每月天氣摘要
二零一九年一月

Monthly Weather Summary
January 2019

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目錄

Contents

二零一九年二月出版

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。

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1. 二零一九年一月天氣回顧

由於本月華南沿岸較少受到來自北方的冷空氣所影響，二零一九年一月本港遠較正常溫暖。本月平均氣溫 18.1 度及平均最低氣溫 16.4 度，分別較其正常值高 1.8 度及 1.9 度，兩者同是有記錄以來一月份的第三高。本月平均最高氣溫 20.4 度，較正常值高 1.8 度，是有記錄以來一月份的第五高。本月亦較正常少雨，總雨量只有 4.7 毫米，約為正常值 24.7 毫米的五分之一。

受二零一八年底影響華南沿岸地區的強烈冬季季候風持續支配，二零一九年一月一日本港天氣寒冷，天文台於當天錄得本月最低氣溫 11.4 度。其後兩日天氣清涼，多雲及有幾陣雨。隨著季候風緩和，一月四日至五日本港短暫時間有陽光，氣溫逐漸回升。受一股微弱東北季候風影響，一月六日至八日大致多雲及有幾陣雨。

一股清勁至強風程度的偏東氣流於一月九日影響華南沿岸地區，本港當天風勢轉大。隨著偏東氣流緩和，一月十日至十二日本港天氣較為和暖，部分時間有陽光及能見度較低。一月十三日至十四日偏東氣流再度增強，本港大致多雲，有幾陣微雨及早上有薄霧。

受華南沿岸地區的一股東北季候風影響，一月十五日本港天氣較涼及有幾陣雨，翌日持續多雲及天氣清涼。隨著覆蓋沿岸地區的雲團消散，一月十七日本港日間漸轉天晴。一月十八日東北季候風逐漸被一股偏東氣流所取代，一月十八日至十九日本港天氣再度轉為大致多雲及有幾陣微雨。隨著偏東氣流緩和，一月二十日除早晚有幾陣微雨外，本港天氣溫暖及日間部分時間有陽光。

與此同時，一股乾燥的東北季候風於一月二十日晚間抵達華南沿岸地區。受乾燥的東北季候風及其後於一月二十六日的季候風補充所影響，一月二十一日至二十八日本港轉為普遍天晴及乾燥，早上天氣清涼。隨著東北季候風逐漸緩和，本月餘下時間本港天氣和暖及部分時間有陽光。一月三十一日本港天氣相當溫暖，天文台氣溫上升至本月最高的 24.5 度。

本月有一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 載列本月發出及取消各種警告/信號的詳情。

1. The Weather of January 2019

With relatively less cold air outbreaks from the north arriving at the south China coast in the month, January 2019 was much warmer than usual in Hong Kong. The monthly mean temperature of 18.1 degrees and monthly mean minimum temperature of 16.4 degrees were 1.8 degrees and 1.9 degrees above their corresponding normals and both were the third highest on record for January. The mean maximum temperature of 20.4 degrees was 1.8 degrees above the normal and the fifth highest on record for January. The month was also drier than usual with only 4.7 millimetres of rainfall recorded in the month, about one fifth of the normal of 24.7 millimetres for January.

The intense winter monsoon that started to affect the south China coastal areas in late December 2018 continued its dominance and brought cold weather to Hong Kong on the first day of January 2019. The minimum temperature of 11.4 degrees recorded at the Hong Kong Observatory on that day was the lowest of the month. The weather was cloudy and cool with a few rain patches in the next two days. With the monsoon moderating, there were sunny intervals with local temperatures rising gradually on 4 - 5 January. Affected by a weak replenishment of the northeast monsoon, it was generally cloudy with a few rain patches on 6 - 8 January.

The weather of Hong Kong turned windy when a fresh to strong easterly airstream affected the south China coastal areas on 9 January. With the easterlies subsiding, local weather became milder with sunny periods and low visibility episodes on 10 - 12 January. With the easterlies strengthening again on 13 - 14 January, the weather was generally cloudy with light rain patches and morning mist.

Affected by the northeast monsoon over the south China coastal areas, it was cooler with some rain patches on 15 January. Local weather remained cloudy and cool on the next day. With the clouds covering the coastal areas dissipating, the weather turned fine gradually during the day on 17 January. An easterly airstream gradually replaced the monsoon on 18 January and the weather in Hong Kong became mainly cloudy with a few light rain patches again on 18 - 19 January. With the moderation of the easterly winds, apart from a few light rain patches in the morning and at night, it was warm with sunny periods during the day on 20 January.

Meanwhile, the dry northeast monsoon reached the South China coastal areas on the night of 20 January. Under the influence of the dry northeast monsoon and its subsequent replenishment on 26 January, the weather of Hong Kong turned generally fine and dry with cool mornings on 21 - 28 January. With the northeast monsoon moderating gradually, it was mild with sunny periods towards the end of the month. The weather was rather warm on 31 January with the maximum temperature at the Observatory soaring to 24.5 degrees, the

highest of the month.

One tropical cyclone occurred over the South China Sea and the western North Pacific in the month.

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.

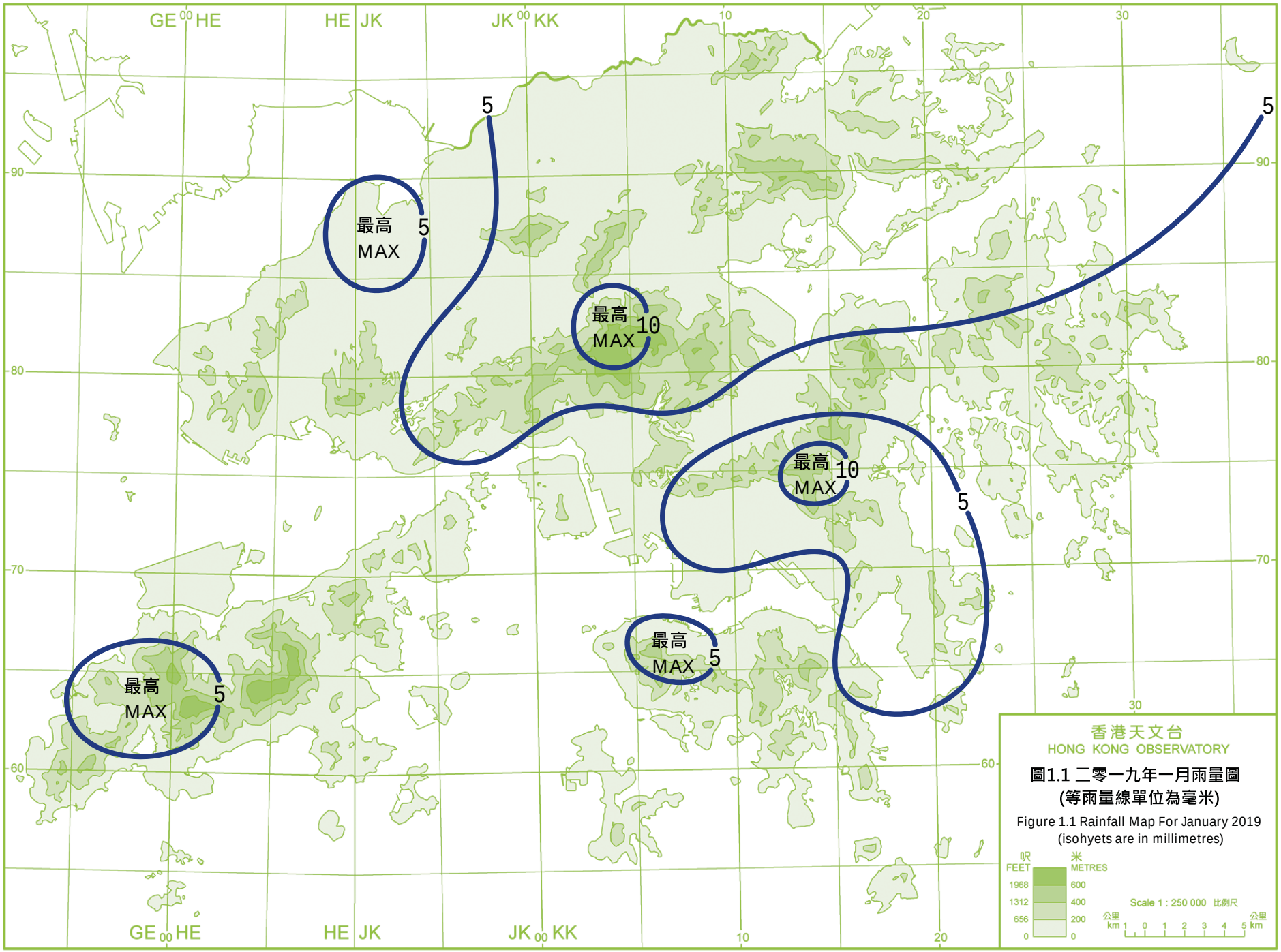
表 1.1　二零一九年一月發出的警告及信號
Table 1.1　Warnings and Signals issued in January 2019

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	1/1	1740
黃色 Yellow	20/1	0600	20/1	1830
紅色 Red	22/1	0600	23/1	1845
黃色 Yellow	26/1	0600	26/1	1800
黃色 Yellow	27/1	0600	27/1	1850

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
28/12	2000	2/1	1620



H.K.O.128 (2014)

地政總署測繪處繪製
Cartography by Survey and Mapping Office, Lands Department.

2. 二零一九年一月熱帶氣旋概述

二零一九年一月在北太平洋西部及南海區域出現了一個熱帶氣旋。

熱帶低氣壓帕布(1901)於二零一八年十二月三十一日下午在胡志明市之東南偏東約690公里的南海南部上形成，向西南偏西移向越南以南海域。帕布於二零一九年一月二日轉向偏西方向移動，翌日增強為熱帶風暴並橫過泰國灣。帕布於一月四日清晨達到其最高強度，中心附近最高持續風速估計為每小時 85 公里。帕布於當晚橫過馬來半島並減弱，翌日進入安達曼海並進一步減弱為熱帶低氣壓，最後於一月七日在孟加拉灣減弱為低壓區。

根據報章報導，帕布為越南帶來暴雨，造成最少一人死亡、六人受傷。根據泰國氣象局記錄，帕布是自 1951 年有記錄以來首個在一月橫過泰國的熱帶氣旋，吹襲泰國期間帶來狂風暴雨，引發水浸及山泥傾瀉，造成至少八人死亡。帕布亦在馬來西亞也造成最少一人死亡。

2. Overview of Tropical Cyclones in January 2019

One tropical cyclone occurred over the western North Pacific and the South China Sea in January 2019.

Pabuk (1901) formed as a tropical depression over the southern part of the South China Sea about 690 km east-southeast of Hochiminh on the afternoon of 31 December 2018 and tracked west-southwestwards in the direction of the seas south of Vietnam. It turned to move westwards on 2 January 2019. Pabuk intensified into a tropical storm and moved across the Gulf of Thailand the next day. It reached its peak intensity with an estimated maximum sustained wind of 85 km/h near its centre on the small hours of 4 January. Pabuk moved across the Malay Peninsula that night and weakened. After entering the Andaman Sea the next day, it further weakened into a tropical depression. Pabuk finally degenerated into an area of low pressure over the Bay of Bengal on 7 January.

According to press reports, Pabuk brought heavy rain to Vietnam, leaving at least one death and six injuries. According to the Thai Meteorological Department, Pabuk was the first tropical cyclone making landfall over Thailand in January since record began in 1951. The torrential rain and squalls brought by Pabuk triggered flooding and landslides in Thailand, killing at least eight people. There was also one death report in Malaysia during the passage of Pabuk.

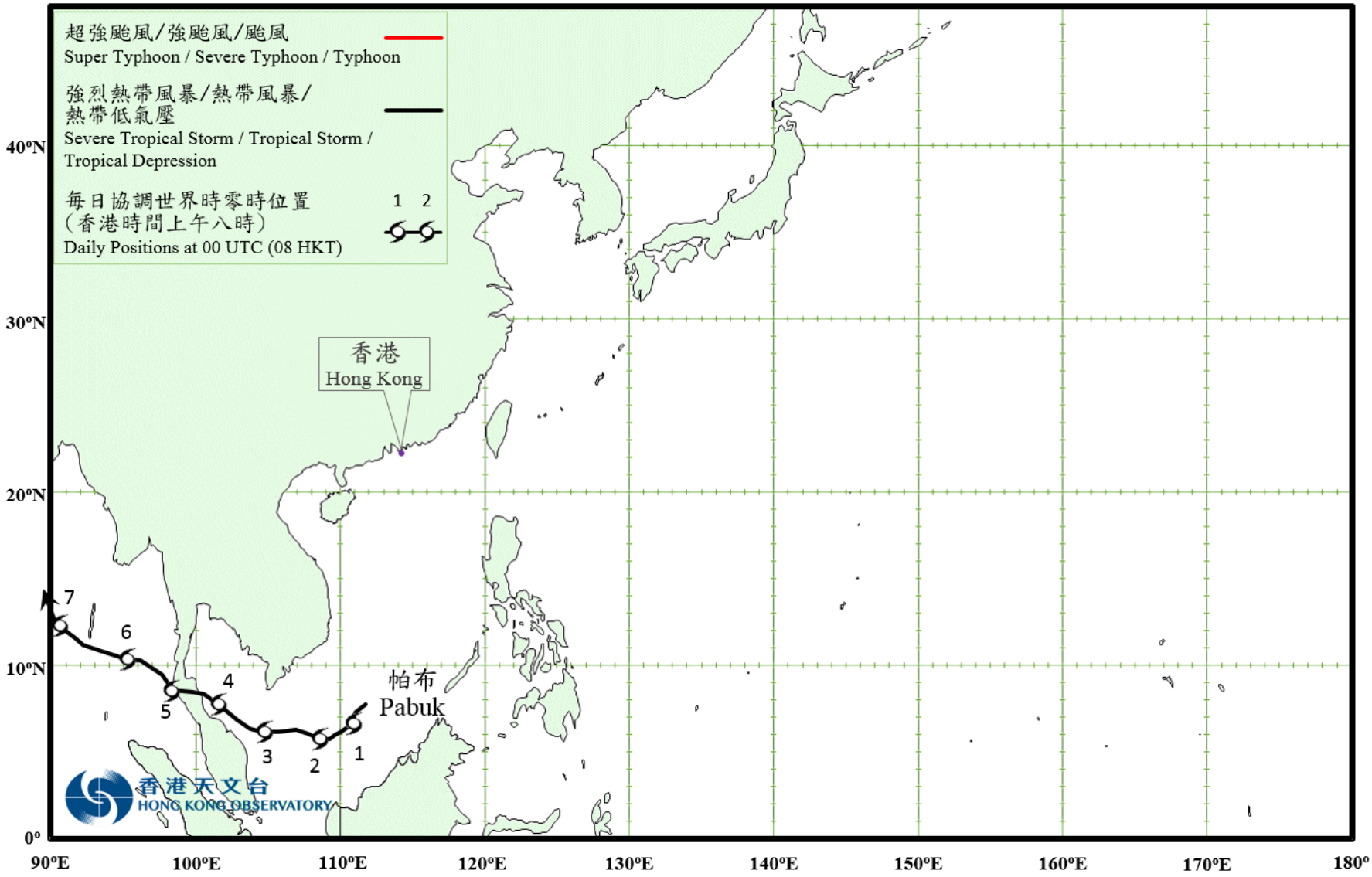


圖 2.1　　二零一九年一月的熱帶氣旋路徑圖

Fig. 2.1　　Track of tropical cyclone in January 2019

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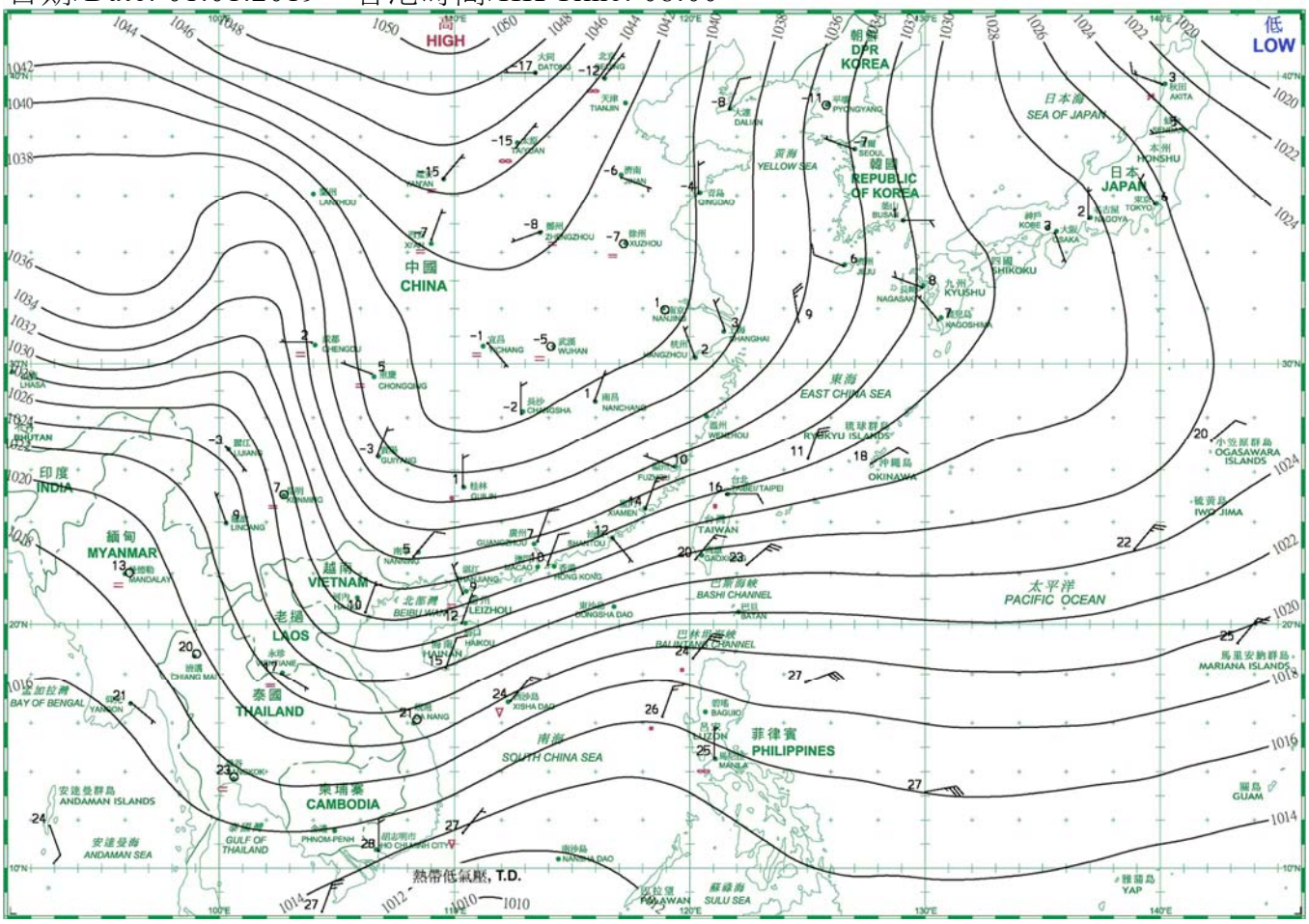

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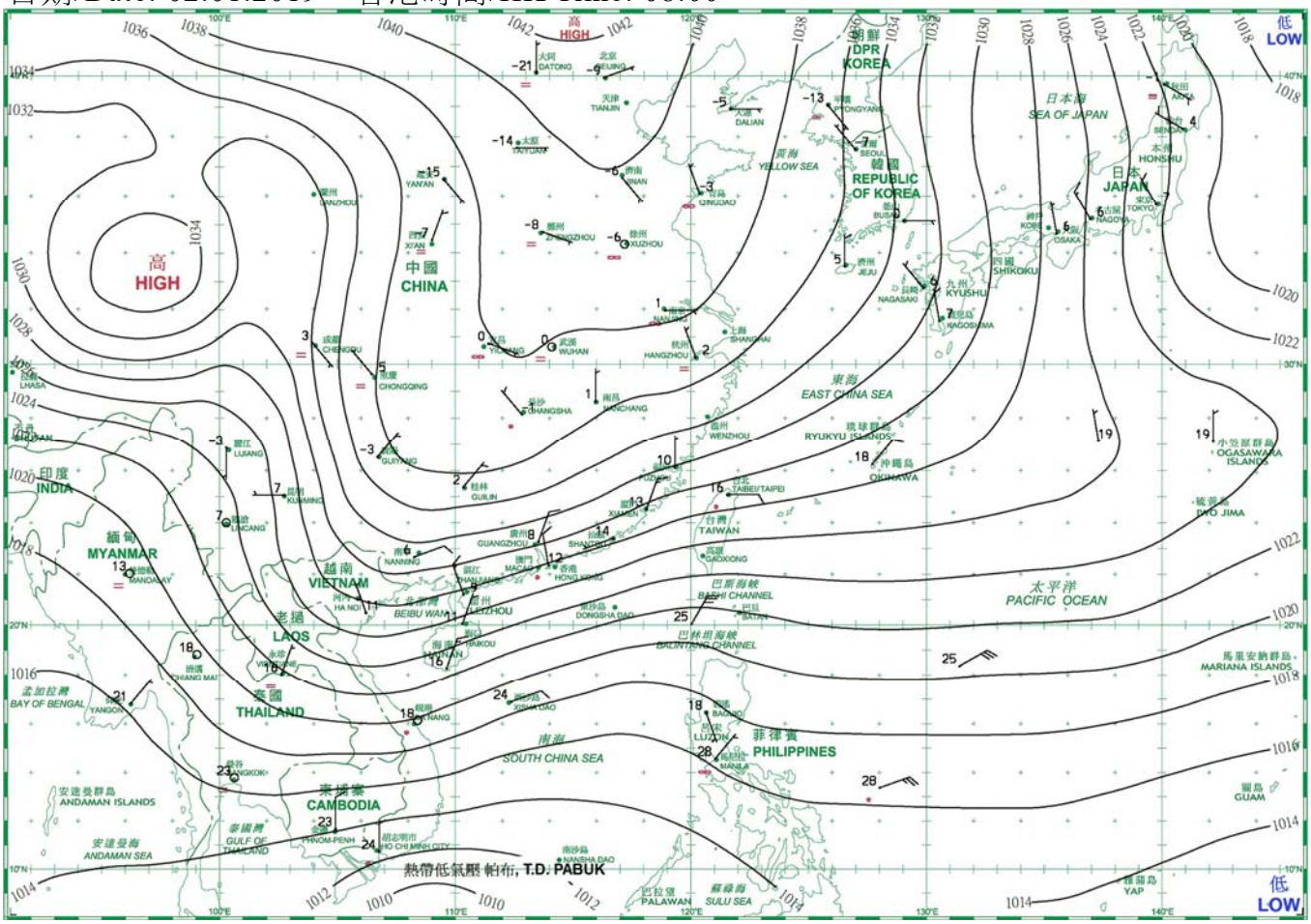

等壓線 Isobar(hPa)　暖鋒 Warm Front　靜止鋒 Stationary Front　消散中的冷鋒 Dissipating Cold Front

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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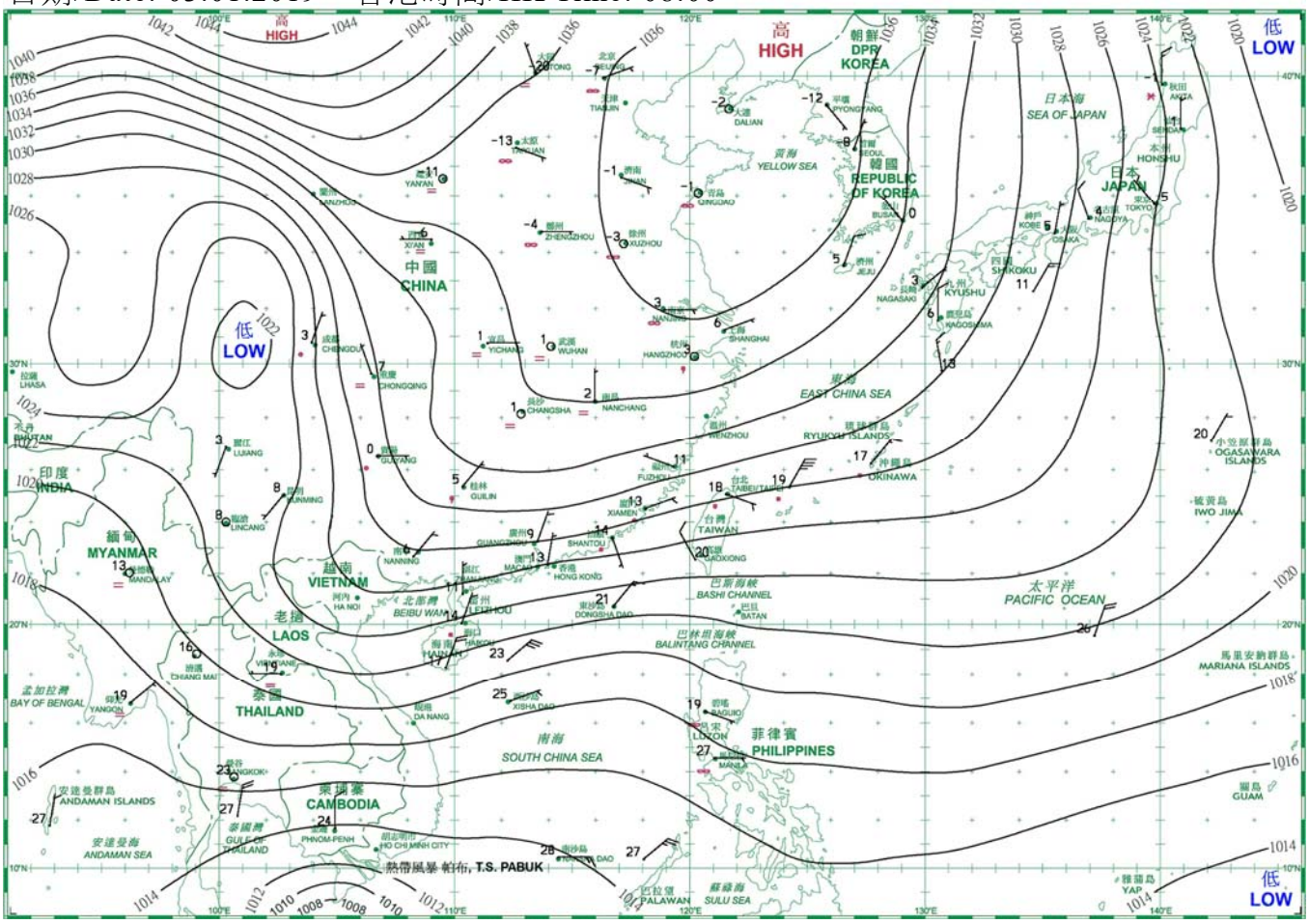

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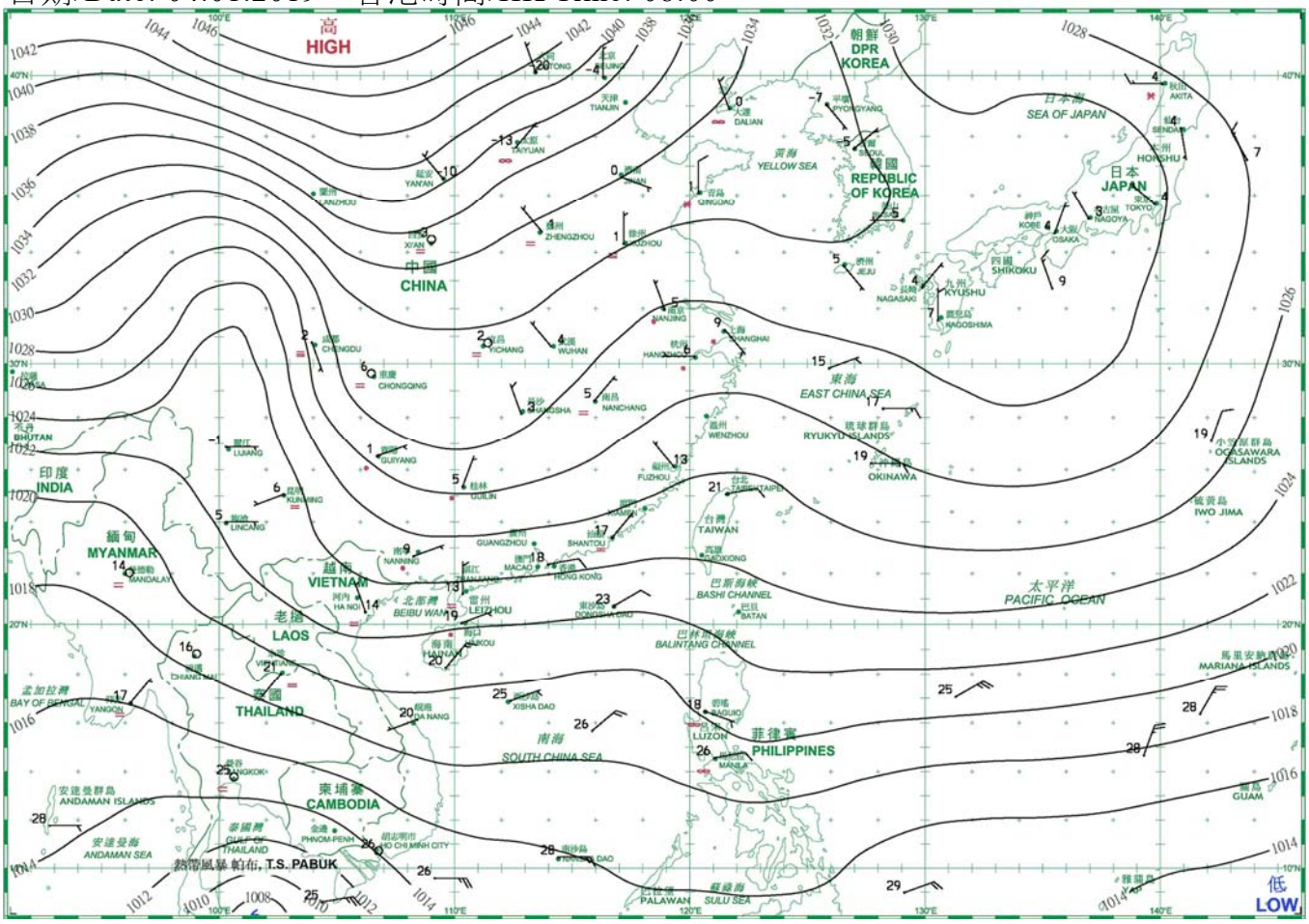

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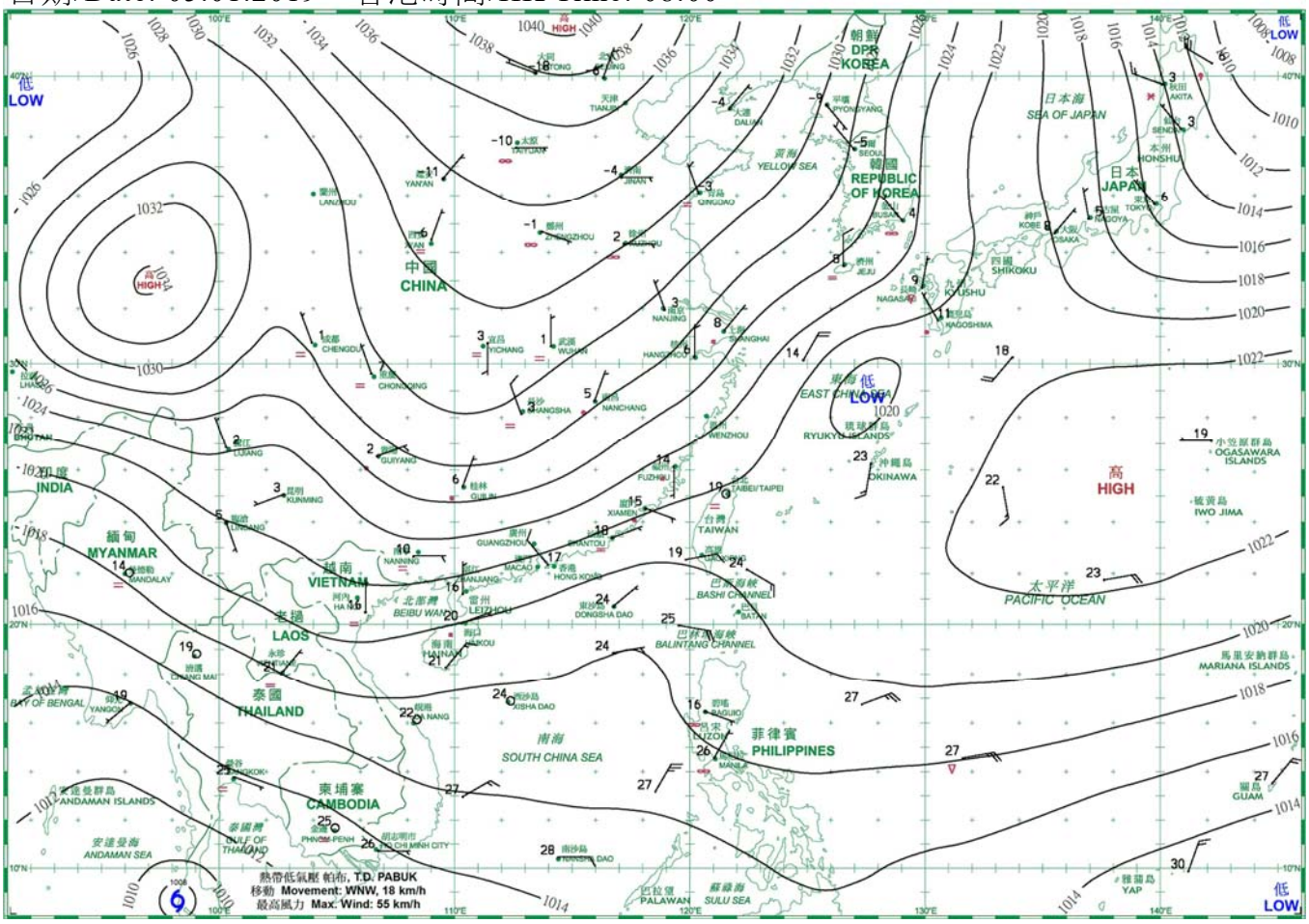

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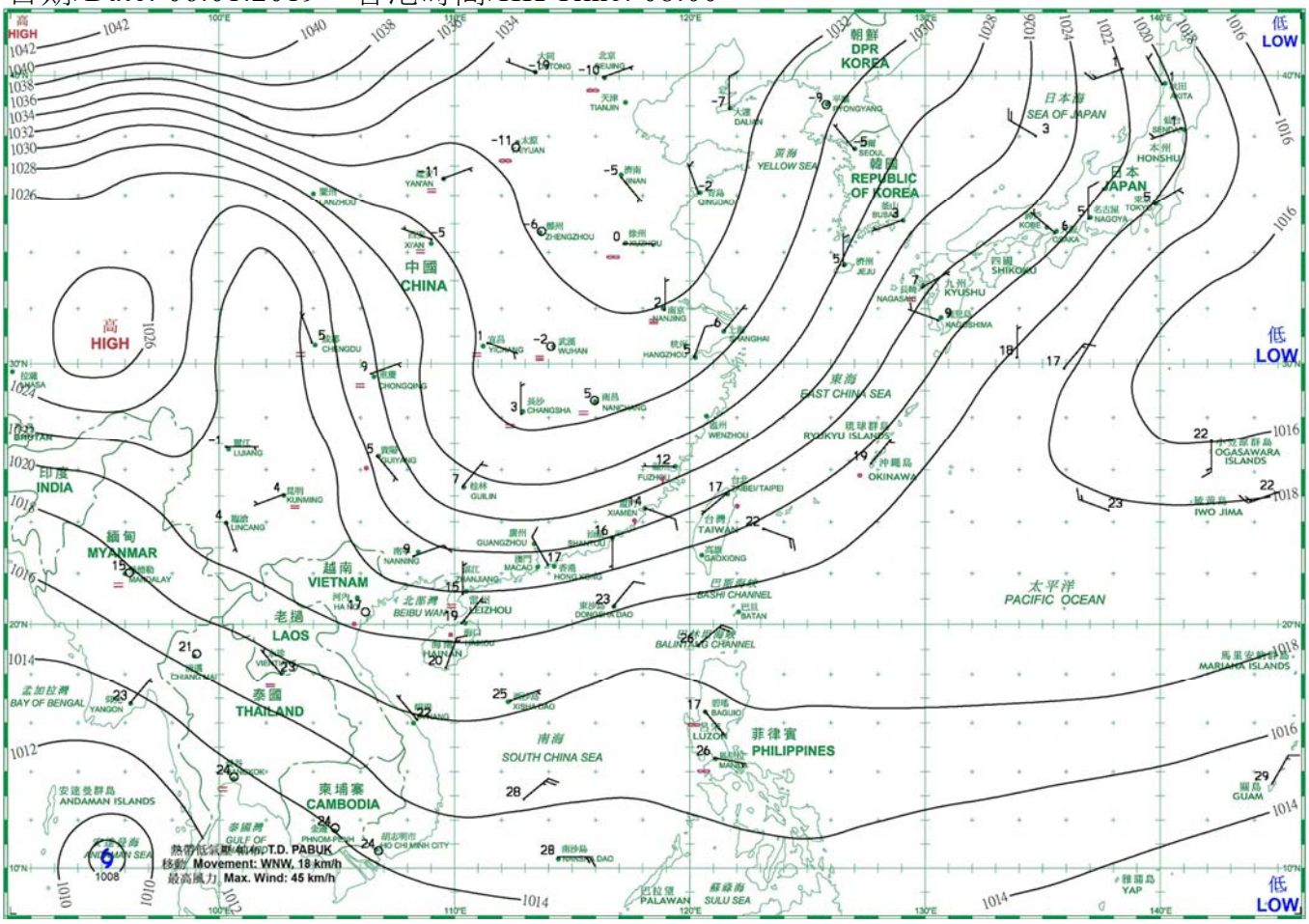

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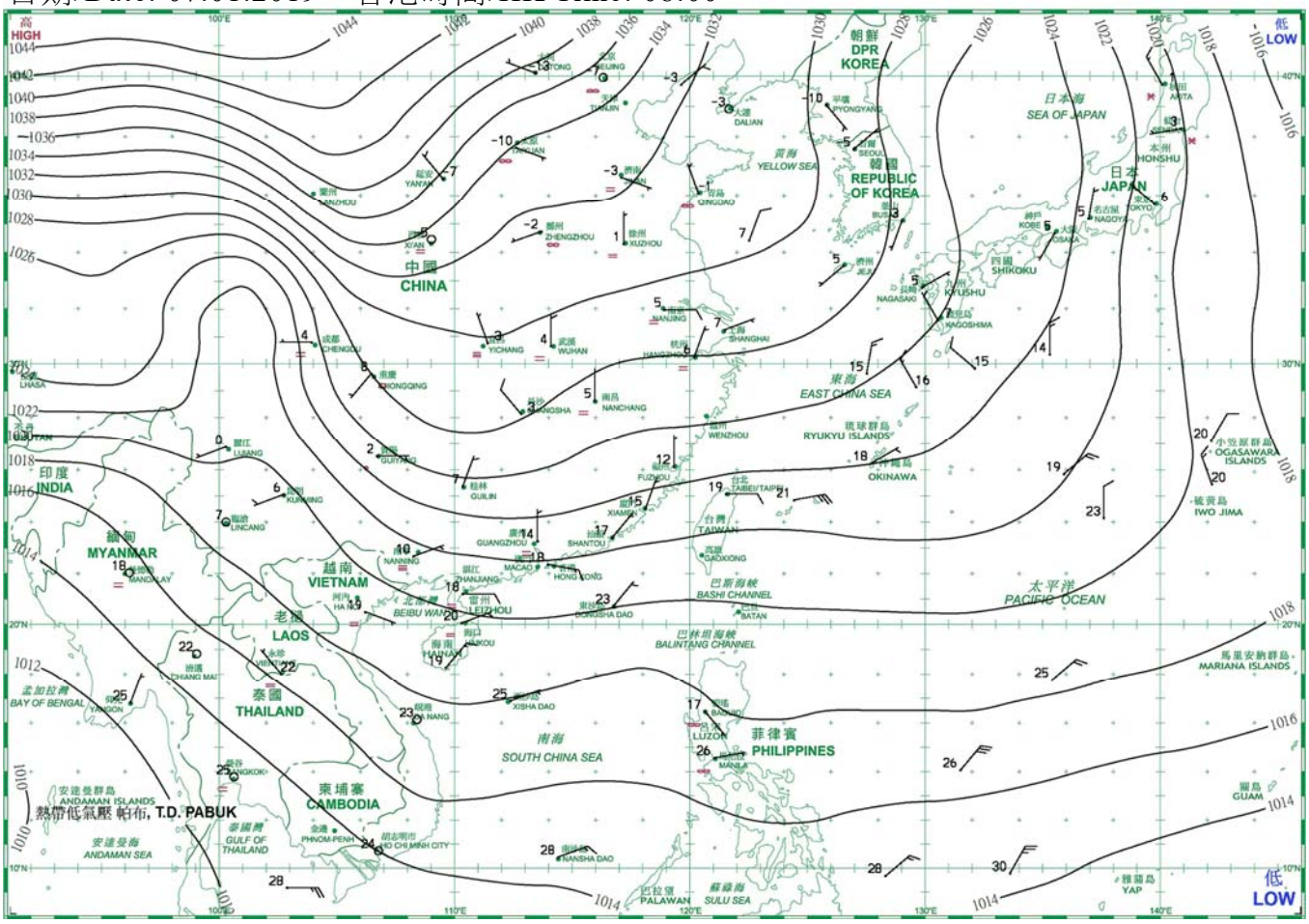

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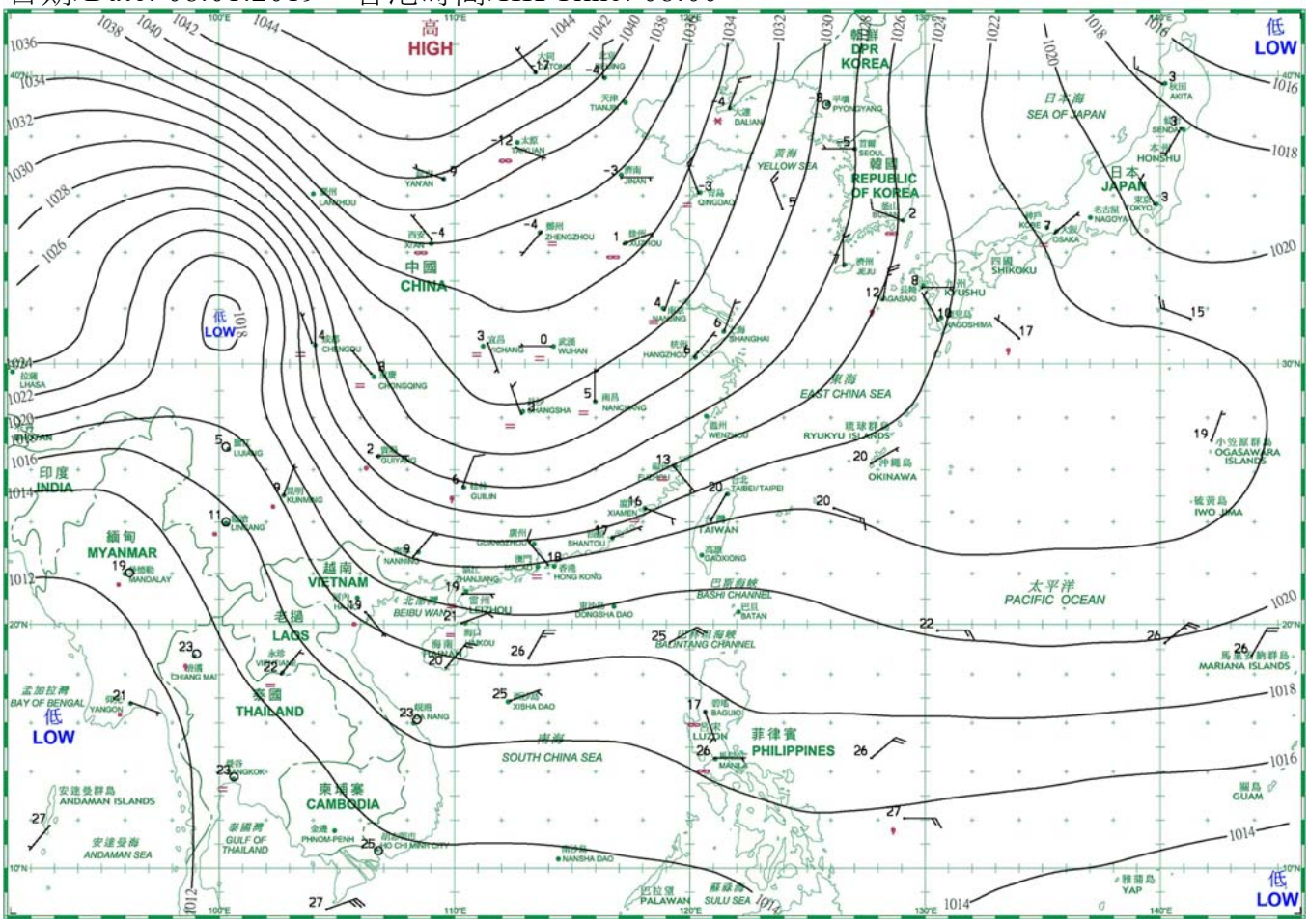

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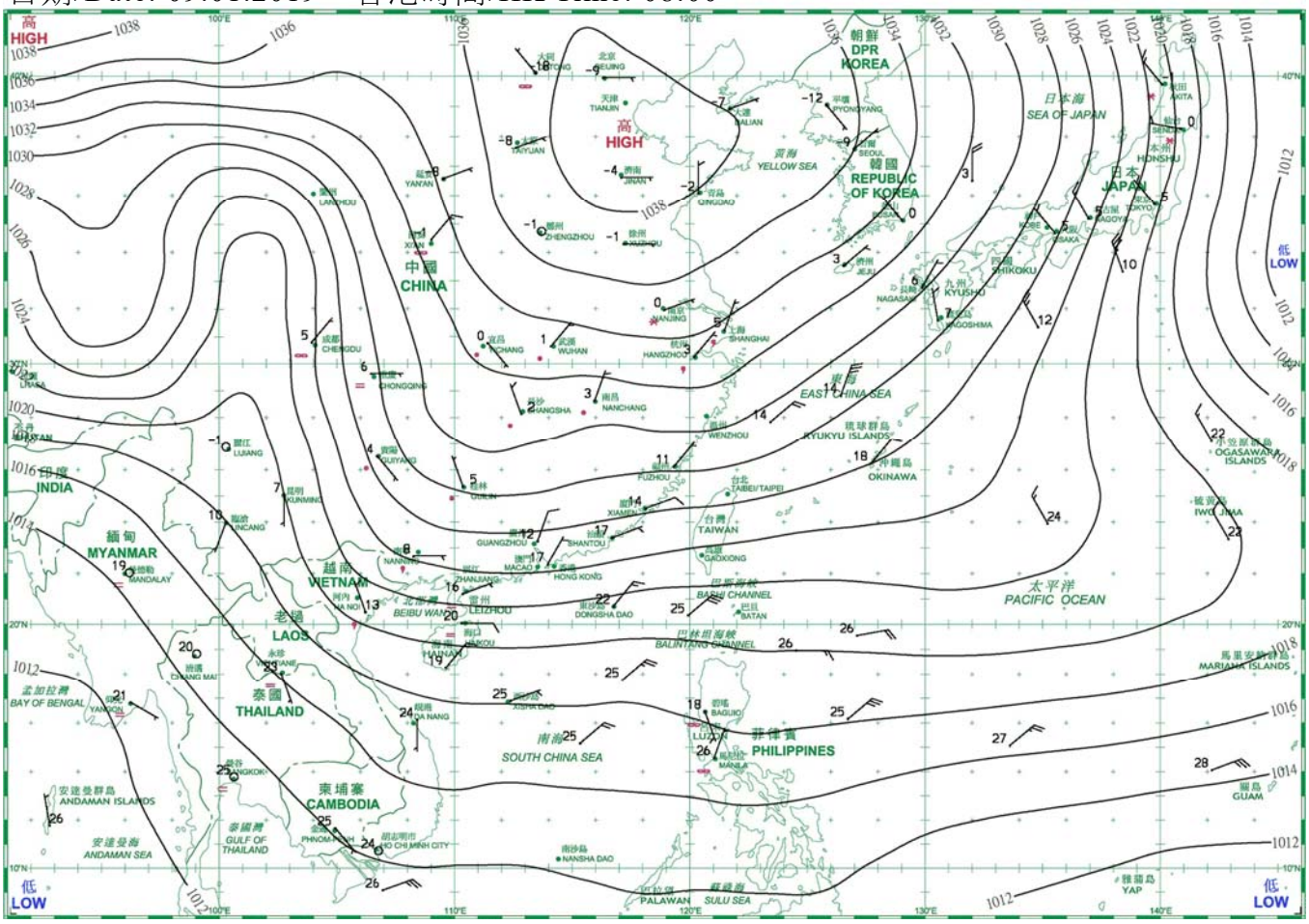

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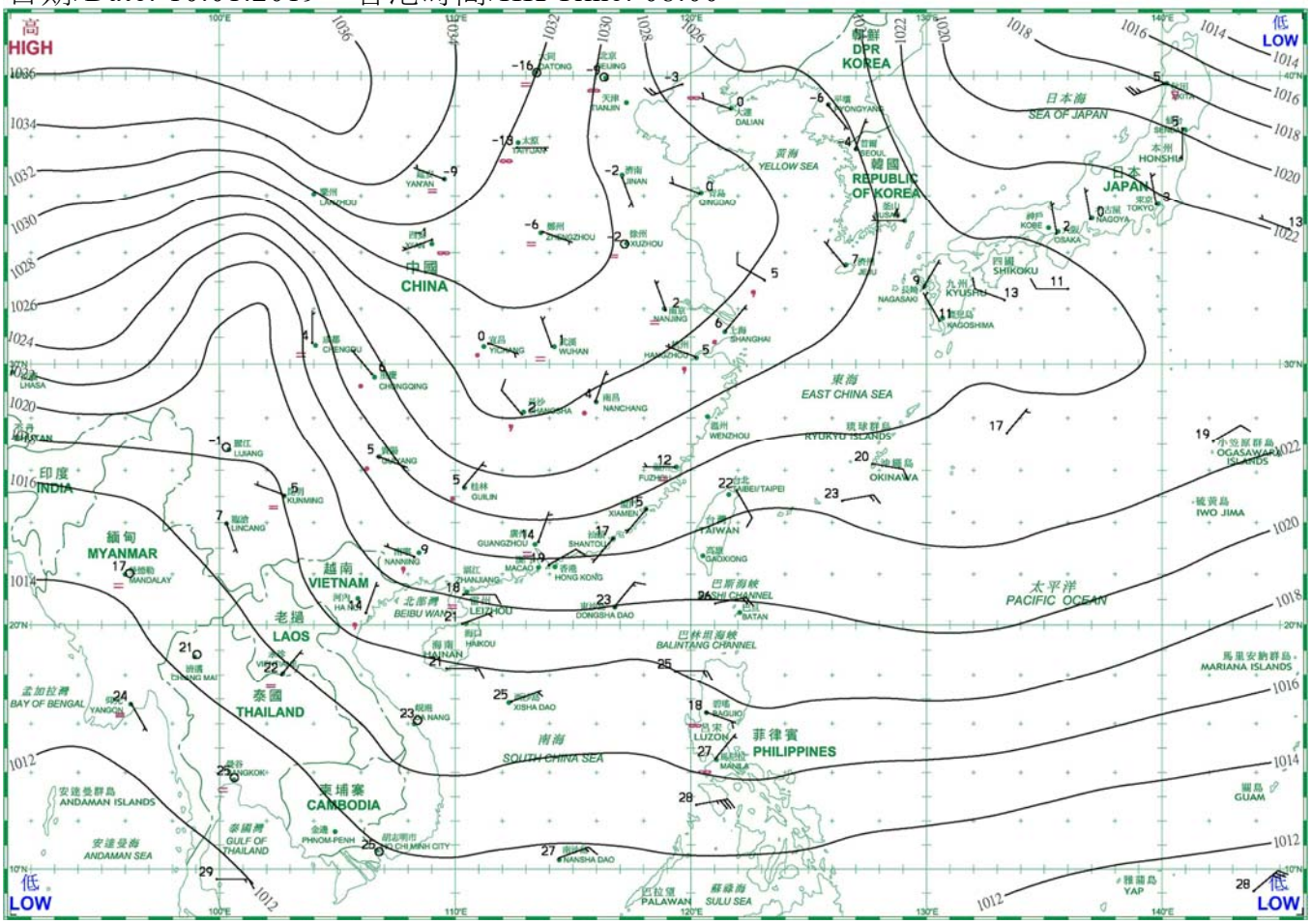

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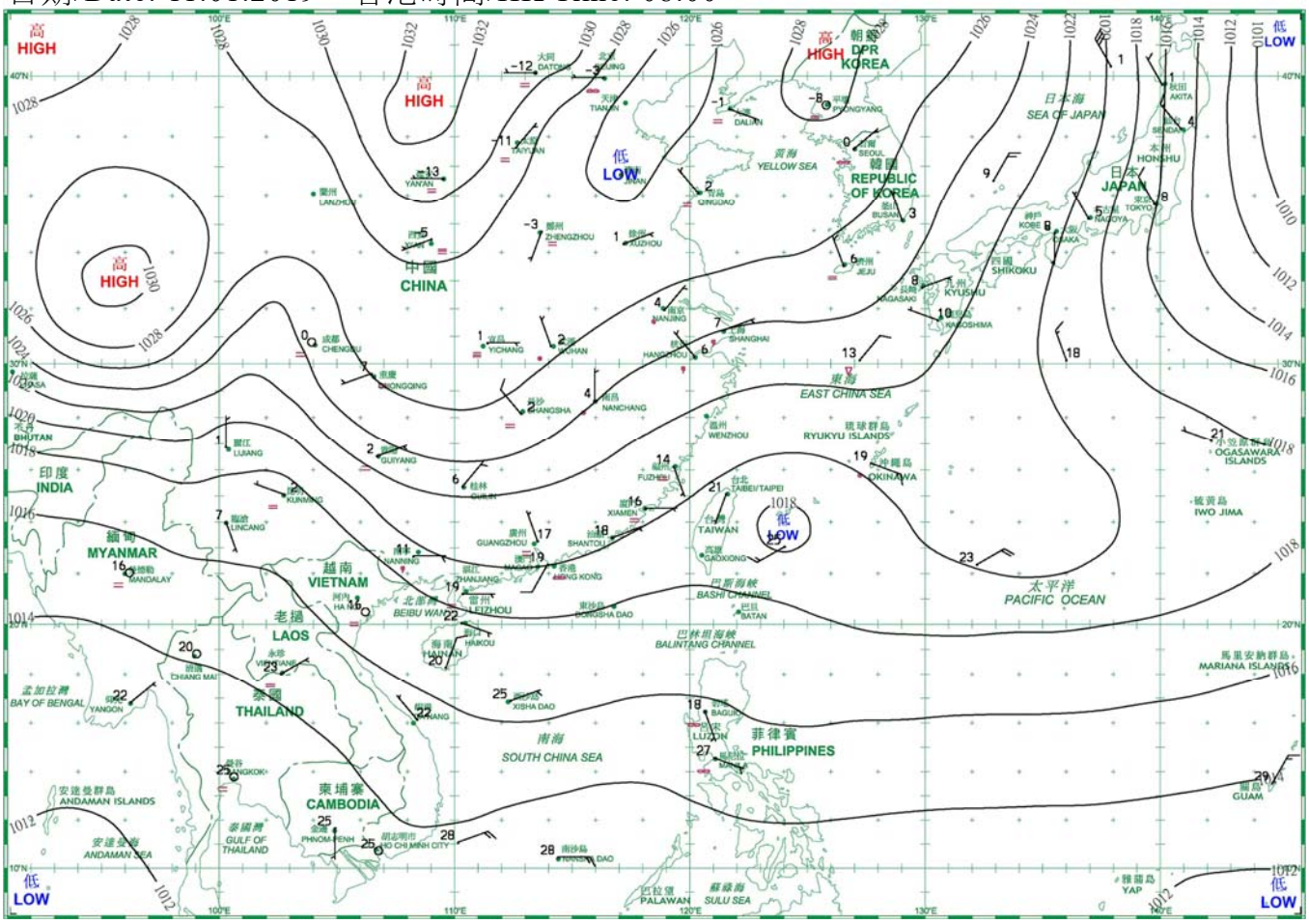

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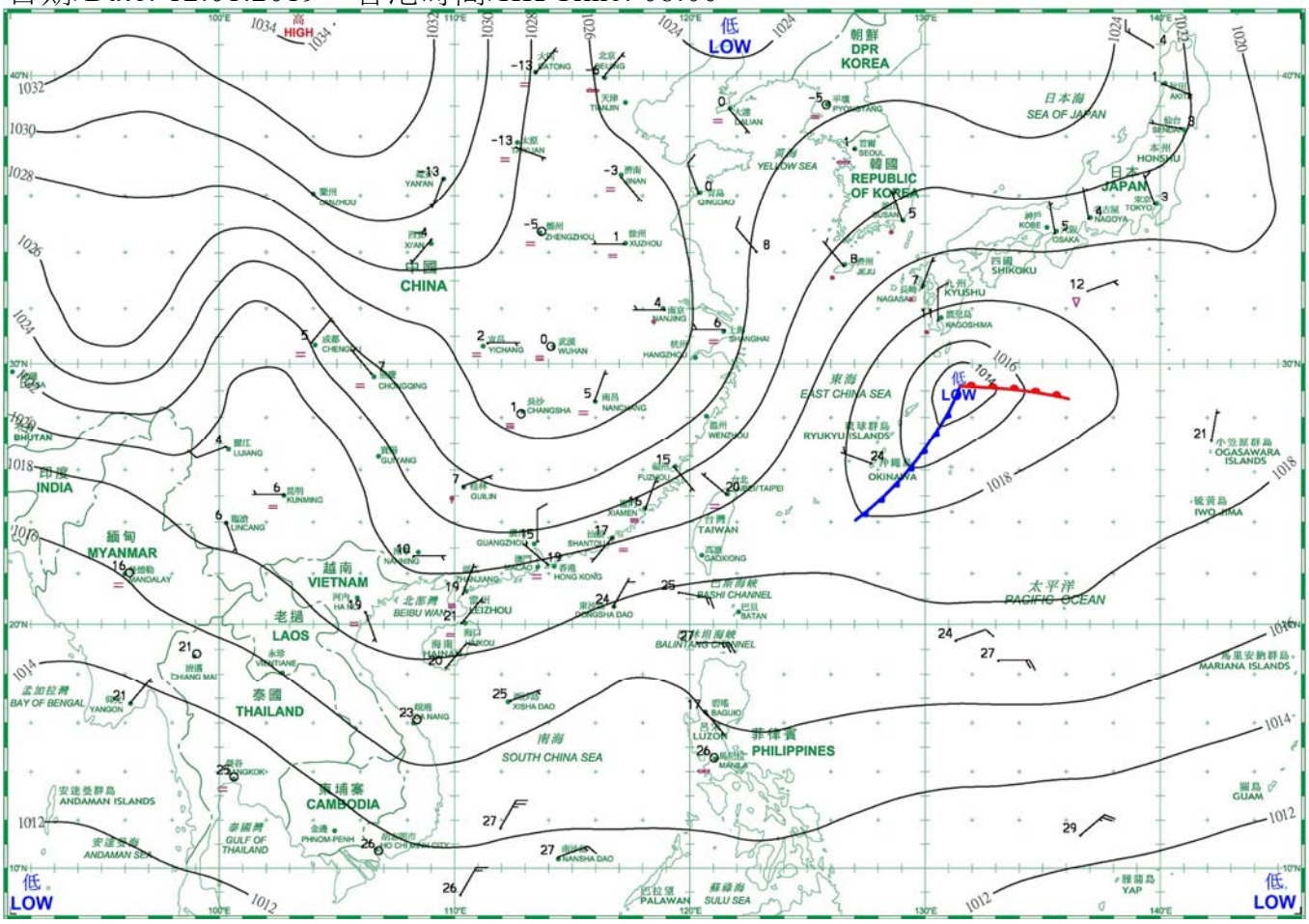

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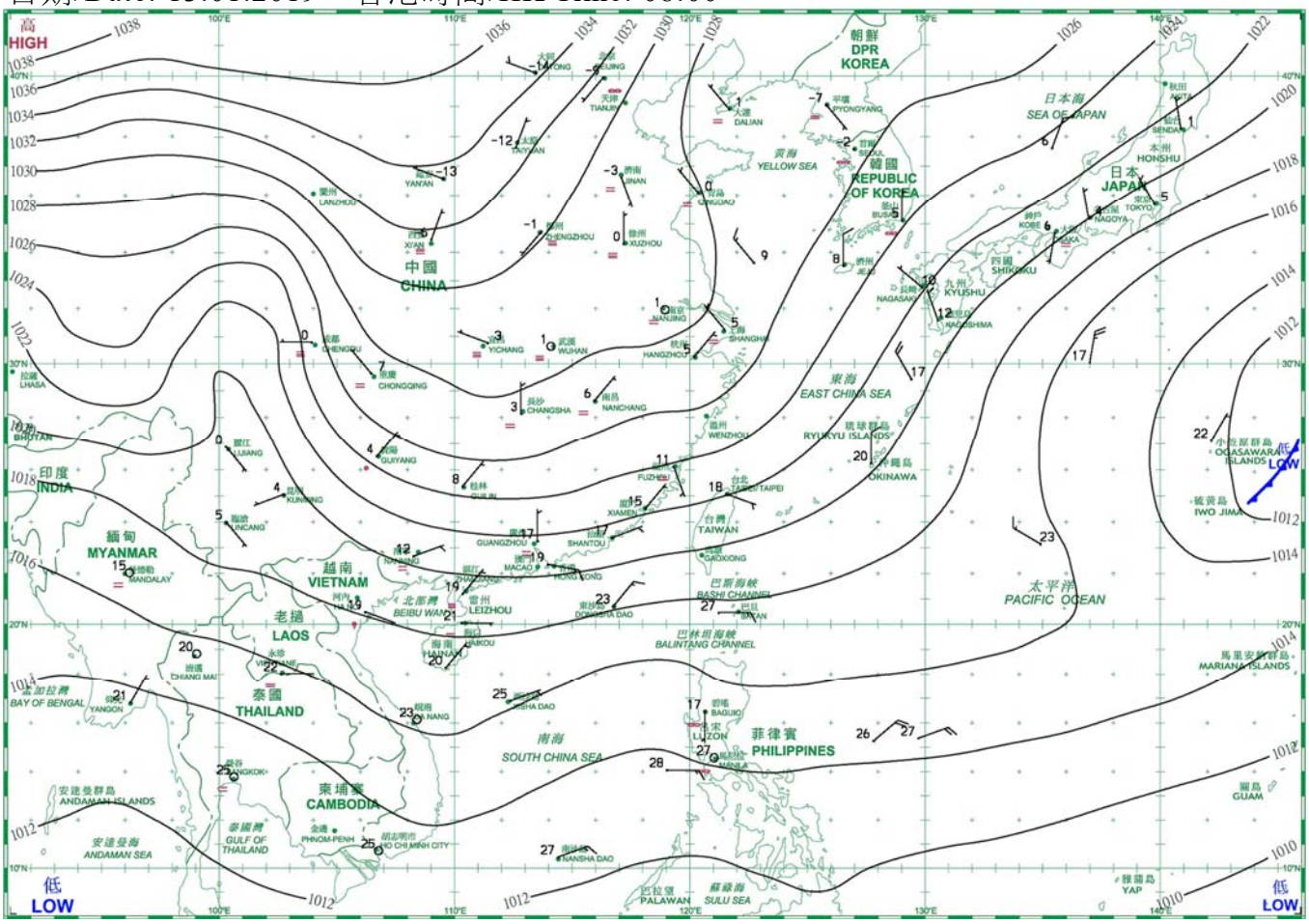

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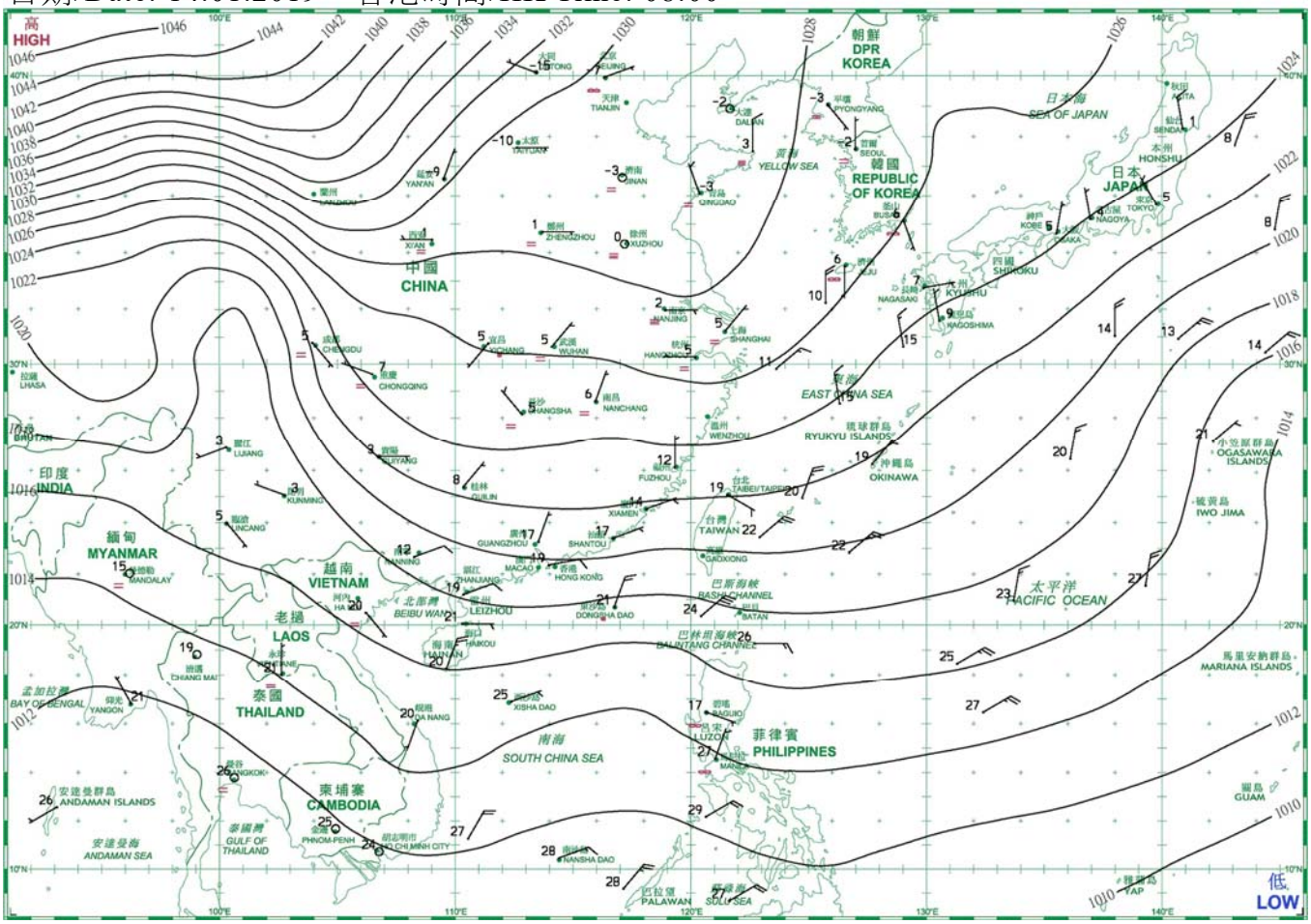

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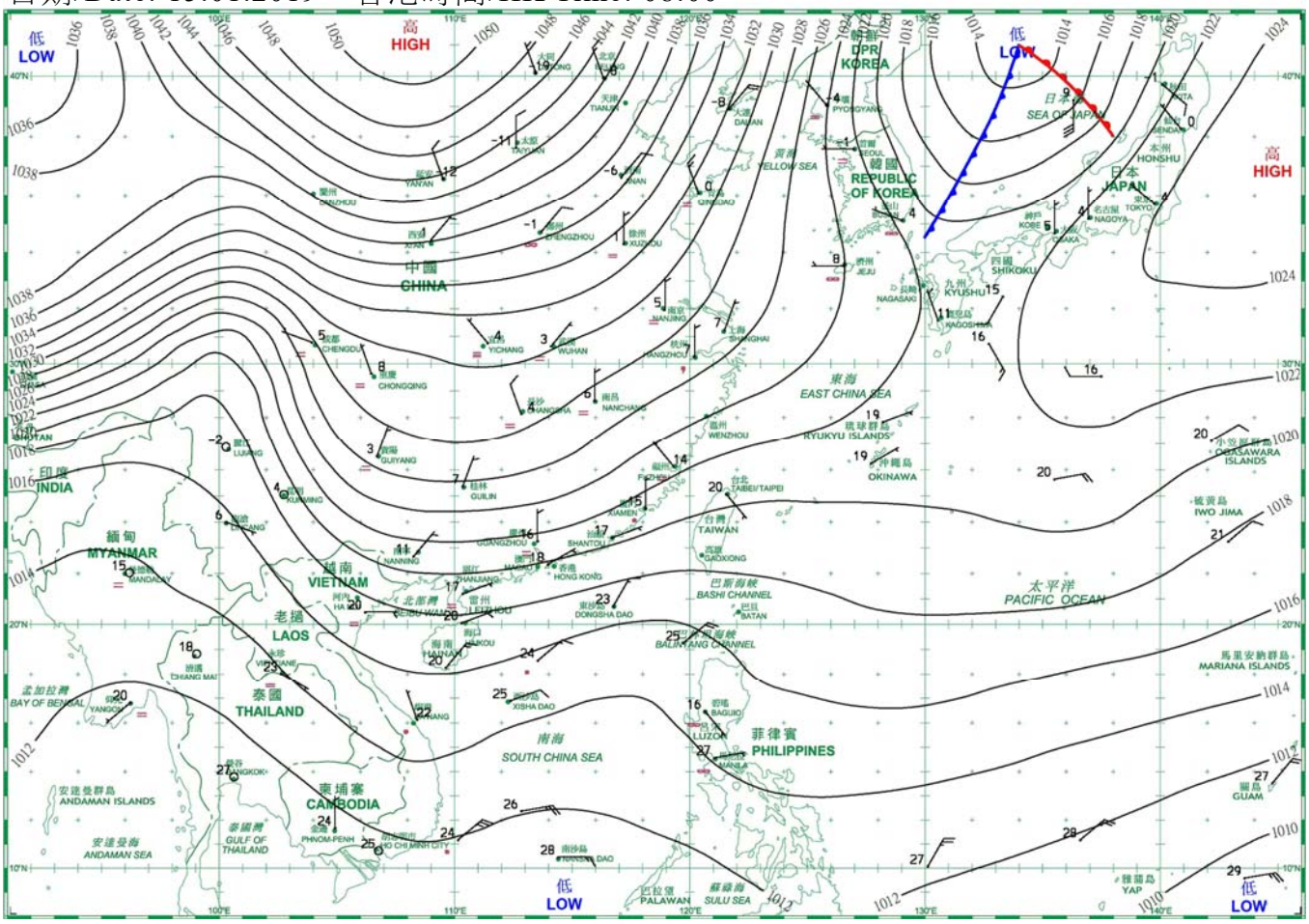

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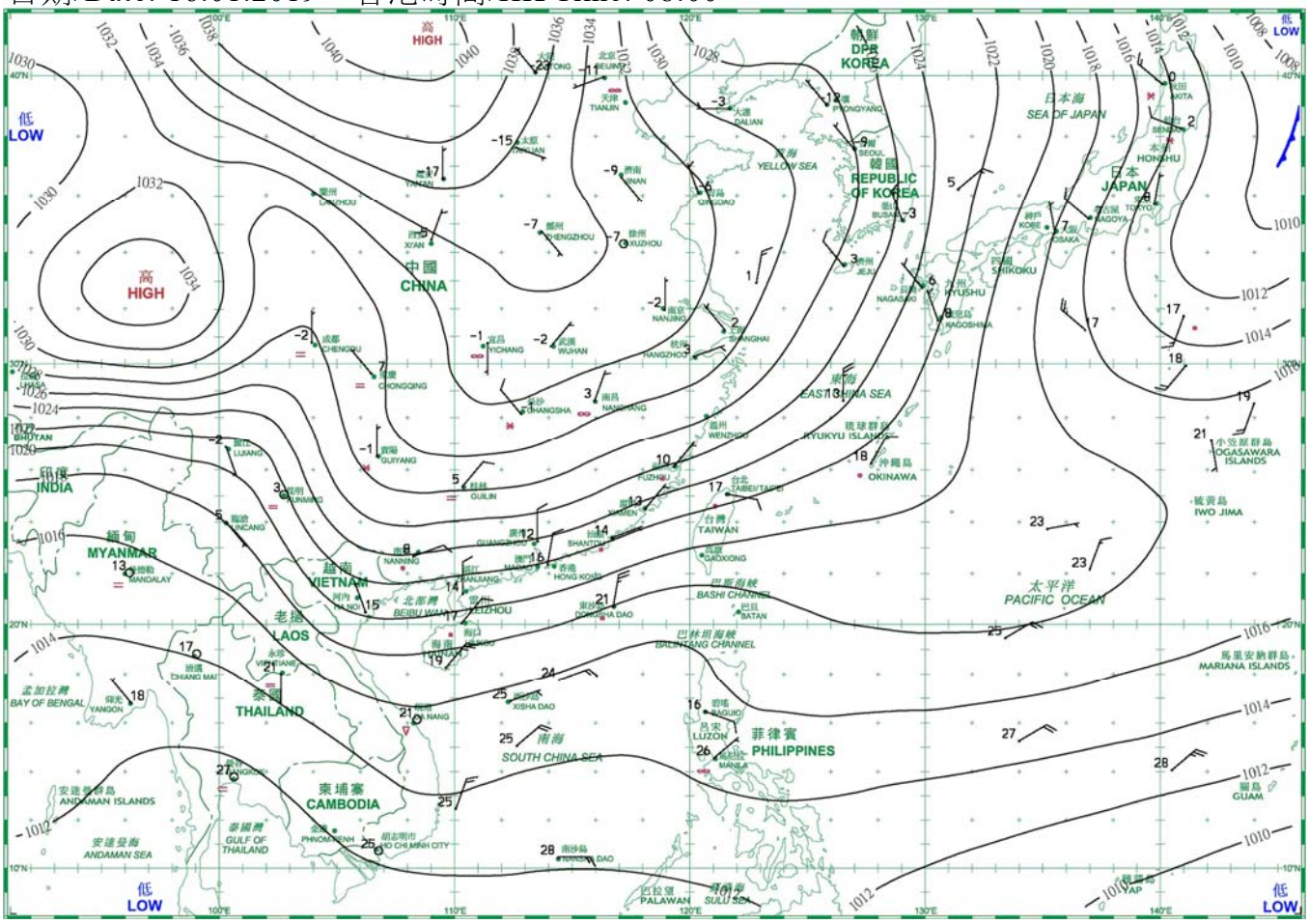

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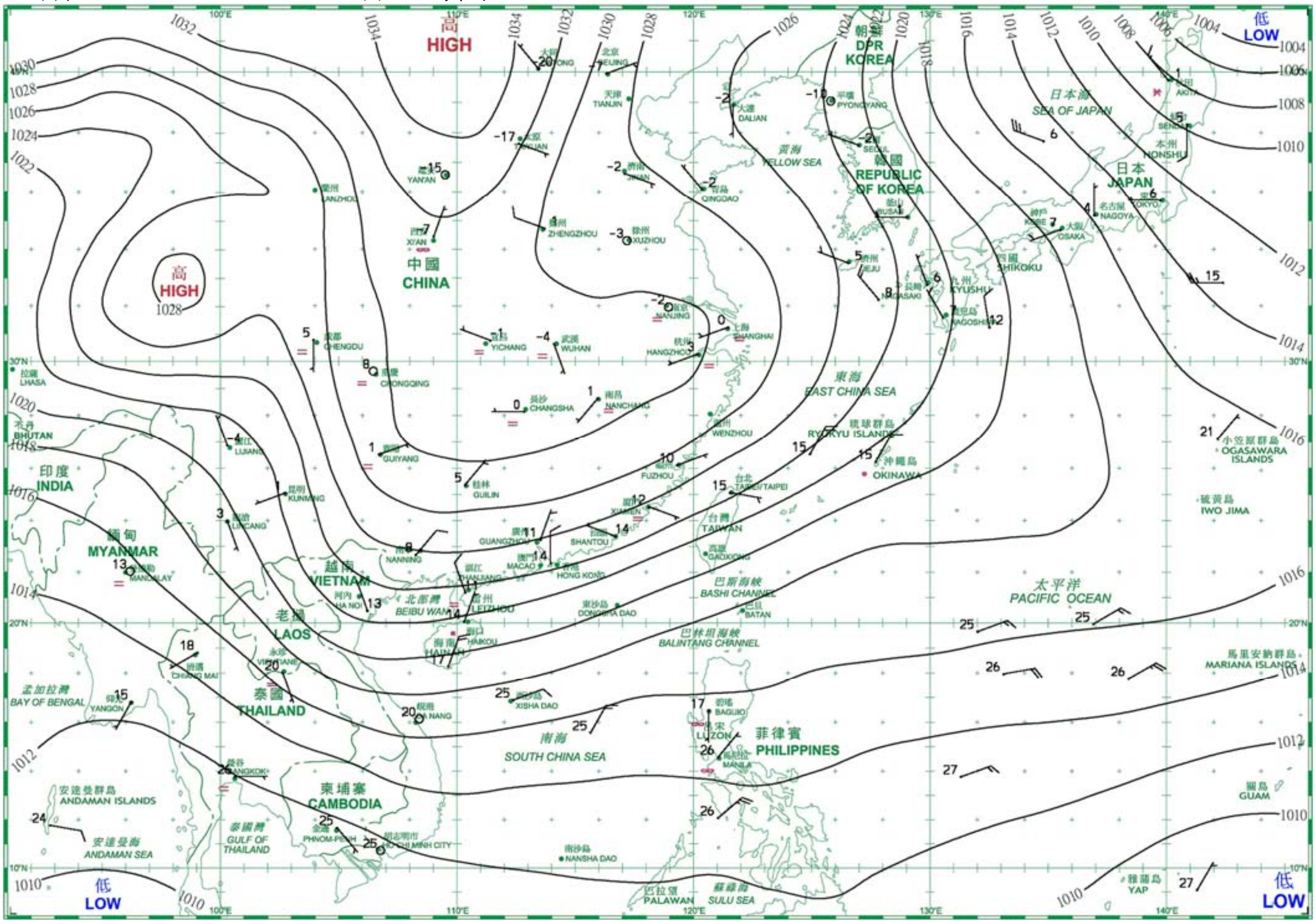

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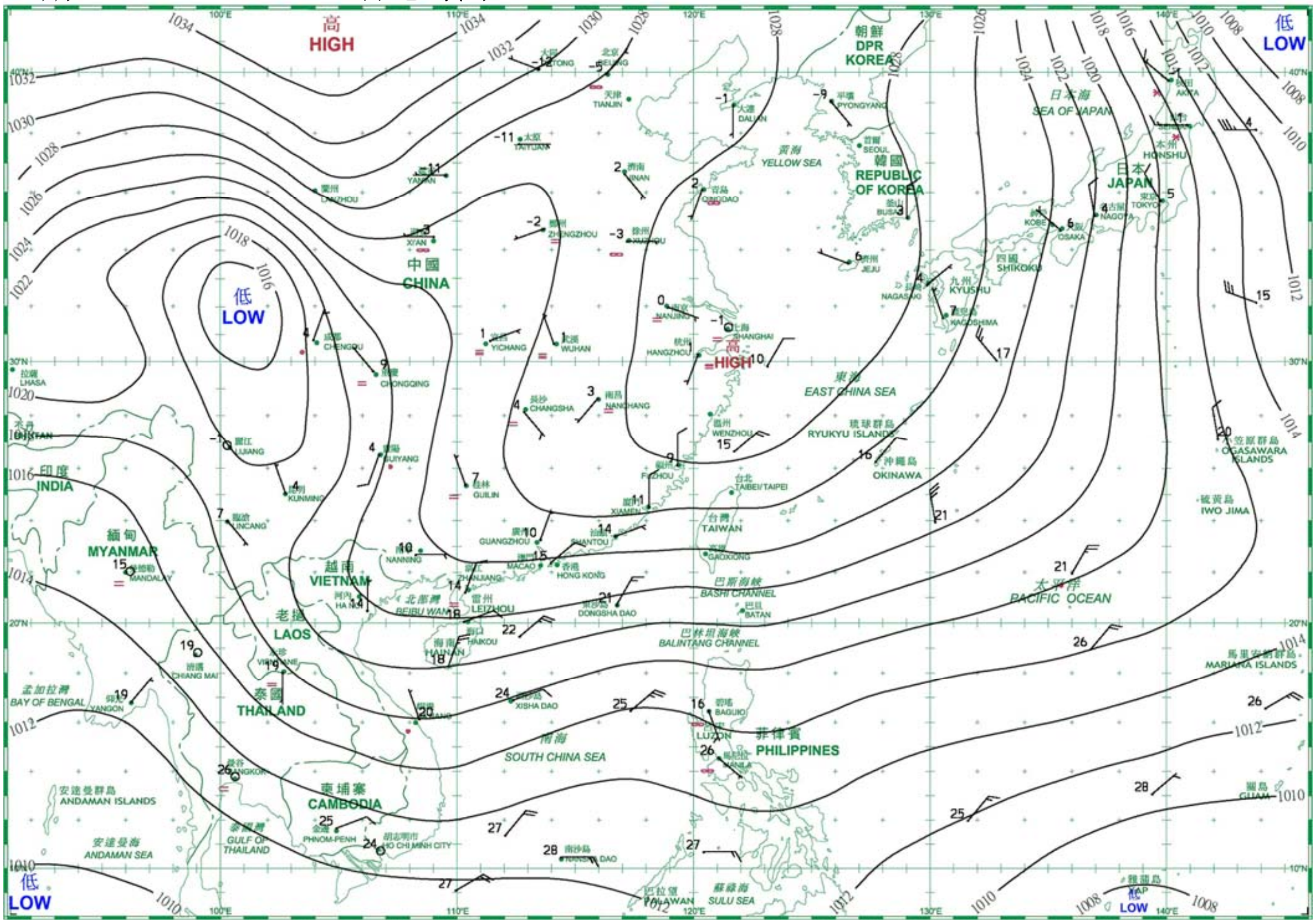

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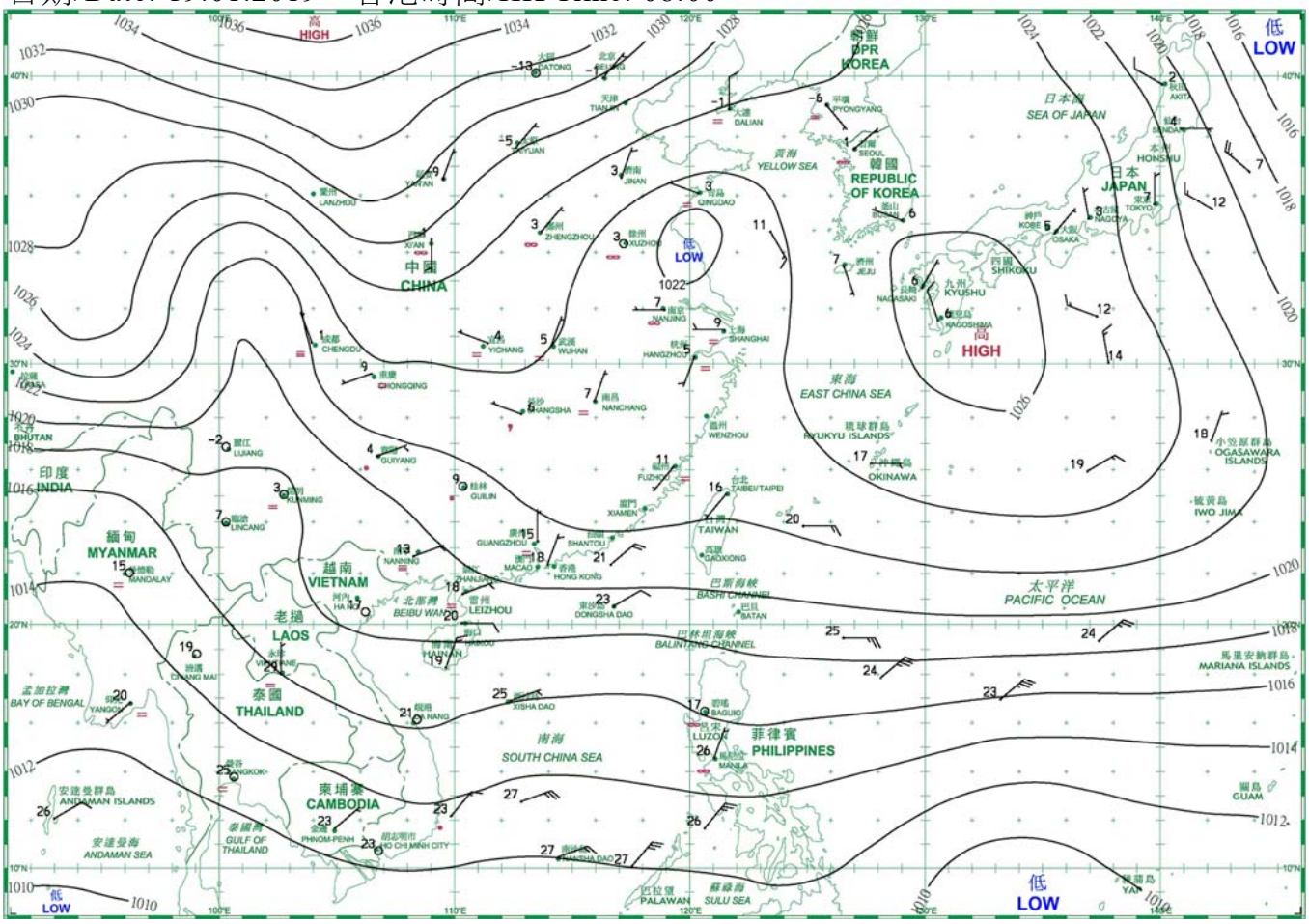

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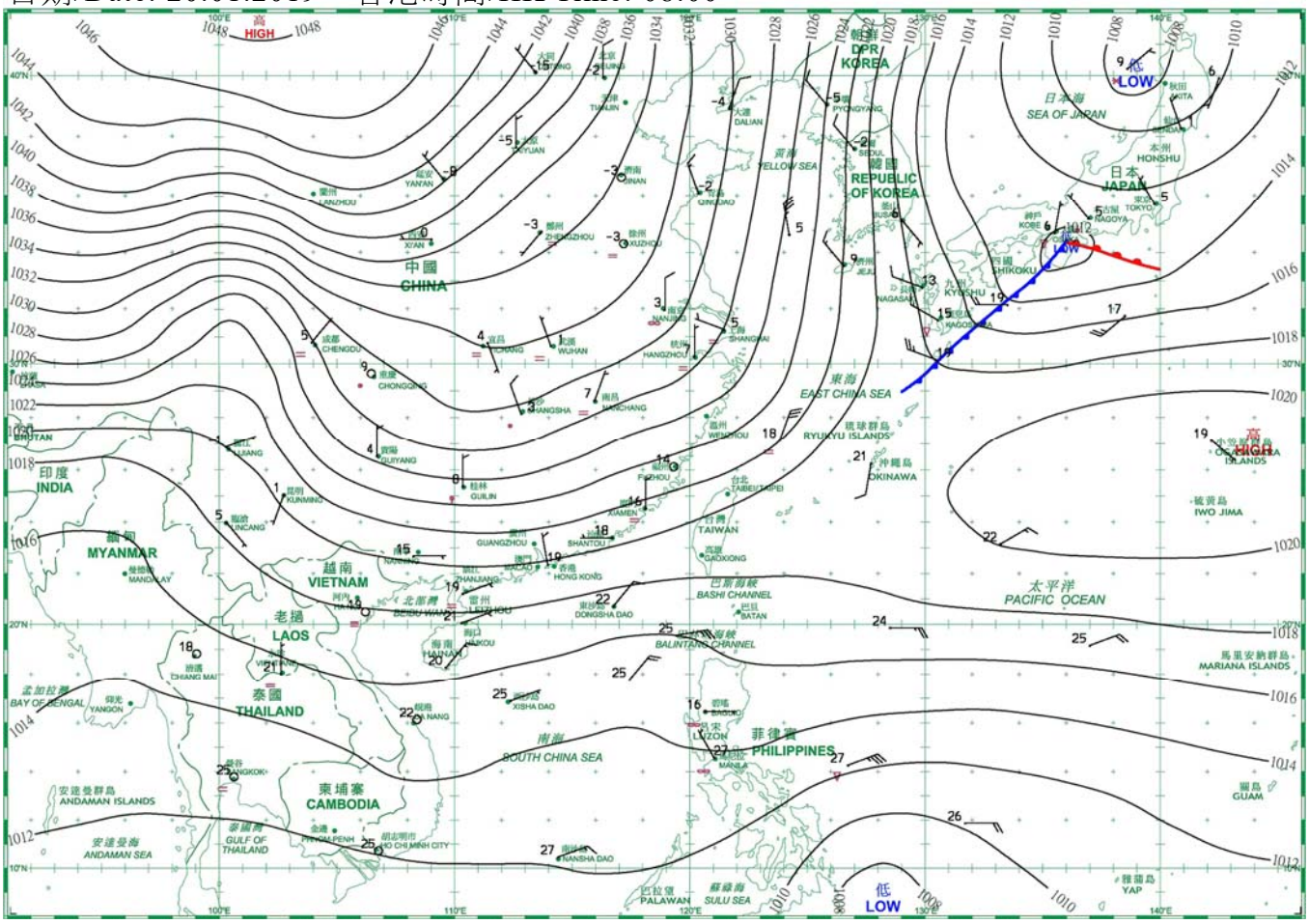

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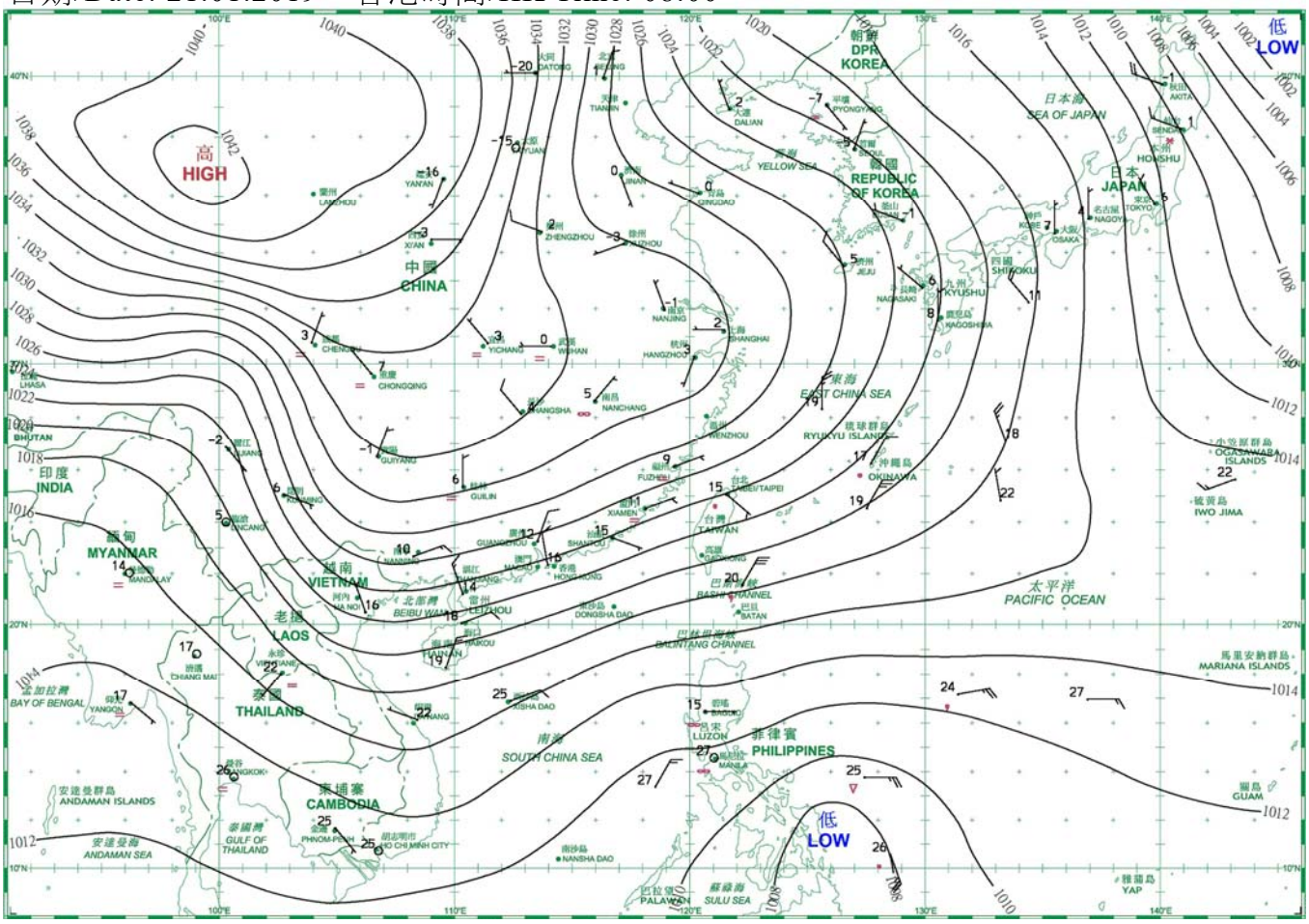

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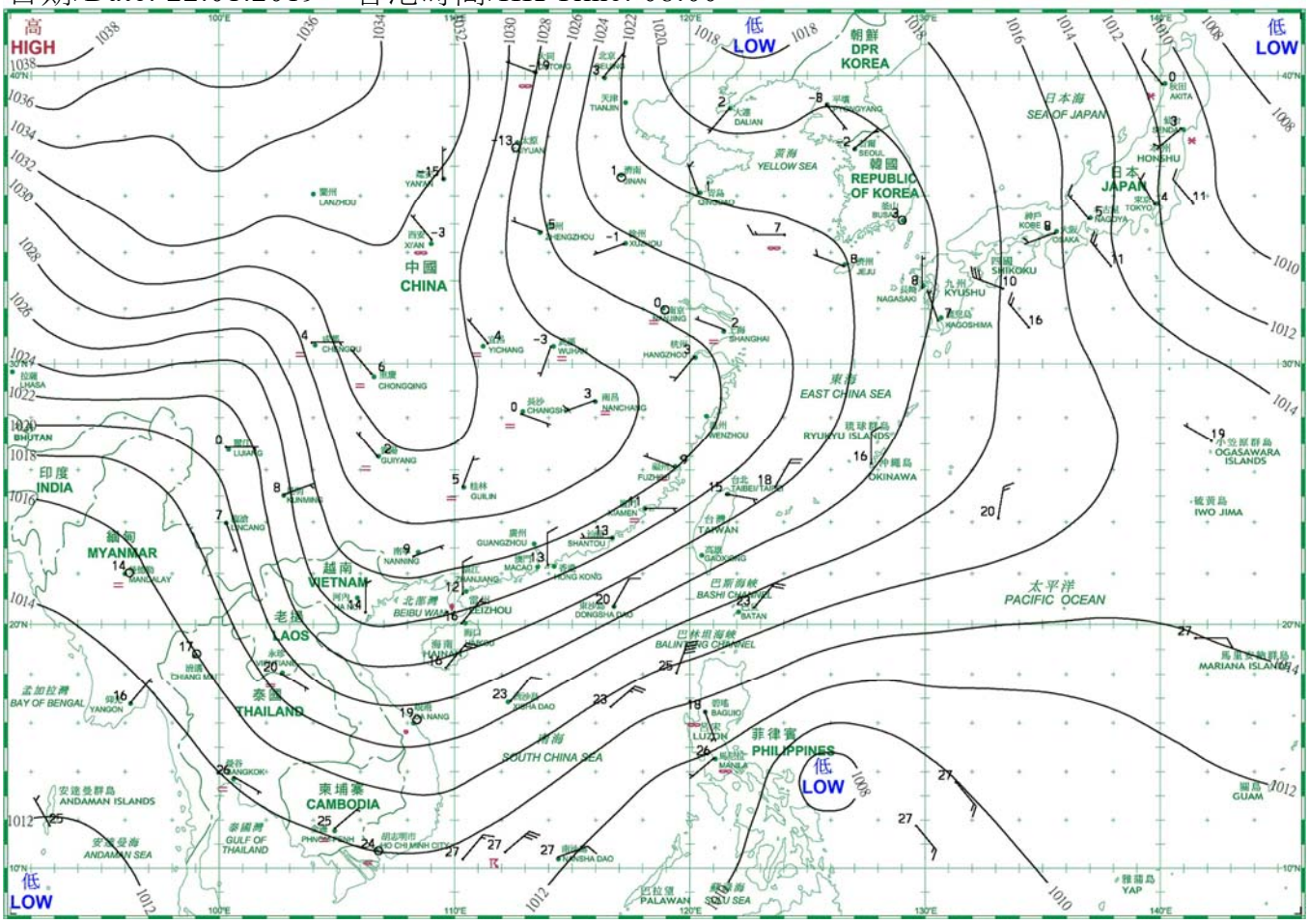

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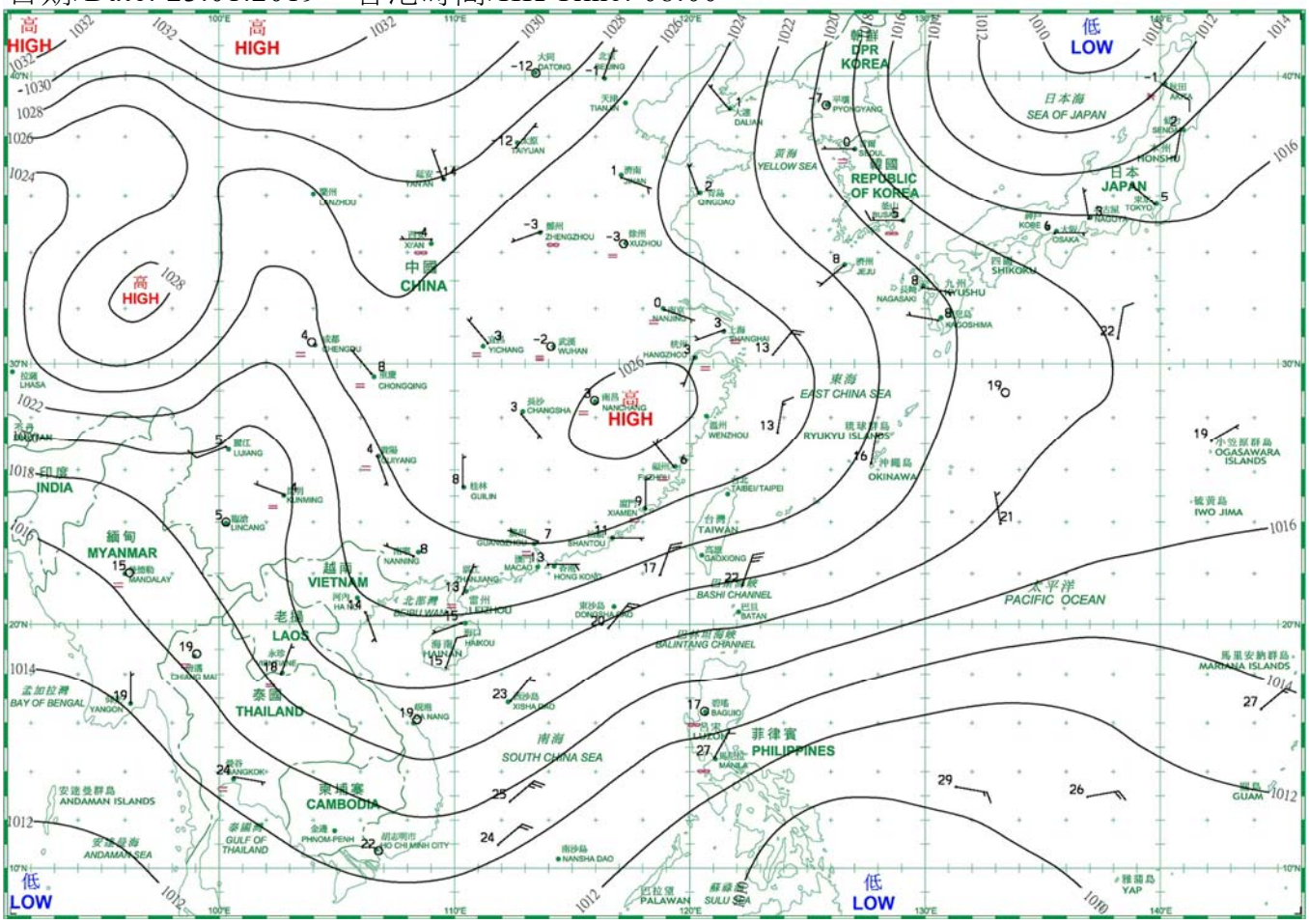

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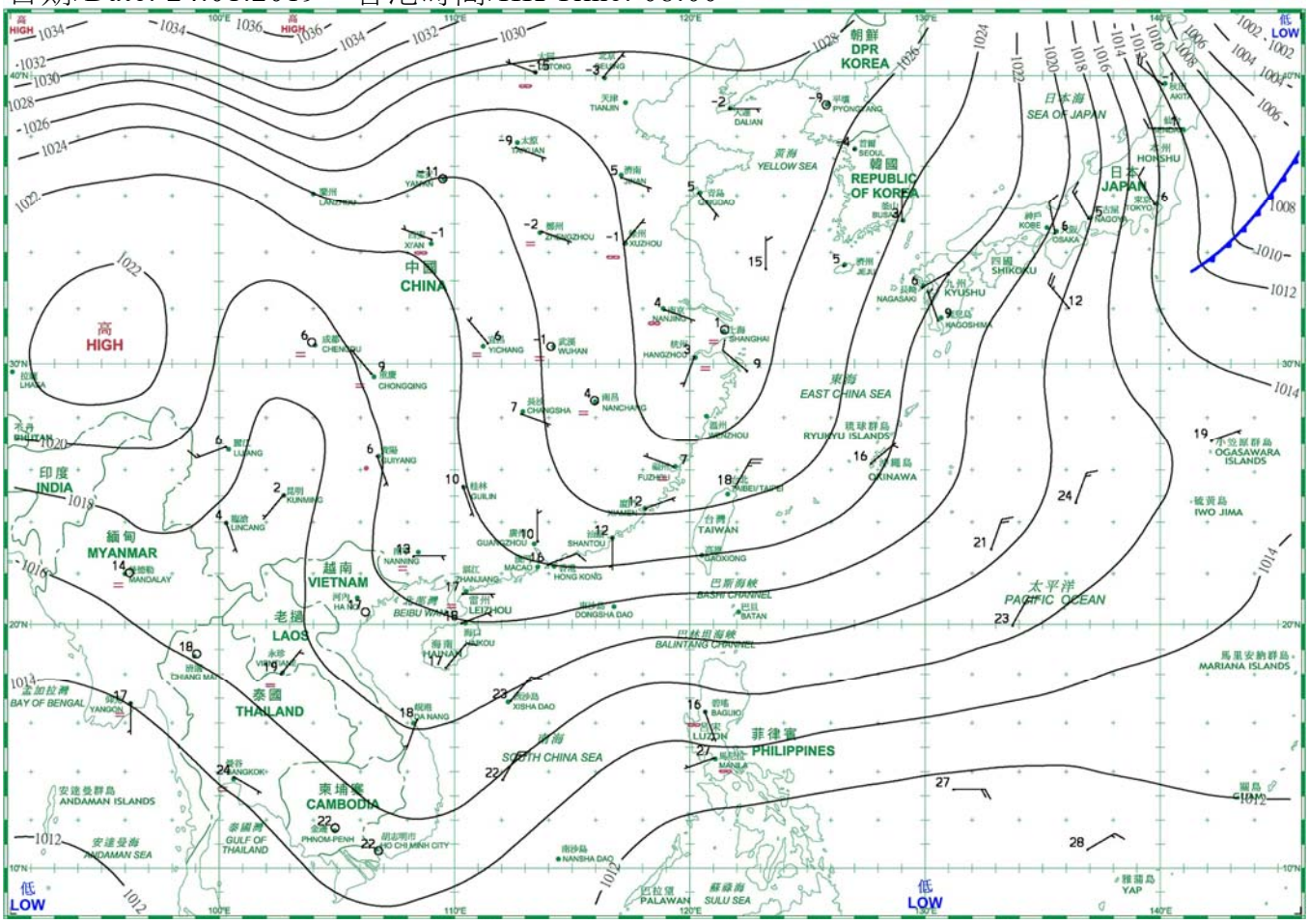

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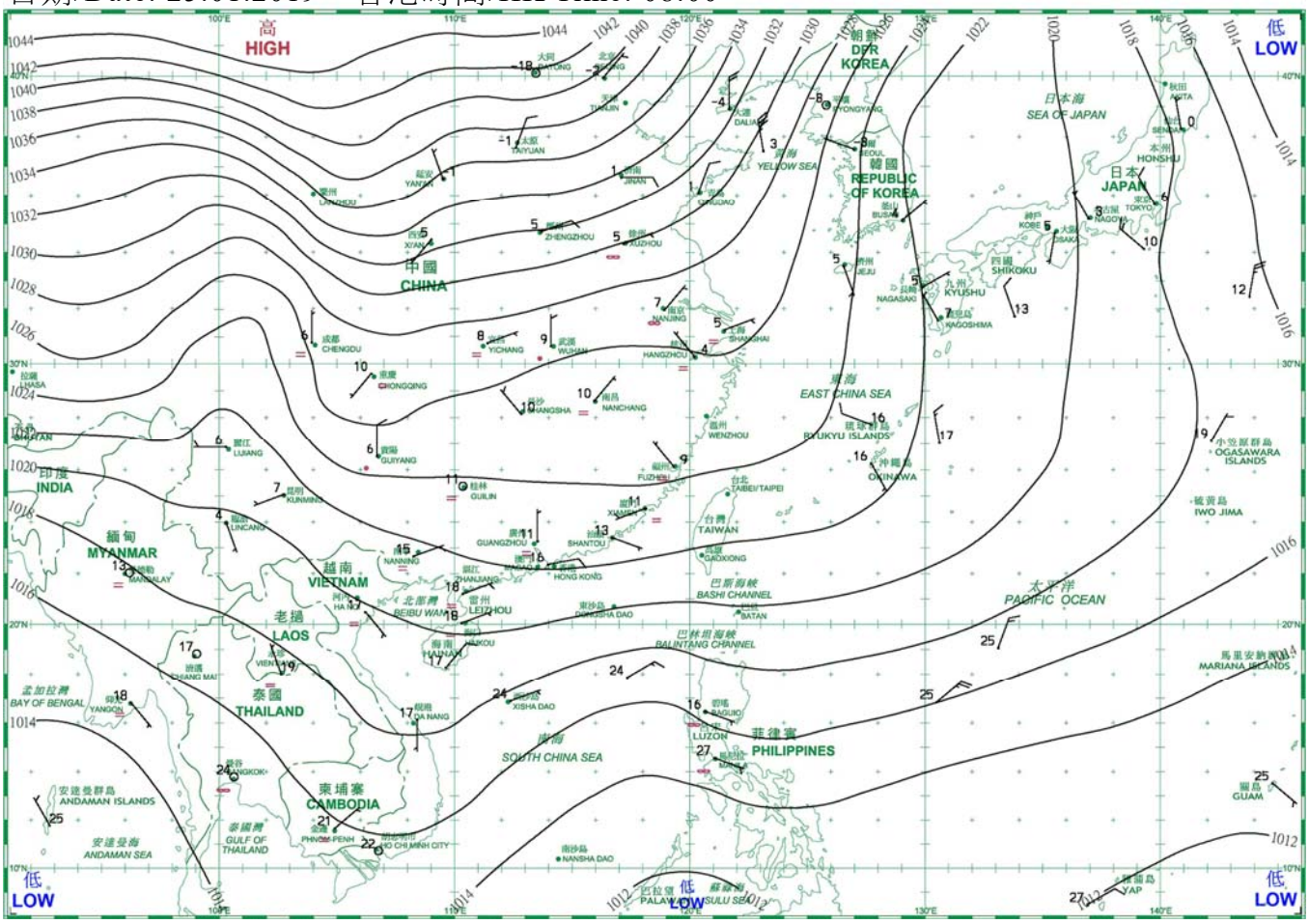
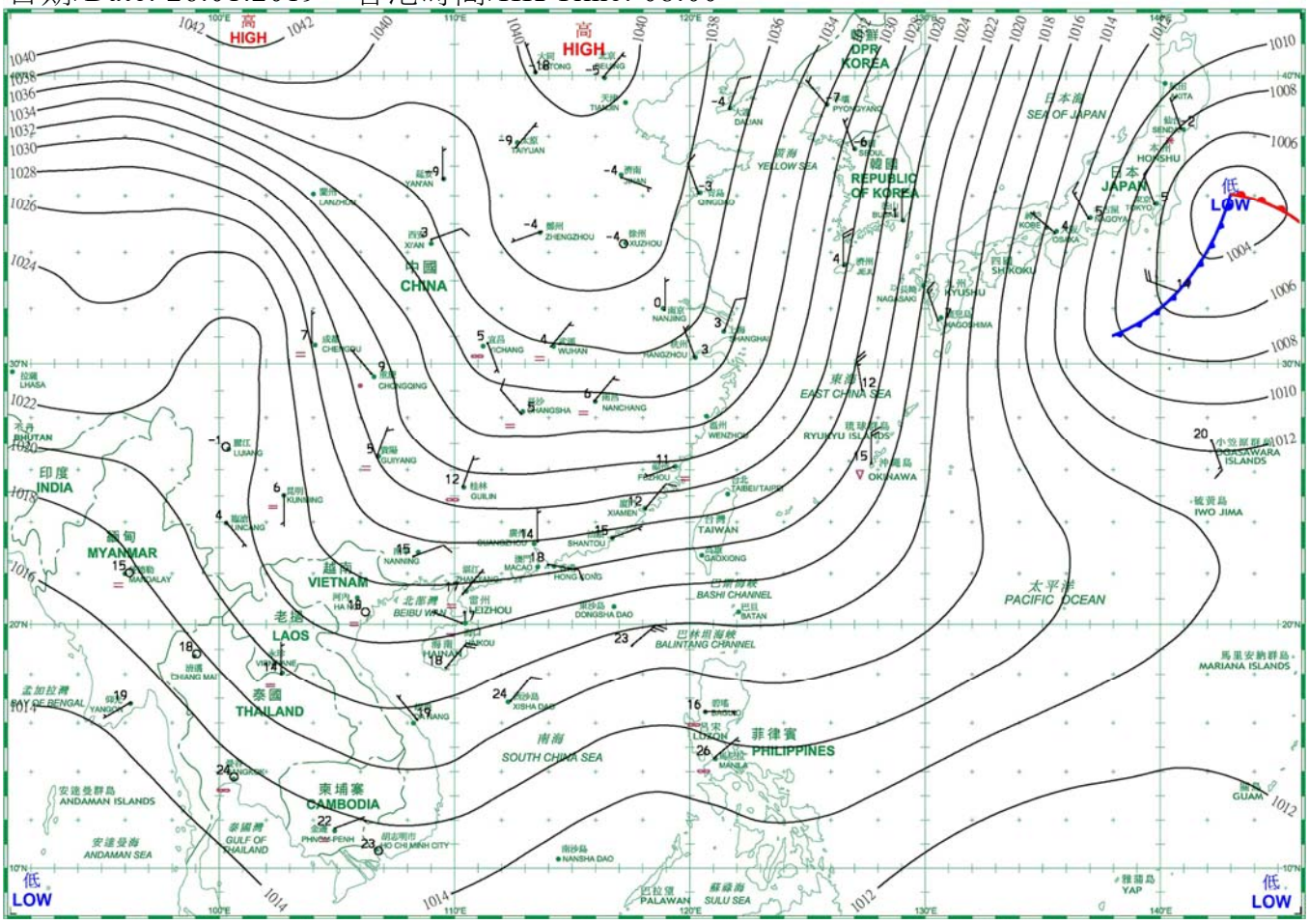
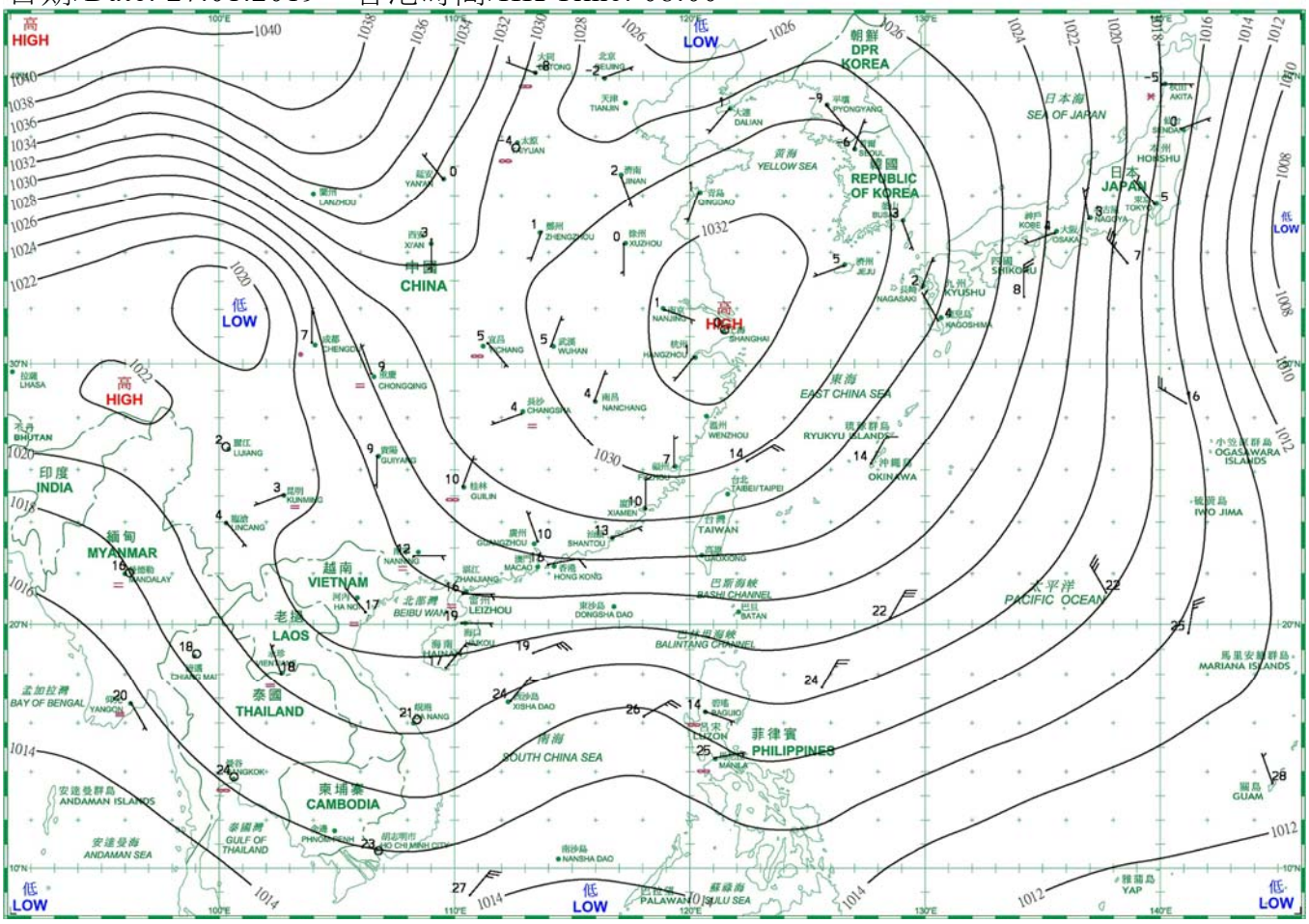


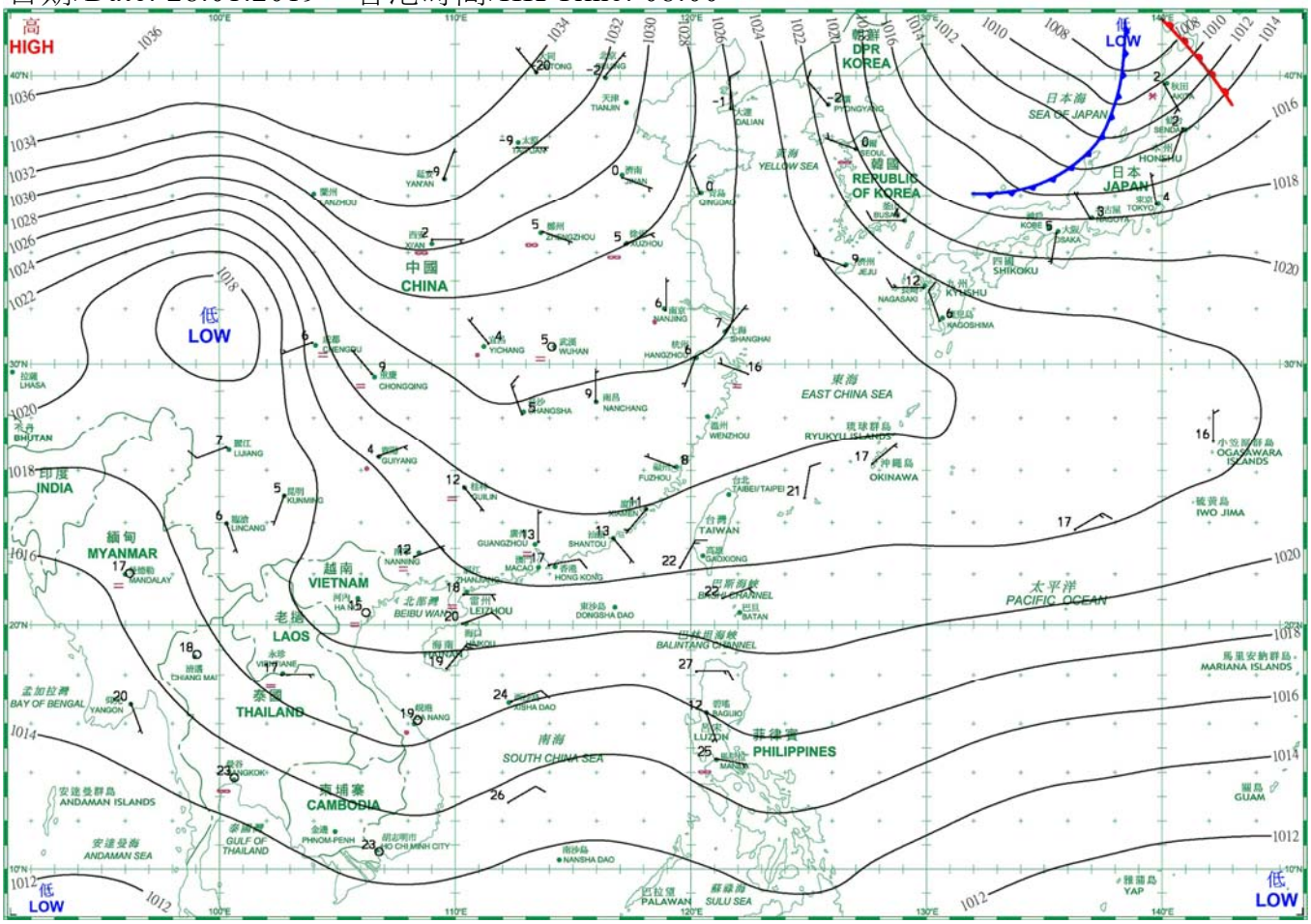
日期/Date: 26.01.2019　香港時間/HK Time: 08:00



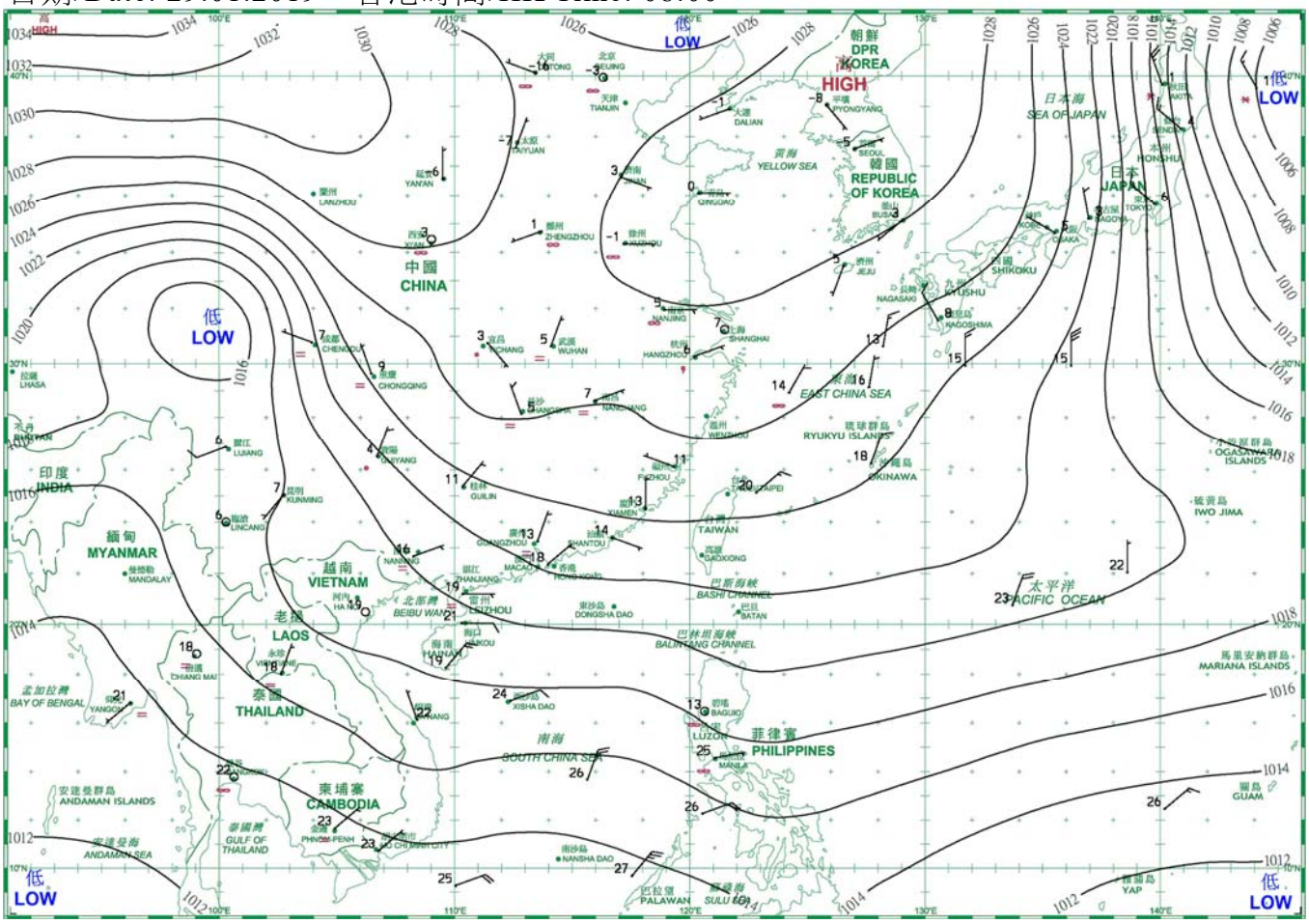
日期/Date: 27.01.2019　香港時間/HK Time: 08:00



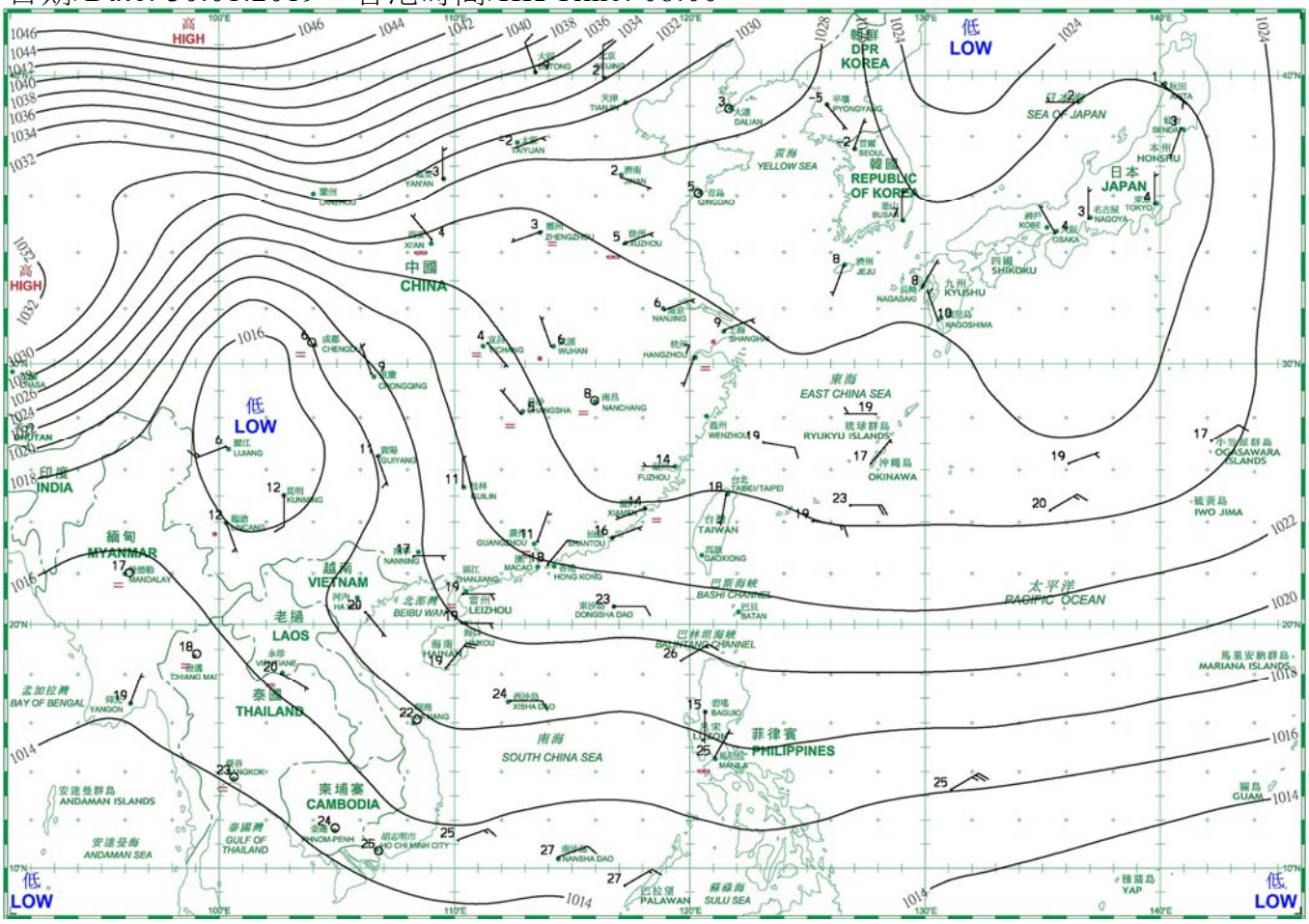
日期/Date: 28.01.2019　香港時間/HK Time: 08:00



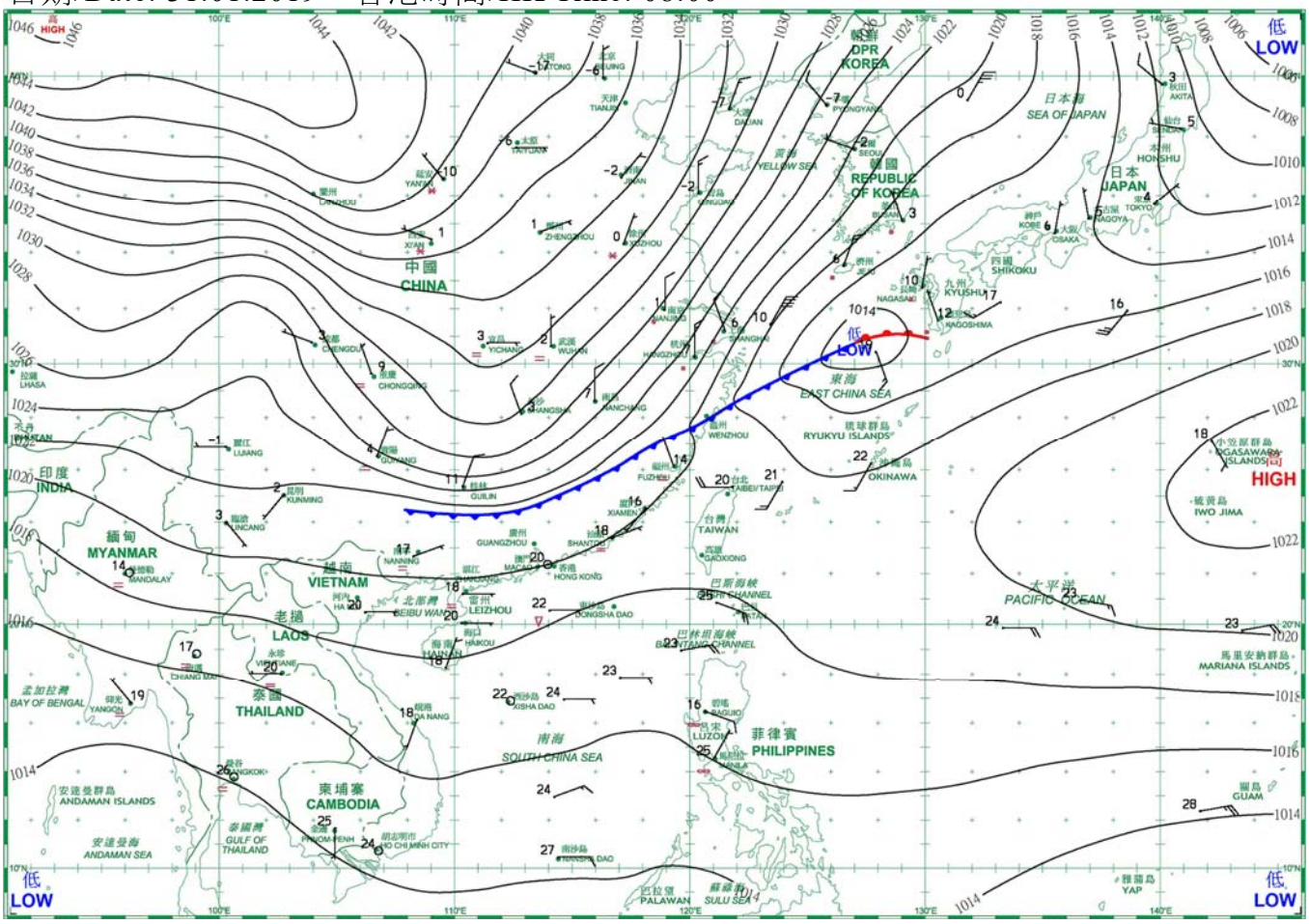
日期/Date: 29.01.2019　香港時間/HK Time: 08:00



日期/Date: 30.01.2019　香港時間/HK Time: 08:00



日期/Date: 31.01.2019　香港時間/HK Time: 08:00



4.1.1 二零一九年一月香港氣象觀測摘錄(一)

4.1.1 Extract of Meteorological Observations in Hong Kong (Part 1), January 2019

日期 Date	平均氣壓 Mean Pressure	氣溫 Air Temperature 最高 Maximum	氣溫 Air Temperature 平均 Mean	氣溫 Air Temperature 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
一月 January	百帕斯卡 hPa	°C	°C	°C	°C	%	%	毫米 mm
1	1026.5	15.9	13.8	11.4	8.0	68	84	Tr
2	1025.4	16.4	14.8	13.5	8.9	68	87	Tr
3	1024.3	17.3	16.2	14.9	13.4	84	91	0.1
4	1022.8	20.9	18.8	16.8	15.8	83	87	0.1
5	1020.5	22.7	19.8	18.9	17.6	87	88	-
6	1021.5	20.0	18.6	17.6	15.7	83	92	Tr
7	1021.4	20.0	18.5	17.4	15.6	83	89	-
8	1021.3	20.7	19.2	17.2	16.5	84	94	0.2
9	1022.3	18.7	17.8	17.2	15.1	84	89	-
10	1020.2	20.8	19.2	17.4	16.0	82	88	-
11	1018.6	23.3	20.6	18.2	17.7	84	55	-
12	1018.3	22.8	20.9	19.3	17.9	83	64	Tr
13	1019.3	19.8	18.5	17.7	16.8	89	91	Tr
14	1018.8	19.7	18.5	17.6	16.2	86	94	Tr
15	1018.8	21.1	19.0	17.0	16.9	88	88	4.0
16	1020.5	19.9	17.3	15.9	12.2	72	87	-
17	1022.2	19.5	16.7	14.6	11.3	70	55	-
18	1022.1	18.5	17.1	15.8	12.6	75	79	-
19	1019.6	21.9	18.8	17.1	14.2	75	85	0.2
20	1018.9	23.4	20.4	18.1	15.3	73	76	0.1
21	1021.8	20.0	17.8	15.8	11.0	64	66	-
22	1022.3	19.1	16.0	13.1	6.2	53	21	-
23	1021.0	19.2	16.2	13.7	8.8	62	3	-
24	1020.6	19.6	16.9	15.0	11.5	71	10	-
25	1021.2	22.2	18.7	16.1	12.3	67	13	-
26	1023.1	21.2	18.2	16.7	13.3	73	17	-
27	1023.6	19.4	16.9	15.6	11.5	71	80	-
28	1021.6	20.3	17.5	15.7	11.4	68	63	-
29	1021.4	20.5	18.5	16.9	13.7	74	39	-
30	1020.8	21.6	19.3	17.2	14.4	73	69	-
31	1018.9	24.5	21.7	18.9	17.2	76	67	-
平均/總值 Mean/Total	1021.3	20.4	18.1	16.4	13.7	76	68	4.7
正常* Normal*	1020.3	18.6	16.3	14.5	11.4	74	61	24.7
觀測站 Station	天文台 Hong Kong Observatory							

天文台於一月十二日 14 時 49 分錄得本月最低氣壓 1016.3 百帕斯卡。
The minimum pressure recorded at the Hong Kong Observatory was 1016.3 hectopascals at 1449 HKT on 12 January.

天文台於一月三十一日 14 時 59 分錄得本月最高氣溫 24.5 °C。
The maximum air temperature recorded at the Hong Kong Observatory was 24.5 °C at 1459 HKT on 31 January.

天文台於一月一日 7 時 9 分錄得本月最低氣溫 11.4 °C。
The minimum air temperature recorded at the Hong Kong Observatory was 11.4 °C at 0709 HKT on 1 January.

京士柏於一月十五日 5 時 11 分錄得本月最高1分鐘平均降雨率 11 毫米/小時。
The maximum 1-minute mean rainfall rate recorded at King's Park was 11 millimetres per hour at 0511 HKT on 15 January.

* 1981-2010 氣候平均值（除特別列明外） *(http://www.hko.gov.hk/wxinfo/climat/normal/cnormal01.htm)*

* 1981-2010 Climatological normal, unless otherwise specified *(http://www.hko.gov.hk/wxinfo/climat/normal/enormal01.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 二零一九年一月香港氣象觀測摘錄(二)

4.1.2 Extract of Meteorological Observations in Hong Kong (Part 2), January 2019

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	0	4.6	12.02	2.6	350	26.5
2	0	0.1	5.73	2.1	360	26.3
3	0	-	3.15	0.5	030	26.0
4	5	1.3	8.66	1.1	060	30.1
5	0	0.5	7.15	1.9	330	6.3
6	0	-	5.28	1.9	020	20.0
7	10	-	7.77	1.2	070	27.2
8	6	-	5.26	1.4	070	18.3
9	0	2.7	8.34	1.6	070	32.5
10	9	2.6	9.07	1.8	060	24.5
11	13	6.5	13.31	1.6	040	12.8
12	15	8.6	13.83	2.8	020	6.7
13	3	-	4.10	1.1	070	26.9
14	12	0.1	5.88	1.0	070	25.8
15	2	1.2	6.76	2.0	060	21.8
16	0	0.8	7.02	2.7	360	26.5
17	1	8.1	16.14	2.6	360	20.3
18	4	2.0	6.95	1.5	060	26.4
19	3	1.7	9.51	1.6	050	20.6
20	6	5.2	12.69	3.4	030	20.6
21	1	4.2	11.74	3.5	360	25.6
22	16	10.0	17.51	3.4	360	23.6
23	0	9.8	17.11	1.9	010	15.5
24	0	10.0	18.27	2.8	060	25.6
25	2	10.2	17.96	2.7	050	14.8
26	4	8.6	15.66	3.1	070	28.5
27	2	7.0	13.77	3.0	070	37.5
28	0	3.3	11.25	2.2	060	28.8
29	0	9.8	19.33	2.9	040	24.6
30	0	6.7	15.04	2.6	050	25.8
31	0	7.7	14.22	3.0	010	11.8
平均/總值 Mean/Total	114	133.3	10.98	67.5	060	22.8
正常* Normal*	226.8 §	143.0	10.17	71.3	060	25.3
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^	

橫瀾島於一月四日 0 時 45 分錄得本月最高陣風 63 公里/小時，風向 070 度。
The maximum gust peak speed recorded at Waglan Island was 63 kilometres per hour from 070 degrees at 0045 HKT on 4 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.

* 1981-2010 氣候平均值（除特別列明外） *(http://www.hko.gov.hk/wxinfo/climat/normal/cnormal01.htm)*

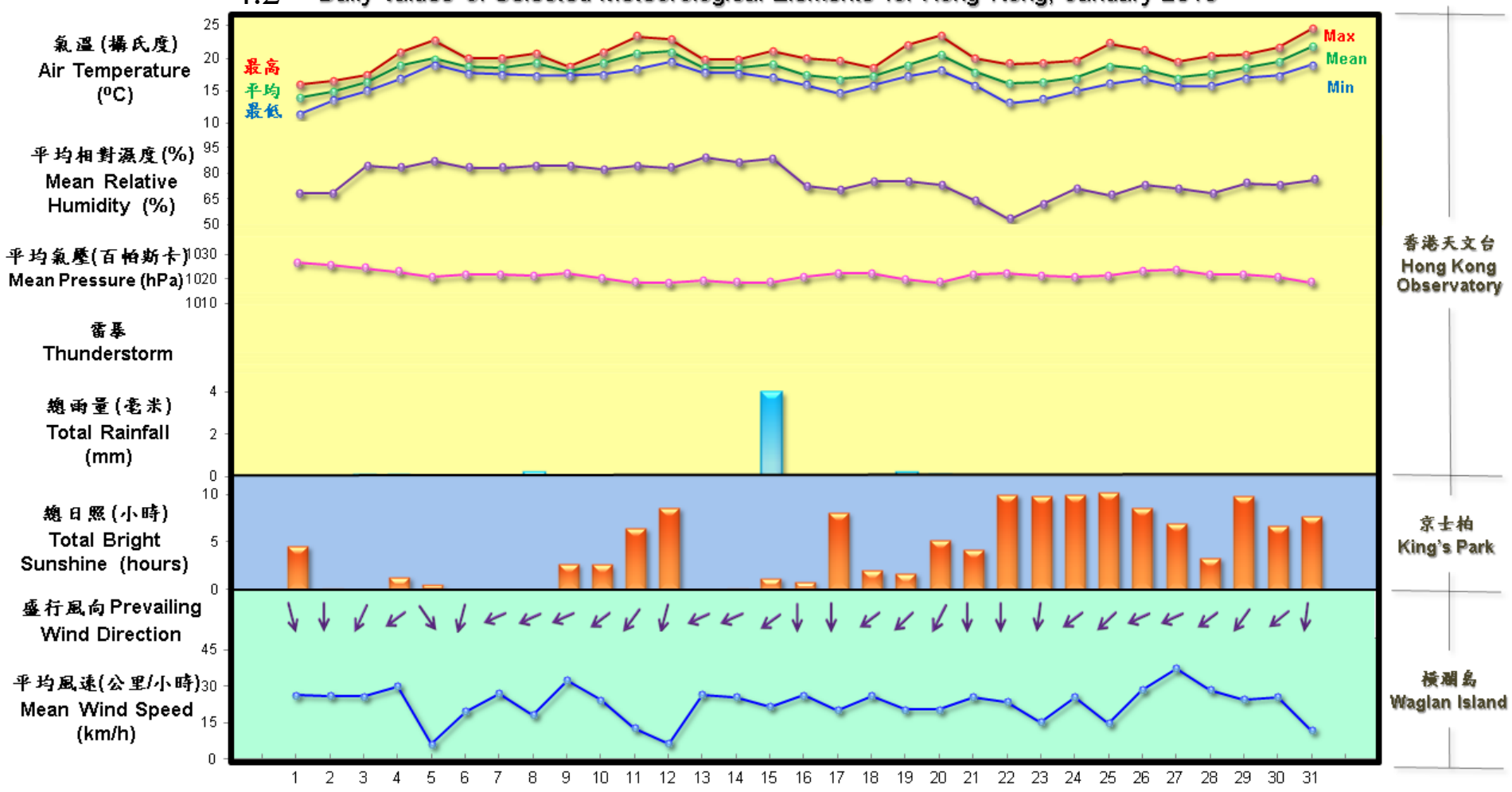
***** 1981-2010 Climatological normal, unless otherwise specified *(http://www.hko.gov.hk/wxinfo/climat/normal/enormal01.htm)*

§ 1997-2018 平均值

§ 1997-2018 Mean value

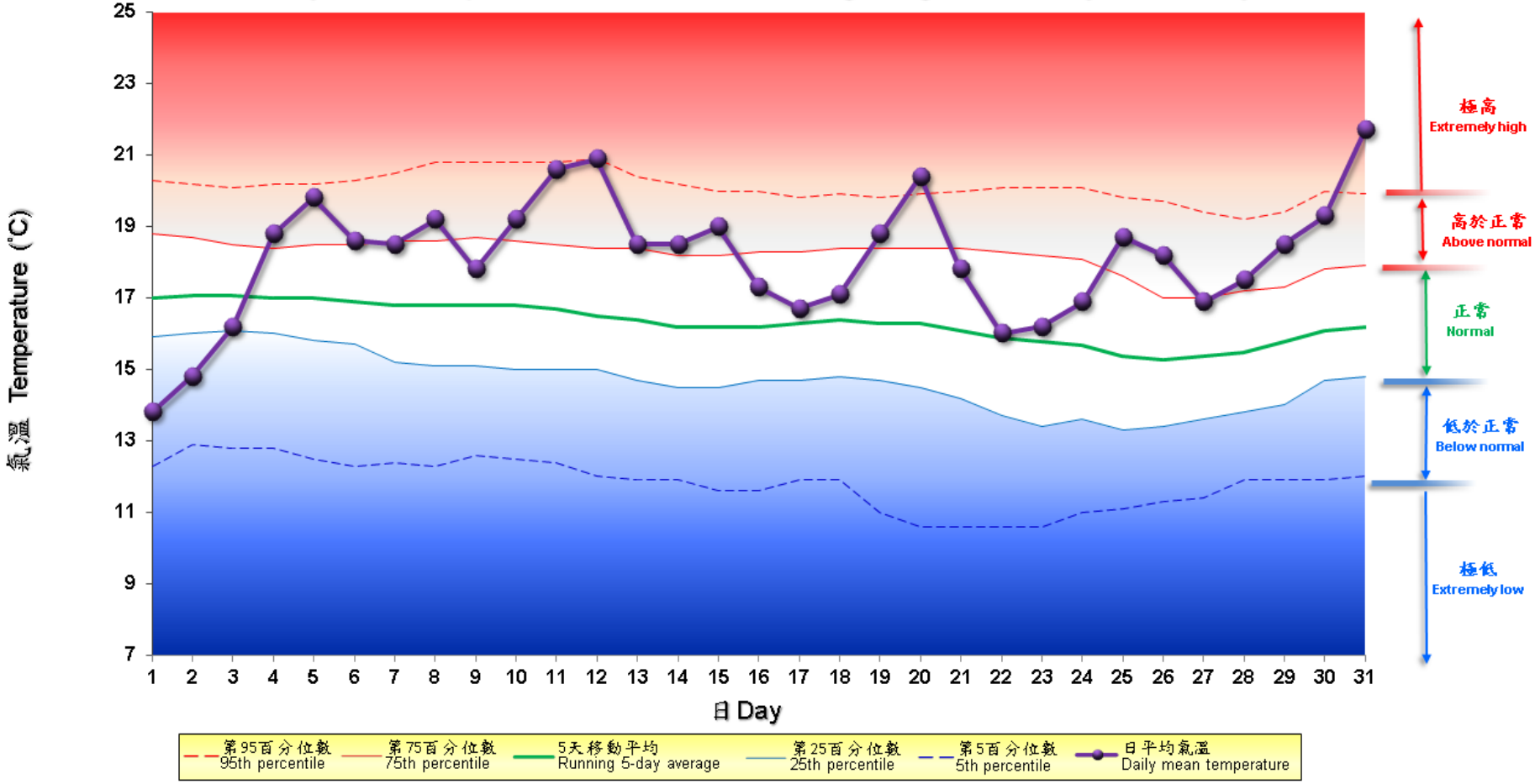
4.2 2019年1月部分香港氣象要素的每日記錄

4.2 Daily Values of Selected Meteorological Elements for Hong Kong, January 2019



4.3 2019年1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 January 2019



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