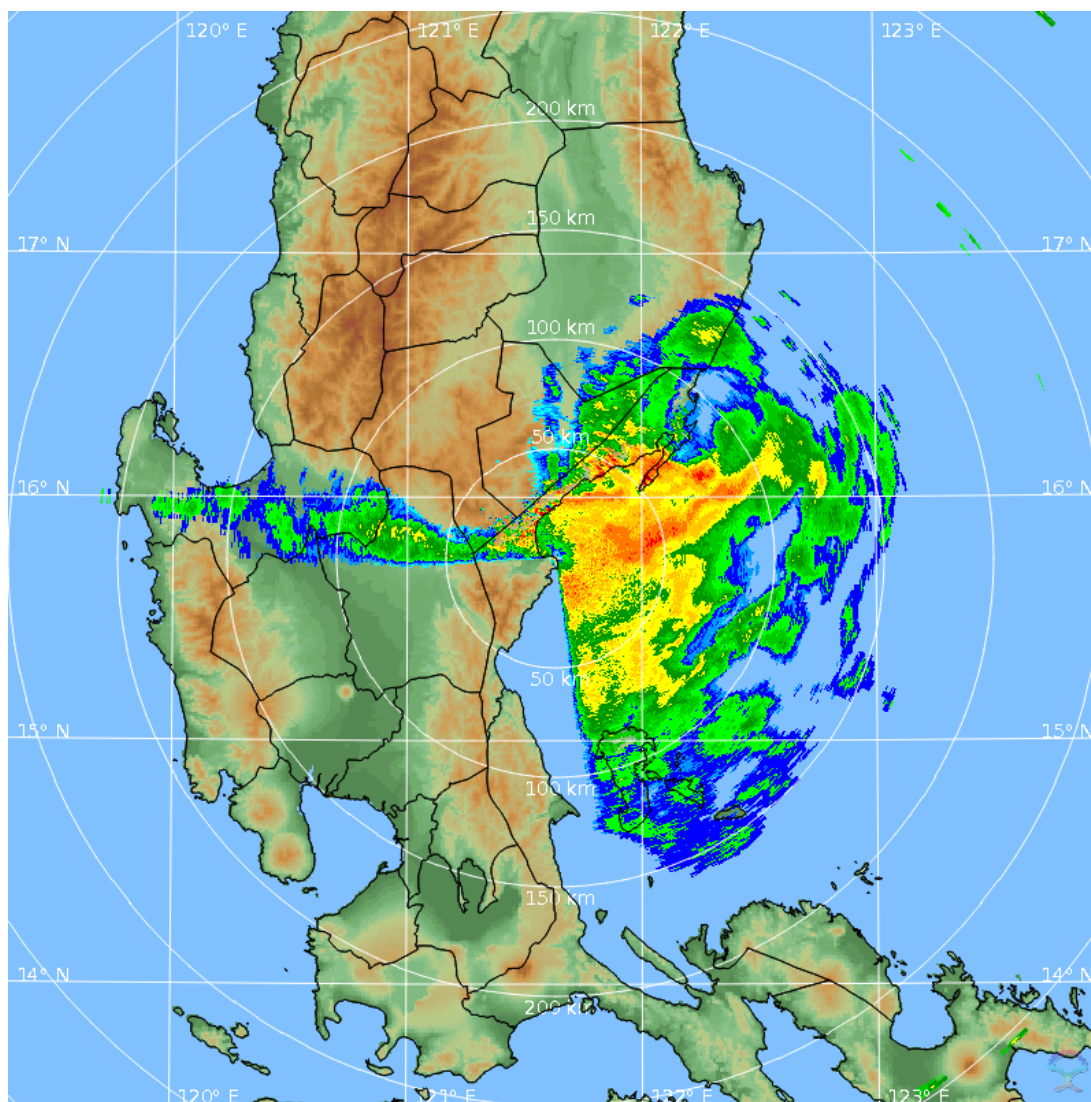




## TROPICAL CYCLONE PRELIMINARY REPORT

**Super Typhoon ENTENG**  
YAGI (2411)

01 to 08 September 2024



**Fig. 1.** Weather radar image of then-Severe Tropical Storm ENTENG at 0600 UTC on 02 September 2024 while making landfall over Casiguran, Aurora. Image from the PAGASA Baler Doppler Weather Surveillance Radar.

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## Summary of Meteorological History

Based on PAGASA preliminary best track<sup>1</sup> position and intensities

First tracked as a low pressure area	1800 UTC 29 August 2024 Over the Western North Pacific waters near Yap, Federated States of Micronesia
Developed into a tropical cyclone	0000 UTC, 01 September 2024 Over the Philippine Sea E of Eastern Samar 100 km NE of Borongan City, Eastern Samar (12.2°N, 126.2°E)
Weakened into a remnant low or transitioned into a post-tropical low	1800 UTC, 08 September 2024 In the vicinity of Phongsaly Province, Laos 2,010 km W of Extreme Northern Luzon (21.7°N, 102.5°E)
Peak intensity (lifetime <sup>2</sup> )	105 kt (195 km/h), 915 hPa, Super Typhoon 0000 UTC, 05 September 2024 1800 UTC, 05 September 2024
Period of occurrence (lifetime)	7 days and 18 hours
Entered the PAR region (as tropical cyclone)	Not applicable (developed within the PAR region)
Exited the PAR region (as tropical cyclone)	2000 UTC, 03 September 2024
Peak intensity (within the PAR)	60 kt (110 km/h), 975 hPa, Severe Tropical Storm 1800 UTC, 03 September 2024
Period of occurrence (within the PAR)	2 days and 20 hours
Observed landfalls in the Philippines	Casiguran, Aurora: 0600 UTC, 02 September 2024

<sup>1</sup> With preliminary best track as reference, the information provided in this report may be different from those reported during the warning period of the subject tropical cyclone.

<sup>2</sup> 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.

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## Extremes of Surface Weather Observations during Tropical Cyclone Days<sup>3</sup>

Based on reports from PAGASA manned surface weather stations

**Table 1.** Highest storm duration (01 to 03 September 2024) rainfall over land.

Location of weather station	Rainfall (mm)
Iba, Zambales	416.3
Tanay, Rizal	382.3
Muñoz City, Nueva Ecija	283.2
Daet, Camarines Norte	266.0
Infanta, Quezon	264.0

**Table 2.** Highest 24-hour rainfall over land.

Location of weather station	Rainfall (mm)	Date
Daet, Camarines Norte	258.9	01 September 2024
Iba, Zambales	256.6	02 September 2024
Muñoz City, Nueva Ecija	217.8	02 September 2024
Infanta, Quezon	216.0	01 September 2024
Alabat, Quezon	210.5	01 September 2024

**Table 3.** Lowest mean sea level pressure over land.

Location of weather station	Minimum MSLP (hPa)	Date (MM/DD) and Time (UTC)
Casiguran, Aurora	993.6	09/02 0600
Daet, Camarines Norte	996.4	09/01 1800
Echague, Isabela	997.4	09/02 0800
Bayombong, Nueva Vizcaya	998.9	09/02 0800
Baler, Aurora	999.8	09/02 0530

**Table 4.** Highest peak gust over land.

Location of weather station	Peak gust speed (m/s)	Peak gust direction	Date (MM/DD) and Time (UTC)
Casiguran, Aurora	22	NNE (20°)	09/02 0530
	22	SW (220°)	09/02 0647
Baler, Aurora	19	W (270°)	09/02 0450
Ninoy Aquino International Airport, Paranaque City	18	WSW (250°)	09/02 0056
Virac, Catanduanes	18	SSW (200°)	09/01 1500 rep.
Mulanay, Quezon	15	SW (220°)	09/01 1832
Echague, Isabela	15	-	09/02 0900 rep.
Tuguegarao City, Cagayan	14	S (180°)	09/02 1414
Science Garden, Quezon City	14	SSW (200°)	09/02 0037
Guiuan, Eastern Samar	14	-	09/01 0400 rep.

### Notes:

- Over land extremes for MSLP and peak gust only covered areas with hoisted Wind Signals to ensure that the extremes are more likely associated with the tropical cyclone itself. There may be lower MSLP and higher peak gust outside these coverage areas.
- For peak gust data retrieved using hourly synoptic observation reports, “rep.” indicates the time when the observation was reported in the message, but not necessarily its time of occurrence.

<sup>3</sup> Also called “storm duration”, it refers to the meteorological days of occurrence of the tropical cyclone within the PAR region.

## Summary of Tropical Cyclone Product Issuances

Issued by the Weather Division, DOST-PAGASA

### Tropical Cyclone Products:

- Tropical Cyclone Advisories: None issued
- Tropical Cyclone Bulletins:
  - First issuance: 11:00 AM, 01 September 2024
  - Last issuance: 5:00 AM, 04 September 2024
  - Total issued: 20
- Tropical Cyclone Warnings for Shipping:
  - First issuance: 11:00 AM, 01 September 2024
  - Last issuance: 5:00 AM, 04 September 2024
  - Total issued: 12
- WC SIGMET
  - First issuance: 10:45 PM, 01 September 2024
  - Last issuance: 7:24 AM, 05 September 2024
  - Total issued: 16

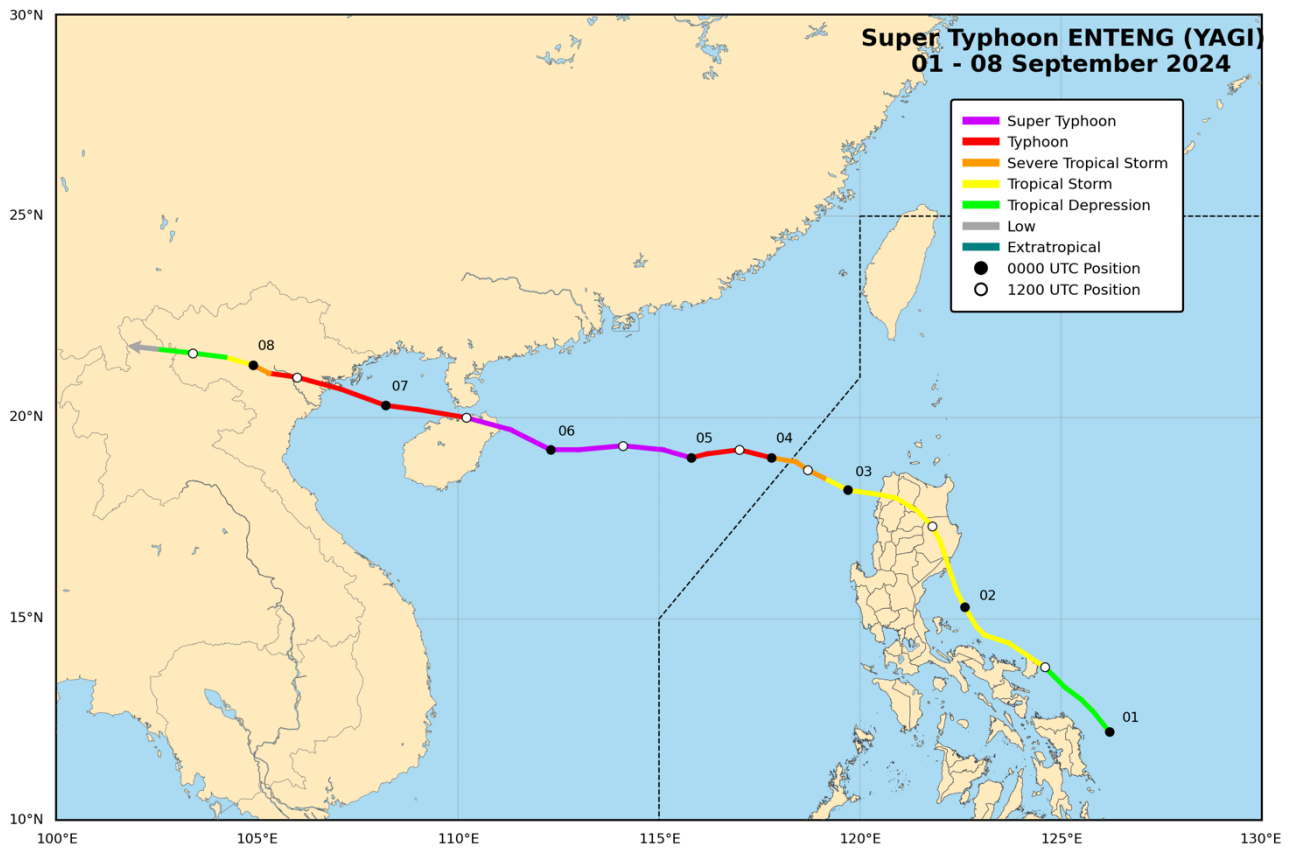
### Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: Wind Signal No. 2
- Number of provinces where wind signals had been hoisted: 36
- Timeline of hoisting/lifting of wind signals:
  - 11:00 AM, 01 September 2024: Initial hoisting of Wind Signal No. 1
  - 11:00 PM, 01 September 2024: Initial hoisting of Wind Signal No. 2
  - 5:00 PM, 03 September 2024: Lifting of all hoisted Wind Signal No. 2
  - 5:00 AM, 04 September 2024: Lifting of all hoisted Wind Signals

### Other Pertinent Information

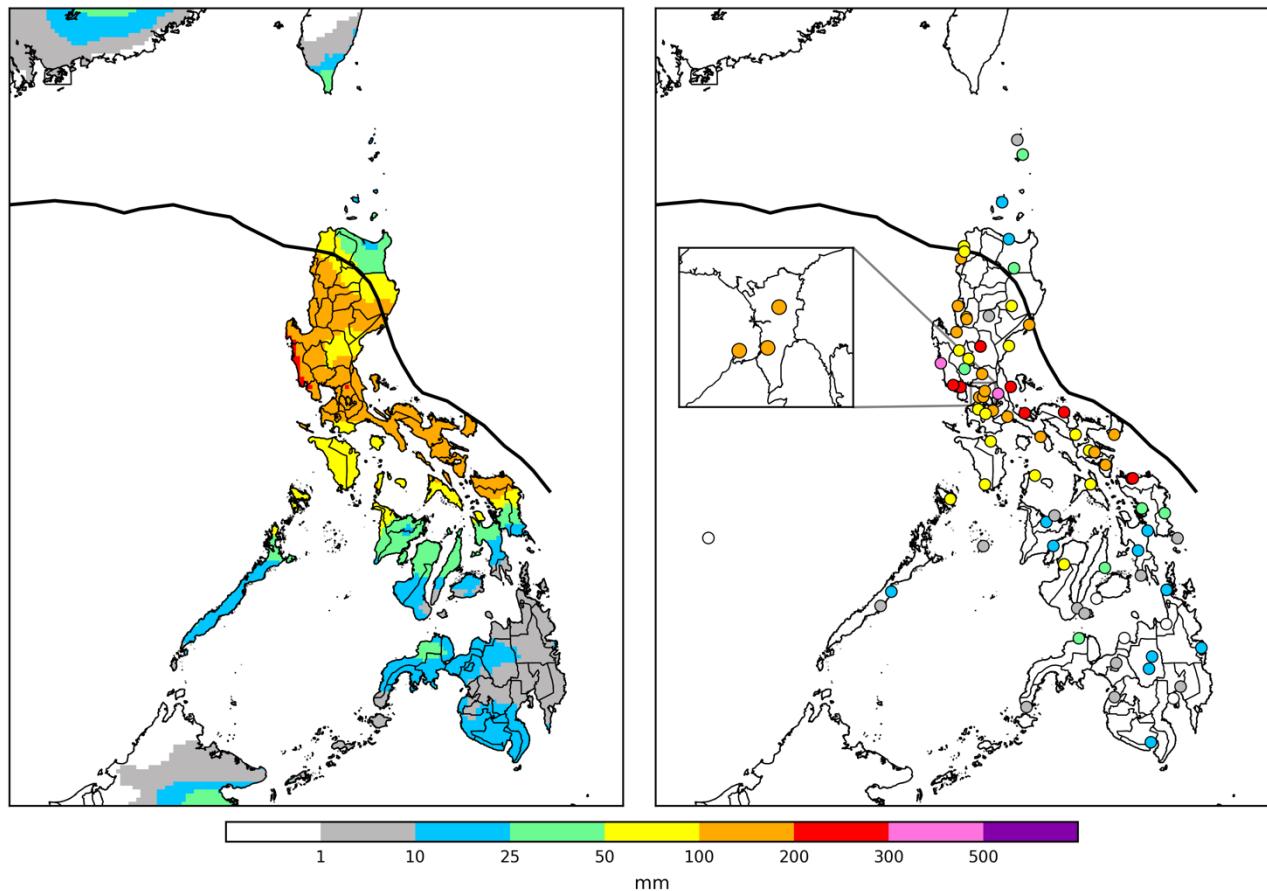
- The National Disaster Risk Reduction and Management Council (NDRRMC) reported that a total of 3,032,995 individuals were affected by ENTENG and the resulting Southwest Monsoon The typhoon left 21 dead, 22 injured, and 26 missing individuals. Cost of damage to agriculture, infrastructure, housing, and other assets amounted to PHP 2.612 billion.
- The international name "YAGI" (meaning: Capricorn or goat) was contributed by Japan.

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**Fig. 2.** Preliminary best track positions and intensities (as categories) of Super Typhoon ENTENG. 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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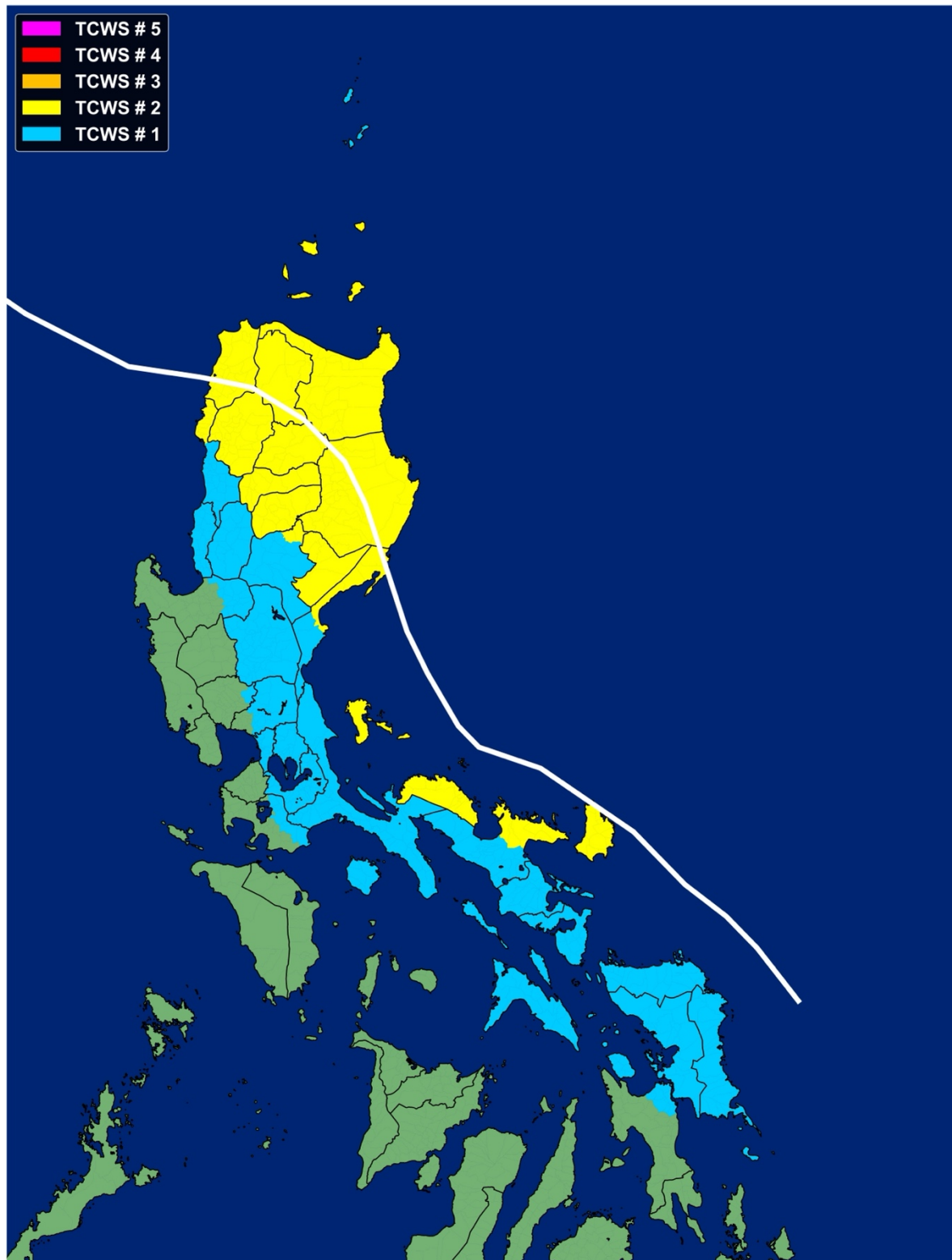
**Fig. 3.** Nationwide satellite-derived estimates and corresponding gauge observations from PAGASA manned surface weather stations of accumulated rainfall for the period of 01 to 03 September 2024. The preliminary best track is shown as thick black line.

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**Fig. 4.** Highest level and maximum extent of hoisted wind signals during the occurrence of Super Typhoon ENTENG. The preliminary best track is shown as thick white line.

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This Report shall be properly acknowledged in any work connected, either in full or partly, to this publication.

While we ensure the factual correctness and accuracy of the entries in this preliminary tropical cyclone report, readers are advised to report any text or figure in this report which may require correction to the Marine Meteorological Services Section by email at **typhoon.ops@pagasa.dost.gov.ph** with the subject "*Prelim Report [Name of TC], [Year]: For Correction*".

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