



TROPICAL CYCLONE PRELIMINARY REPORT

Tropical Depression Amang

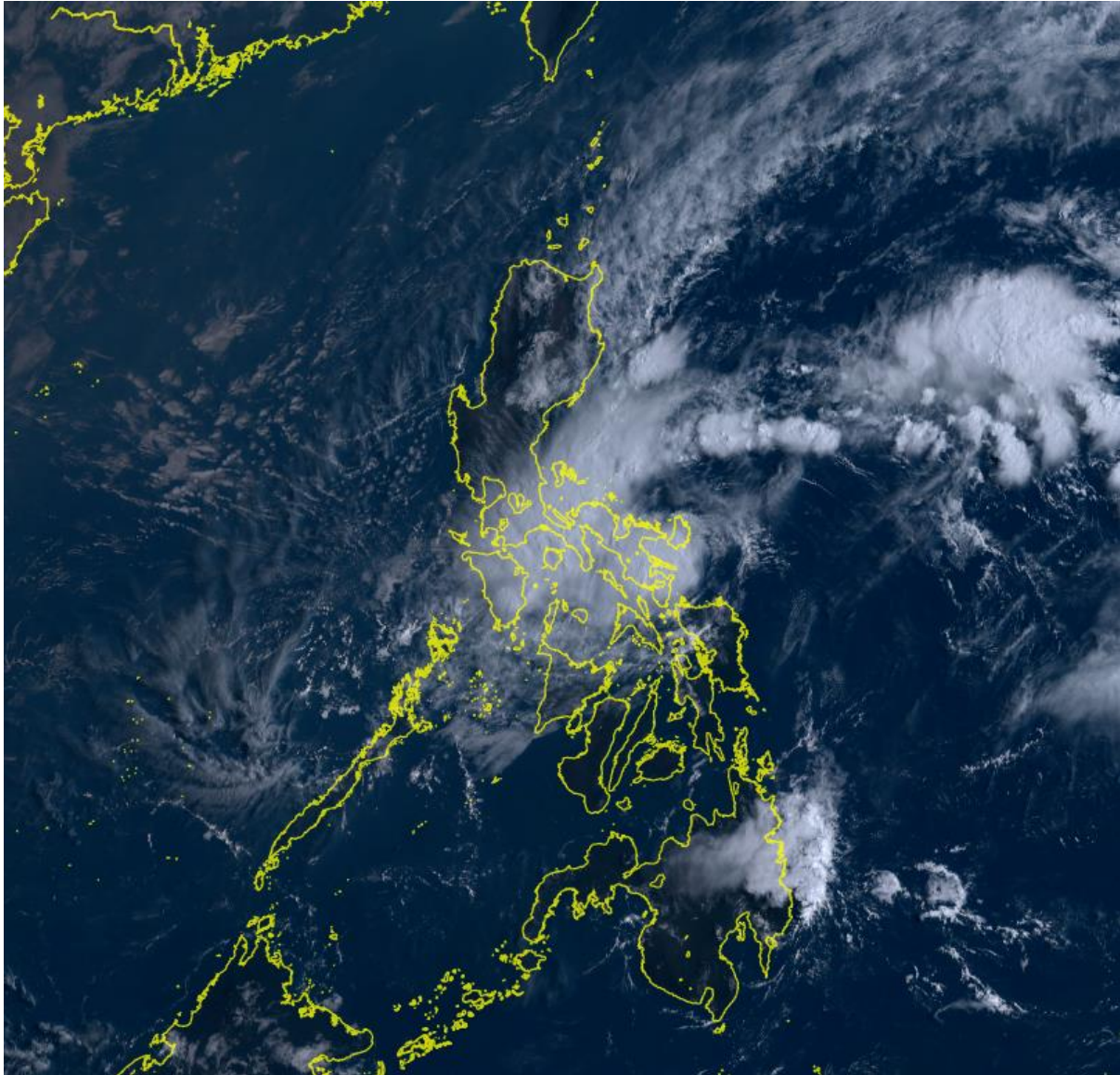


Fig. 1. Himawari-9 AHI visible image of Tropical Depression Amang at 00 UTC on 12 April 2023. Imagery courtesy of National Institute of Information and Communications Technology (NICT), Japan.

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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.

"The Weather and Climate Authority"



Summary of Meteorological History

Based on PAGASA preliminary best track position and intensities

First tracked as a disturbance	1200 UTC, 07 April 2023 Over the sea south of Yap, Federated States of Micronesia
Developed into a tropical cyclone	1200 UTC, 10 April 2023 Over the Philippine Sea east of Eastern Samar
Weakened into a remnant low	0000 UTC, 13 April 2023 Over the coastal waters of Polillo, Quezon
Peak intensity (lifetime ¹)	30 kt (55 km/h), 1004 hPa, Tropical Depression 1800 UTC, 10 April 2023
Period of occurrence (lifetime)	2 days and 12 hours
Entered the PAR region	Not applicable
Exited the PAR region	Not applicable
Peak intensity (within the PAR)	30 kt (55 km/h), 1004 hPa, Tropical Depression 1800 UTC, 10 April 2023
Period of occurrence (within the PAR)	2 days and 12 hours
Observed landfalls in the Philippines	Presentacion, Camarines Sur: 0610 UTC, 12 April 2023
Significant hydrometeorological hazards observed over the country	Total rainfall > 100 mm over Albay and most of Catanduanes and Camarines Sur

Extremes of Surface Weather Observations during Tropical Cyclone Days²

Based on reports from PAGASA manned surface weather stations

Highest storm duration (10 to 12 April 2023) rainfall over land:

- Pili, Camarines Sur: 336.6 mm
- Legazpi City, Albay: 156.2 mm
- Virac, Catanduanes: 129.6 mm

Highest 24-hour rainfall over land:

- Pili, Camarines Sur: 212.6 mm, 12 April 2023
- Legazpi City, Albay: 140.0 mm, 11 April 2023
- PCA Bago-Oshiro, Davao City: 102.3 mm, 12 April 2023

Lowest sea level pressure over land:

- Virac, Catanduanes: 1003.6 hPa, 2300 UTC, 11 April 2023
- Legazpi City, Albay: 1004.1 hPa, 0600 UTC, 12 April 2023
- Daet, Camarines Norte: 1004.1 hPa, 0600 UTC, 12 April 2023
- Guiuan, Eastern Samar: 1004.1 hPa, 0700 UTC, 12 April 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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- Juban, Sorsogon, 1004.7 hPa, 1900 UTC, 11 April 2023
- Catarman, Northern Samar: 1004.7 hPa, 2000 UTC, 11 April 2023

Highest peak gust over land:

- Legazpi City, Albay: N (360°) at 25.3 kt (13 m/s), 0338 UTC, 12 April 2023
- Juban, Sorsogon: WNW (290°) at 19.4 kt (10 m/s), 0402 UTC, 12 April 2023
- Daet, Camarines Norte: N (360°) at 19.4 kt (10 m/s), 0500 UTC, 12 April 2023
- Guiuan, Eastern Samar: N (360°) at 19.4 kt (10 m/s), 0700 UTC, 11 April 2023
- Virac, Catanduanes: E (80°) at 15.6 kt (8 m/s), 0000 UTC, 12 April 2023

Summary of Tropical Cyclone Product Issuances

Public and Marine Tropical Cyclone Products:

- Tropical Cyclone Updates:
 - First issuance: 4:00 AM, 11 April 2023
 - Last issuance: 4:00 AM, 13 April 2023
 - Total issued: 5
- Tropical Cyclone Advisories: None
- Tropical Cyclone Bulletins:
 - First issuance: 5:00 AM, 11 April 2023
 - Last issuance: 11:00 AM, 13 April 2023
 - Total issued: 16
- Tropical Cyclone Warnings for Shipping:
 - First issuance: 5:00 AM, 11 April 2023
 - Last issuance: 11:00 AM, 13 April 2023
 - Total issued: 10

Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: TCWS #1
- Number of localities where wind signals had been hoisted: 23
- Timeline of hoisting/lifting of wind signals:
 - 5:00 AM, 11 April 2023: Initial hoisting of TCWS #1
 - 11:00 AM, 13 April 2023: Final lifting of TCWS #1

Other Pertinent Information

Per NDRRMC Situational Report No. 5 dated 16 April 2023, the passage of AMANG did not result in casualties. However, agricultural damage amounting to PHP 12,341,646.77 were reported in affected areas of CALABARZON and Bicol Region. No damage to public infrastructure, houses, or other assets were reported.

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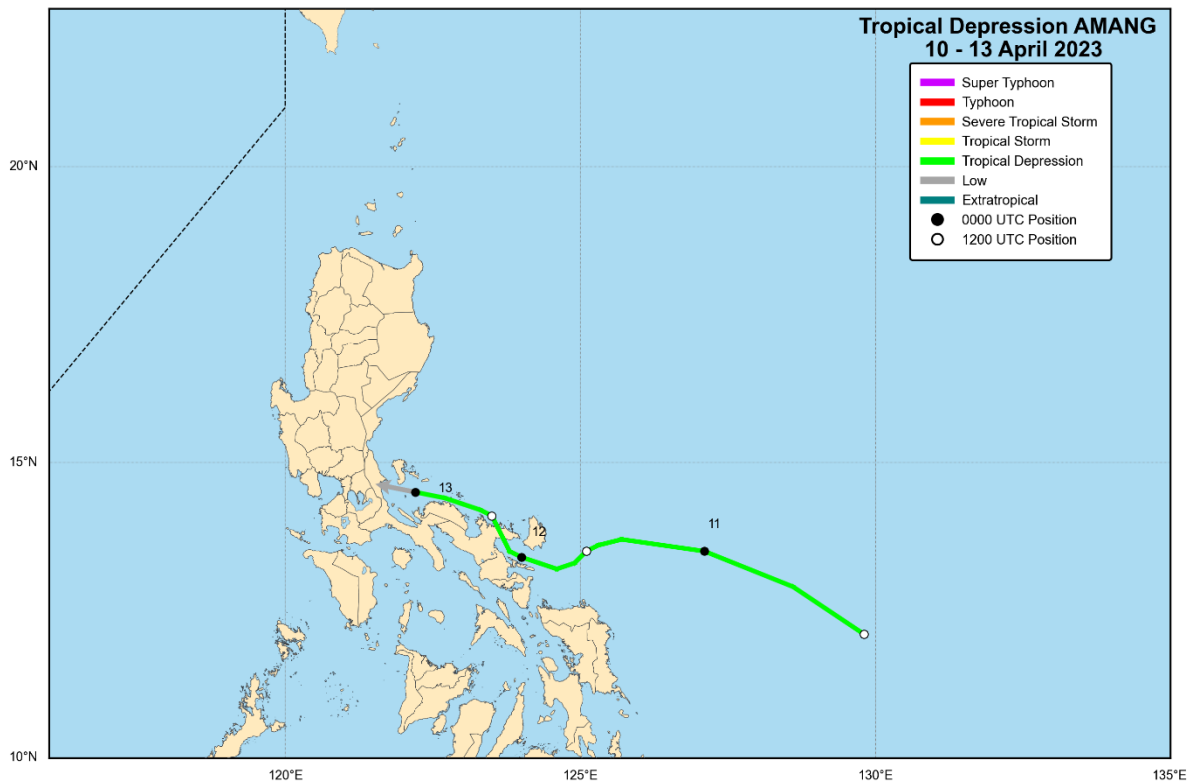


Fig. 2. Preliminary best track positions and intensities (as categories) of Tropical Depression Amang. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

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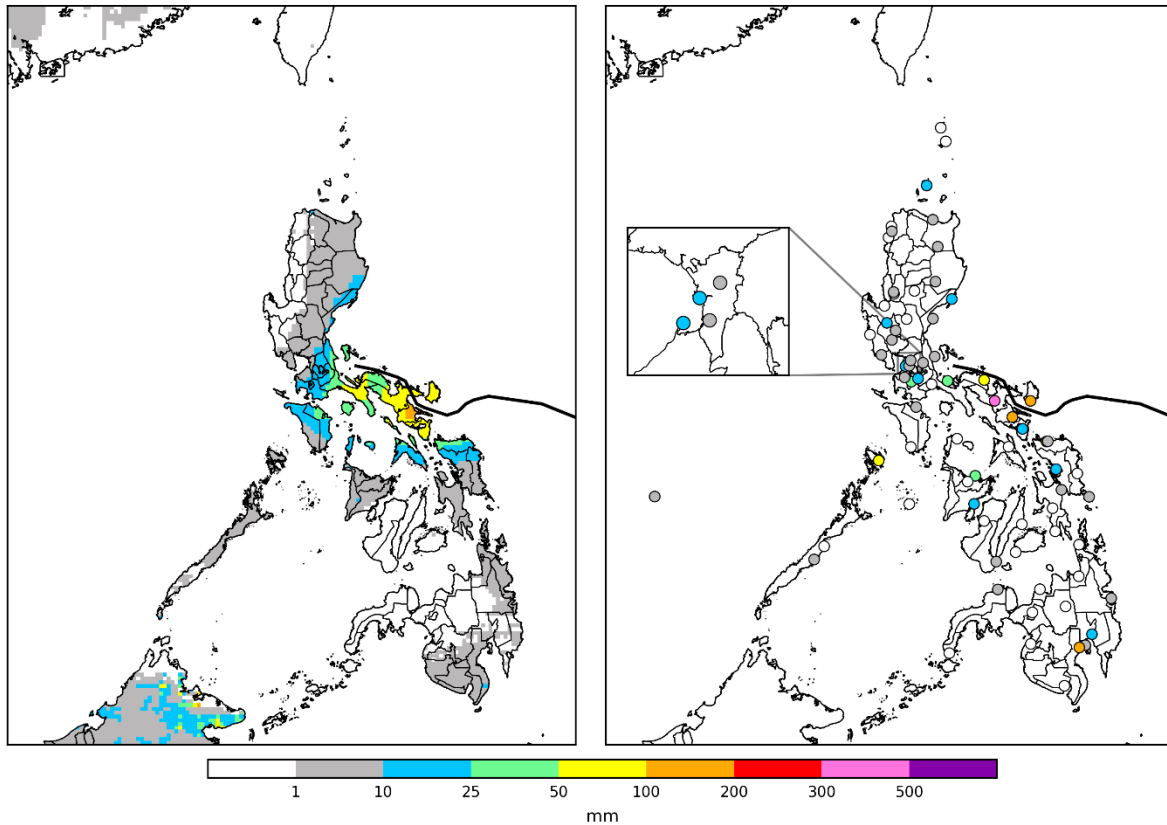


Fig. 3. Nationwide satellite-derived estimates and corresponding gauge observations from PAGASA manned surface weather stations of accumulated rainfall for the period of 10 to 12 April 2023. The preliminary best track of the tropical cyclone is shown as thick black line.

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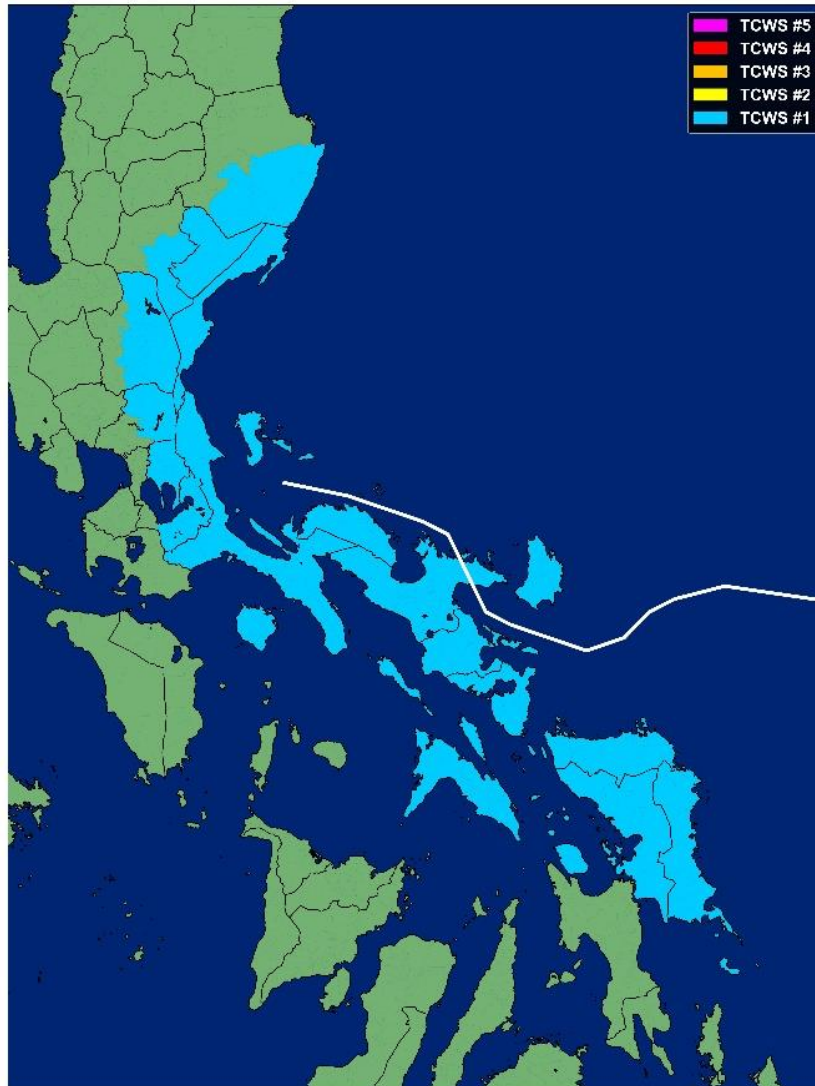


Fig. 4. Highest level and maximum extent of hoisted wind signals during the occurrence of Tropical Depression Amang. The preliminary best track of the tropical cyclone is shown as thick white line.

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