3.3 熱帶低氣壓 ：二零一四年九月七日至八日

九月七日早上一個熱帶低氣壓在南海北部形成，成為二零一四年第三個天文台需要發出熱帶氣旋警告信號的熱帶氣旋。

該熱帶低氣壓的生成位置約在海口之東南偏東約340公里，並採取西北路徑移向廣東西部至雷州半島一帶。它於當日下午達到其最高強度，中心附近最高持續風速估計為每小時55公里。九月八日下午熱帶低氣壓於湛江市附近登陸，晚上在雷州半島減弱為一個低壓區。

天文台於九月七日上午9時40分發出一號戒備信號，當時該熱帶低氣壓位於香港之西南偏南約390公里，本港風勢稍為增強，吹和緩至清勁偏東風，高地間中吹強風。天文台總部於當天下午2時38分錄得最低瞬時海平面氣壓1006.0百帕斯卡，當時該熱帶低氣壓位於香港之西南偏南約390公里。熱帶低氣壓於九月八日上午2時左右最接近香港，在本港西南約360公里附近掠過。隨著熱帶低氣壓逐漸遠離，本港風勢逐漸減弱，天文台於當天早上9時10分取消所有熱帶氣旋警告信號。

在熱帶低氣壓的影響下，尖鼻咀錄得的最高潮位(海圖基準面以上)為2.84米，而大埔滘則錄得最大風暴潮0.22米(天文潮高度以上)。

受熱帶低氣壓的外圍雨帶影響，九月七至八日本港大致多雲及有幾陣狂風驟雨，局部地區有雷暴，部分地區錄得超過10毫米雨量。

該熱帶低氣壓並沒有在香港造成嚴重破壞。一人於九月七日在大浪西灣遭大浪捲走，其後獲救。

表3.3.1 - 3.3.3分別是熱帶低氣壓影響香港期間各站錄得的最高風速、香港的日雨量及最高潮位資料。圖3.3.1 - 3.3.4分別為熱帶低氣壓的路徑圖、本港的雨量分佈圖、熱帶低氣壓的衛星及相關雷達圖像。

3.3 Tropical Depression : 7 – 8 September 2014

A tropical depression formed over the northern part of the South China Sea on the morning of 7 September, becoming the third tropical cyclone necessitating the issuance of tropical cyclone warning signal by the Observatory in 2014.

After forming about 340 km east-southeast of Haikou, the tropical depression moved northwestwards towards western Guangdong and the Leizhou Peninsula. It reached peak intensity that afternoon with an estimated sustained wind of 55 km/h near its centre. The tropical depression made landfall near Zhanjiang on the afternoon of 8 September and weakened into an area of low pressure over the Leizhou Peninsula that night.

In Hong Kong, the Standby Signal No. 1 was issued by the Observatory at 9:40 a.m. on 7 September when the tropical depression was about 390 km south-southwest of the territory. Local winds picked up slightly, becoming moderate to fresh easterlies and occasionally strong on high ground. At the Observatory Headquarters, the lowest instantaneous mean sea-level pressure of 1006.0 hPa was recorded at 2:38 p.m. that day when the tropical depression was about 390 km to the south-southwest. The tropical depression was closest to the territory at about 2 a.m. the next day as it skirted past about 360 km to the southwest. With the tropical depression moving gradually away from Hong Kong, local winds subsided on 8 September and all tropical cyclone warning signals were cancelled at 9:10 a.m. that morning.

Under the influence of the tropical depression, a maximum sea level (above chart datum) of 2.84 m was recorded at Tsim Bei Tsui, while a maximum storm surge (above astronomical tide) of 0.22 m was recorded at Tai Po Kau.

Affected by the outer rainbands of the tropical depression, local weather was mainly cloudy with a few squally showers and isolated thunderstorms on 7 and 8 September. More than 10 millimetres of rainfall were recorded over parts of the territory.

The tropical depression did not cause any significant damage in Hong Kong. A person swept away by freak waves at Tai Long Sai Wan on 7 September was later rescued.

Information on the maximum wind, daily rainfall and maximum sea level reached in Hong Kong during the passage of the tropical depression is given in Tables 3.3.1 - 3.3.3 respectively. Figures 3.3.1 - 3.3.4 show respectively the track of the tropical depression, the rainfall distribution for Hong Kong, a satellite imagery and a radar imagery of the tropical depression.

表 3.3.1　在熱帶低氣壓影響下，本港各站在熱帶氣旋警告信號生效時所錄得的最高陣風、最高每小時平均風速及風向

Table 3.3.1　Maximum gust peak speeds and maximum hourly mean winds with associated wind directions recorded at various stations when the tropical cyclone warning signals for the tropical depression were in force

站（參閱圖 1.1）Station (See Fig. 1.1)		最高陣風 Maximum Gust					最高每小時平均風速 Maximum Hourly Mean Wind				
		風向 Direction		風速（公里/時）Speed (km/h)	日期/月份 Date/Month	時間 Time	風向 Direction		風速（公里/時）Speed (km/h)	日期/月份 Date/Month	時間 Time
黃麻角(赤柱)	Bluff Head (Stanley)	東南偏東	ESE	58	7/9	16:46	東南偏東	ESE	27	7/9	17:00
中環碼頭	Central Pier	東	E	43	7/9	17:06	東	E	31	7/9	16:00
		東	E	43	7/9	17:16					
長洲	Cheung Chau	東南偏東	ESE	58	7/9	20:22	東	E	36	7/9	17:00
長洲泳灘	Cheung Chau Beach	東北偏東	ENE	59	7/9	17:09	東	E	38	7/9	17:00
青洲	Green Island	東北	NE	58	7/9	20:54	東北	NE	43	7/9	16:00
香港國際機場	Hong Kong International Airport	東南偏東	ESE	49	7/9	16:22	東南偏東	ESE	34	7/9	16:00
啟德	Kai Tak	東南偏東	ESE	51	7/9	13:02	東	E	23	7/9	13:00
							東	E	23	7/9	14:00
京士柏	King's Park	東南偏東	ESE	41	7/9	16:59	東南	SE	16	7/9	16:00
							東南偏東	ESE	16	7/9	20:00
							東南偏東	ESE	16	7/9	21:00
流浮山	Lau Fau Shan	東北偏東	ENE	49	7/9	14:25	東北偏東	ENE	30	7/9	15:00
昂坪	Ngong Ping	東	E	79	7/9	18:36	東	E	63	7/9	19:00
北角	North Point	東	E	43	7/9	11:14	東	E	25	7/9	16:00
		東	E	43	7/9	15:48					
坪洲	Peng Chau	東	E	47	7/9	15:16	東	E	36	7/9	16:00
西貢	Sai Kung	東北偏東	ENE	38	7/9	15:50	東北偏東	ENE	25	7/9	12:00
沙洲	Sha Chau	東南	SE	41	7/9	17:46	東南	SE	30	7/9	16:00
沙螺灣	Sha Lo Wan	東	E	47	7/9	16:20	東	E	25	7/9	17:00
沙田	Sha Tin	東	E	31	7/9	14:55	東	E	13	7/9	14:00
							東	E	13	7/9	15:00
石崗	Shek Kong	東	E	36	7/9	16:36	東	E	19	7/9	16:00
九龍天星碼頭	Star Ferry (Kowloon)	東	E	49	7/9	17:02	東	E	31	7/9	17:00
打鼓嶺	Ta Kwu Ling	東	E	34	7/9	18:32	東	E	14	7/9	17:00
大美督	Tai Mei Tuk	東	E	47	7/9	15:54	東	E	31	7/9	15:00
		東	E	47	7/9	17:09					
大帽山	Tai Mo Shan	東南偏東	ESE	75	7/9	19:31	東	E	52	7/9	20:00
大埔滘	Tai Po Kau	東	E	40	7/9	16:06	東	E	27	7/9	17:00
塔門	Tap Mun	東南	SE	34	7/9	23:46	東南	SE	22	8/9	09:00
大老山	Tate's Cairn	東南偏東	ESE	63	7/9	19:52	東	E	40	7/9	20:00
將軍澳	Tseung Kwan O	東北偏東	ENE	40	7/9	15:39	東北偏東	ENE	14	7/9	14:00
青衣島蜆殼油庫	Tsing Yi Shell Oil Depot	-	-	36	7/9	12:50	-	-	16	7/9	16:00
屯門政府合署	Tuen Mun Government Offices	東南偏東	ESE	40	7/9	15:16	東南	SE	19	7/9	16:00
橫瀾島	Waglan Island	東南	SE	67	7/9	16:36	東北偏東	ENE	41	7/9	12:00
濕地公園	Wetland Park	東	E	34	7/9	14:50	東	E	16	7/9	15:00
黃竹坑	Wong Chuk Hang	東南	SE	43	7/9	17:02	東	E	22	7/9	13:00

- 沒有資料 - data not available

平洲- 沒有資料 Ping Chau- data not available

表 3.3.2　熱帶低氣壓影響香港期間，香港天文台總部及其他各站所錄得的日雨量
Table 3.3.2　Daily rainfall amounts recorded at the Hong Kong Observatory Headquarters and other stations during the passage of the tropical depression

站 (參閱圖 3.3.2) Station (See Fig. 3.3.2)			九月七日 7 Sep	九月八日 8 Sep	總雨量 (毫米) Total (mm)
香港天文台 Hong Kong Observatory			0.6	3.0	3.6
香港國際機場 Hong Kong International Airport (HKA)			0.2	2.1	2.3
長洲 Cheung Chau (CCH)			4.5	4.0	8.5
H23	香港仔	Aberdeen	1.0	[3.5]	[4.5]
N05	粉嶺	Fanling	[0.5]	[4.0]	[4.5]
N13	糧船灣	High Island	0.0	[1.0]	[1.0]
K04	佐敦谷	Jordan Valley	3.0	[11.0]	[14.0]
N06	葵涌	Kwai Chung	6.0	[7.5]	[13.5]
H12	半山區	Mid Levels	1.5	[6.0]	[7.5]
SHA	沙田	Sha Tin	4.0	14.0	18.0
H19	筲箕灣	Shau Kei Wan	0.5	[12.0]	[12.5]
SEK	石崗	Shek Kong	3.0	4.5	7.5
K06	蘇屋邨	So Uk Estate	3.0	[5.0]	[8.0]
R31	大美督	Tai Mei Tuk	4.0	8.0	12.0
R21	踏石角	Tap Shek Kok	0.5	1.0	1.5
N17	東涌	Tung Chung	1.5	[9.5]	[11.0]
R27	元朗	Yuen Long	2.0	1.0	3.0

註: [ ] 基於不齊全的每小時雨量數據。 Note: [ ] based on incomplete hourly data.

表 3.3.3　熱帶低氣壓影響香港期間，香港各潮汐站所錄得的最高潮位及最大風暴潮
Table 3.3.3　Times and heights of the maximum sea level and the maximum storm surge recorded at tide stations in Hong Kong during the passage of the tropical depression

站 (參閱圖 1.1) Station (See Fig. 1.1)		最高潮位 (海圖基準面以上) Maximum sea level (above chart datum)			最大風暴潮 (天文潮高度以上) Maximum storm surge (above astronomical tide)		
		高度(米) Height (m)	日期/月份 Date/Month	時間 Time	高度(米) Height (m)	日期/月份 Date/Month	時間 Time
鰂魚涌	Quarry Bay	2.49	8/9	07:54	0.11	7/9	21:22
石壁	Shek Pik	2.53	8/9	07:48	0.10	7/9	21:39
大廟灣	Tai Miu Wan	2.34	8/9	08:01	0.06	7/9	20:58
大埔滘	Tai Po Kau	2.50	8/9	09:09	0.22	7/9	11:48
尖鼻咀	Tsim Bei Tsui	2.84	8/9	08:51	0.02	8/9	08:55
橫瀾島	Waglan Island	2.52	8/9	07:55	0.10	7/9	21:00

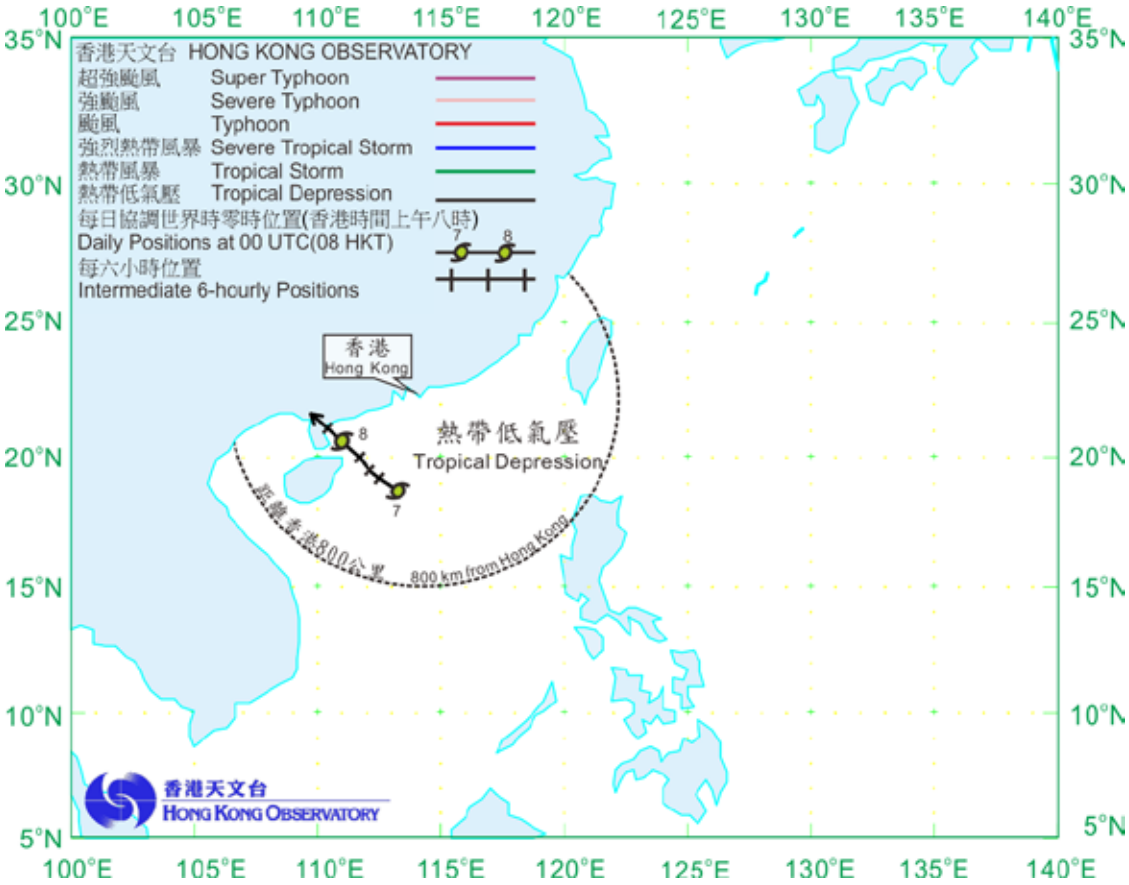

圖 3.3.1　　二零一四年九月七日至八日熱帶低氣壓的路徑圖。
Figure 3.3.1　　Track of the tropical depression on 7 - 8 September 2014.

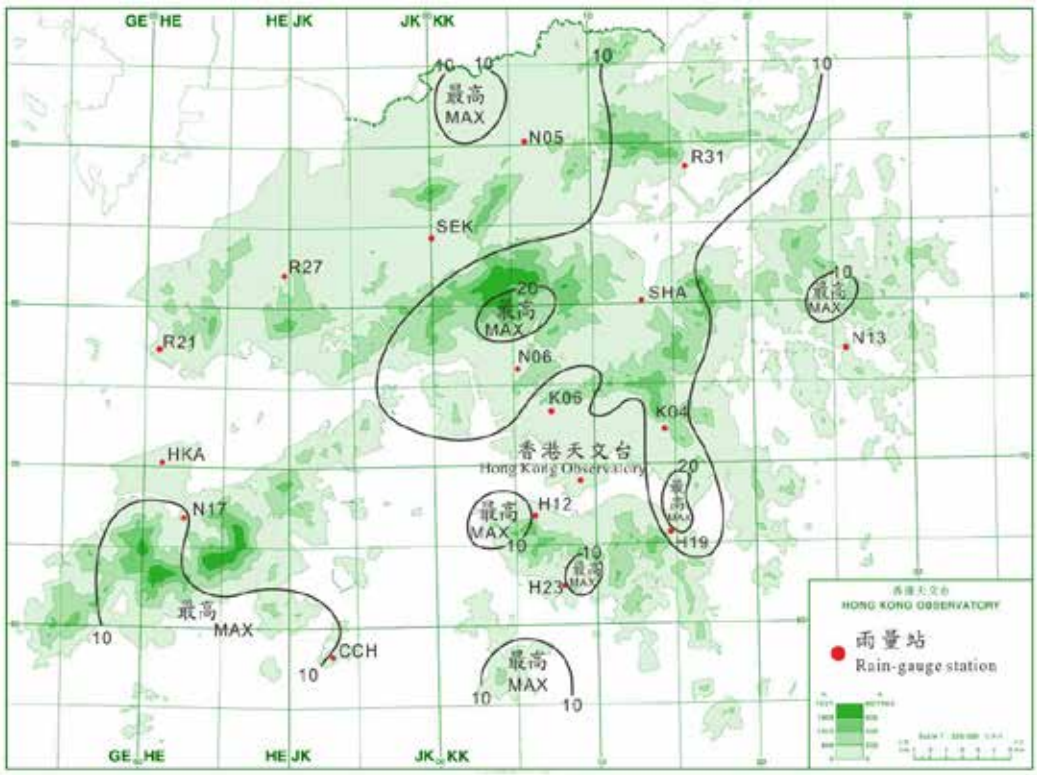

圖 3.3.2　　二零一四年九月七日至八日的雨量分佈(等雨量線單位為毫米)。
Figure 3.3.2　　Rainfall distribution on 7 - 8 September 2014 (isohyets are in millimetres).

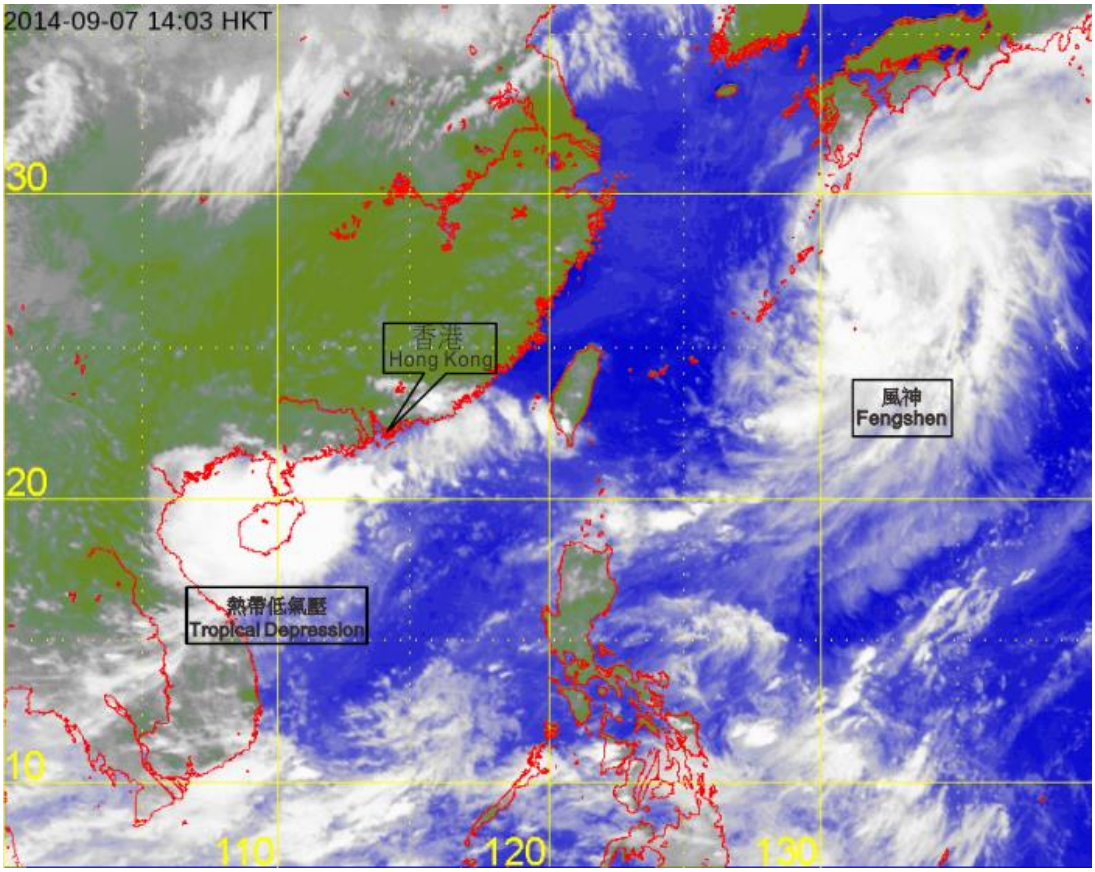

圖 3.3.3　二零一四年九月七日下午 2 時左右的紅外線衛星圖片，當時熱帶低氣壓達到其最高強度，中心附近最高持續風速估計為每小時 55 公里。

Figure 3.3.3　Infra-red satellite imagery at about 2 p.m. on 7 September 2014, when the tropical depression was at peak intensity with estimated maximum sustained winds of 55 km/h near its centre.

〔此衛星圖像接收自日本氣象廳的多用途輸送衛星-2。〕

[The satellite imagery was originally captured by the Multi-functional Transport Satellite-2 (MTSAT-2) of Japan Meteorological Agency (JMA).]

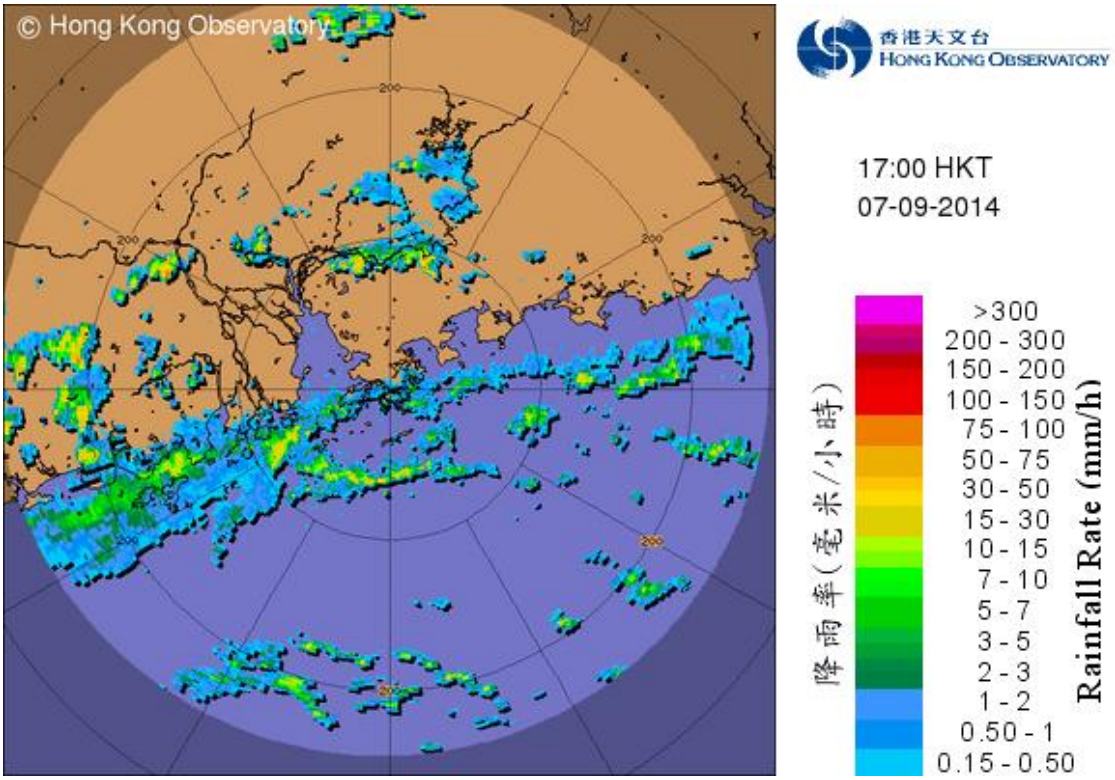

圖 3.3.4　二零一四年九月七日下午 5 時的雷達回波圖像，當時該熱帶低氣壓正集結在香港之西南偏南約 390 公里，其外圍雨帶正影響本港。

Figure 3.3.4　Image of radar echoes at 5 p.m. on 7 September 2014, when the tropical depression was located about 390 km south-southwest of Hong Kong and its outer rainbands were affecting the territory.