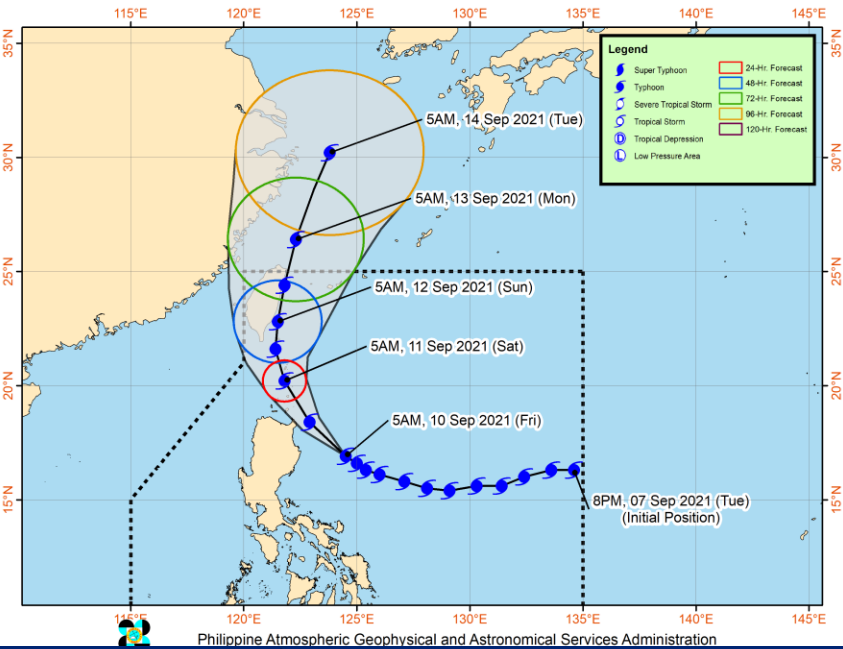
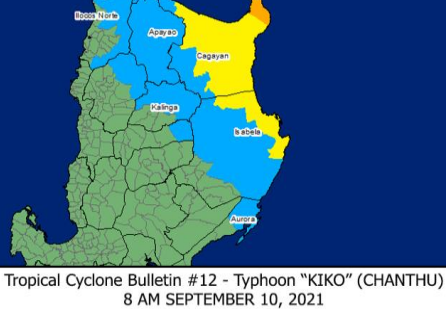


Track of Typhoon "KIKO" {CHANTHU}



TROPICAL CYCLONE WIND SIGNAL



PHILIPPINES

- OVERVIEW: TYPHOON (TY) CHANTHU (Kiko)** slightly intensifies as it threatens extreme North Luzon; The centre of the eye of **TY CHANTHU** was located based on all available data, at 220 km Northeast of Casiguran, Aurora or 220 km East of Tuguegarao City, Cagayan (17.4°N, 123.8°E) ([PAGASA](#)).
- INTENSITY:** Maximum sustained winds of 195 km/h near the center, gustiness of up to 240 km/h, and central pressure of 930 hPa; Strong winds or higher extend outwards up to 230 km from the centre.
- MOVEMENT:** West Northwestward at 20 km/h
- Tropical Cyclone Wind Signal (TCWS) in effect:** at most TCWS no.3 - Destructive typhoon-force winds prevailing or expected within 18 hours (refer to map for TCWS issuance)
- HAZARDS:** heavy to intense and at times torrential rains, scattered to widespread flooding and rain-induced landslides in susceptible areas as identified in hazard maps; Destructive typhoon-force winds ([PAGASA](#)).
- OUTLOOK ([PAGASA](#)):**
 - TY CHANTHU** is forecast to move generally northwestward or north northwestward towards the Babuyan Islands-Batanes area. On the forecast track, the typhoon is forecast to pass over the coastal waters of northeastern Cagayan between this afternoon and evening. Afterwards, the typhoon may cross the vicinity of Babuyan Islands and Batanes or pass within their coastal waters tonight through tomorrow afternoon or evening.
 - The possibility of landfall over the northeastern portion of Cagayan is not yet ruled out.
 - After passing in the vicinity of Extreme Northern Luzon, **TY CHANTHU** is forecast to move northward for the remainder of tomorrow through Sunday afternoon and may make landfall in the vicinity of eastern Taiwan or pass within its coastal waters. The typhoon is forecast to exit the Philippine Area of Responsibility on Sunday afternoon or evening. Outside the PAR, the typhoon will turn generally north northeastward over the East China Sea.
 - TY CHANTHU** is forecast to slightly intensify up to 205 km/h in the next 12 hours. After passing the coastal waters of northeastern Cagayan, the typhoon will slightly weaken while moving over Extreme Northern Luzon. Further weakening will begin on Sunday as the typhoon begins to interact with the rugged terrain of Taiwan but will remain within typhoon category throughout the forecast period.

FRIDAY
10 SEP 2021
1300 HRS UTC +7

TROPICAL CYCLONE CHANTHU (KIKO) PHILIPPINES FLASH UPDATE #1

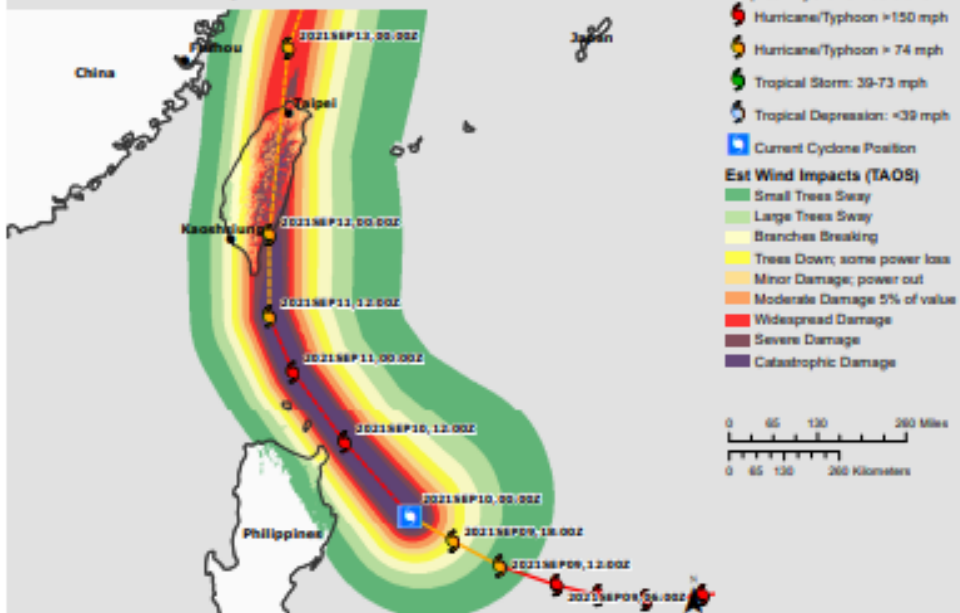


Super Typhoon Chanthu - Estimated Impacts Warning 16, 10 September 2021 0300 UTC

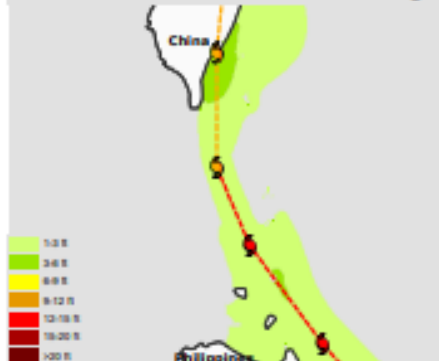


JTWC Summary: SUPER TYPHOON 19W (CHANTHU), LOCATED APPROXIMATELY 116 NM SOUTHEAST OF APARRI, PHILIPPINES, HAS TRACKED WEST-NORTHWESTWARD AT 10 KNOTS OVER THE PAST 583 HOURS. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 100000Z IS 48 FEET. NEXT WARNINGS AT 100900Z, 101500Z, 102100Z AND 110300Z.

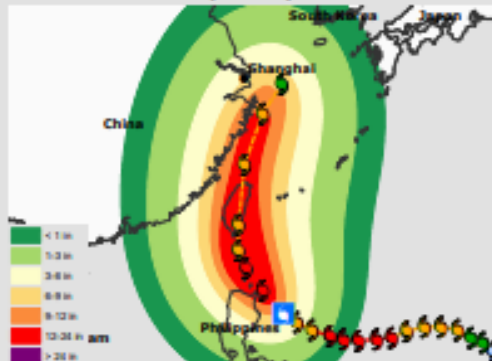
Estimated Wind Impacts



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



KEY FIGURES

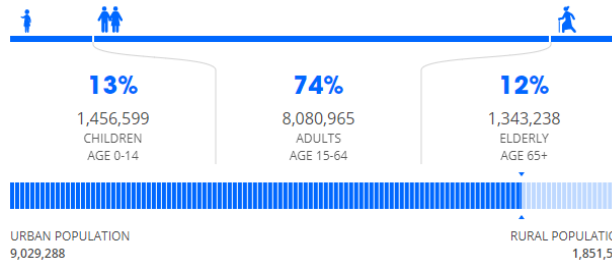
Disclosure(s): Key figures detailed are exposure to **LIMITED SEVERITY** as indicated in PDC Global's Hazard Brief. Estimations are based on data reported/confirmed by National Disaster Management Organisations of the respective ASEAN Member State and other verified sources

10.8 Million

ESTIMATED POPULATION EXPOSED



DEMOGRAPHIC BREAKDOWN



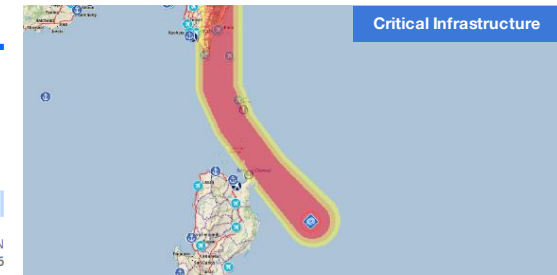
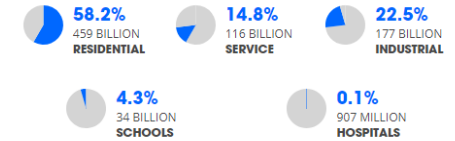
3.5 Million

ESTIMATED HOUSEHOLDS EXPOSED

1
COUNTRIES POTENTIALLY AFFECTED

\$789 Billion

ESTIMATED REPLACEMENT VALUE OF BUILDINGS AND INFRASTRUCTURE



- **POTENTIAL IMPACTS:**
 - At most winds strong enough to cause catastrophic damage is possible (Batanes, Philippines)
 - At most 0.03 to 0.08 m of Storm surge is possible in the coasts of Cagayan and Batanes
 - At most 304.8 to 609.6 mm of tropical cyclone associated rainfall is possible in Batanes and Northern Cagayan of the Philippines
- **EXPOSURE:** an estimated **9.26 Million people**, **2.98 Million households**, and **\$681 Billion (USD)** of infrastructure are potentially exposed to **MODERATE TO SEVERE** damaging winds (with damage expected closer to the shores). All shorelines in the path of the storm are exposed to potential storm surge, and inland areas within the proximity of the storm are exposed to potential flooding.
- The AHA Centre will continue to monitor and issue necessary updates when more information from official sources becomes available.