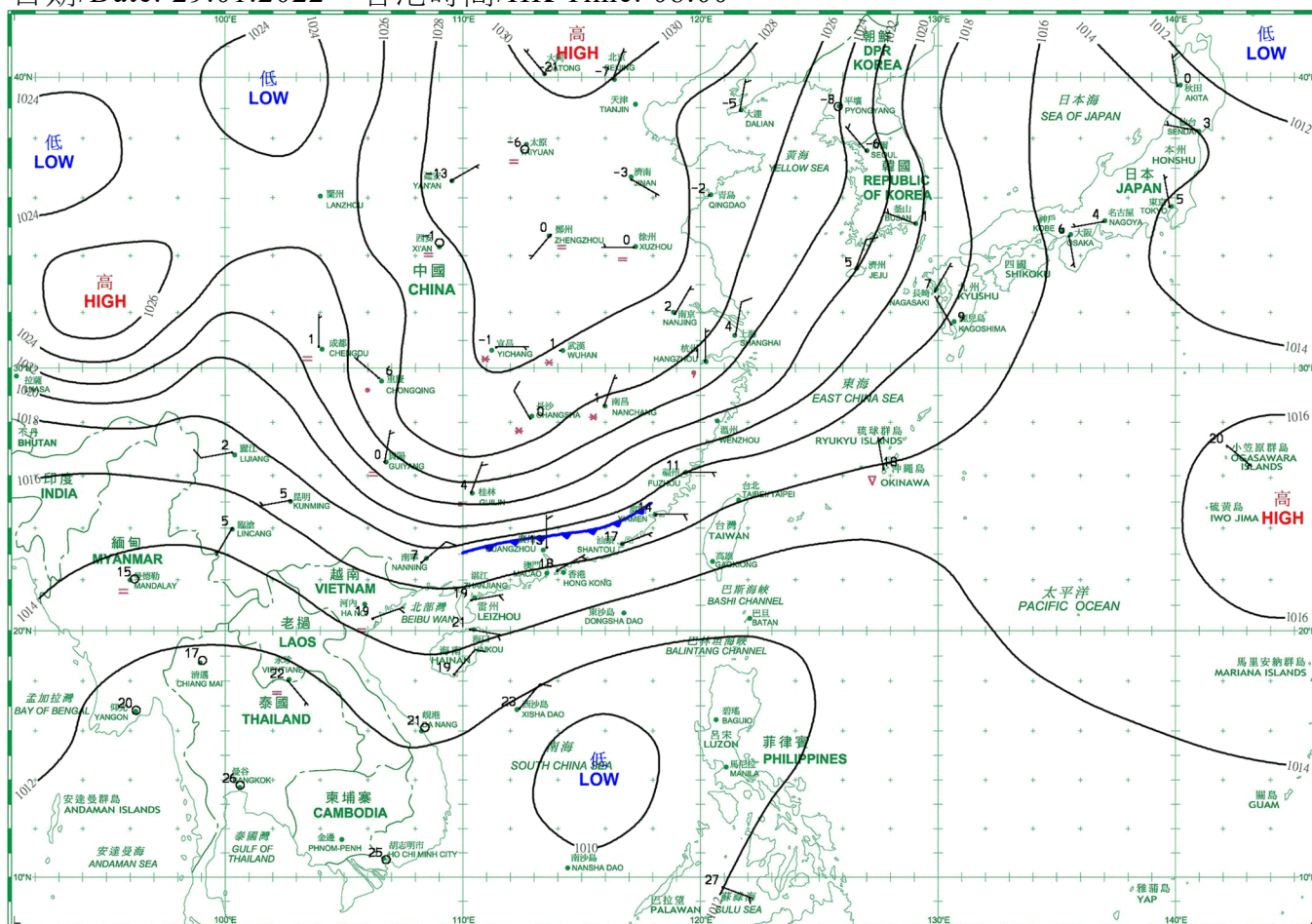
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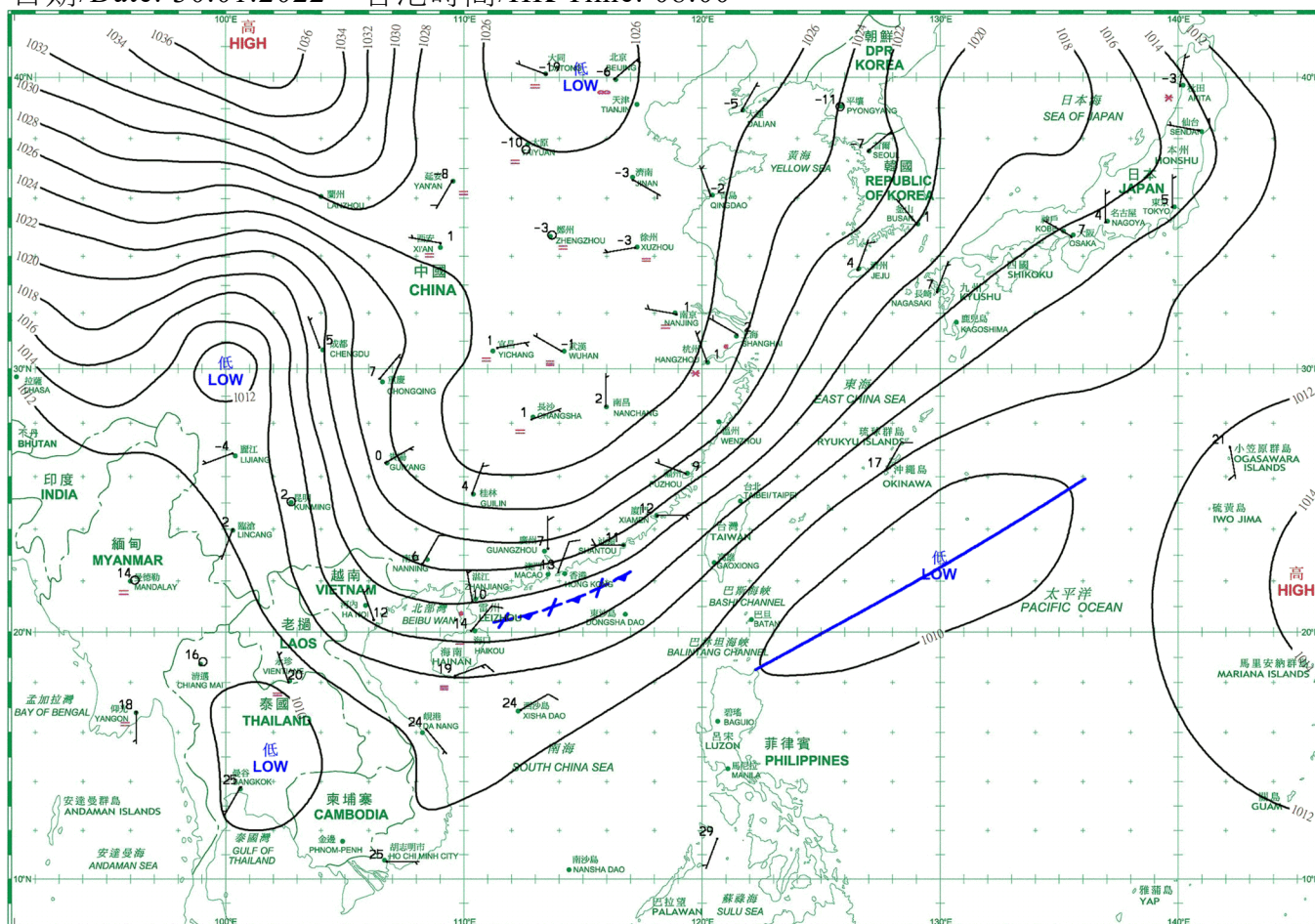
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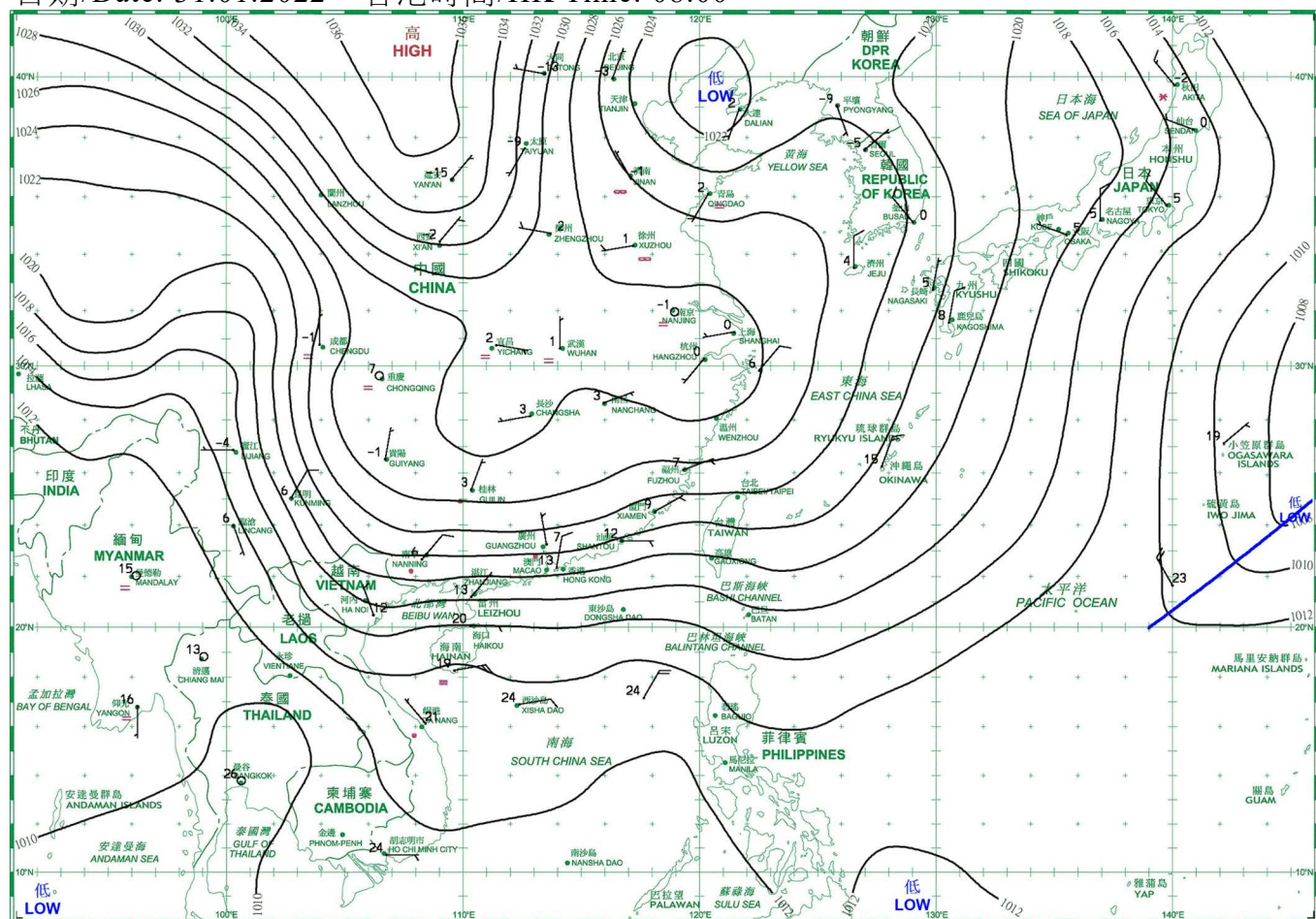
日期/Date: 29.01.2022 香港時間/HK Time: 08:00



日期/Date: 30.01.2022 香港時間/HK Time: 08:00



日期/Date: 31.01.2022 香港時間/HK Time: 08:00



3.1.1 二零二二年一月香港氣象觀測摘錄(一)

3.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), January 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				
一 月 January	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1024.4	19.3	17.6	16.4	13.4	76	68	-
2	1022.5	22.0	18.4	16.0	14.2	77	10	-
3	1021.1	20.5	18.3	17.0	14.5	79	27	-
4	1019.6	21.5	19.1	17.4	14.4	75	49	-
5	1017.3	23.6	20.4	18.3	15.8	75	50	Tr
6	1019.2	23.6	20.3	18.3	16.5	80	54	-
7	1021.6	21.1	18.6	17.2	14.8	79	51	-
8	1020.5	20.2	17.8	16.0	13.2	75	34	-
9	1018.2	20.1	18.0	16.7	14.3	79	70	-
10	1017.5	20.9	18.4	16.5	14.1	76	78	-
11	1020.2	18.8	15.8	13.7	10.1	70	44	1.2
12	1020.9	17.9	16.1	14.7	11.1	72	84	-
13	1021.5	18.9	17.0	15.6	10.0	64	90	Tr
14	1020.7	17.3	16.6	15.4	11.9	75	84	-
15	1020.1	19.8	17.9	16.5	14.8	82	68	-
16	1020.4	21.1	18.8	17.4	15.6	82	59	-
17	1020.7	18.4	17.8	17.1	15.0	84	82	-
18	1020.9	18.3	17.3	15.8	14.1	82	89	0.2
19	1019.3	20.3	17.1	14.9	11.5	70	49	-
20	1018.4	20.8	17.6	15.4	12.6	73	54	-
21	1017.6	19.7	17.9	16.5	14.4	80	69	-
22	1014.3	17.8	17.3	16.8	15.8	91	94	1.5
23	1013.1	21.8	19.4	17.5	16.6	84	87	0.1
24	1014.3	21.8	19.7	18.8	17.7	88	86	1.0
25	1016.7	20.9	18.6	17.5	15.5	82	77	-
26	1017.1	21.1	19.2	17.7	16.1	83	88	Tr
27	1016.8	22.1	19.8	18.4	17.0	84	61	Tr
28	1016.3	19.9	18.8	18.1	16.4	86	89	Tr
29	1014.4	20.2	18.1	16.3	14.8	81	88	0.1
30	1017.5	20.0	16.0	13.2	9.1	64	58	-
31	1019.2	15.5	14.6	13.6	9.0	70	88	Tr
平均/總值 Mean/Total	1018.8	20.2	18.0	16.5	14.0	78	67	4.1
正常* Normal*	1020.1	18.7	16.5	14.6	11.7	74	62	33.2
觀測站 Station	天文台 Hong Kong Observatory							

天文台於一月二十三日 15 時 24 分錄得本月最低氣壓 1011.0 百帕斯卡。

The minimum pressure recorded at the Hong Kong Observatory was 1011.0 hectopascals at 1524 HKT on 23 January.

天文台於一月五日 12 時 36 分及一月六日 13 時 1 分錄得本月最高氣溫 23.6 °C。

The maximum air temperature recorded at the Hong Kong Observatory was 23.6 °C at 1236 HKT on 5 January and at 1301 HKT on 6 January.

天文台於一月三十日 8 時 34 分錄得本月最低氣溫 13.2 °C。

The minimum air temperature recorded at the Hong Kong Observatory was 13.2 °C at 0834 HKT on 30 January.

天文台於一月十一日 3 時 47 分錄得本月最高1分鐘平均降雨率 9 毫米/小時。

The maximum 1-minute mean rainfall rate recorded at the Hong Kong Observatory was 9 millimetres per hour at 0347 HKT on 11 January.

* 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)

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 二零二二年一月香港氣象觀測摘錄(二)

3.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), January 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
一月 January	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	8	1.6	7.30	1.8	070	24.4
2	13	9.5	15.52	2.1	020	15.1
3	0	8.0	15.15	2.6	070	25.1
4	0	8.7	16.46	2.6	070	29.6
5	0	8.8	16.78	2.8	050	13.8
6	1	8.1	16.20	3.3	080	21.6
7	3	4.4	10.91	2.7	070	31.5
8	1	9.5	16.48	2.6	070	20.7
9	8	2.0	8.64	1.9	070	18.8
10	7	3.8	11.12	2.6	060	21.3
11	0	9.6	17.02	3.2	010	30.4
12	1	1.4	8.93	2.5	060	28.8
13	3	0.7	8.38	3.1	010	21.8
14	13	0.1	5.06	1.6	070	34.7
15	10	8.0	15.42	2.5	060	28.9
16	4	4.7	11.93	2.3	050	25.9
17	5	-	3.59	1.0	060	27.3
18	4	1.1	5.29	2.1	030	18.4
19	0	8.7	16.14	3.2	010	16.8
20	0	7.6	16.53	2.8	060	25.6
21	0	4.1	11.99	1.4	070	36.9
22	0	-	3.81	0.8	070	32.8
23	0	1.8	9.79	0.7	050	15.3
24	2	1.2	8.11	2.0	060	18.6
25	2	2.5	7.43	1.8	060	26.9
26	0	3.4	11.73	2.2	070	26.5
27	11	7.0	15.33	2.3	060	19.3
28	7	-	3.97	1.6	080	32.7
29	0	0.4	6.63	3.2	070	17.7
30	0	7.0	16.78	3.7	360	26.1
31	0	-	3.79	1.3	040	35.0
平均/總值 Mean/Total	103	133.7	11.04	70.3	070	24.8
正常* Normal*	208.2 §	145.8	10.55	69.1	060	25.1
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^		

橫瀾島於一月三十一日 7 時 24 分錄得本月最高陣風 64 公里/小時，風向 070 度。

The maximum gust peak speed recorded at Waglan Island was 64 kilometres per hour from 070 degrees at 0724 HKT on 31 January.

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)

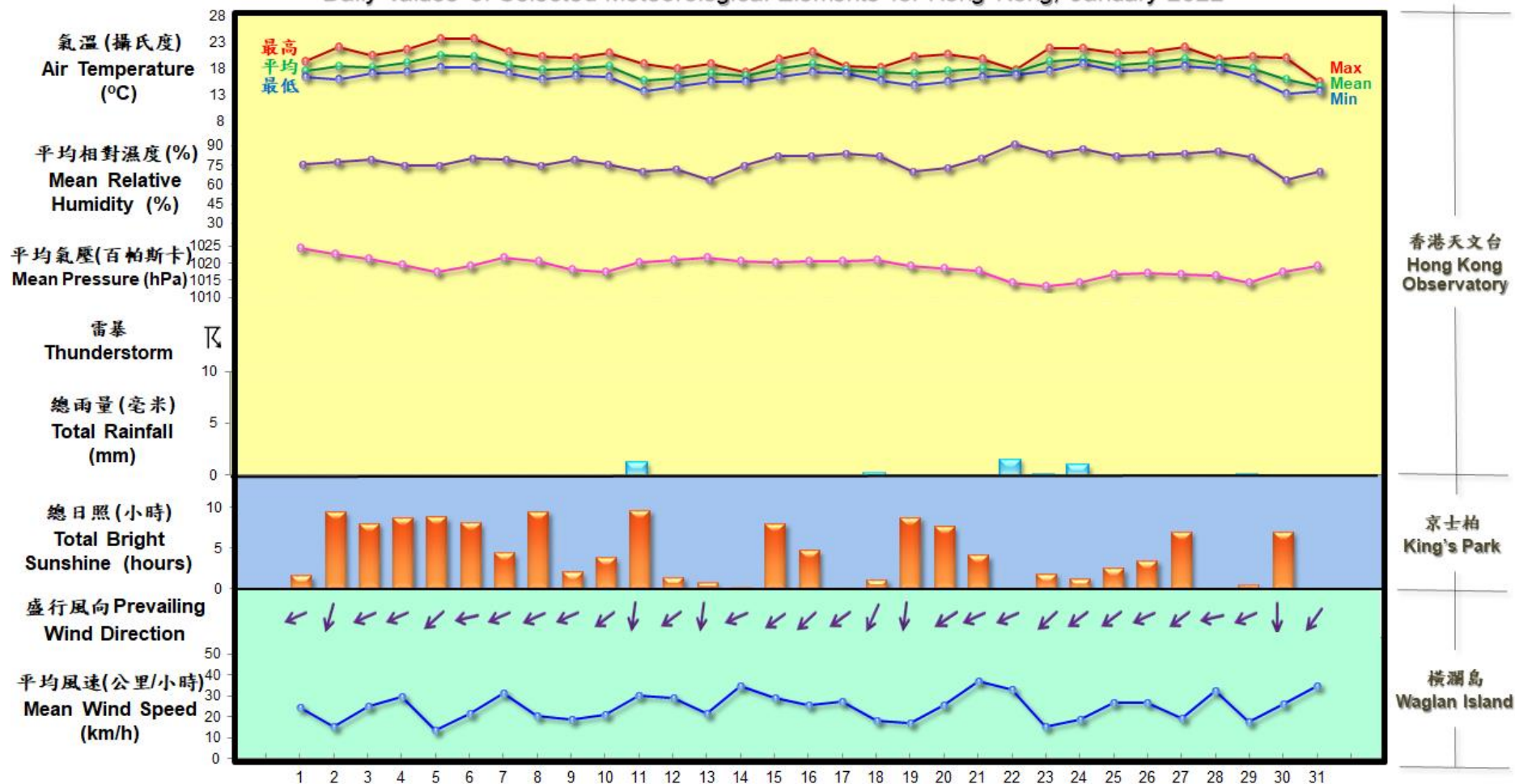
* 1991-2020 Climatological normal, unless otherwise specified (http://www.hko.gov.hk/en/cis/normal/1991_2020/normal.s.htm)

§ 1997-2021 平均值

§ 1997-2021 Mean value

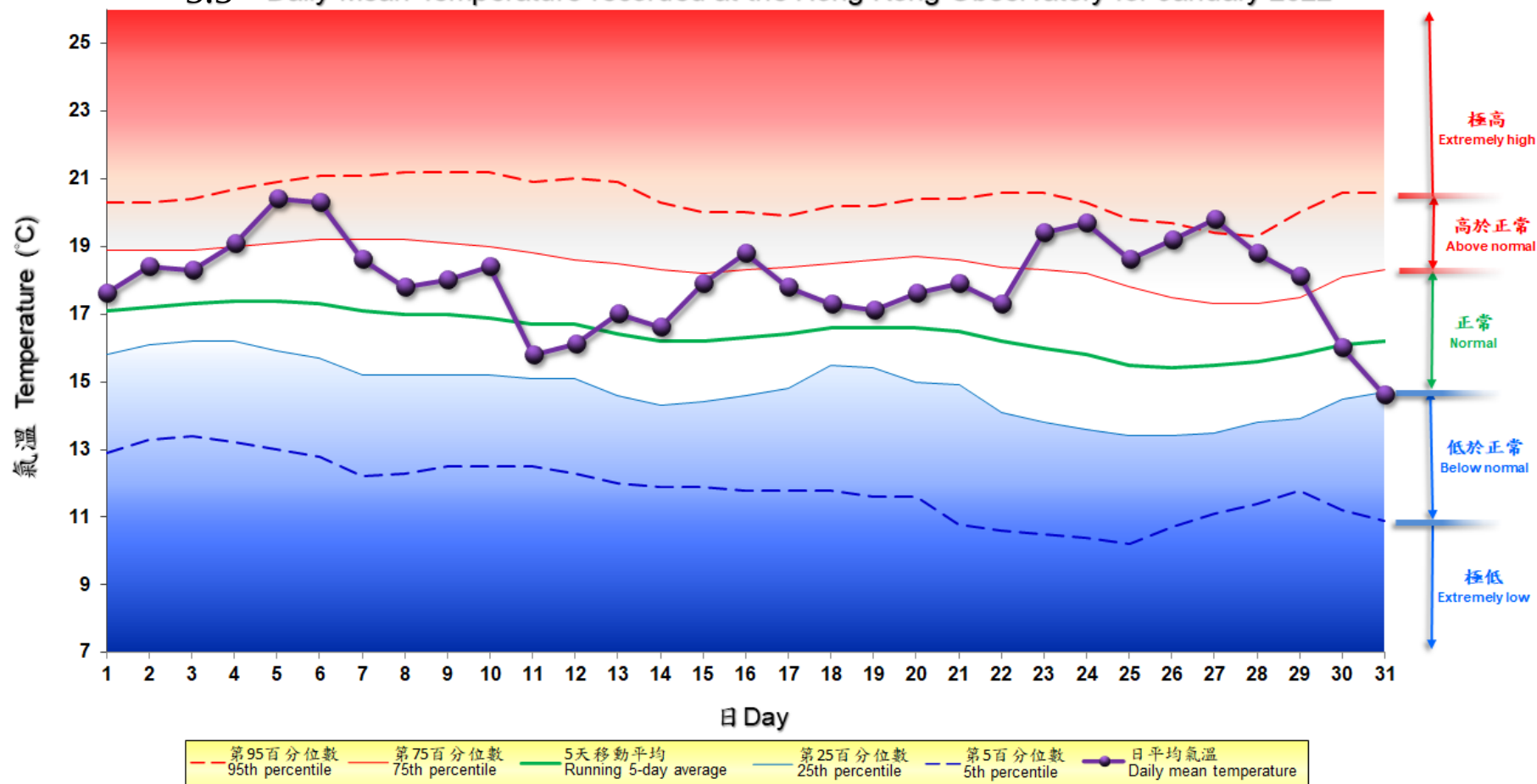
3.2 2022年1月部分香港氣象要素的每日記錄

3.2 Daily Values of Selected Meteorological Elements for Hong Kong, January 2022



3.3 2022年1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 January 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