

# GC Briefing

September 14, 2018

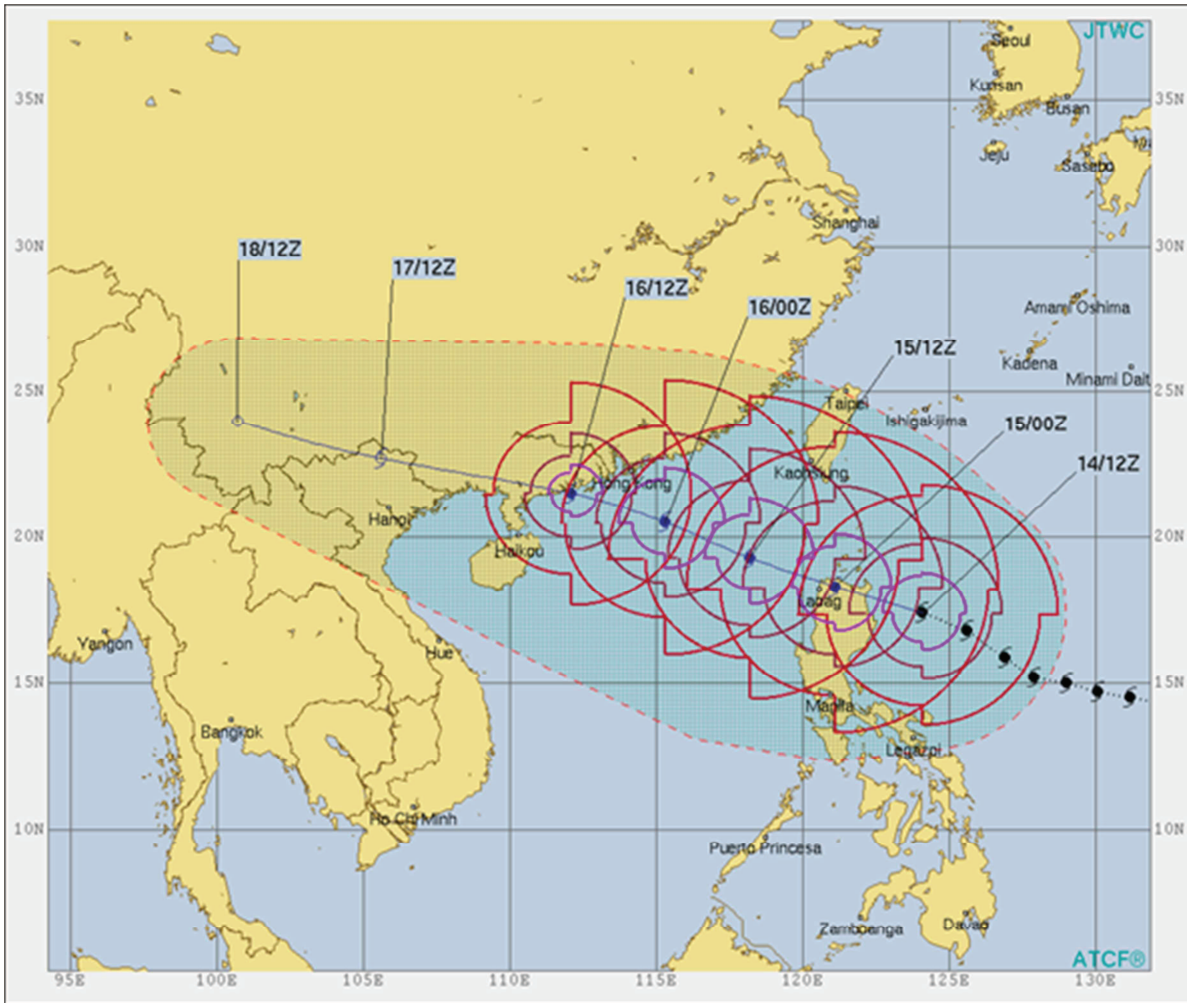
## Weather Sentinel Super Typhoon Mangkhut

In the Northwest Pacific Basin, Super Typhoon Mangkhut now carries one-minute sustained winds of around 270 km/hr (165 mph), a powerful category five on the Saffir-Simpson Scale. According to the Joint Typhoon Warning Center (JTWC), the storm will approach the Northern Philippines in the coming hours as an extremely dangerous super typhoon, and then approach the area between Hong Kong and the Leizhou Peninsula around 12 UTC September 16.

### Discussion

- Super Typhoon Mangkhut carries 1-minute sustained winds of around 270 km/hr (165 mph), according to the JTWC at 12 UTC September 14. Mangkhut remains a very powerful category-five on the Saffir-Simpson Scale. A central pressure of 905 hPa (mb) was recently reported by the Japan Meteorological Agency (JMA).
- The storm is located about 454 km (282 miles) northeast of Manila, Philippines according to the JTWC, and is moving west-northwest at around 30 km/hr (18 mph). As the storm follows the southern edge of a subtropical ridge to the north, the JTWC is forecasting Mangkhut to continue on a general track to the west-northwest or northwest through the weekend. On this track, the storm should approach the northeast coast of Luzon in the Northern Philippines around 18 UTC on the 14<sup>th</sup>. After clearing the Northern Philippines the storm should then pass over the South China Sea and then approach the region between Hong Kong and the Leizhou Peninsula around 12 UTC on the 16<sup>th</sup>.
- The JTWC is forecasting some weakening as the storm interacts with the topography of the Northern Philippines. After clearing the area, some reintensification is possible prior to landfall on the continent. Accounting for these factors, the JTWC is forecasting 1-minute sustained winds of around 215 km/hr (130 mph) at 00 UTC September 15 just before clearing Luzon, and then 215 km/hr (130 mph) near the time of landfall on the continent at 12 UTC September 16.
- Mangkhut is an extremely dangerous storm capable of rendering very severe to complete wind damage along and to the right of the core. Low-grade wind impacts will also be possible well away from the core of the storm. Heavy rainfall to bring possible flooding and flash-flooding are also possible for areas under threat. A storm surge will also bring the threat of coastal flooding, especially for areas along and to the right of the track of the storm. Widespread damage can be expected, with greater severity along and to the right of the storm track where extensive infrastructure damage may also occur. Official agencies maintain statements for areas under threat.

Local watches and warnings from official meteorological agencies, and statements from local emergency management agencies supersede this update, and should be closely heeded concerning matters of personal safety.



**Position and Best Forecast (12 UTC September 14)**

SOURCE: JTWC

<http://www.metoc.navy.mil/jtwc/products/wp2618.gif>

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