每月天氣摘要
二零二二年三月

Monthly Weather Summary
March 2022

目錄

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二零二二年四月出版

香港天文台編製
香港九龍彌敦道134A

1. 除特別列明外，所有時間均以協調世界時加八小時為準。

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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134A Nathan Road,
Kowloon,
Hong Kong.

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.

1. 二零二二年三月天氣回顧

由於月內大部分時間華南的東北季候風普遍較正常弱，二零二二年三月香港遠較正常溫暖。本月平均最高氣溫 25.0 度，較正常值高 3.1 度，是有記錄以來三月份最高。此外，本月平均氣溫 21.5 度及平均最低氣溫 19.2 度，分別是有記錄以來三月份第二高及第六高。全月總雨量為 92.7 毫米，較正常值 75.3 毫米多百分之 23。本年首三個月的累積雨量為 265.3 毫米，較同期正常值 147.4 毫米多百分之 80。

本月首日香港天氣大致天晴。受一股較潮濕的偏東氣流影響，三月二日及三日本港雲量逐漸增多，部分地區有薄霧。隨著雲層轉薄，三月四日本港除早上及晚間有薄霧外，日間普遍天晴。在微風情況下，三月五日本港天氣持續天晴但有霧，部分地區的能見度曾下降至 100 米左右。隨著東風增強，當晚本港天氣轉為大致多雲，但三月六日本港日間短暫時間有陽光及乾燥。

一道冷鋒在三月七日早上橫過廣東沿岸，並為本港帶來較清涼及有幾陣雨的天氣。受乾燥的偏北氣流影響，下午天氣轉為大致天晴及乾燥。其後五天本港天氣持續天晴及乾燥。三月八日早上本港天氣相當清涼，天文台氣溫下降至全月最低的 15.0 度。三月八日及九日的下午本港天氣亦非常乾燥，多處地區的相對濕度下降至百分之四十以下。

一股和暖的海洋氣流於三月十三日取代東北季候風，並持續影響廣東沿岸至三月二十二日。三月十三至十五日本港大致天晴及天氣相當溫暖。三月十五日本港早上有霧。受華南的雲帶影響，三月十六日本港天氣轉為大致多雲及有薄霧。除早上沿岸有霧及有幾陣驟雨外，三月十七日本港日間部分時間有陽光。三月十八日至二十二日本港持續有霧。在三月十八日晚上至翌日早上，港內及橫瀾島的能見度曾下降至 100 米或以下。三月二十日至二十二日本港亦有幾陣驟雨，三月二十日新界局部地區有雷暴。

一道冷鋒在三月二十三日早上橫過廣東沿岸，並為本港帶來清涼及有驟雨的天氣，而早上雨勢較為頻密，當日本港多處地區錄得超過 50 毫米雨量。受一股清勁至強風程度的偏東氣流影響，三月二十四日及二十五日本港持續多雲及有幾陣雨，早上天氣清涼。隨著偏東氣流於三月二十五日稍後逐漸被一股偏南氣流所取代，三月二十六日本港有幾陣驟雨及沿岸有霧，當日橫瀾島的能見度曾下降至 500 米以下。

另一道冷鋒在三月二十七日凌晨橫過廣東沿岸，本港受相關的東北季候風影響，當日天氣清涼，多雲及有幾陣驟雨，早上有霧，港內的能見度曾下降至 1000 米左右。受一道雷雨帶影響，三月二十八日本港多雲有驟雨，初時有幾陣狂風雷暴，多處地區錄得超過 30 毫米雨量，而新界東北部更錄得超過 50 毫米雨量。三月二十九日本港天氣持續多雲，有幾陣驟雨。隨著東北季候風緩和，本月最後兩天本港天色逐漸好轉，有較多陽光及氣溫回升。天文台氣溫於三月三十一日下午上升至全月最高的 29.3 度。

本月沒有熱帶氣旋在南海及北太平洋西部出現。

本月有三班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 March 2022

With the northeast monsoon over southern China generally weaker than normal for most of the time in the month, March 2022 was much warmer than usual in Hong Kong. The monthly mean maximum temperature of 25.0 degrees was 3.1 degrees above normal and the highest on record for March. Moreover, the monthly mean temperature of 21.5 degrees and monthly mean minimum temperature of 19.2 degrees were respectively the second and sixth highest on record for March. The total rainfall in the month was 92.7 millimetres, about 23 percent above the normal figure of 75.3 millimetres. The accumulated rainfall of 265.3 millimetres in the first three months of the year was about 80% above the normal figure of 147.4 millimetres for the same period.

The weather in Hong Kong was mainly fine on the first day of the month. Affected by a relatively humid easterly airstream, the weather gradually turned cloudier with mist in some areas on 2 - 3 March. With the clouds thinning out, apart from mist patches in the morning and at night, it was generally fine during the day on 4 March. Under light wind conditions, the weather of Hong Kong remained fine but became foggy on 5 March. The visibility in some areas once fell to about 100 metres. With winds strengthening from the east, local weather turned mainly cloudy that night, but became dry with sunny intervals during the day on 6 March.

A cold front moved across the coast of Guangdong on the morning of 7 March and brought cooler weather and some rain patches to Hong Kong. Under the influence of the dry northerly airstream, local weather became generally fine and dry in the afternoon. The weather of Hong Kong remained fine and dry in the next five days. In particular, it was rather cool on the morning of 8 March with the temperature at the Observatory dropping to a minimum of 15.0 degrees, the lowest of the month. It was also very dry in the afternoons of 8 - 9 March with the relative humidity over parts of the territory falling below 40 percent.

A mild maritime airstream replaced the northeast monsoon on 13 March and prevailed over the coast of Guangdong till 22 March. Locally, it was generally fine and rather warm on 13 – 15 March. It was also foggy on the morning of 15 March. Affected by cloud bands over southern China, the weather became mainly cloudy with some mist patches on 16 March. Apart from coastal fog and a few showers in the morning, there were sunny periods during the day on 17 March. It was foggy in Hong Kong on 18 – 22 March. The visibility in the harbour and at

Waglan Island once fell to 100 metres or below during the night of 18 March and the next morning. There were also a few showers on 20 – 22 March and isolated thunderstorms in the New Territories on 20 March.

A cold front moved across the coast of Guangdong on the morning of 23 March and brought cooler weather and showers to Hong Kong on that day. Showers were more frequent in the morning. More than 50 millimetres of rainfall were recorded over many places of the territory on that day. Affected by a fresh to strong easterly airstream, the weather remained cloudy with cool mornings and a few rain patches on 24 – 25 March. With the easterly airstream gradually replaced by a southerly airstream later on 25 March, there were a few showers and coastal fog on 26 March. The visibility at Waglan Island once fell below 500 metres on that day.

Another cold front moved across the coast of Guangdong in the small hours of 27 March. Locally, under the influence of the associated northeast monsoon, it was cloudy and cooler with a few showers on that day. It was also foggy in the morning with visibility in the harbour once falling to around 1000 metres. Affected by a band of thundery showers, it was cloudy with showers and a few squally thunderstorms at first on 28 March. More than 30 millimetres of rainfall were recorded over many places and rainfall even exceeded 50 millimetres over the northeastern part of the New Territories. The weather remained cloudy with a few showers on 29 March. With the moderation of the northeast monsoon, local weather improved gradually with more sunshine and temperature rising on the last two days of the month. The temperature at the Observatory rose to a maximum of 29.3 degrees on the afternoon of 31 March, the highest of the month.

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

During the month, three aircrafts were 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　二零二二年三月發出的警告及信號
Table 1.1　Warnings and Signals issued in March 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
6/3	0845	6/3	1145
25/3	0035	25/3	1145

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
20/3	1125	20/3	1400
23/3	0217	23/3	0625
23/3	0810	23/3	1000
25/3	1355	25/3	1500
27/3	2315	28/3	0830

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	6/3	0600	6/3	1745
紅色 Red	8/3	0600	9/3	0600
黃色 Yellow	9/3	0600	9/3	1145
紅色 Red	9/3	1145	9/3	2300
黃色 Yellow	10/3	0600	11/3	1900
黃色 Yellow	12/3	0930	12/3	2145
黃色 Yellow	13/3	0750	13/3	1800

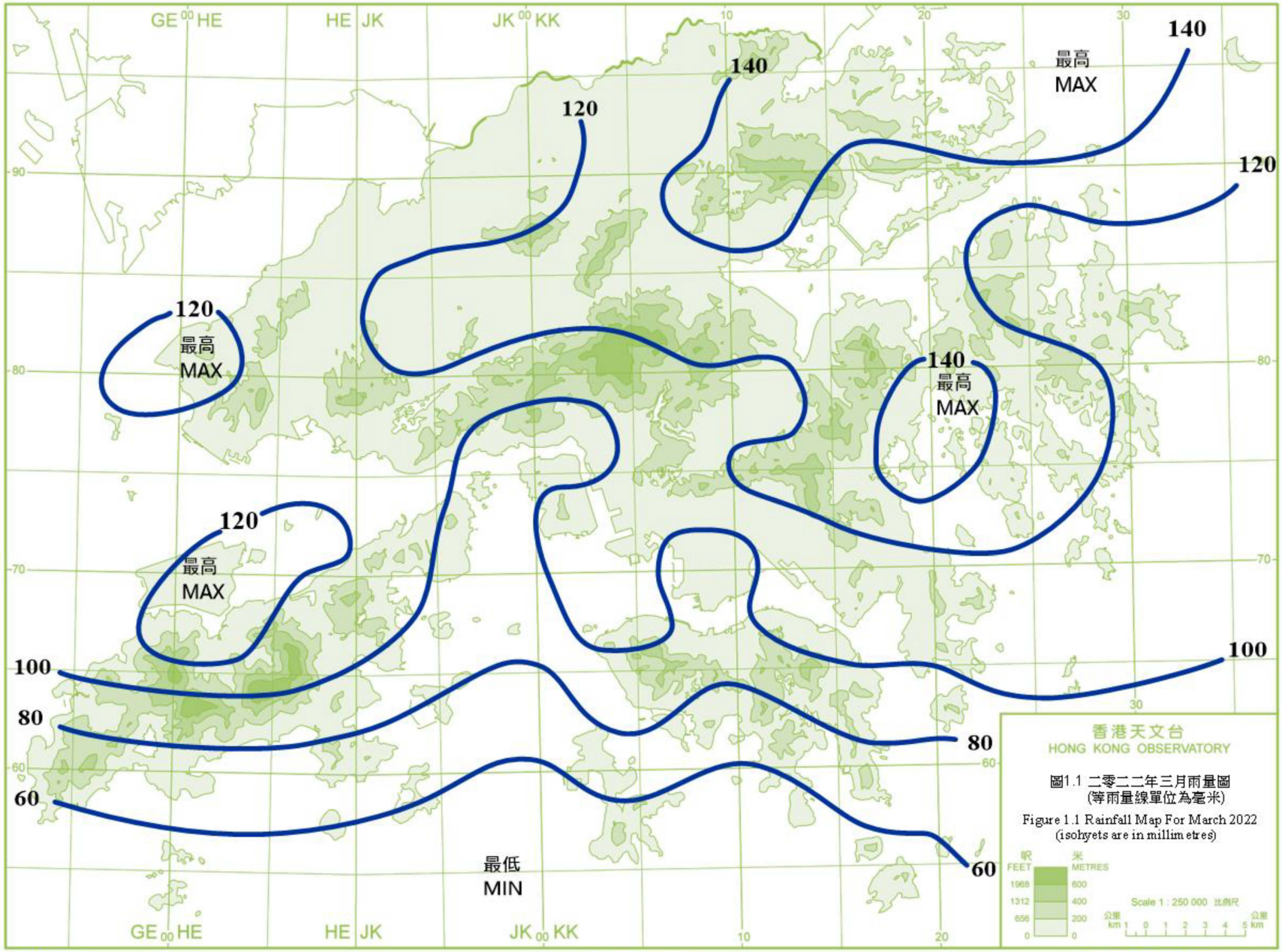

GE 00 HE
HE JK
JK 00 KK
140
120
最高
MAX
100
80
60
最低
MIN
香港天文台
HONG KONG OBSERVATORY
圖1.1 二零二二年三月雨量圖
(等雨量線單位為毫米)
Figure 1.1 Rainfall Map For March 2022
(isohyets are in millimetres)
FEET
METRES
Scale 1 : 250 000 比例尺
公里 km
H.K.O.128 (2014)
地政總署測繪處繪製
Cartography by Survey and Mapping Office, Lands Department.
©2014 版權所有 Copyright reserved

圖 1.2　　二零二二年三月五日在深井附近的海霧 (鳴謝張思遠先生提供照片)
Figure 1.2　Sea fog near Sham Tseng on 5 March 2022 (Courtesy of SY CHEUNG)

圖 1.3　二零二二年三月五日在葵涌附近的霧 (鳴謝 CHUNG MING LEE 提供照片)

Figure 1.3　Fog near Kwai Chung on 5 March 2022 (Courtesy of CHUNG MING LEE)

圖 1.4　二零二二年三月十八日在灣仔附近的海霧 (鳴謝 Nick Choy 提供照片)

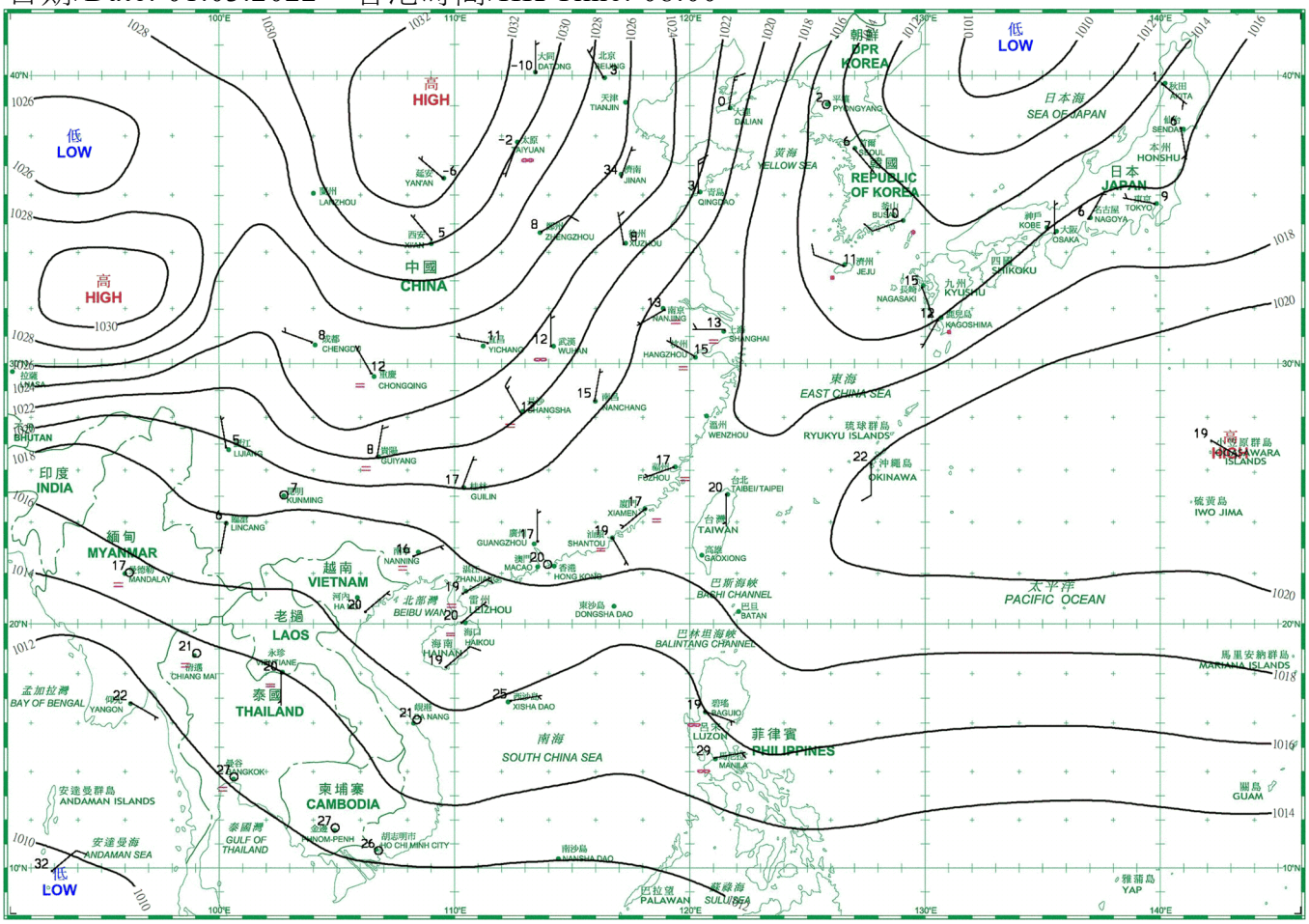
Figure 1.4　Sea fog near Wan Chai on 18 March 2022 (Courtesy of Nick Choy)

圖 1.5　二零二二年三月十八日在西九文化區附近的海霧
(鳴謝 Bin Cheung 提供照片)

Figure 1.5　Sea fog near West Kowloon Cultural District on 18 March 2022
(Courtesy of Bin Cheung)

2. 二零二二年三月每日天氣圖　Daily Weather Maps for March 2022

日期/Date: 01.03.2022　香港時間/HK Time: 08:00



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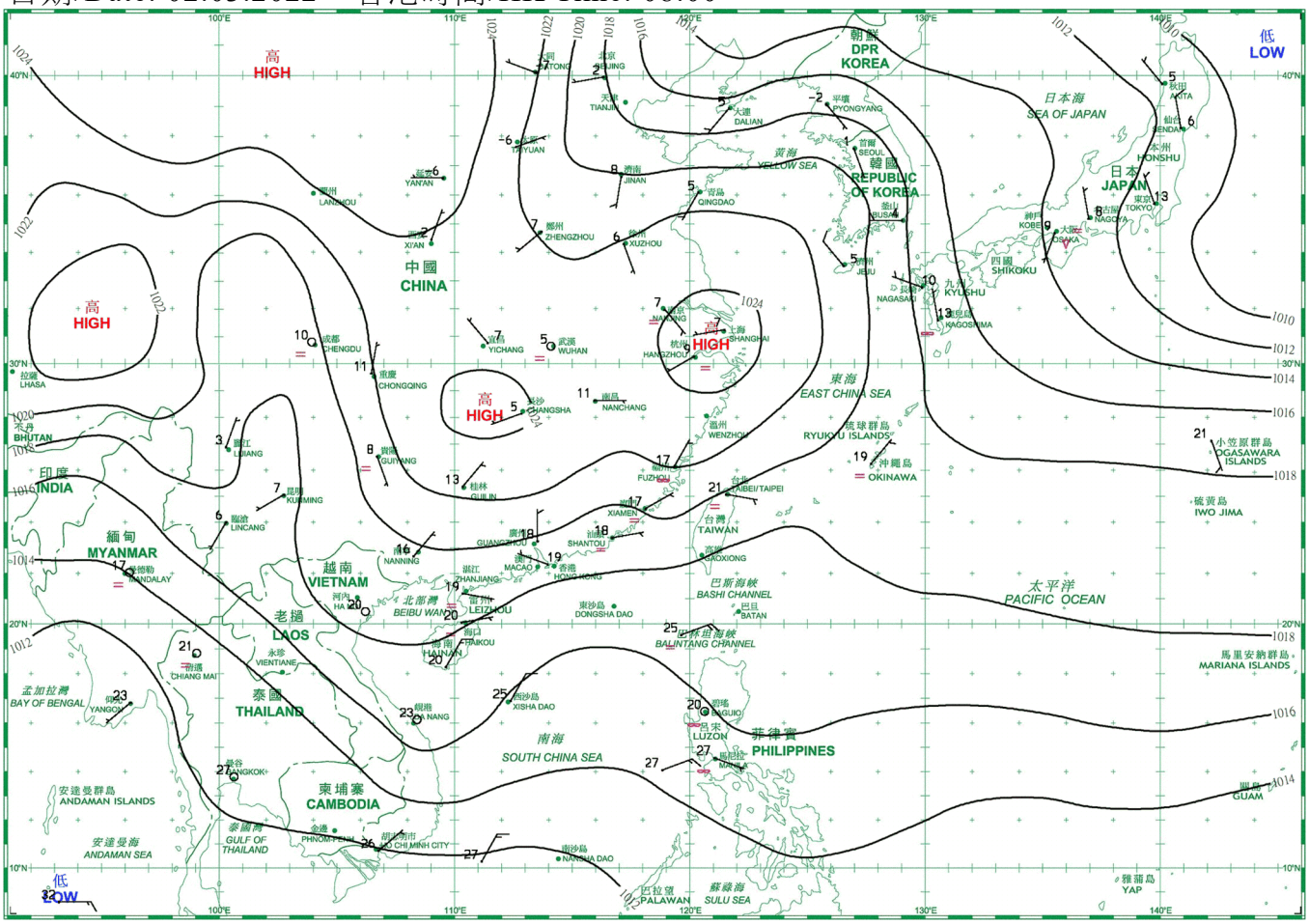
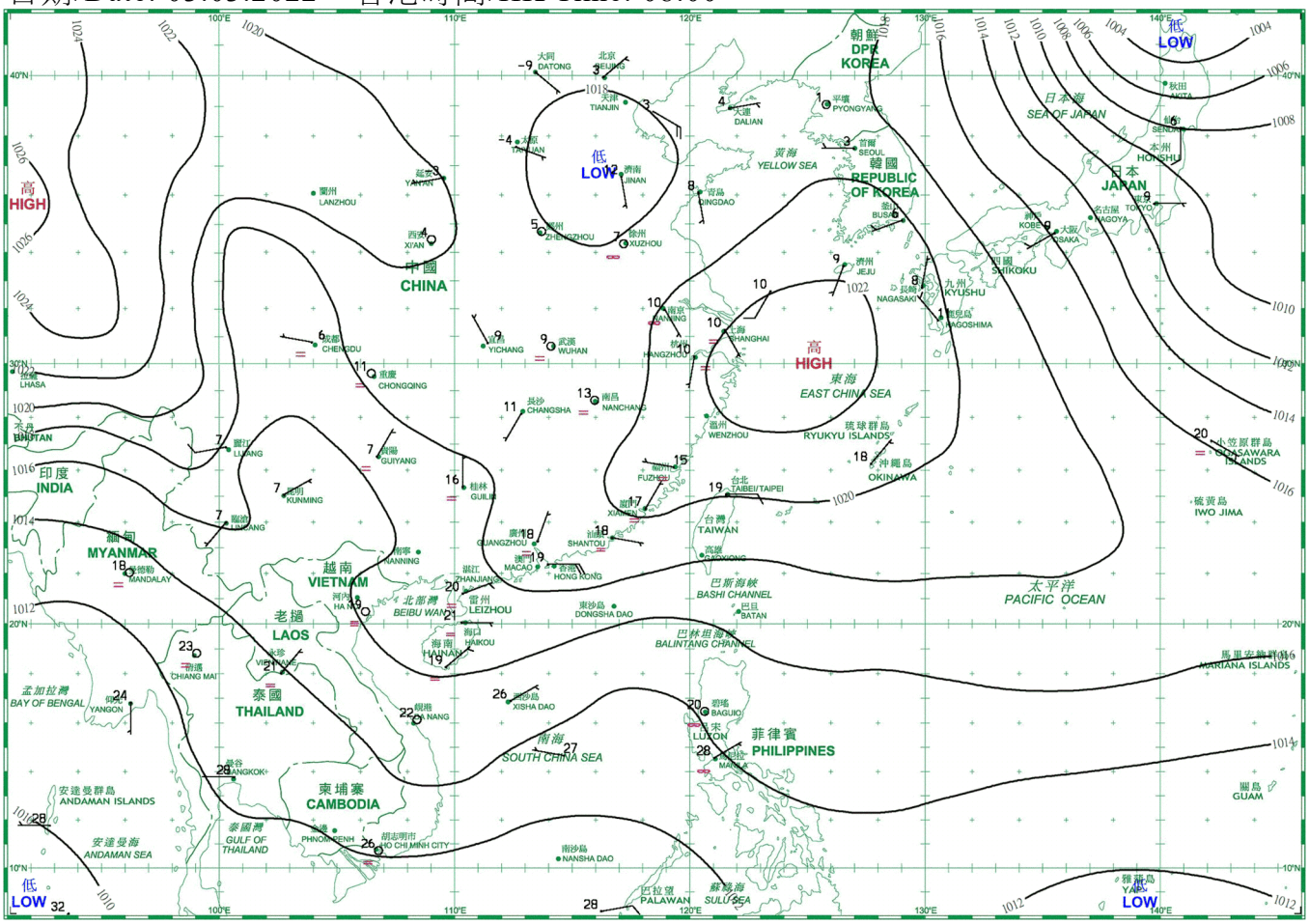


等壓線 Isobar(hPa)　暖鋒 Warm Front　靜止鋒 Stationary Front　消散中的冷鋒 Dissipating Co — ld Front

冷鋒 Cold Front　鋒囚鋒 Occlusion　槽軸〔線〕Axis of Trough　熱帶氣旋中心 Centre of Tropical Cyclone

日期/Date: 03.03.2022　香港時間/HK Time: 08:00



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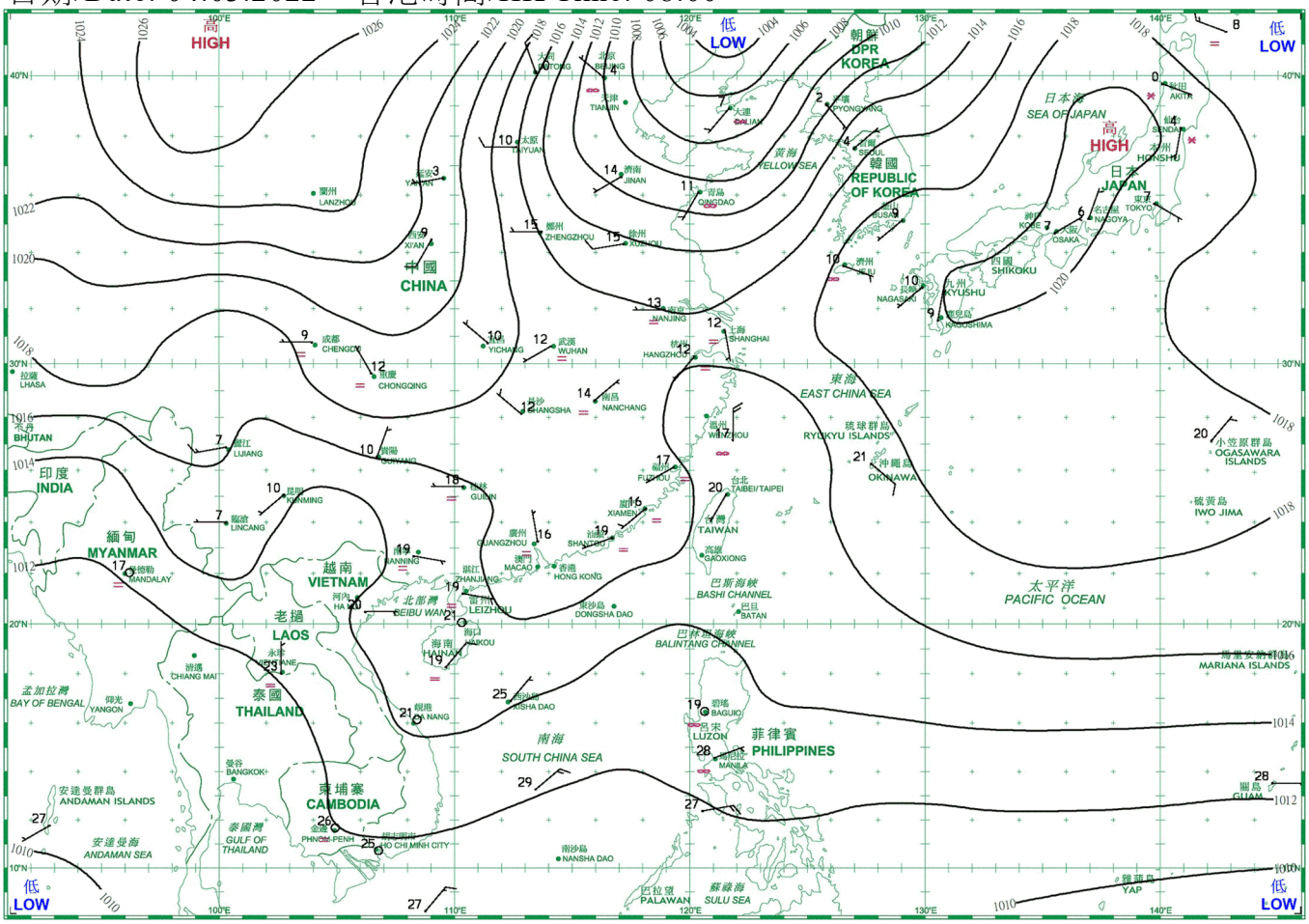

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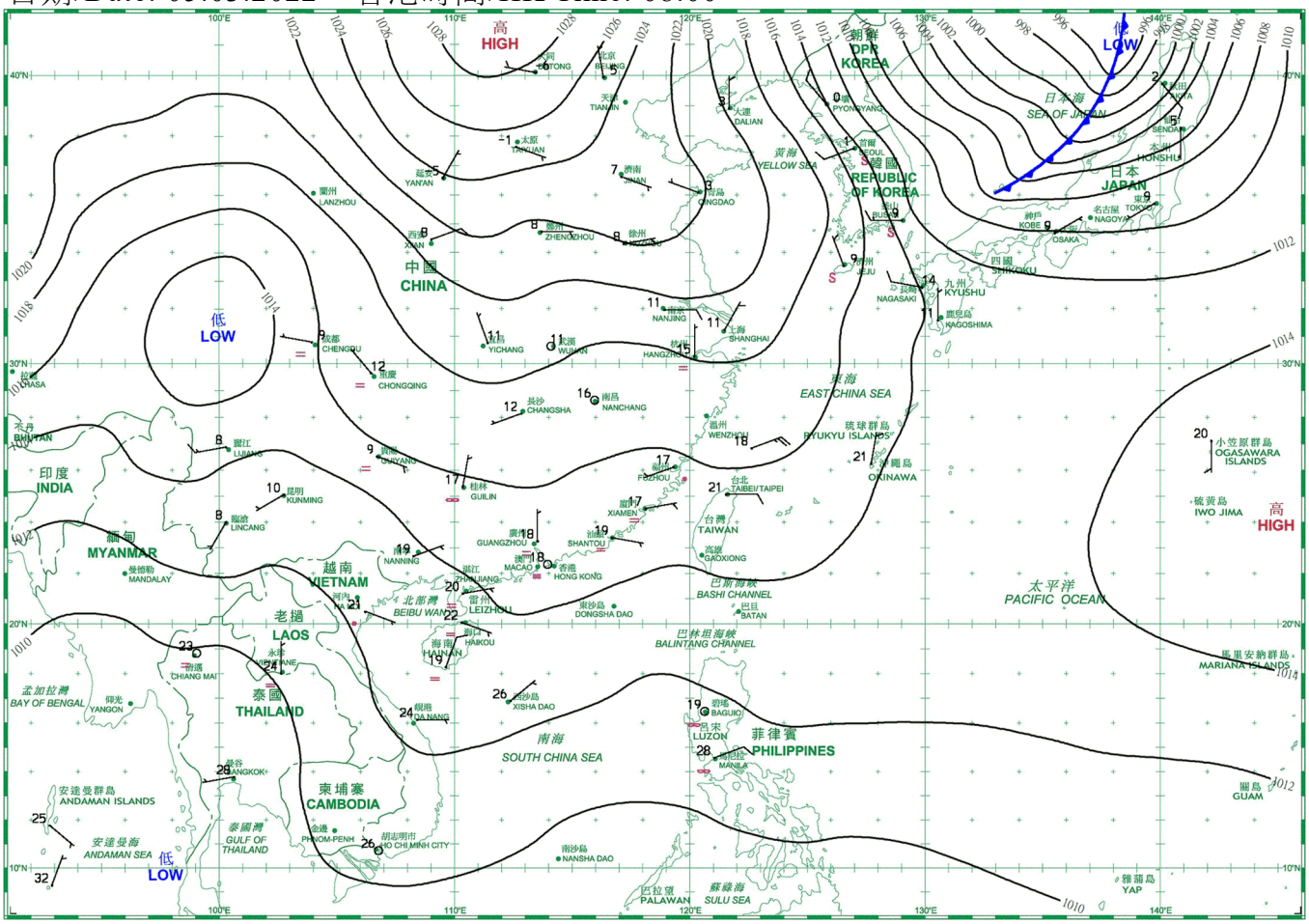

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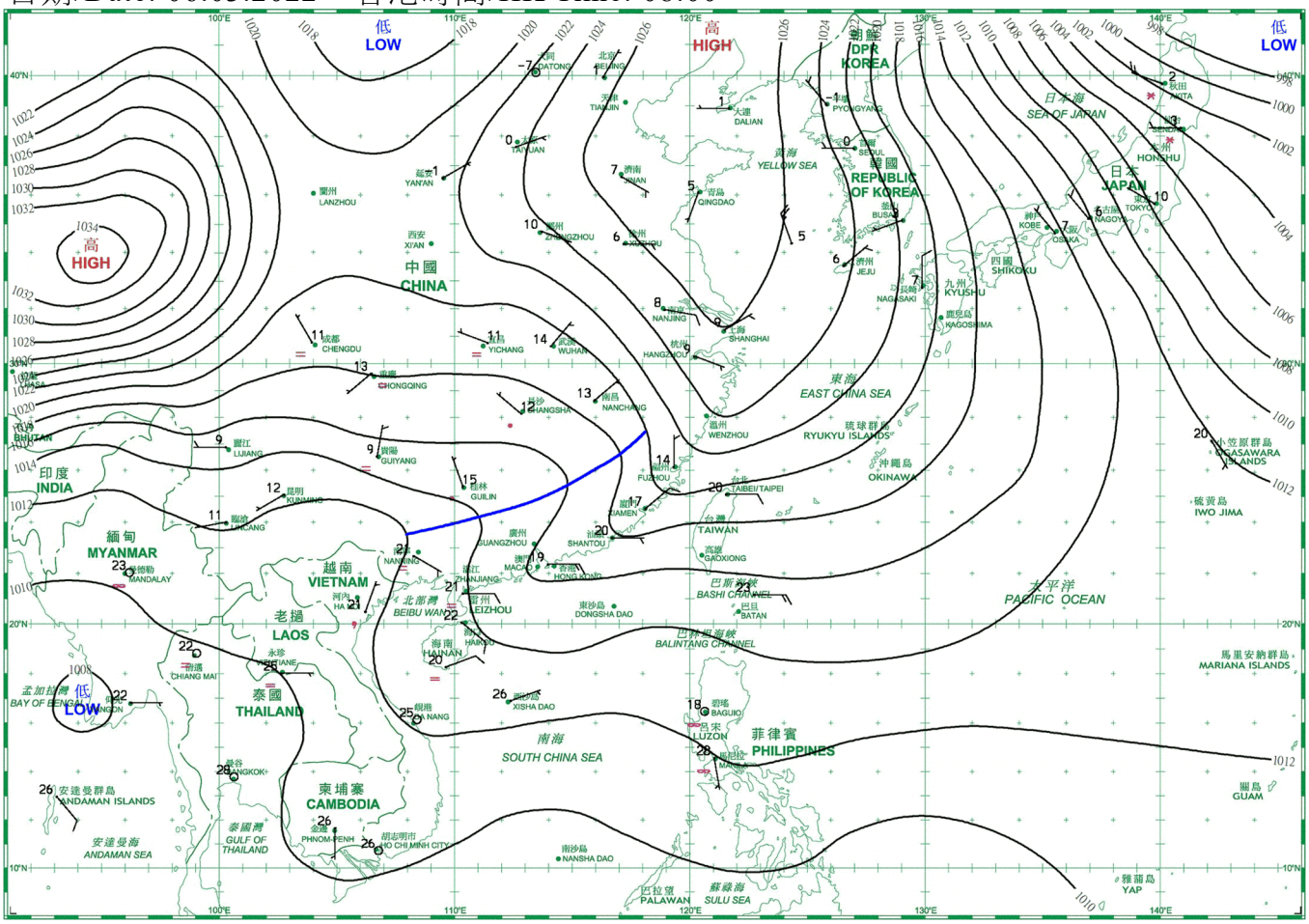

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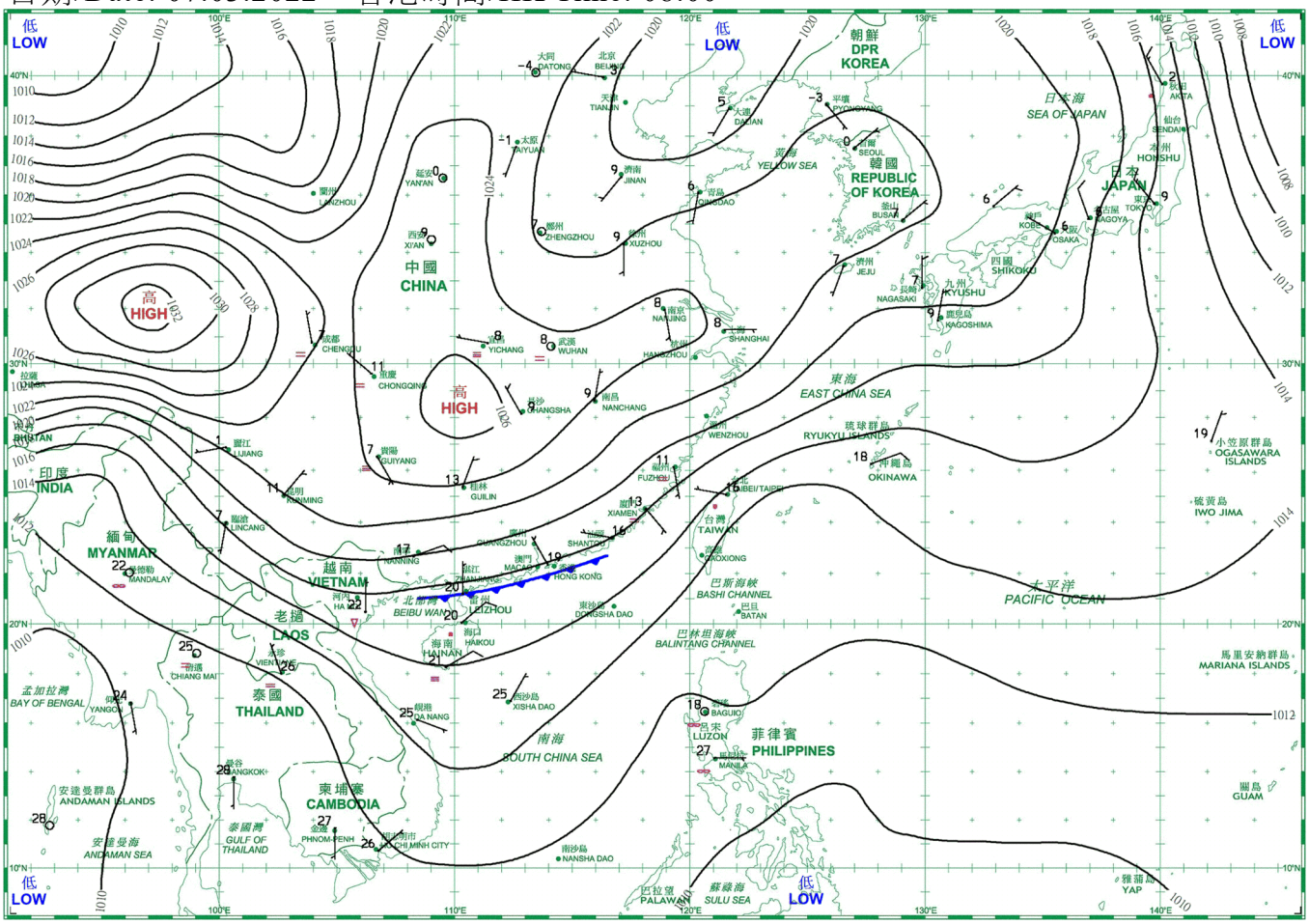

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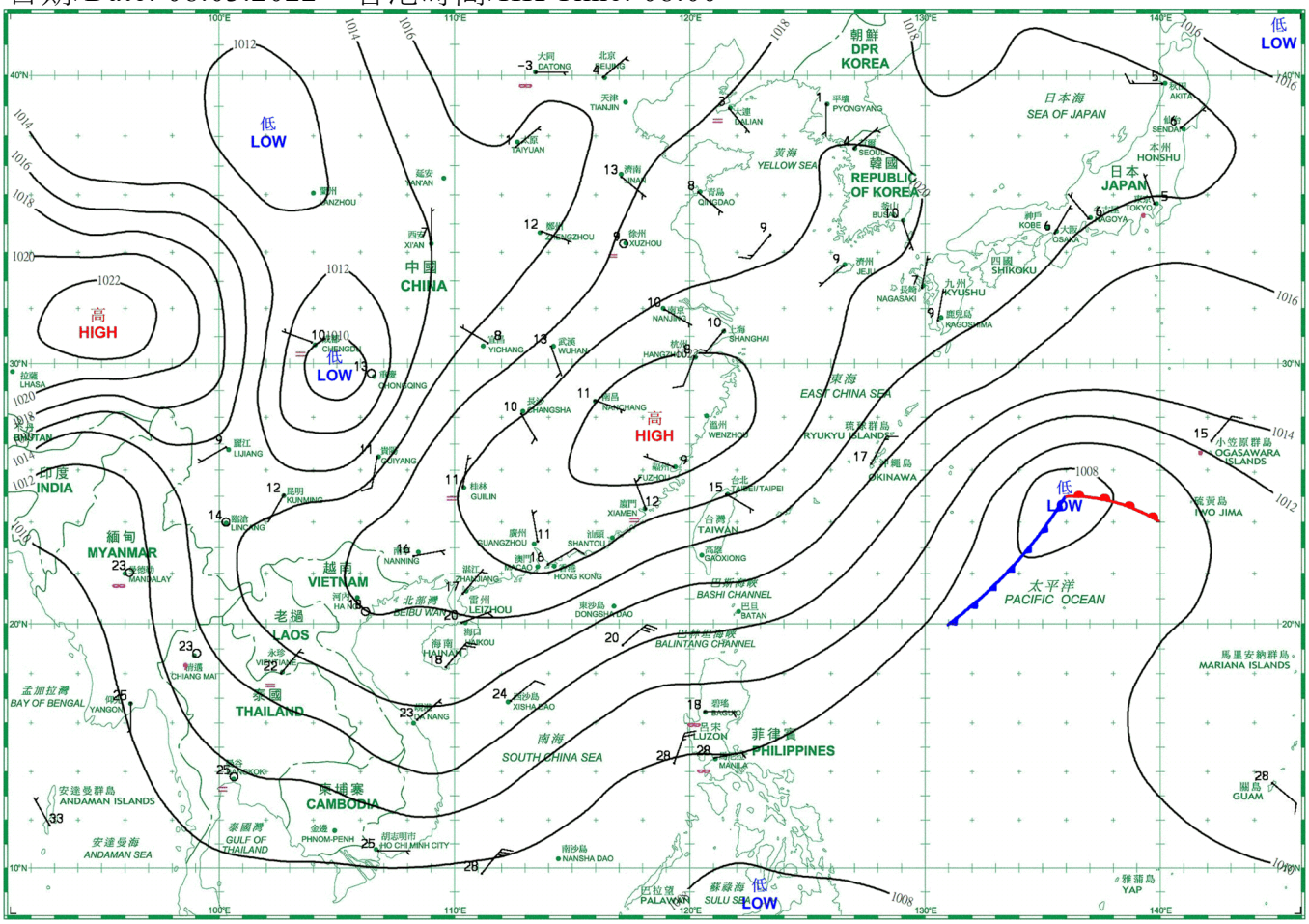

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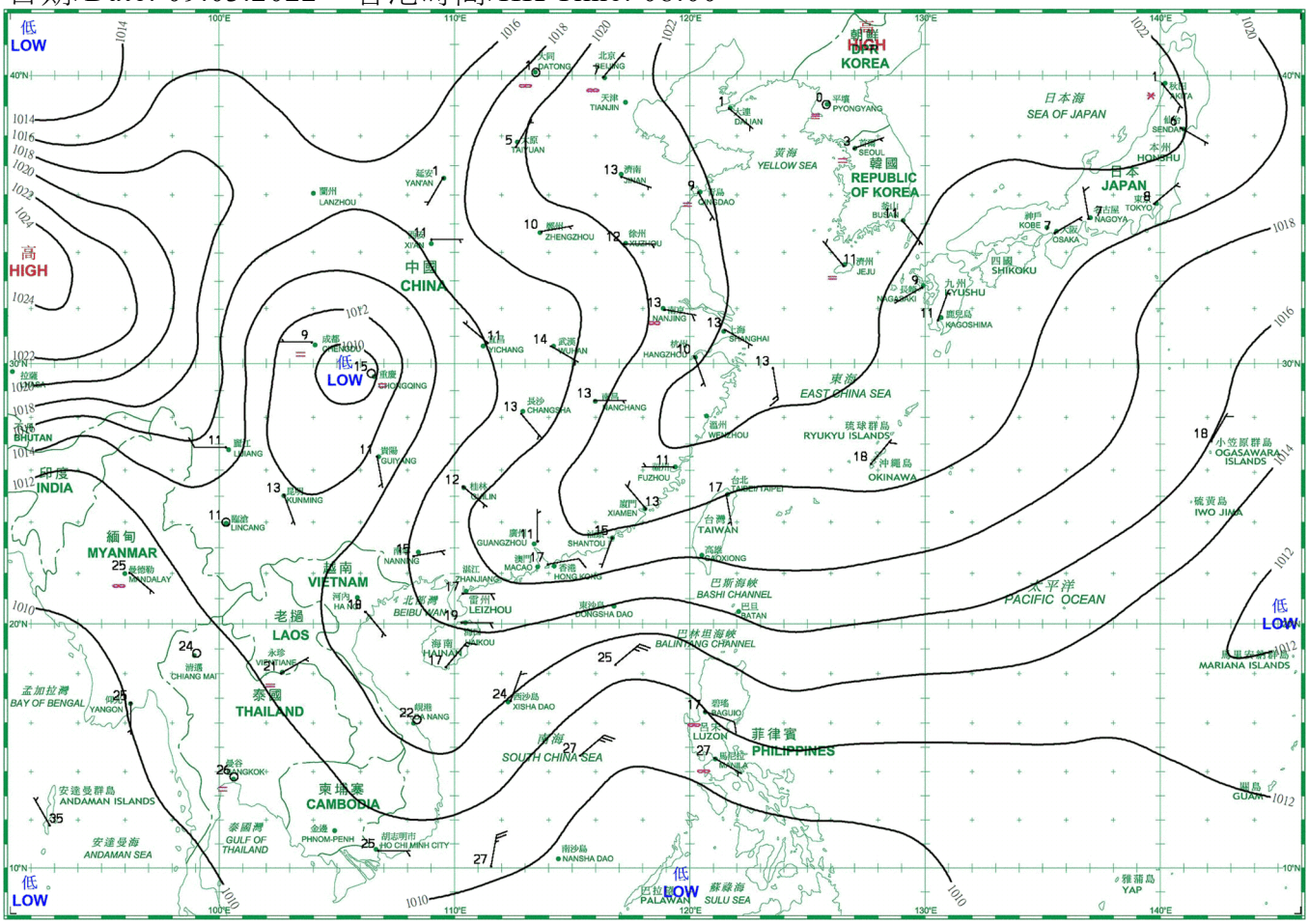

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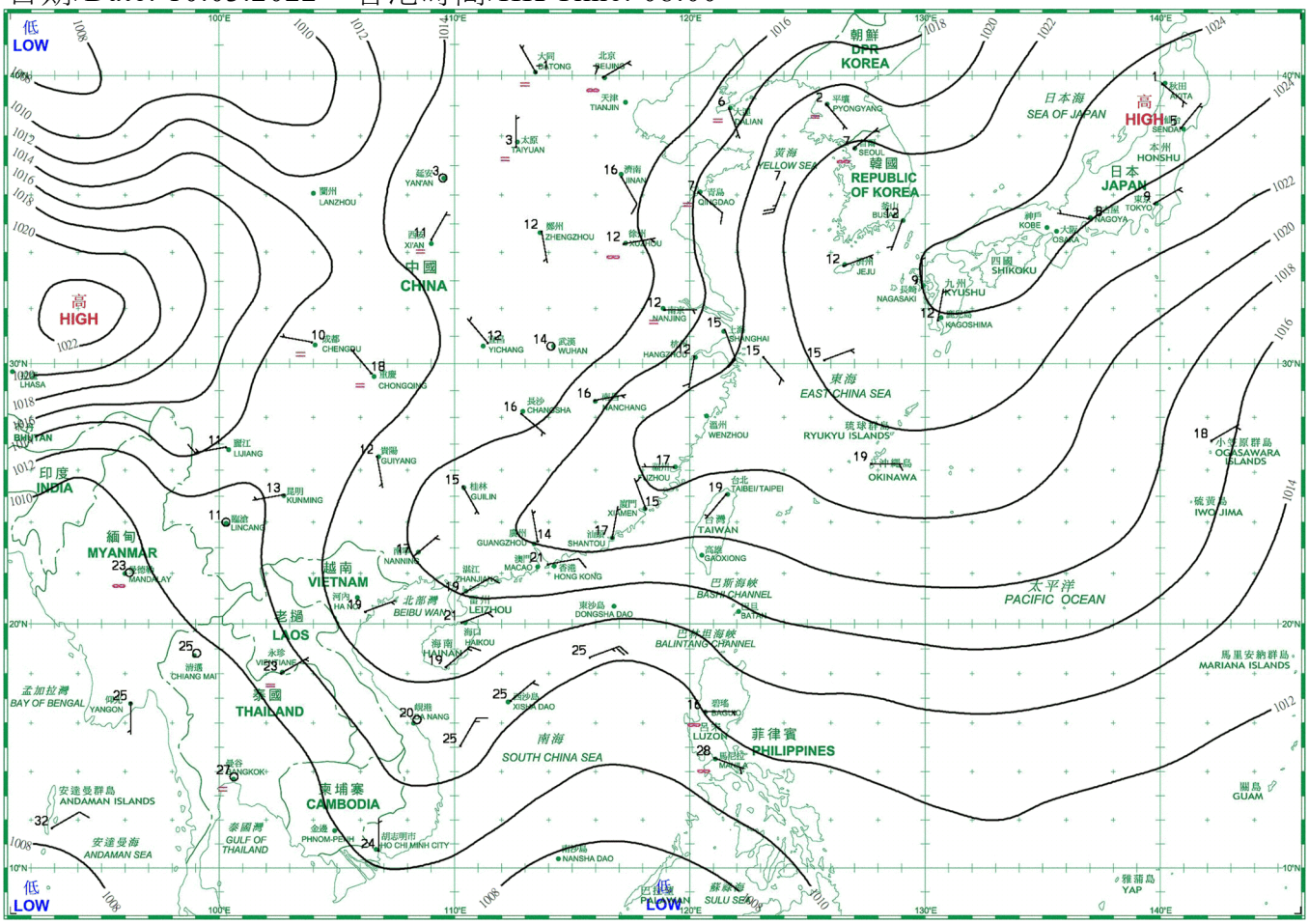

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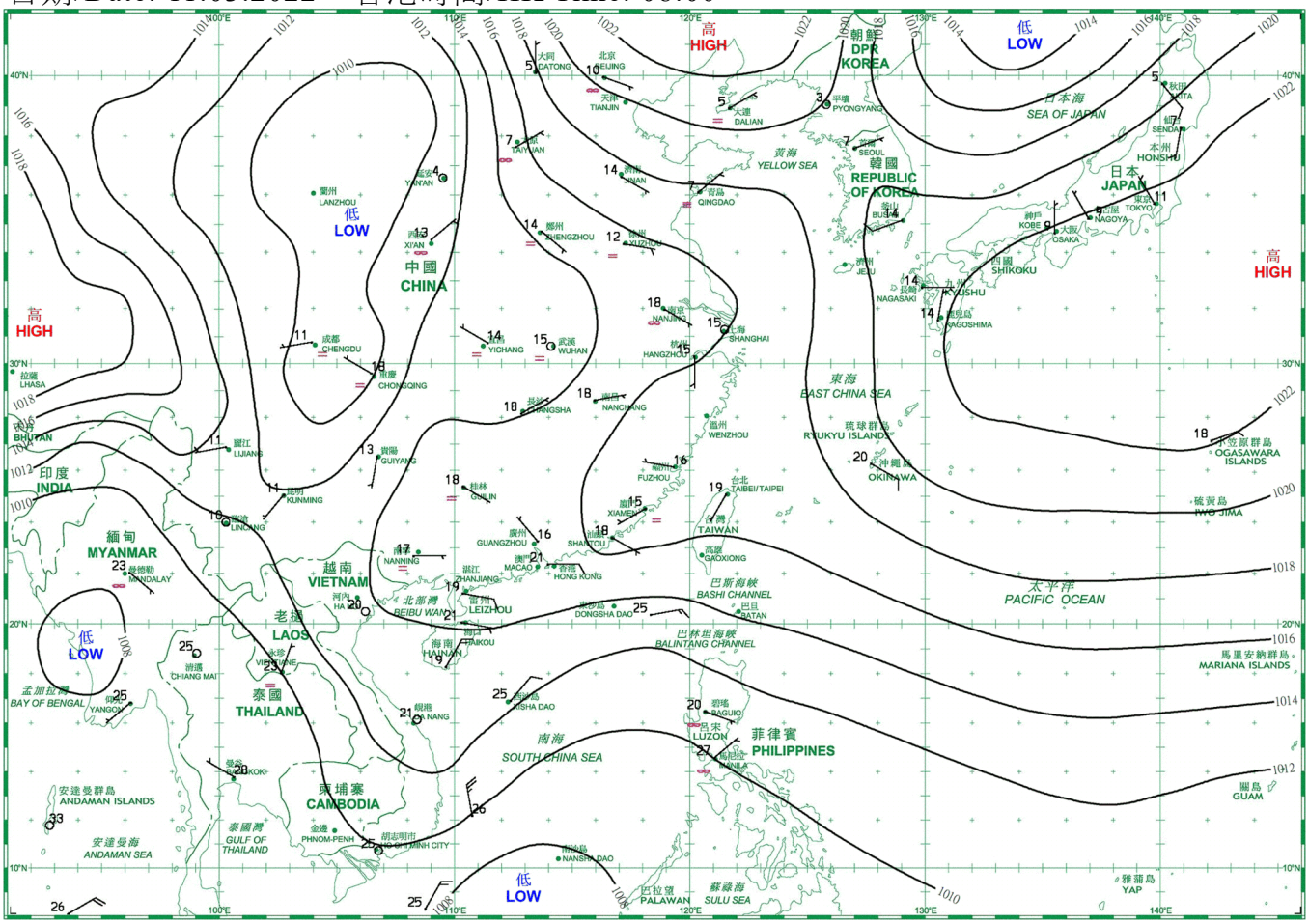

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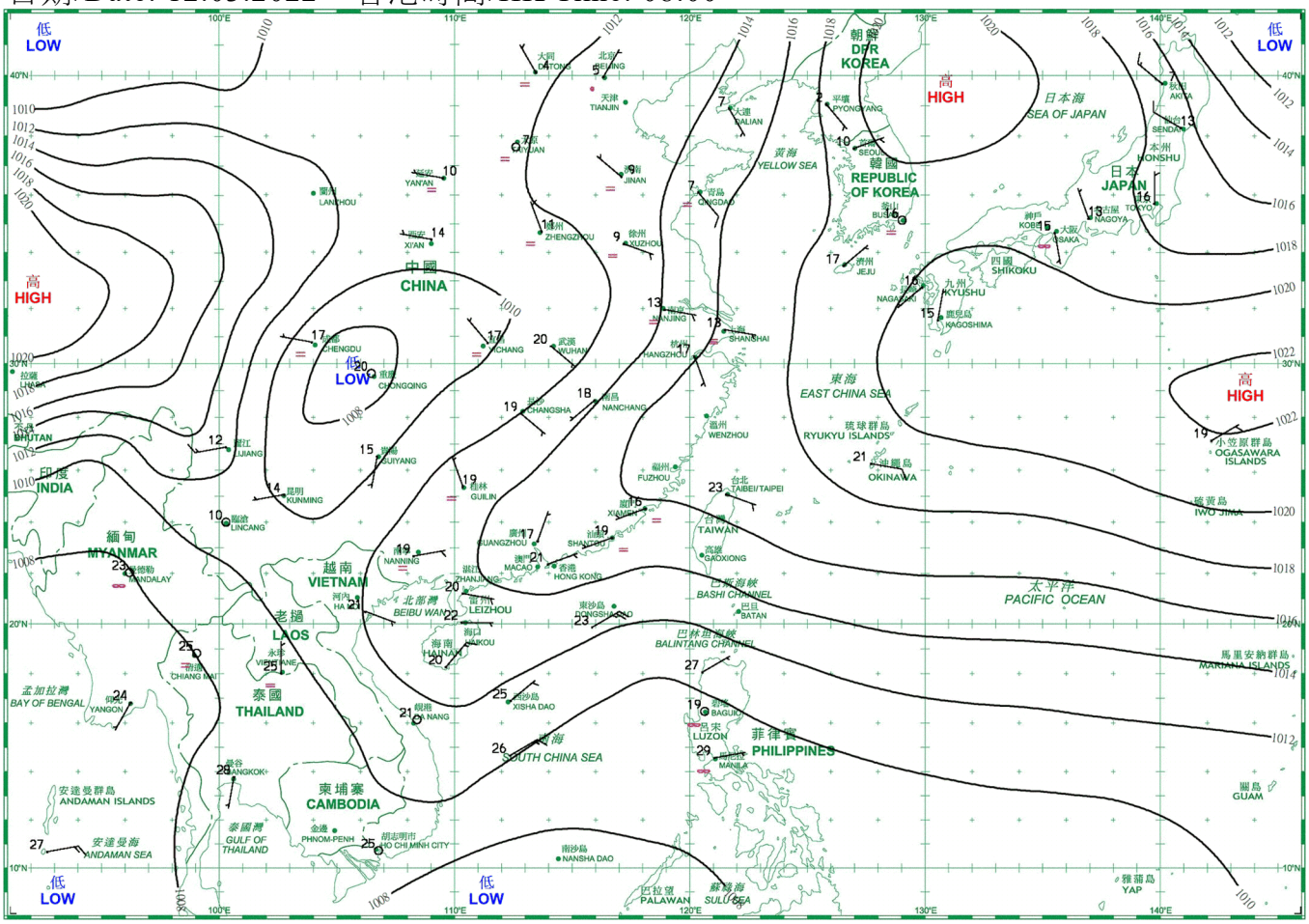

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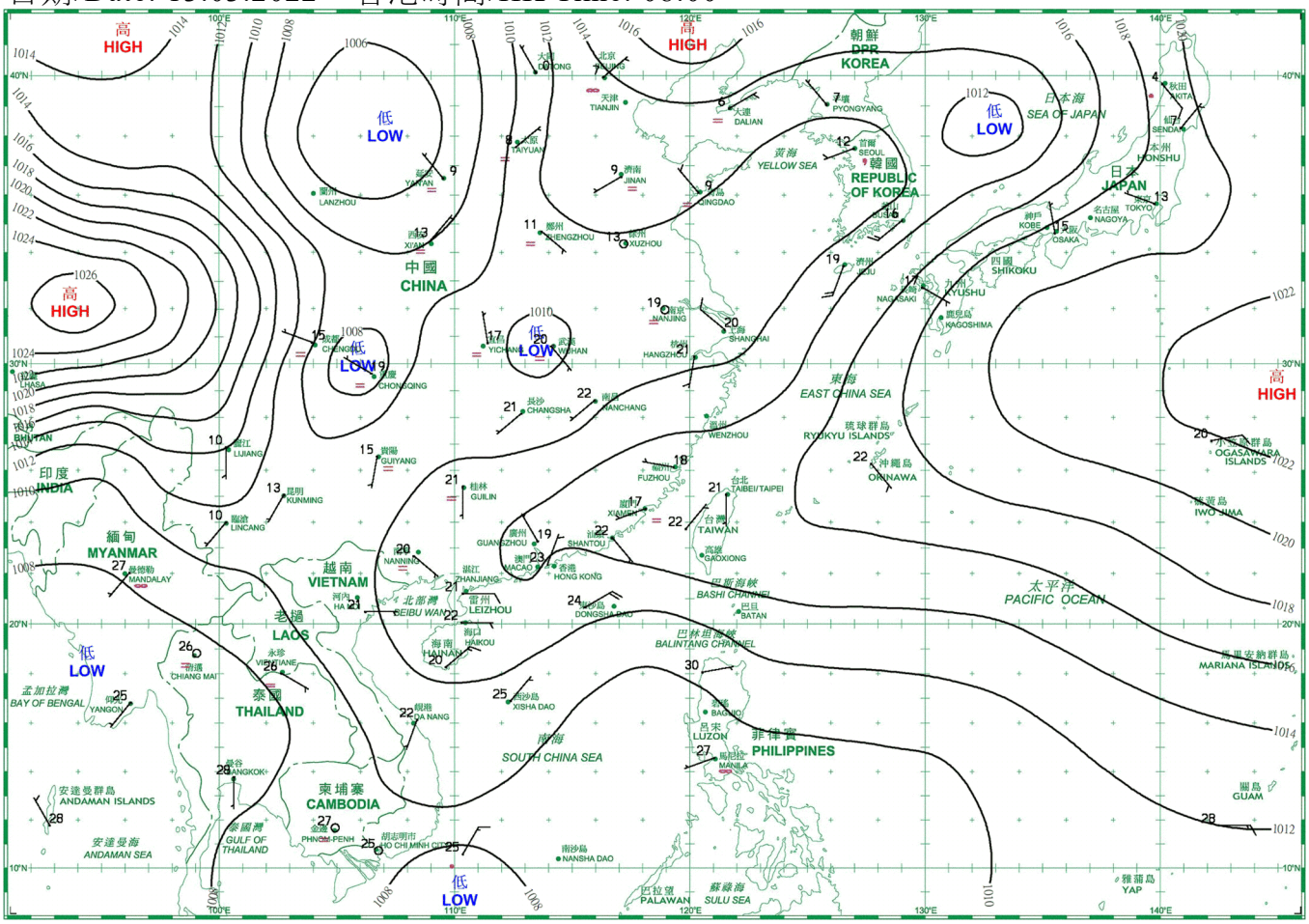

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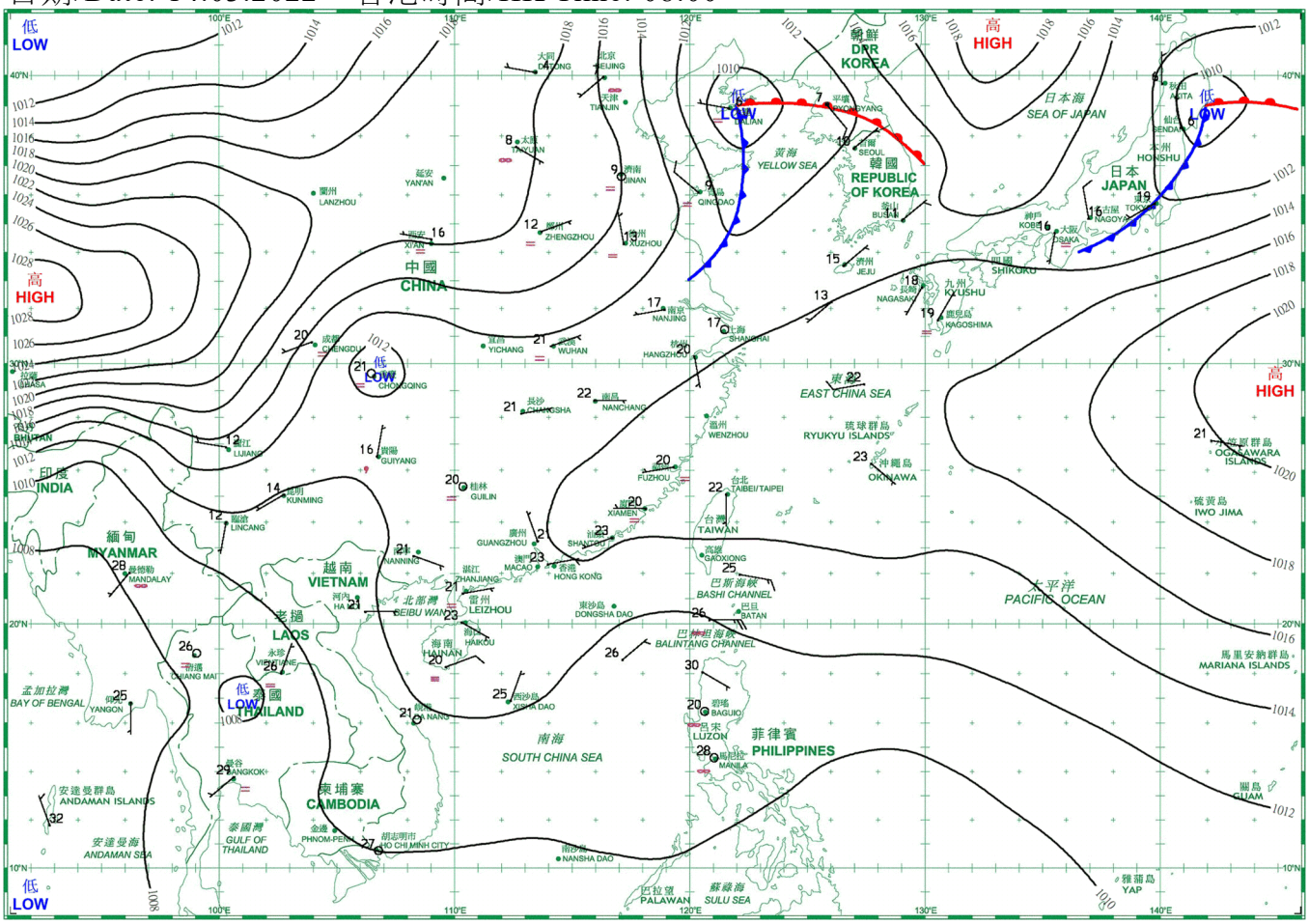

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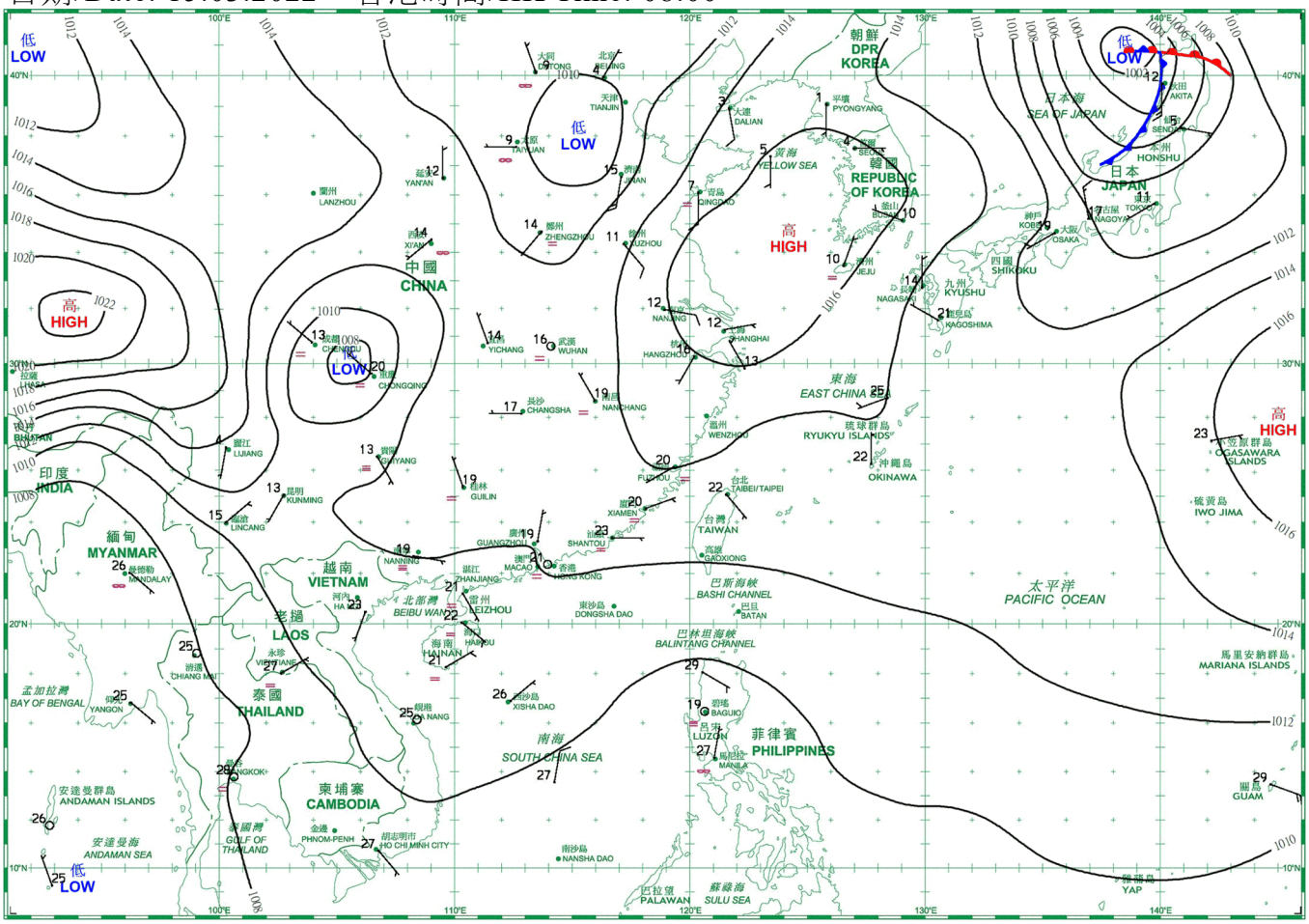

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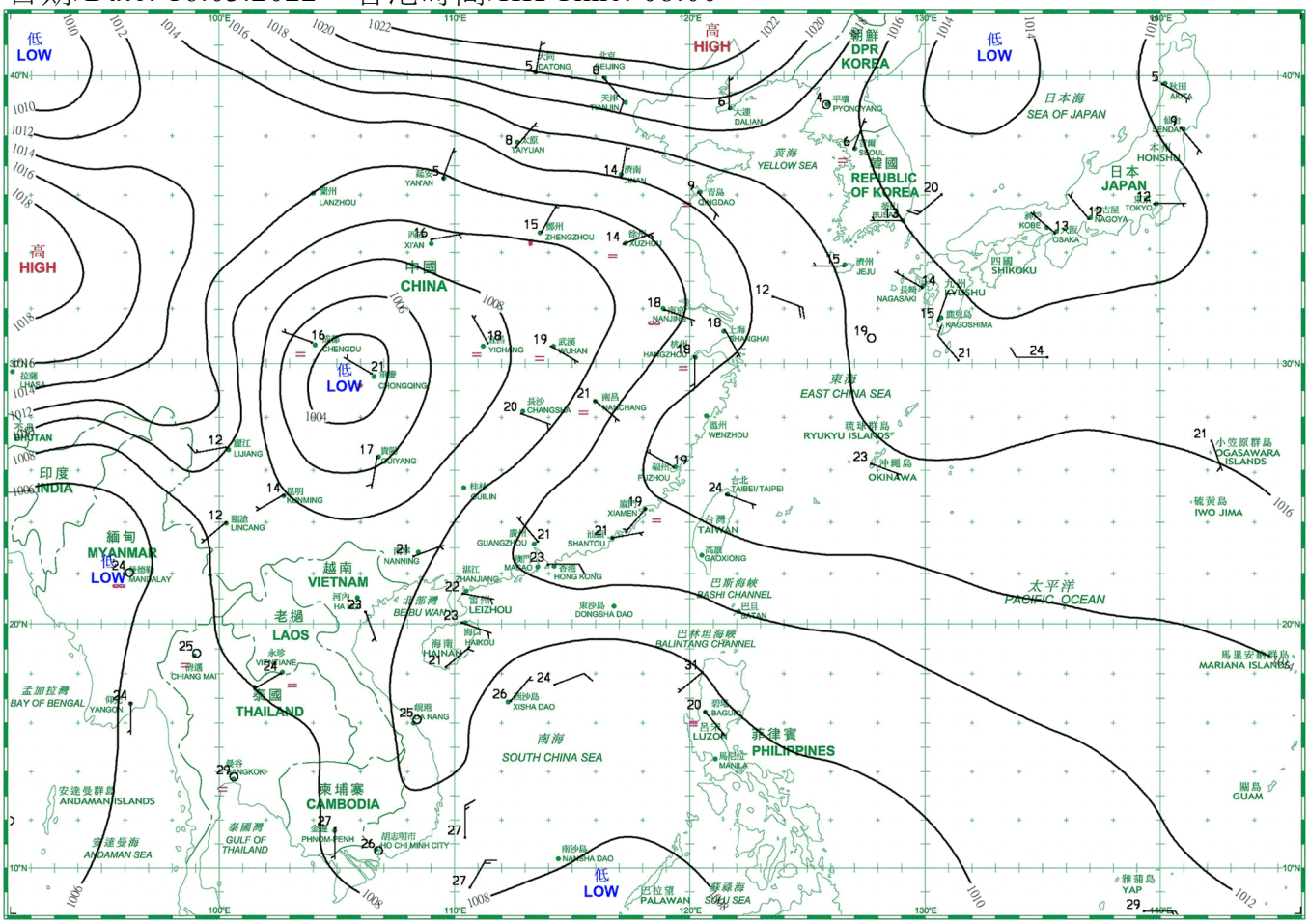

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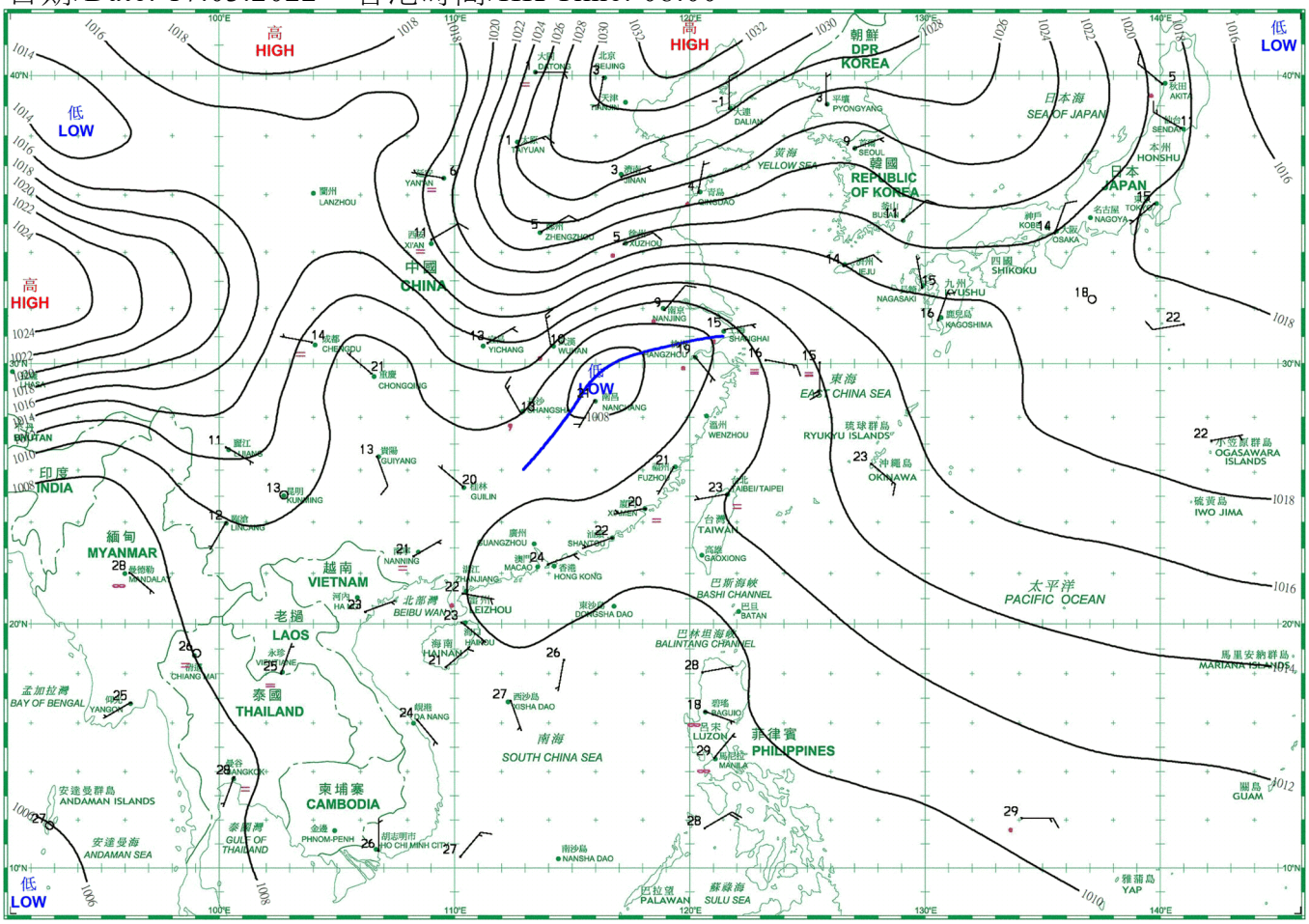

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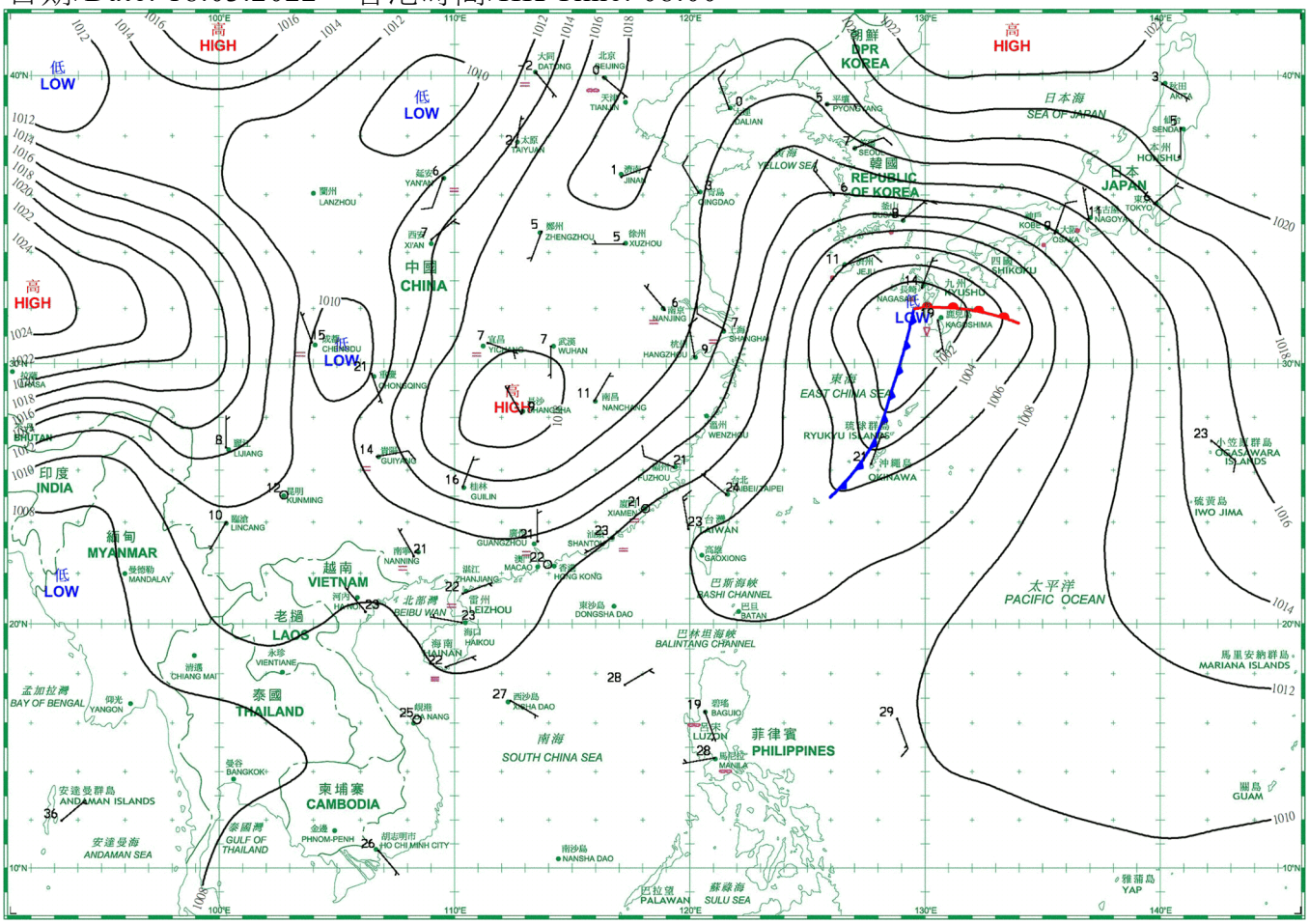

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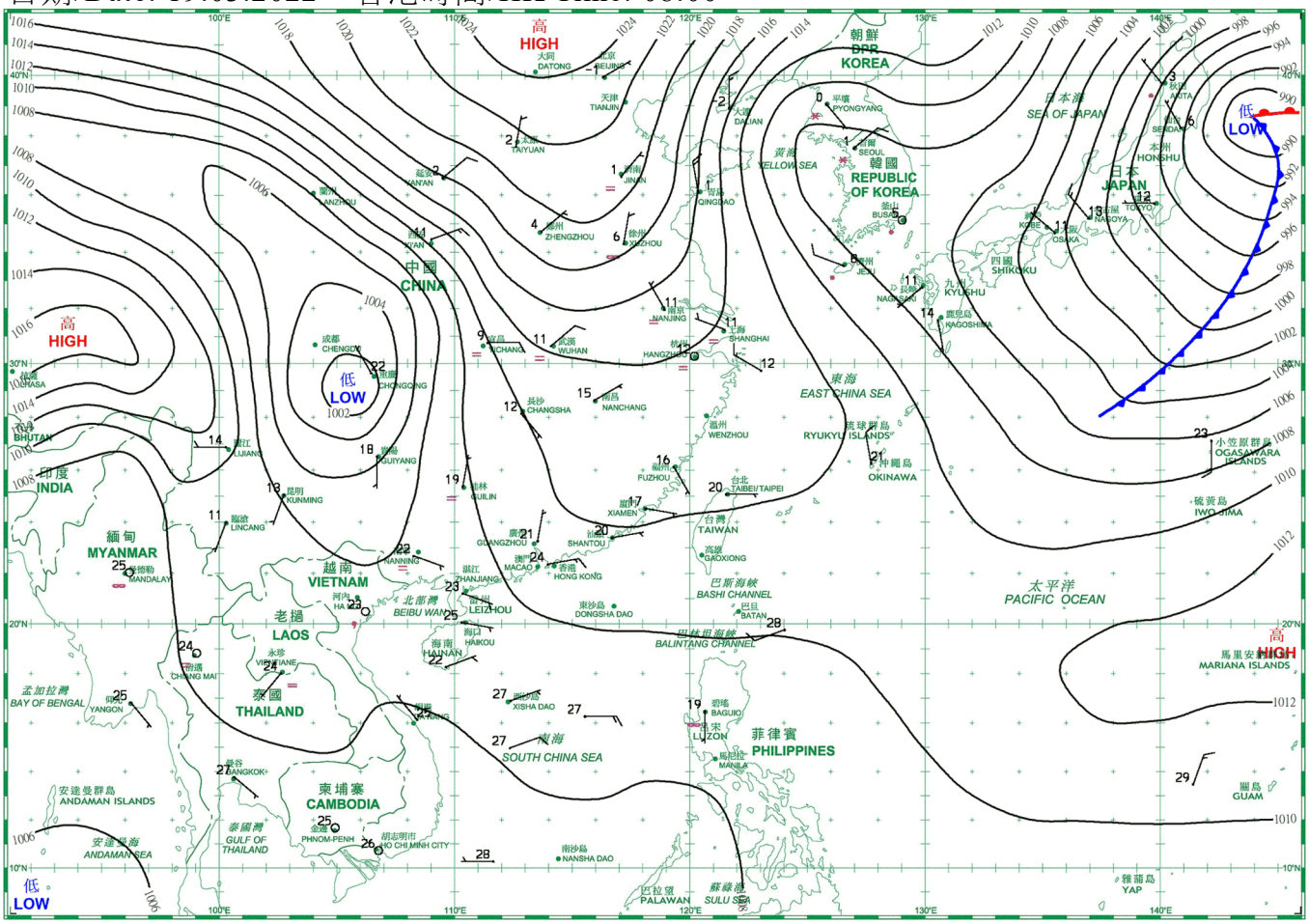

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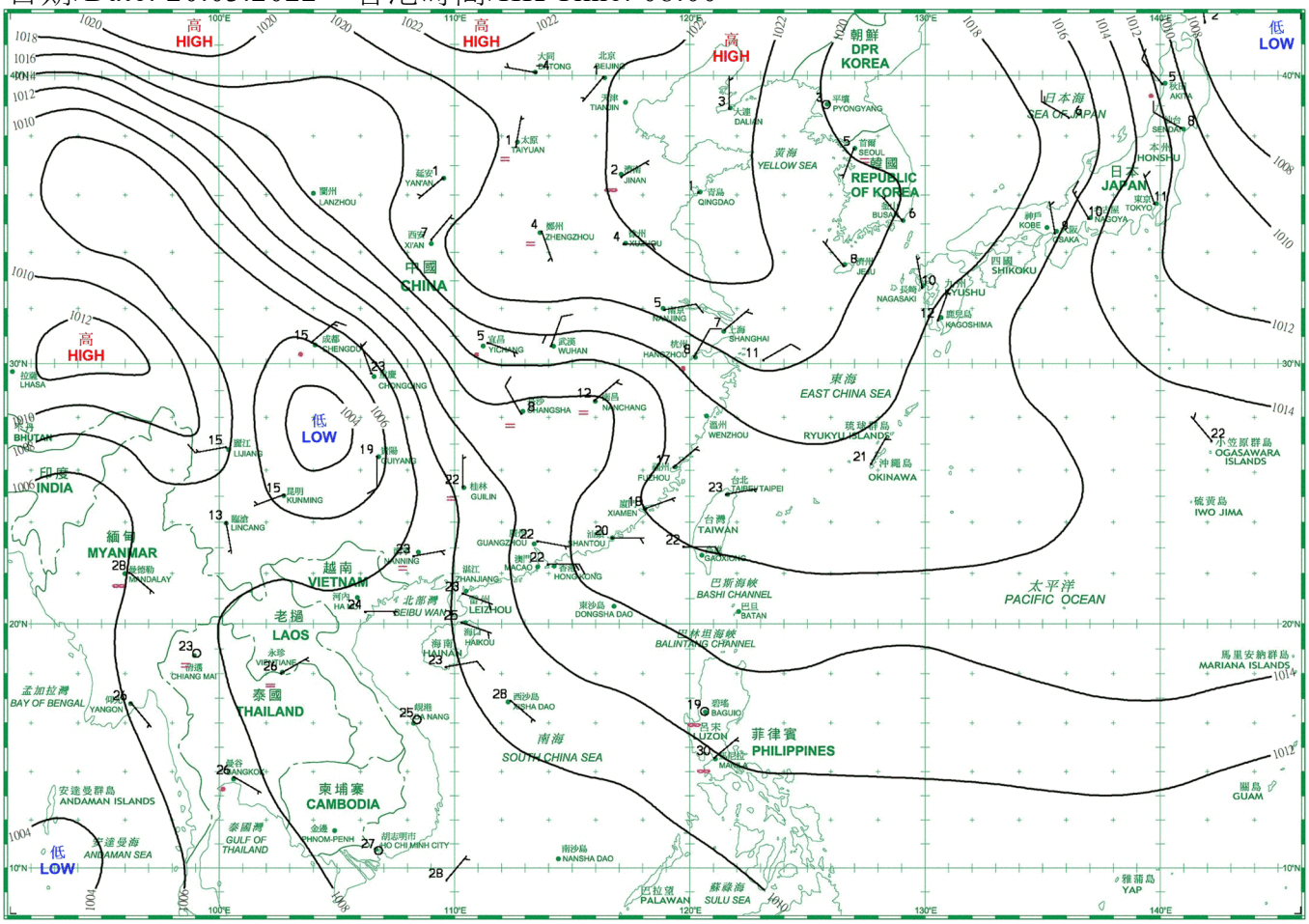

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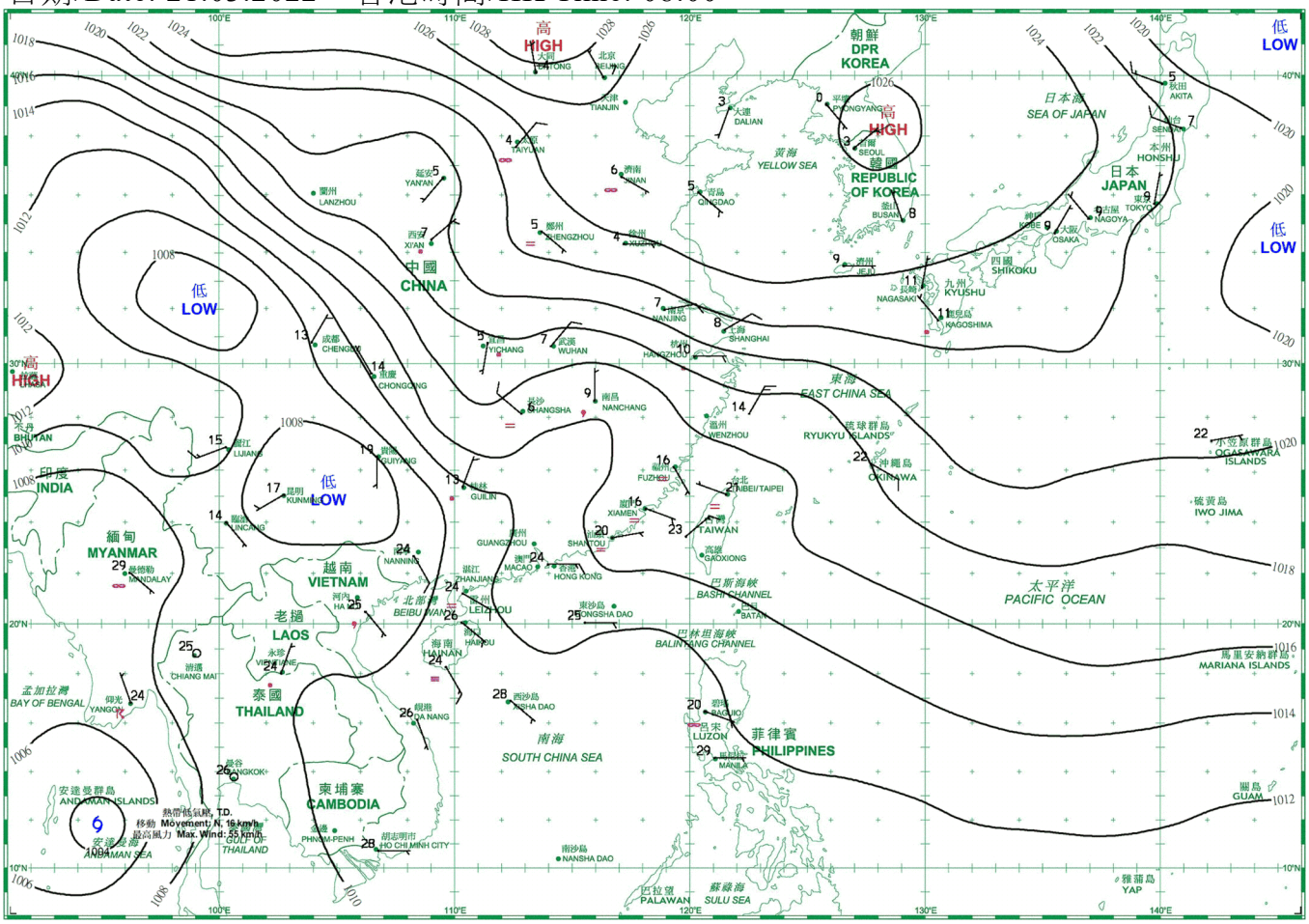

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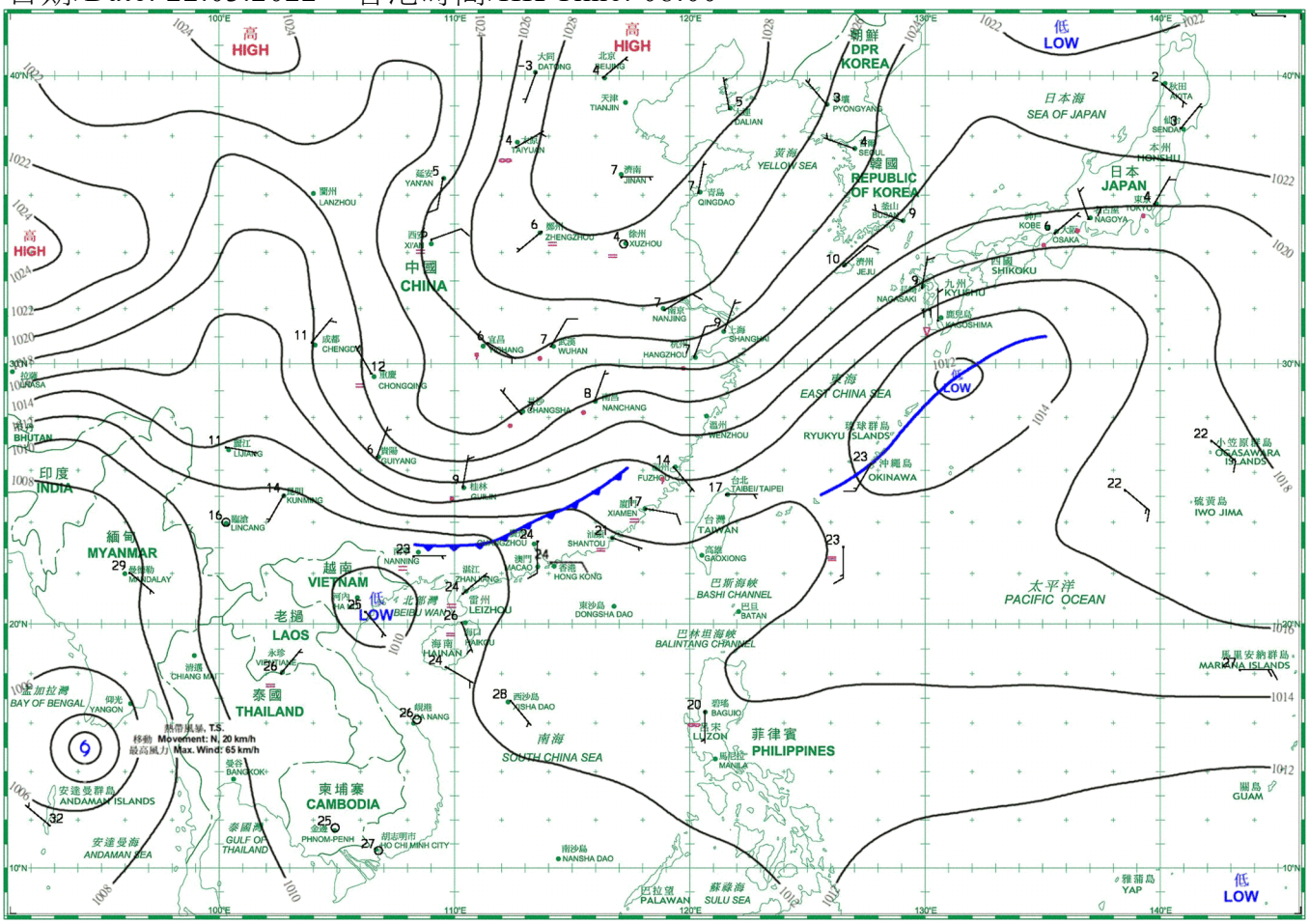

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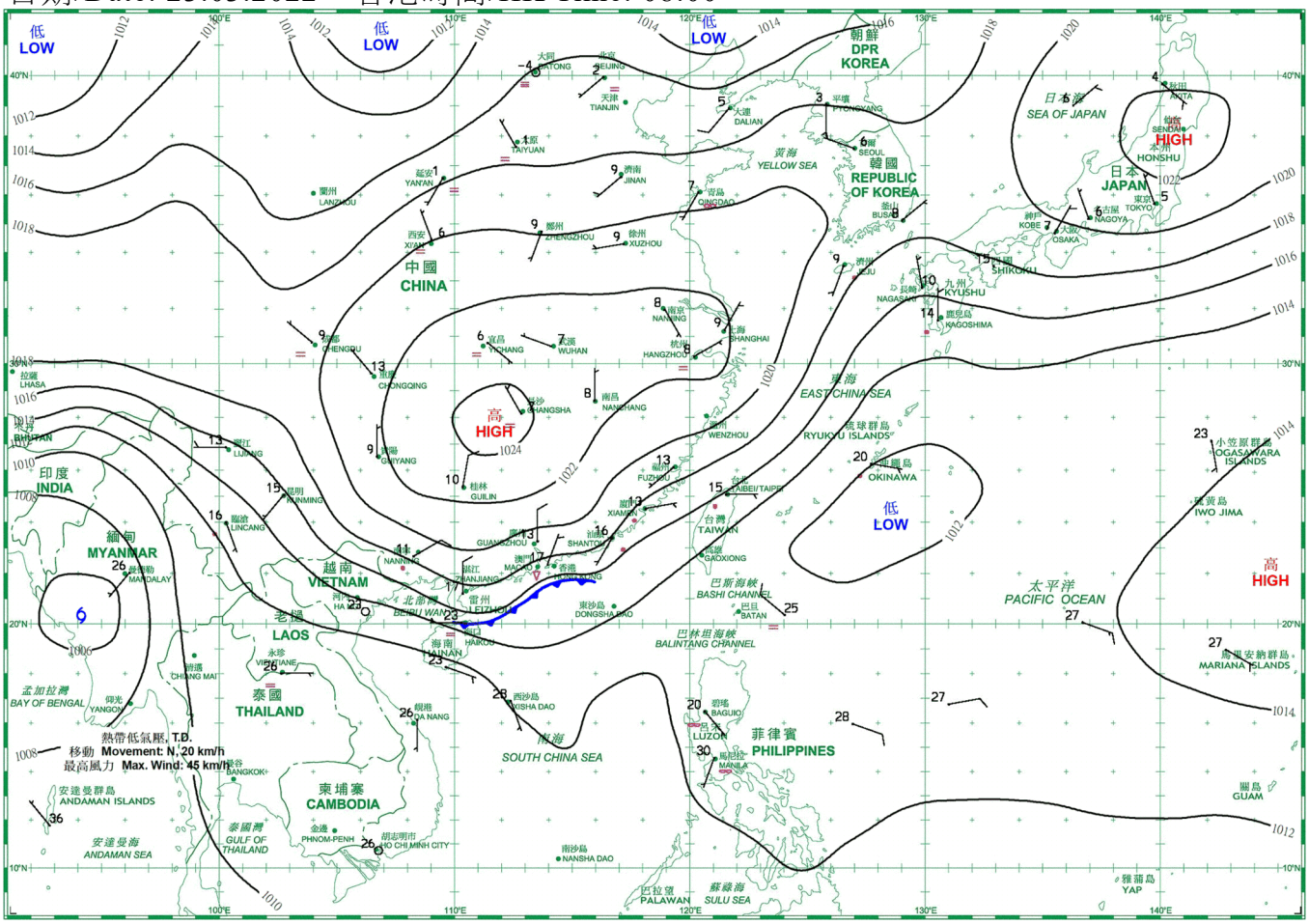

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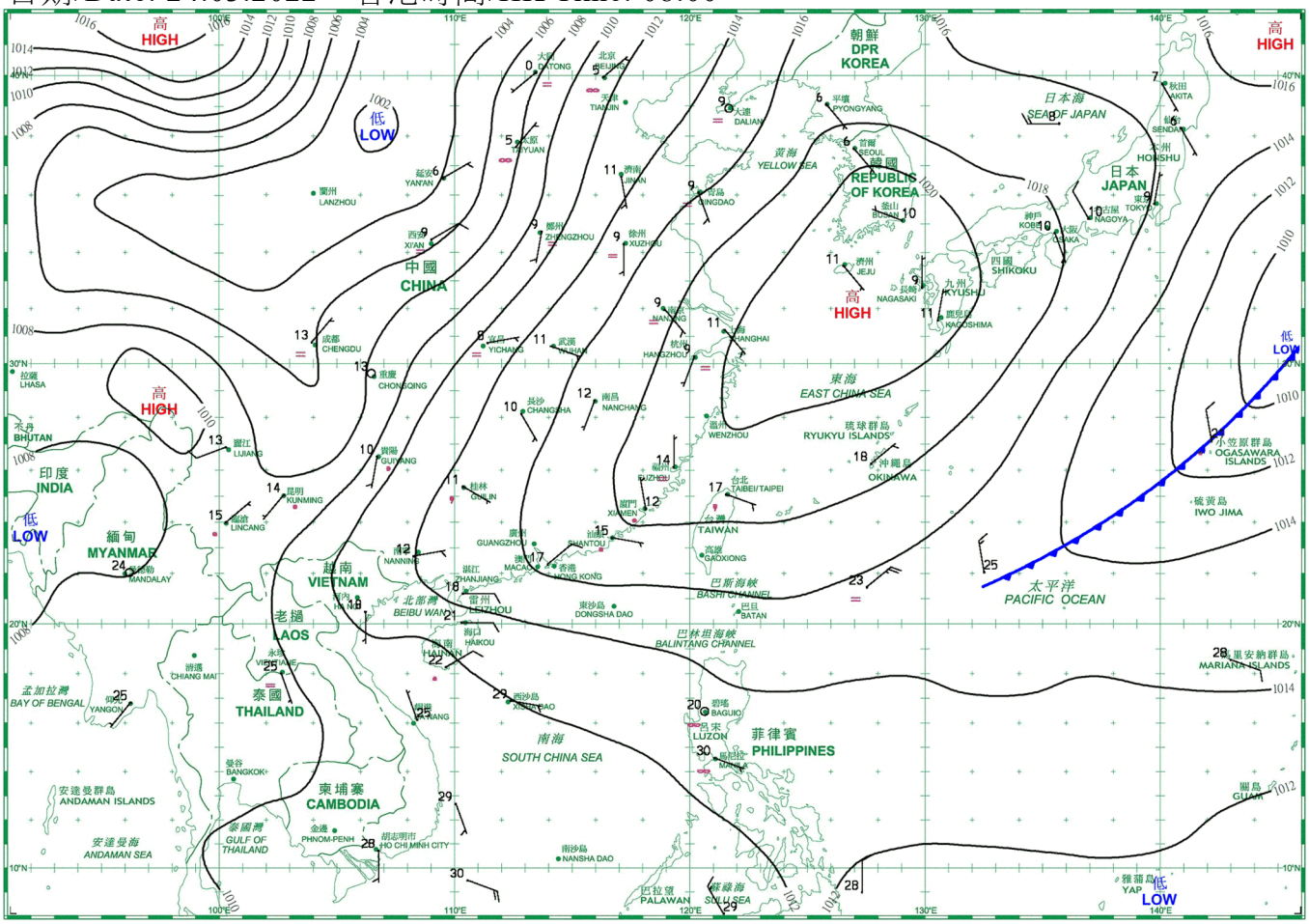
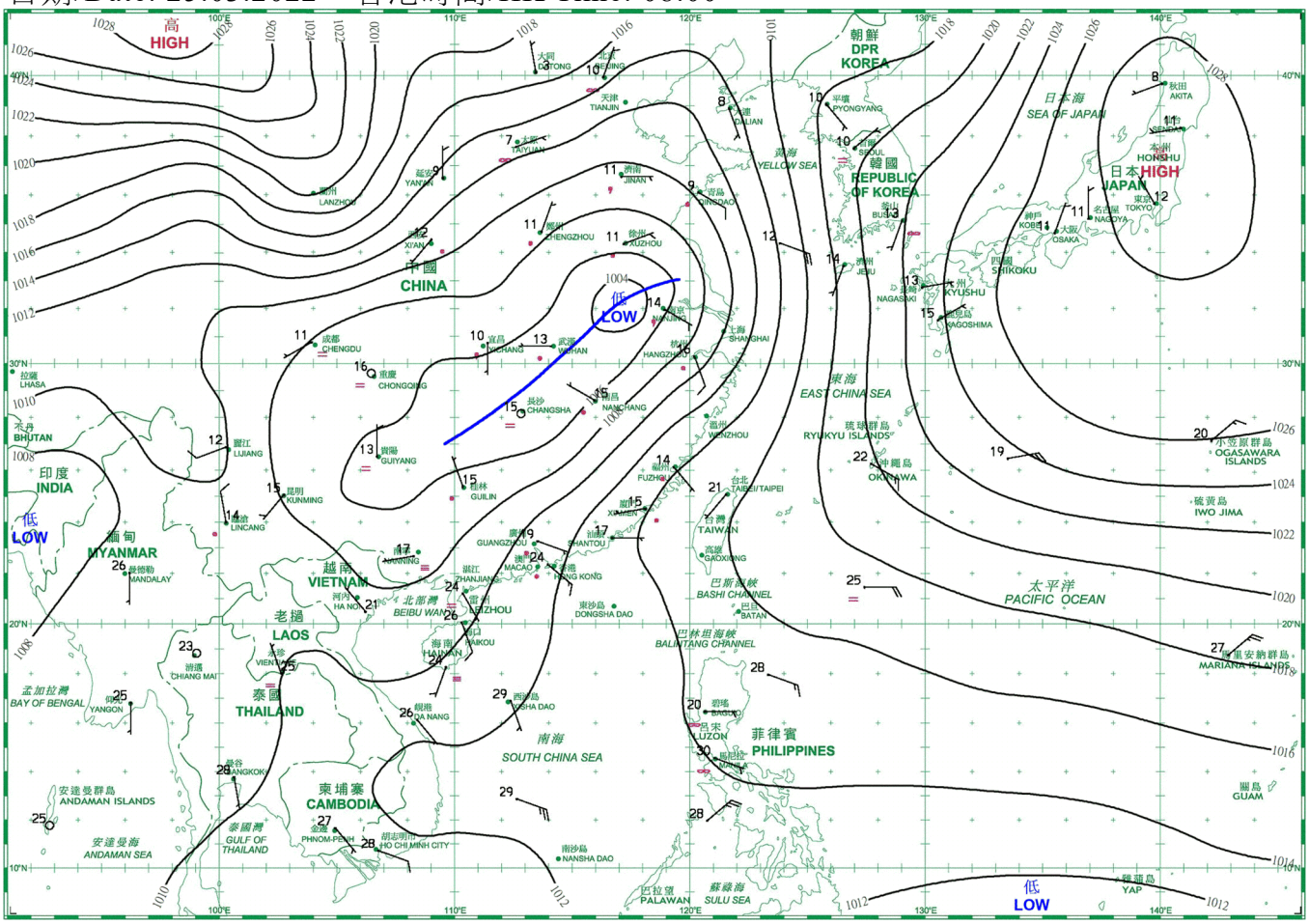
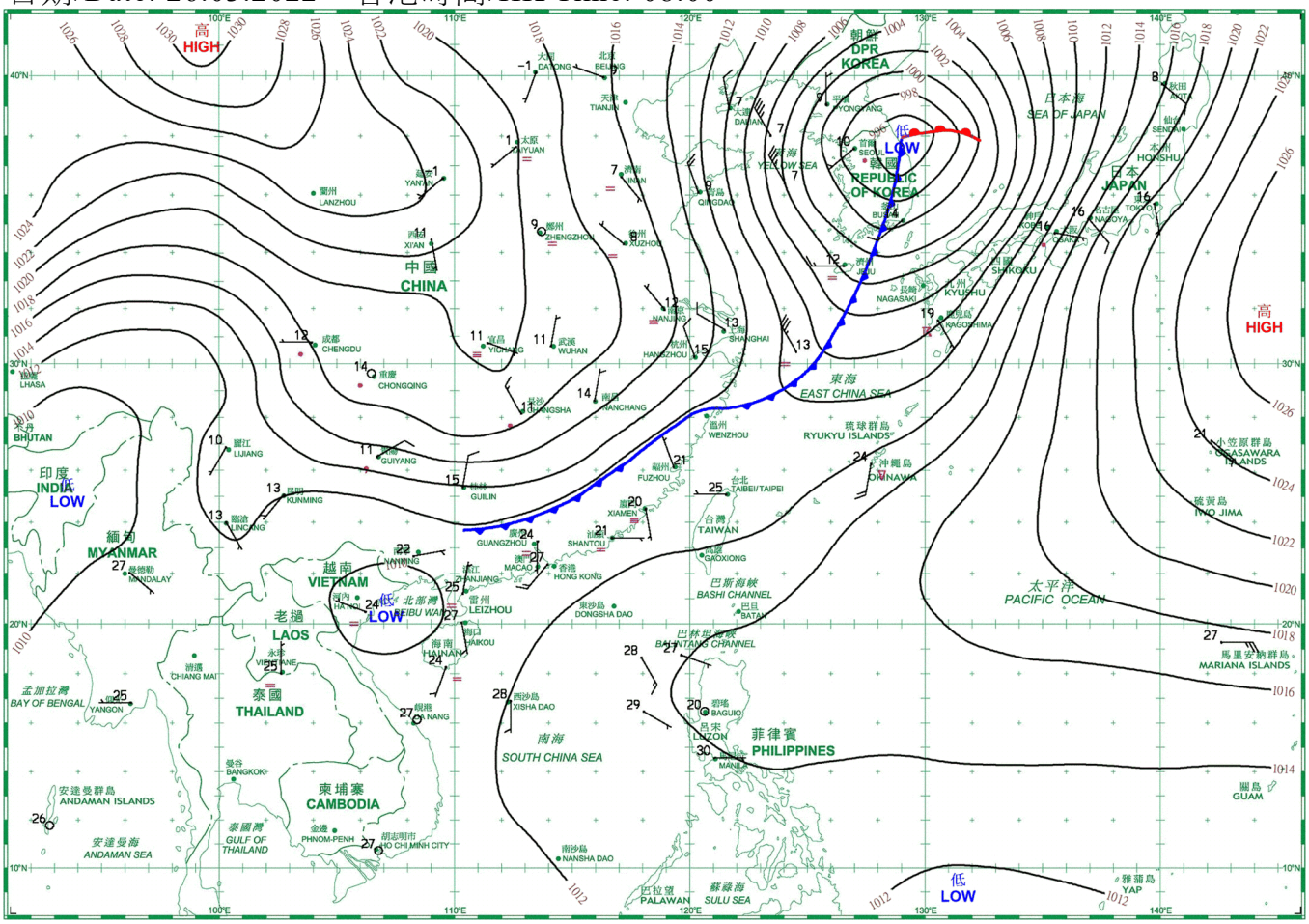


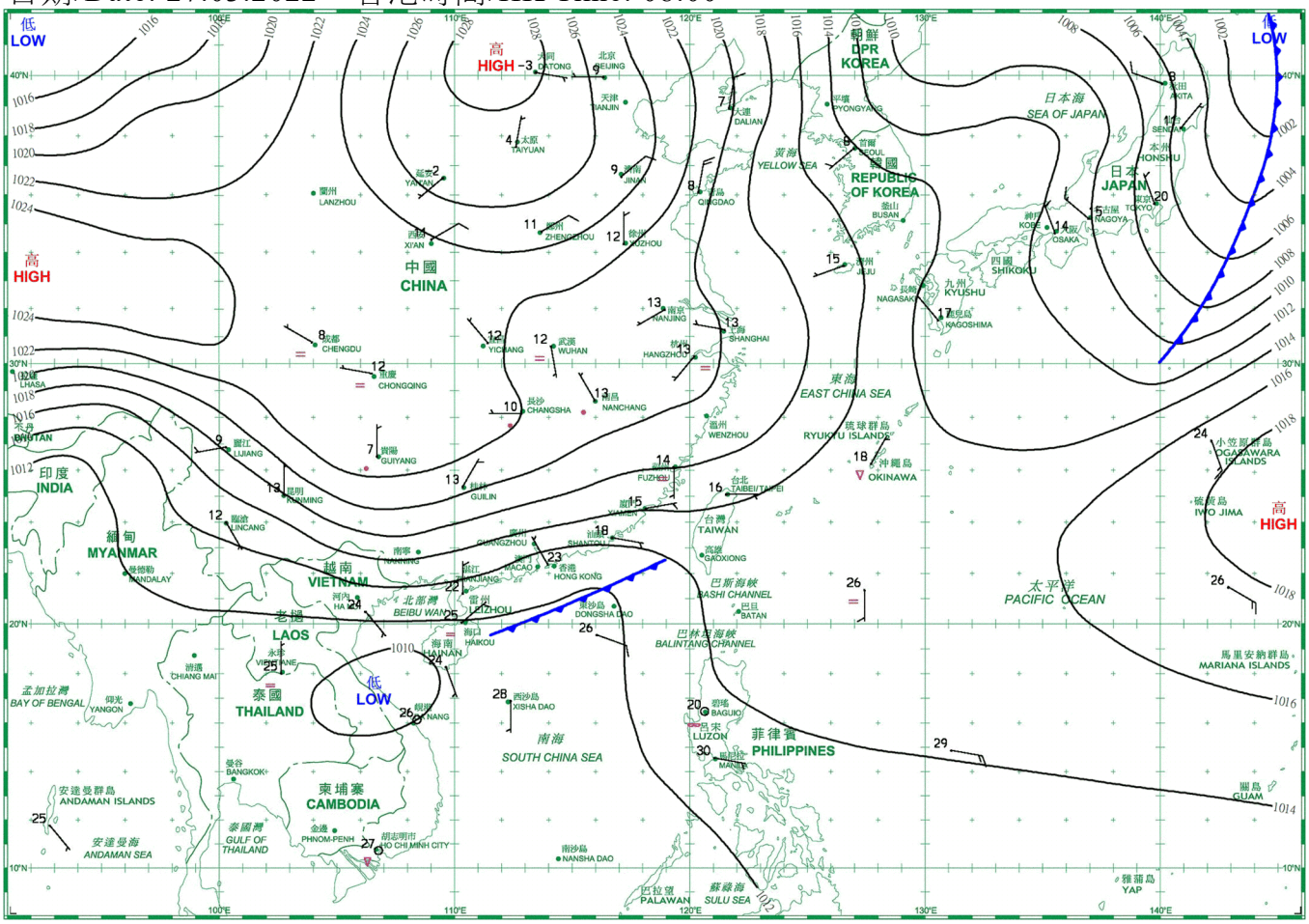
日期/Date: 25.03.2022　香港時間/HK Time: 08:00



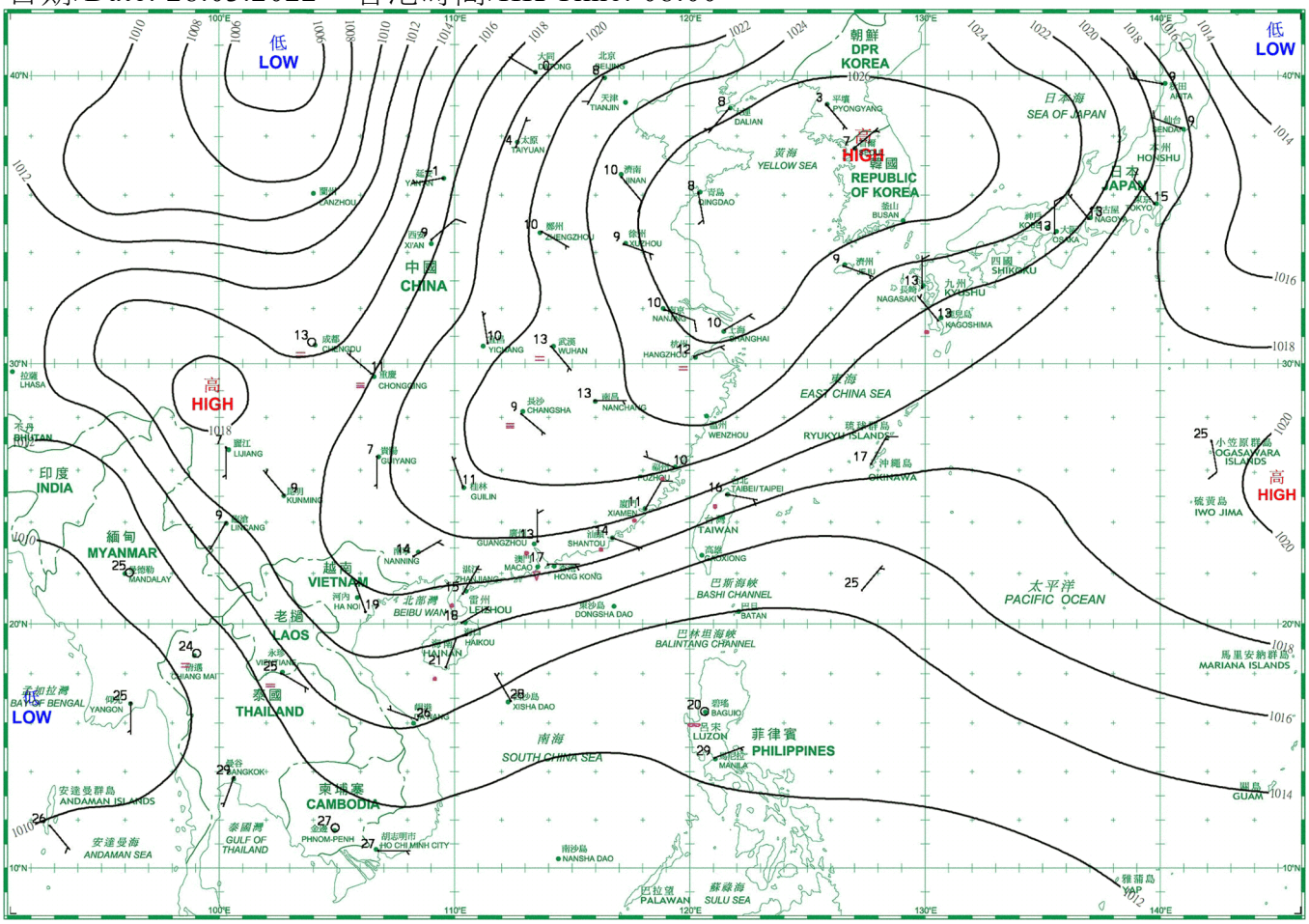
日期/Date: 26.03.2022　香港時間/HK Time: 08:00



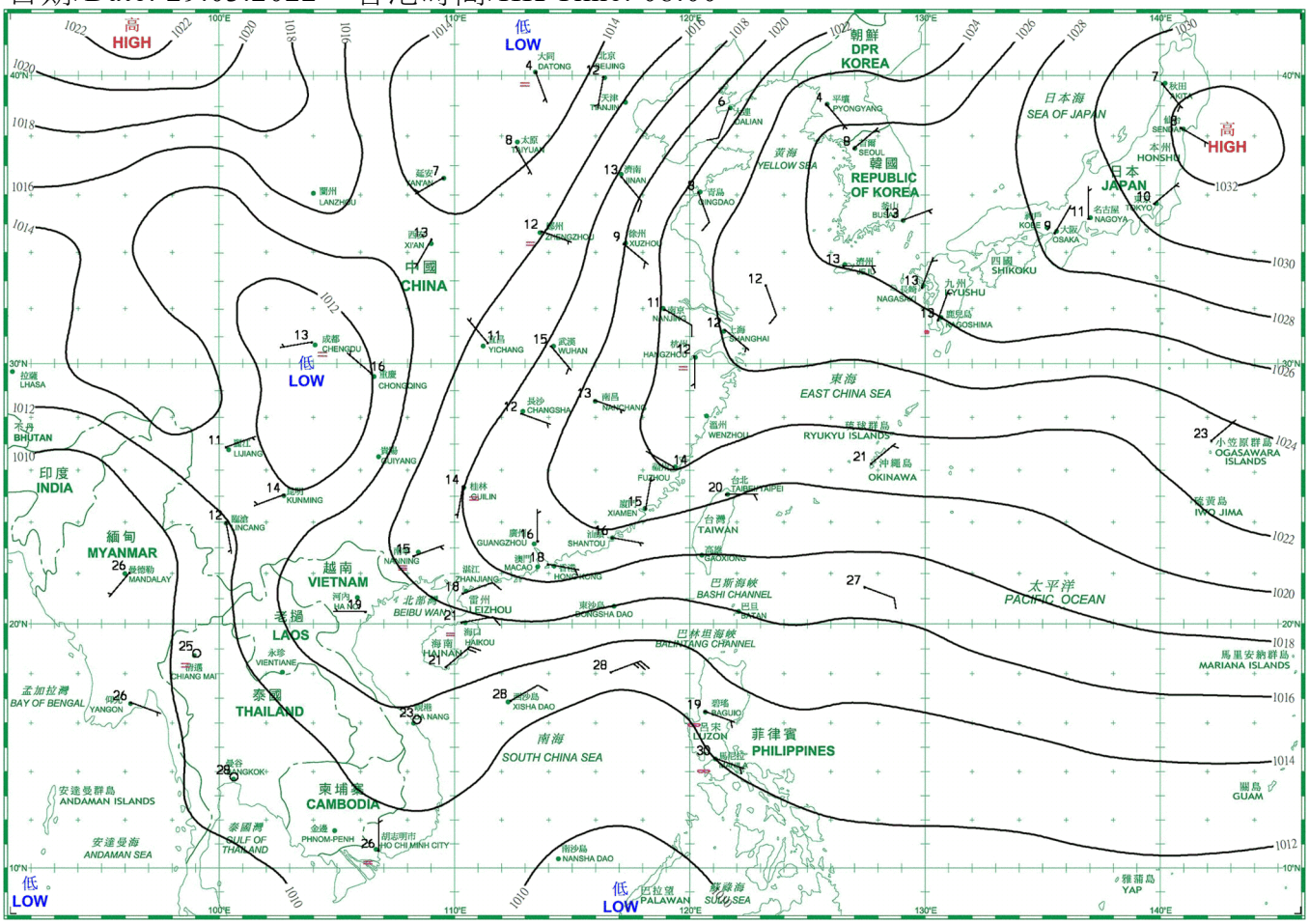
日期/Date: 27.03.2022　香港時間/HK Time: 08:00



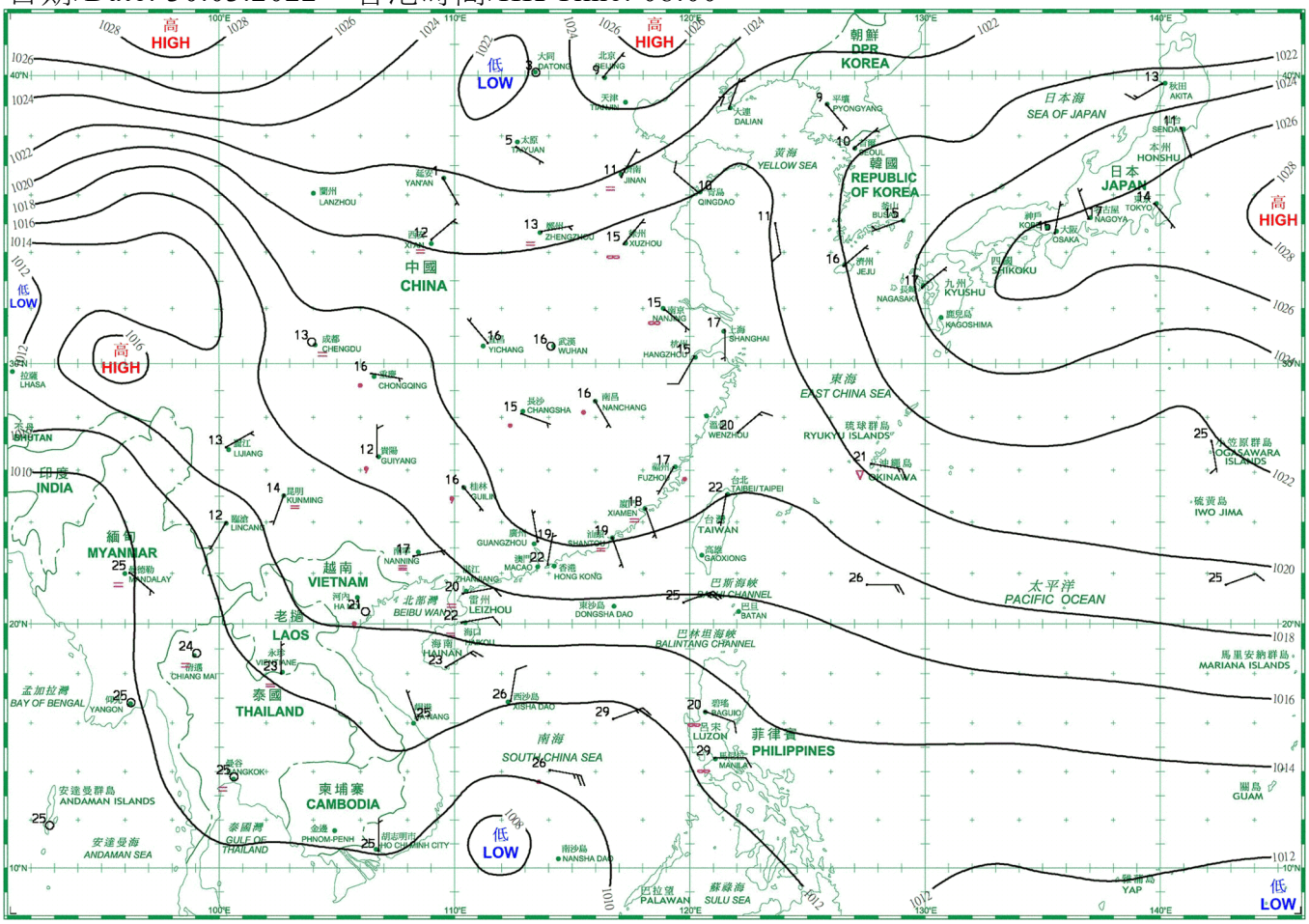
日期/Date: 28.03.2022　香港時間/HK Time: 08:00



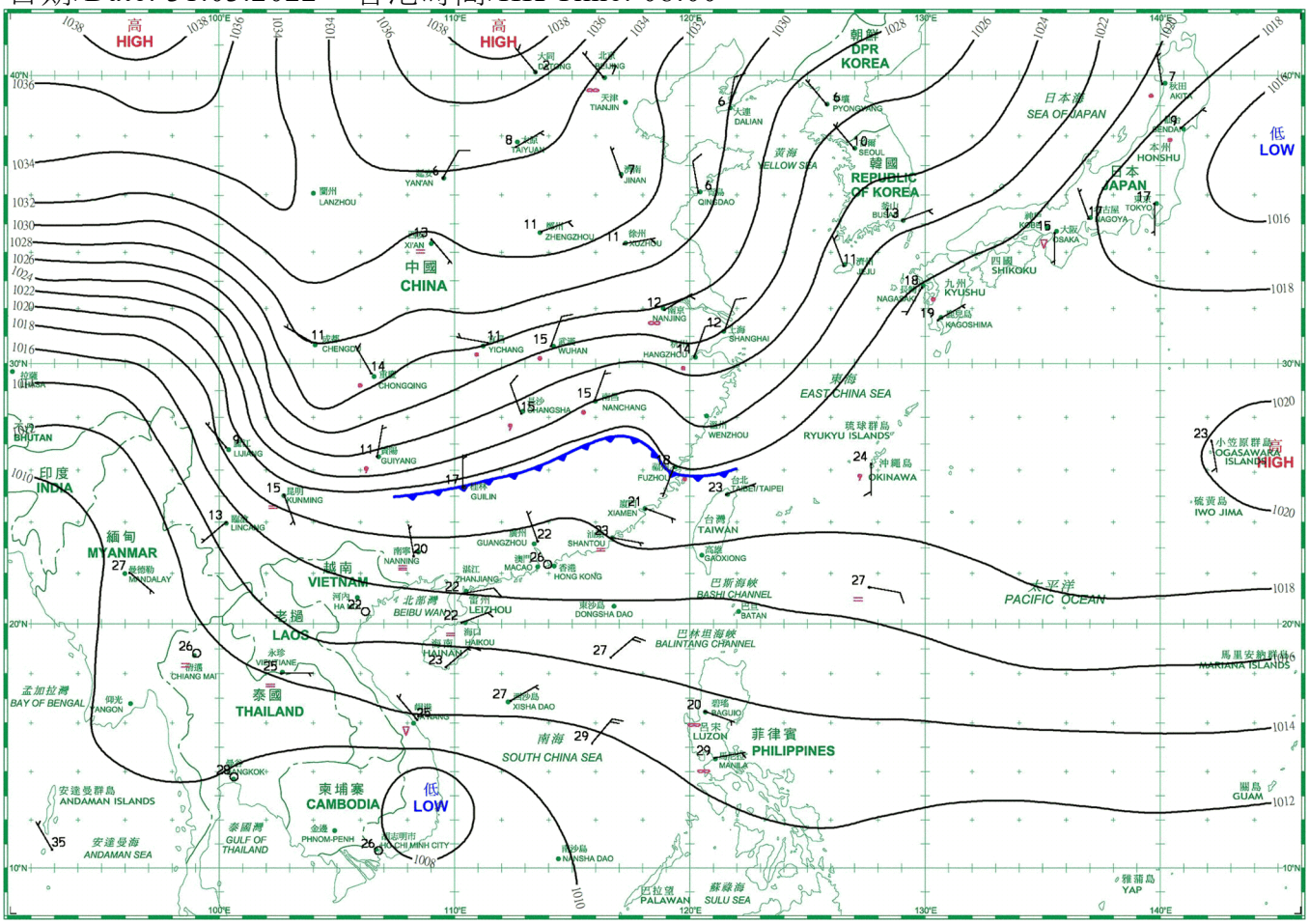
日期/Date: 29.03.2022　香港時間/HK Time: 08:00



日期/Date: 30.03.2022　香港時間/HK Time: 08:00



日期/Date: 31.03.2022　香港時間/HK Time: 08:00



3.1.1 二零二二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 2022

日期 Date	平均氣壓 Mean Pressure	氣溫 Air Temperature 最高 Maximum	平均 Mean	最低 Minimum	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
三月 March	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1016.9	26.3	22.0	19.1	17.6	77	56	-
2	1017.2	26.1	20.7	18.1	17.5	83	47	-
3	1017.2	22.6	19.5	17.4	15.0	76	56	-
4	1014.6	26.6	21.3	18.8	17.0	77	34	-
5	1013.5	24.6	20.6	17.9	17.8	84	41	-
6	1015.7	21.3	19.1	17.6	15.0	77	84	-
7	1017.2	24.6	19.8	16.8	13.6	70	62	4.8
8	1018.2	21.6	17.5	15.0	7.5	53	14	-
9	1017.2	24.3	18.7	15.1	9.7	57	14	-
10	1015.8	25.0	20.7	17.9	12.5	60	27	-
11	1014.0	26.9	22.1	18.8	16.5	71	40	-
12	1013.6	26.0	22.3	19.8	15.7	68	53	-
13	1012.8	27.7	23.6	21.0	18.8	75	47	0.1
14	1011.9	29.0	24.1	21.4	19.9	78	30	-
15	1010.8	28.4	23.8	21.1	19.9	80	43	-
16	1011.7	24.7	22.3	21.2	18.4	79	87	Tr
17	1009.4	27.7	24.3	22.1	21.5	85	79	Tr
18	1008.8	28.7	24.4	21.3	21.4	84	61	-
19	1009.9	25.8	23.3	22.3	20.6	85	75	-
20	1012.6	22.9	21.0	19.9	18.9	88	88	Tr
21	1012.9	23.7	22.1	21.0	20.2	89	88	Tr
22	1012.8	25.1	23.0	21.2	21.7	93	95	Tr
23	1014.7	21.6	17.7	16.3	16.6	94	91	54.8
24	1014.3	18.5	17.6	16.3	16.1	91	93	1.8
25	1010.4	26.7	23.1	18.1	21.3	90	92	0.7
26	1010.4	28.7	26.4	24.9	23.9	86	88	0.1
27	1013.4	25.4	21.9	19.1	18.9	83	88	Tr
28	1017.4	19.2	17.5	16.4	15.6	89	88	30.3
29	1017.2	21.2	19.1	17.4	15.8	82	86	0.1
30	1015.9	26.1	22.4	19.5	17.5	74	82	-
31	1016.3	29.3	24.4	21.9	18.2	69	56	Tr
平均/總值 Mean/Total	1014.0	25.0	21.5	19.2	17.4	79	64	92.7
正常* Normal*	1016.1	21.9	19.5	17.6	16.1	82	77	75.3
觀測站 Station	天文台 Hong Kong Observatory							

天文台於三月十八日 17 時 40 分錄得本月最低氣壓 1006.5 百帕斯卡。
The minimum pressure recorded at the Hong Kong Observatory was 1006.5 hectopascals at 1740 HKT on 18 March.

天文台於三月三十一日 14 時 27 分錄得本月最高氣溫 29.3 °C。
The maximum air temperature recorded at the Hong Kong Observatory was 29.3 °C at 1427 HKT on 31 March.

天文台於三月八日 6 時 53 分錄得本月最低氣溫 15.0 °C。
The minimum air temperature recorded at the Hong Kong Observatory was 15.0 °C at 0653 HKT on 8 March.

京士柏於三月二十八日 4 時 51 分錄得本月最高1分鐘平均降雨率 70 毫米/小時。
The maximum 1-minute mean rainfall rate recorded at King's Park was 70 millimetres per hour at 0451 HKT on 28 March.

* 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 二零二二年三月香港氣象觀測摘錄(二)

3.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), March 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
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	8.9	20.24	2.8	020	9.2
2	10	8.0	18.01	4.2	360	12.0
3	1	6.4	17.69	3.4	060	26.0
4	7	9.6	20.91	3.2	030	12.5
5	0	8.2	18.34	3.9	230	13.4
6	0	3.7	13.74	2.9	050	34.5
7	1	4.5	13.99	5.0	020	23.0
8	0	11.0	25.87	5.2	080	26.7
9	0	11.0	25.11	4.6	060	27.0
10	0	10.9	24.05	4.3	040	20.6
11	0	9.9	22.61	3.5	040	13.8
12	0	10.3	23.39	4.5	030	14.8
13	0	10.1	22.48	3.8	030	12.7
14	0	10.5	22.25	4.0	030	8.5
15	0	10.4	21.11	4.6	090	8.7
16	0	2.0	10.51	1.9	050	22.4
17	0	5.9	15.00	2.8	050	9.7
18	8	8.2	17.72	3.3	230	6.3
19	0	5.1	15.10	3.3	070	17.8
20	0	-	5.04	0.9	070	30.5
21	5	0.2	9.12	1.5	030	19.0
22	7	0.4	7.76	1.3	030	15.2
23	0	-	2.91	0.5	020	26.3
24	0	-	4.90	0.1	070	37.3
25	0	0.3	5.81	0.1	230	25.8
26	1	0.7	10.08	2.0	230	26.3
27	0	-	4.97	3.6	070	22.5
28	0	-	3.18	0.8	070	28.5
29	0	0.5	7.79	1.1	070	32.0
30	0	4.3	17.74	3.9	050	22.3
31	0	8.5	20.18	4.2	040	24.4
平均/總值 Mean/Total	40	169.5	15.08	91.2	040	20.3
正常* Normal*	97.0 §	100.0	10.71	73.2	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^	

橫瀾島於三月二十三日 8 時 19 分錄得本月最高陣風 55 公里/小時，風向 010 度。
The maximum gust peak speed recorded at Waglan Island was 55 kilometres per hour from 010 degrees at 0819 HKT on 23 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.

* 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)

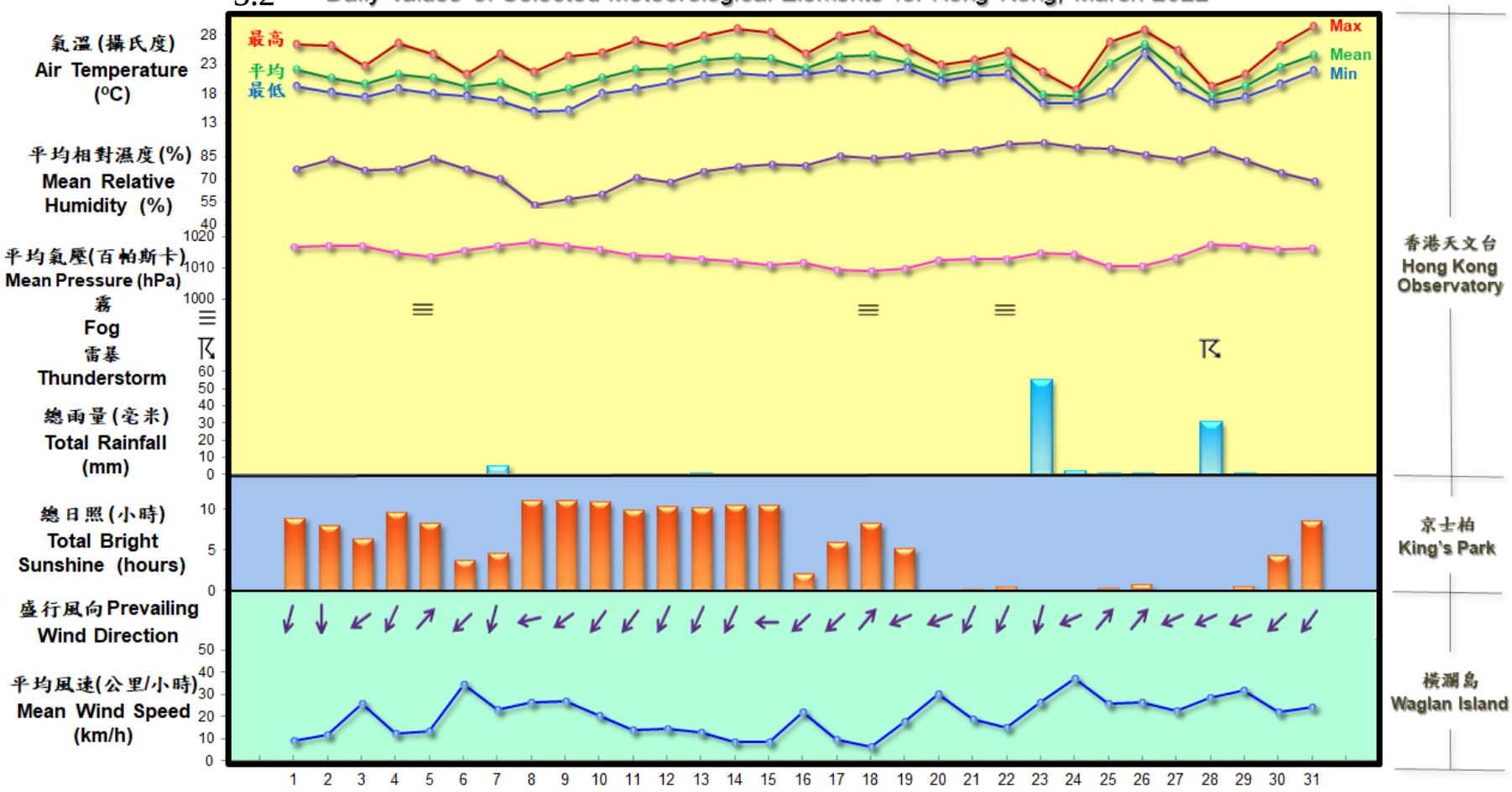
* 1991-2020 Climatological normal, unless otherwise specified (http://www.hko.gov.hk/en/cis/normal/1991_2020/normals.htm)

§ 1997-2021 平均值

§ 1997-2021 Mean value

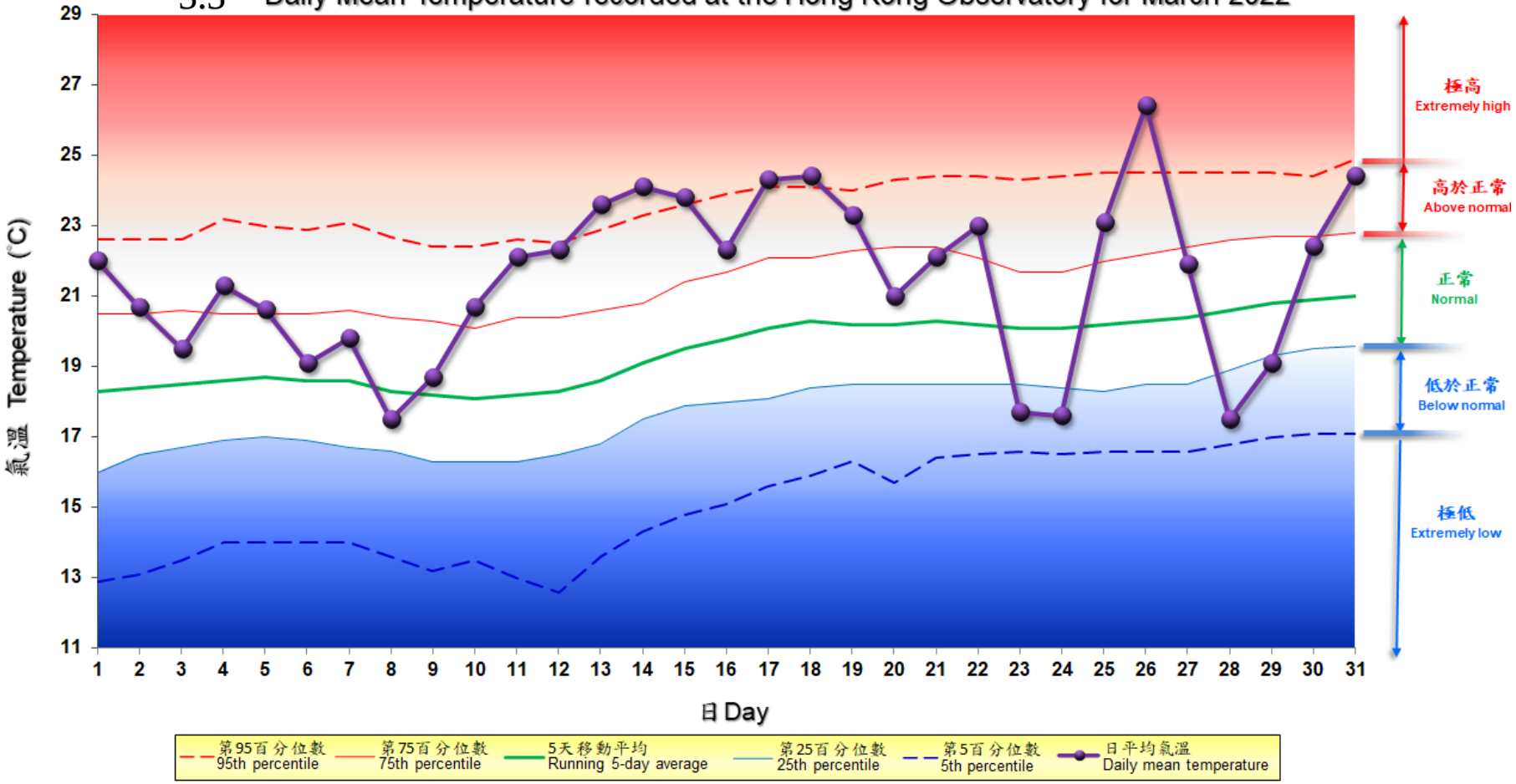
3.2 2022年3月部分香港氣象要素的每日記錄

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



3.3 2022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 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