



The Government of the Hong Kong Special Administrative Region
香港天文台
HONG KONG OBSERVATORY
Innovate with Science, Serve with Heart



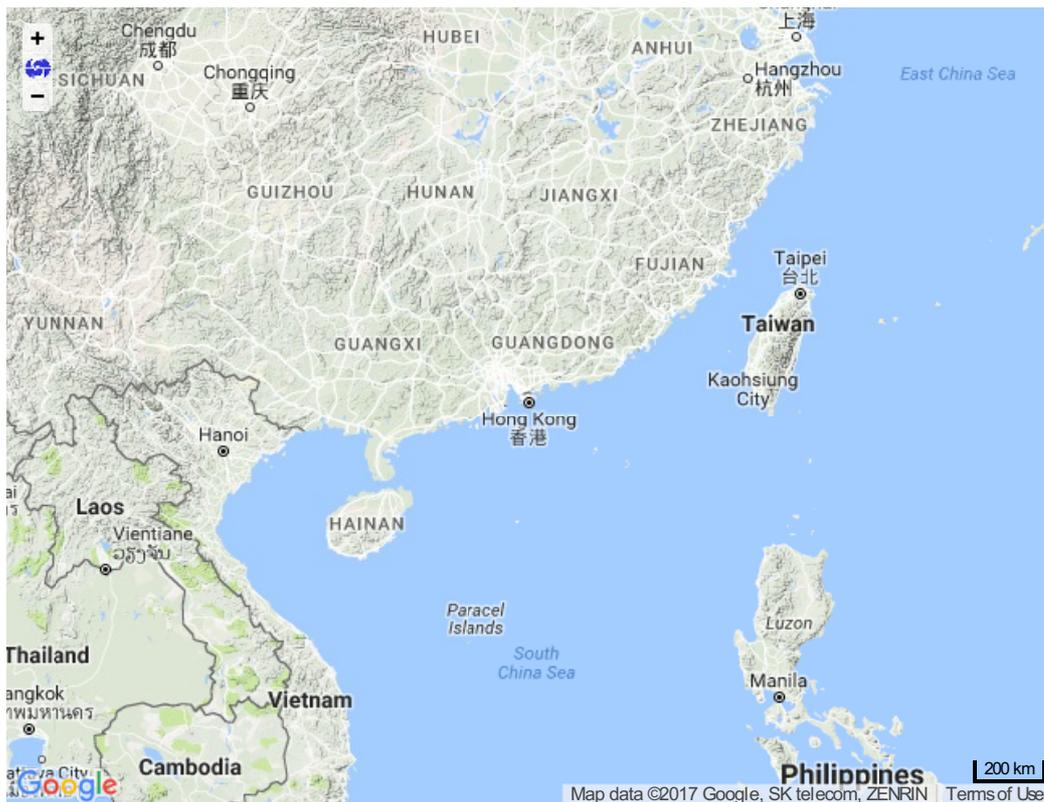
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Tropical Cyclone Track Information

When a tropical cyclone forms within or enters the area bounded by 7-36N and 100-140E, the Observatory will issue the first tropical cyclone track within two hours.



Legend

- Analysed Position
- ⊙ Forecast Position
- Past Track
- - - Forecast Track
- (The color of the symbols above will change with the classification of the tropical cyclone)
- ⊙ Low Pressure Area or Extratropical Low

Color

- ⊙ Tropical Depression
- ⊙ Tropical Storm
- ⊙ Severe Tropical Storm
- ⊙ Typhoon
- ⊙ Severe Typhoon
- ⊙ Super Typhoon

Potential Track Area (70% probability)

- ⊙ First 72 hours
- ⊙ 72-120 hours

Notes

1. Only tropical cyclones centred within the area bounded by 7-36N and 100-140E (□ show on map) will be shown on this website. According to the analysed position of the tropical cyclone and the tropical cyclone warning signal in force, the update time of this webpage and the information shown will be different. Details are listed in the table below:

Tropical cyclone	Tropical Cyclone	No Tropical Cyclone Warning Signal in force	
		Tropical cyclones	Other tropical cyclones

situation	Warning Signal No.1 or above in force	centred within the area bounded by 10N and 30N, 105E and 125E*	centred within the area bounded by 7N and 36N, 100E and 140E**
Update time [Observation time] (Hong Kong time)	Every hour [Every hour]	00:30 [23:00] 03:30 [02:00] 06:30 [05:00] 09:30 [08:00] 12:30 [11:00] 15:30 [14:00] 18:30 [17:00] 21:30 [20:00]	10:00 [08:00] 22:00 [20:00]
<ul style="list-style-type: none"> Track Analysed position Maximum sustained wind near centre Uncertainty of the track Satellite image Radar image 	✓	✓	✓
<ul style="list-style-type: none"> Distance and bearing from Hong Kong 	✓	✓	

*The tropical cyclone track, analysed positions and maximum sustained wind near centre are based on Hong Kong Observatory's [tropical cyclone warning for shipping](#).

**When the tropical cyclone is expected to enter the area bounded by 10N and 30N, 105E and 125E in about 24 hours, the Observatory will also update the tropical cyclone track at 04:00 and 16:00 Hong Kong time (corresponding to the observation time at 02:00 and 14:00 respectively).

- Detailed information of the tropical cyclone, including **latitude**, **longitude**, **classification** and **the maximum sustained wind near centre** will be shown when placing the mouse cursor over the analysed or forecast positions. The user can use the controls on the left of the map to change the area of interest and to zoom into city or even street levels. Please bear in mind the uncertainty of the tropical cyclone locations as described below in using this function.
- While the forecast positions and track indicate the most likely future path of the tropical cyclone, they may deviate from the actual path taken by the storm. By pressing the **'Potential Track Area'** button, the probable area within which the tropical cyclone will fall with a probability of 70% will be shown. Literally, it means that in 10 times of track forecast for similar situations, the tropical cyclone will be centred within the indicated area in about 7 times. The area grows as the forecast hour increases. It will be particularly larger beyond 72 hours and is indicated with lighter shadings on the map. The size in terms of radius of the 'Potential Track Area' corresponding to different forecast hours are determined from the error statistics of the forecasts issued in past years and are as shown in the following table:

Analysed position	30 km
24-hour forecast position	125 km
48-hour forecast position	225 km
72-hour forecast position	325 km
96-hour forecast position	400 km
120-hour forecast position	500 km

- Short-term erratic departure of the tropical cyclone from the general direction of movement may occur from time to time. These departures are partly due to uncertainties in locating the centre of the tropical cyclone, and partly due to actual short-term variations in the direction and speed of movement of the tropical cyclone itself.
- The infra-red satellite image closest to the time of tropical cyclone analysed position can be shown by pressing the **'Satellite Image'** button, below which is the 'Time of image' representing the time when satellite data is completely received at the ground reception system. Since it takes time to receive and process the satellite data as well as generate the image, the time of image may sometimes be different from the time of tropical cyclone analysed position.
- The Hong Kong Observatory's radar images closest to the time of tropical cyclone analysed position can be shown by pressing the **'Radar Image'** button, below which is the 'Time of image' representing the time when radar completes its scan.



For detailed information, please refer to the [Weather Radar Image](#) website.

7. The background geographical information in this page comes from Google Maps and the usage is subject to [Google's Terms of Use](#). The downloading speed depends on the responsiveness of its servers and sometimes it may take a longer time to complete the download. In that case, users may consider using the [fixed-area map version](#) to view the tropical cyclone track directly.
8. When the usage of the Google Maps in this webpage exceeds the limit set by Google or when Google Maps is not available for use, the OpenStreetMap will be used as the source of the background geographical information. Its usage is subject to [OpenStreetMap's License Terms](#).
9. The satellite images were originally captured by the Himawari-8 (H8) satellite of Japan Meteorological Agency (JMA). Anyone wishing to further disseminate these satellite images should seek permission from JMA. (Address: Japan Meteorological Agency, 1-3-4 Ote-machi, Chiyoda-ku, Tokyo 100-8122, Japan).

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