



TROPICAL CYCLONE PRELIMINARY REPORT

Typhoon Chedeng (Guchol)

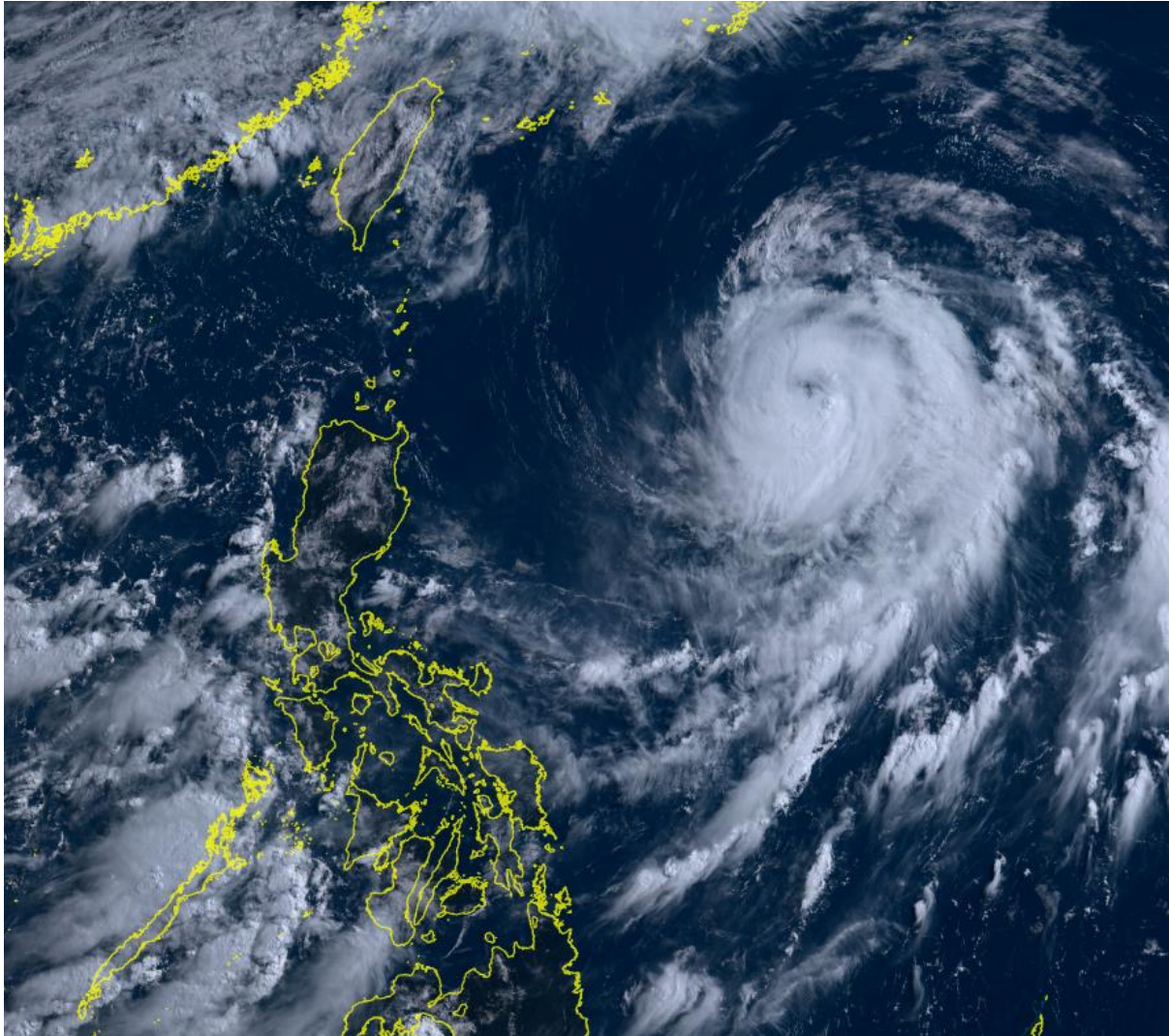


Fig. 1. Himawari-9 AHI visible image of Typhoon Chedeng at 00 UTC on 10 June 2023. Imagery courtesy of National Institute of Information and Communications Technology (NICT), Japan.

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Disclaimer: The information herein is based on publicly-issued bulletins, advisories, and warnings and the result of the near-real time (initial) best track analysis. As such, the information provided herein are considered preliminary only and will be replaced by the information that will become available once the Annual Report on Philippine Tropical Cyclones (2023 Edition) is published.

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Summary of Meteorological History

Based on PAGASA preliminary best track position and intensities

First tracked as a disturbance	0000 UTC, 03 June 2023 Over the sea near Yap, Federated States of Micronesia
Developed into a tropical cyclone	0000 UTC, 06 June 2023 Over the Philippine Sea far east of southeastern Luzon
Transitioned into a post-tropical low	1800 UTC, 12 June 2023 Over the sea south of Honshu, Japan.
Peak intensity (lifetime ¹)	80 kt (150 km/h), 955 hPa, Typhoon 1800 UTC, 09 June 2023
Period of occurrence (lifetime)	6 days and 18 hours
Entered the PAR region	Not applicable
Exited the PAR region	1100 UTC, 11 June 2023
Peak intensity (within the PAR)	80 kt (150 km/h), 955 hPa, Typhoon 1800 UTC, 09 June 2023
Period of occurrence (within the PAR)	5 days and 11 hours
Observed landfalls in the Philippines	None
Significant hydrometeorological hazard observed over the country	Monsoon total rainfall > 100 mm over Zambales, Bataan, the northern portion of Metro Manila, the western portions of Pangasinan, Bulacan, and Rizal, and some areas of La Union, Benguet, and Pampanga (i.e., coastal).

Extremes of Surface Weather Observations during Tropical Cyclone Days²

Based on reports from PAGASA manned surface weather stations

Highest storm duration (06 to 11 June 2023) rainfall over land:

- South Harbor, City of Manila: 262.1 mm
- Science Garden, Quezon City: 220.8 mm
- Subic Bay International Airport, Morong, Bataan: 196.7 mm

Highest 24-hour rainfall over land:

- Subic Bay International Airport, Morong, Bataan: 107.0 mm, 11 June 2023
- Tagum City, Davao del Norte: 101.9 mm, 06 June 2023
- South Harbor, City of Manila: 87.2 mm, 11 June 2023

¹ Lifetime is the period from the development into a tropical depression to its weakening into a remnant low or its transitioning into a post-tropical low.

² Also called "storm duration", it refers to the meteorological days of occurrence of the tropical cyclone within the PAR region.

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Summary of Tropical Cyclone Product Issuances

Public and Marine Tropical Cyclone Products:

- Tropical Cyclone Updates:
 - First issuance: 4:00 PM, 06 June 2023
 - Last issuance: 4:00 AM, 12 June 2023
 - Total issued: 12
- Tropical Cyclone Advisories: None
- Tropical Cyclone Bulletins:
 - First issuance: 11:00 AM, 06 June 2023
 - Last issuance: 11:00 PM, 11 June 2023
 - Total issued: 23
- Tropical Cyclone Warnings for Shipping:
 - First issuance: 11:00 AM, 06 June 2023
 - Last issuance: 11:00 PM, 11 June 2023
 - Total issued: 23

Tropical Cyclone Wind Signals: None hoisted

Other Pertinent Information

- The Southwest Monsoon was enhanced during the occurrence of TY Chedeng, resulting in heavy rains over the western portions of Luzon.
- The National Disaster Risk Reduction and Management council did not release any Situational Report for Chedeng.
- The international name “Guchol” (meaning: turmeric) was contributed by the Federated States of Micronesia.

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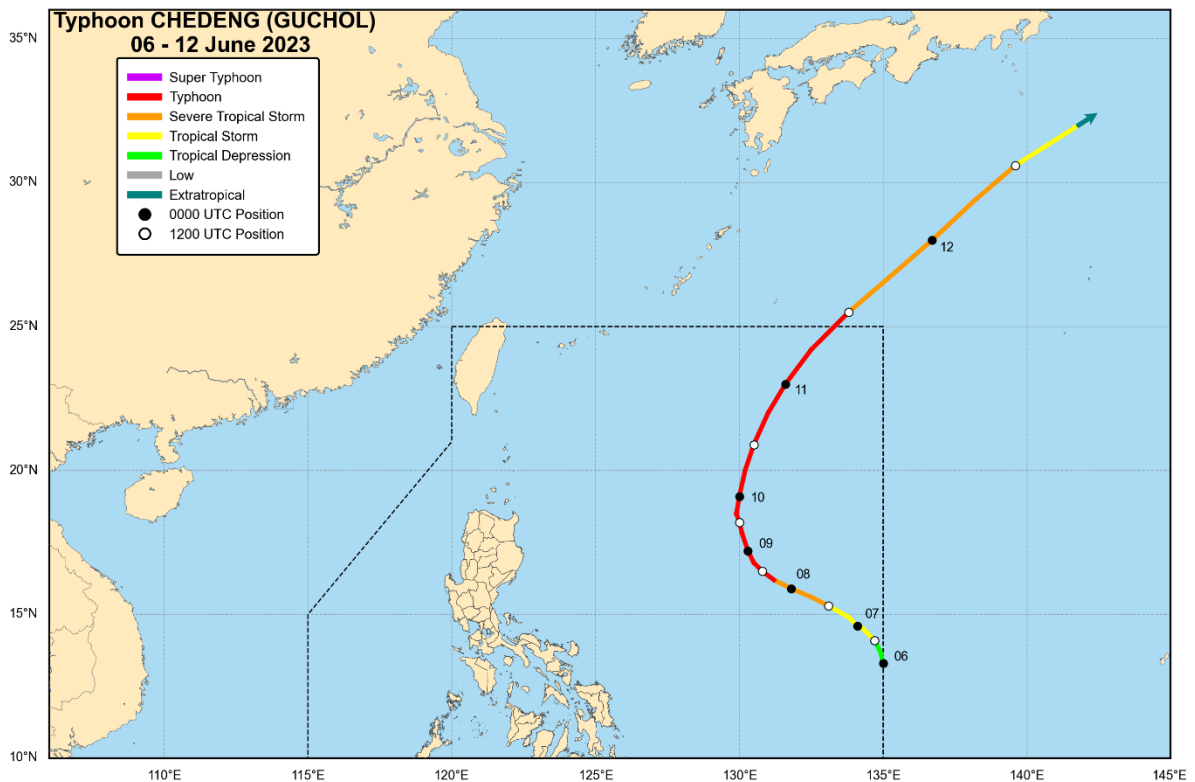


Fig. 2. Preliminary best track positions and intensities (as categories) of Typhoon Chedeng. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

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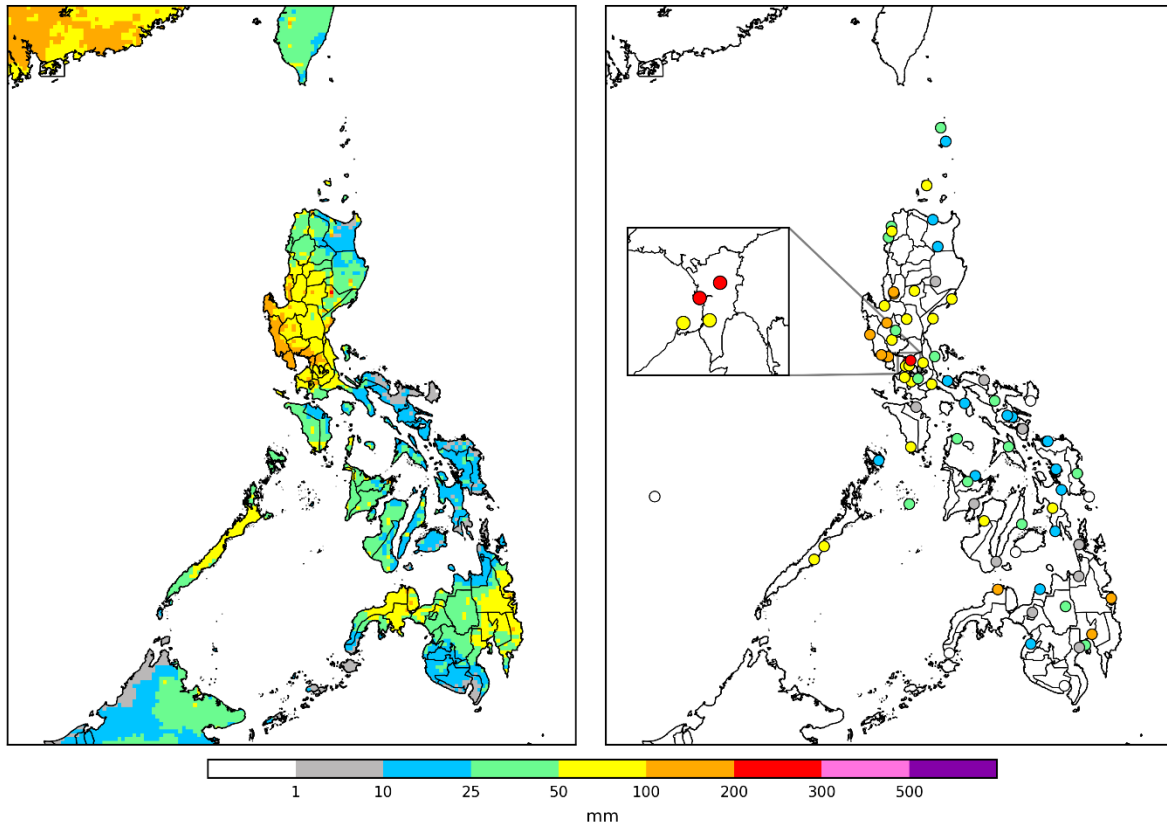


Fig. 3. Nationwide satellite-derived estimates and corresponding gauge observations from PAGASA manned surface weather stations of accumulated rainfall for the period of 06 to 11 June 2023. The preliminary best track of the tropical cyclone is outside the geographic extent of this figure.

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