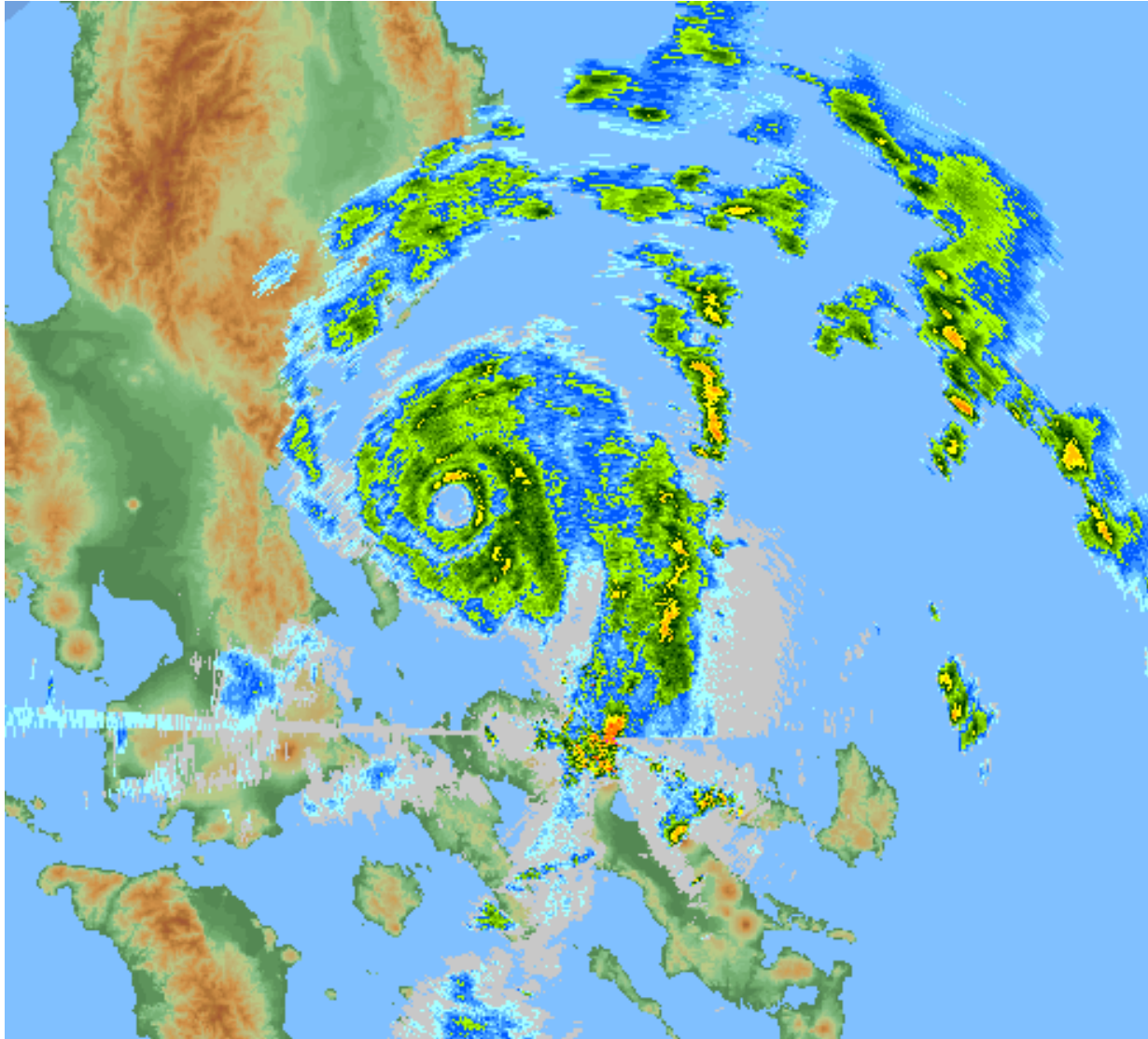


## TROPICAL CYCLONE PRELIMINARY REPORT Typhoon AGHON (EWINIAR)



**Fig. 1.** Weather radar image of Typhoon EGAY at 1500 UTC on 26 May 2024 while at peak intensity over the waters east of Aurora. Image from the PAGASA Daet Doppler Weather Surveillance Radar.

**P. C. Del Mundo and R. P. Gile**

*Marine Meteorological Services Section, Weather Division, DOST-PAGASA*

*Date Published: 31 December 2024*

**NOTE:**

All information provided in this report is considered preliminary only and will be superseded by the information that will become available once the Annual Report on Philippine Tropical Cyclones (ARTC) is released.

**DISCLAIMER:**

While we ensure the factual correctness and accuracy of the entries in this preliminary tropical cyclone report, readers are advised to report any information in this report which may require correction to [typhoon.ops@pagasa.dost.gov.ph](mailto:typhoon.ops@pagasa.dost.gov.ph) with the subject "Prelim Report [Name of TC], [Year]: For Correction".

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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                                 | 0000 UTC, 22 May 2024<br>Over the Western North Pacific waters S of Yap, Federated States of Micronesia  |
| Developed into a tropical cyclone                                    | 1200 UTC, 23 May 2024<br>Over the Philippine Sea E of Davao Region<br>505 km E of Tagum City, Davao del Norte (7.6°N, 130.4°E)   |
| Weakened into a remnant low or transitioned into a post-tropical low | 1800 UTC, 30 May 2024<br>Over the Western North Pacific waters SW of Izu Archipelago, Japan<br>1,980 km NE of Extreme Northern Luzon (31.2°N, 137.9°E)   |
| Peak intensity (lifetime <sup>2</sup> )                              | 75 kt (140 km/h), 965 hPa, Typhoon<br>1500 UTC, 26 May 2024  |
| Period of occurrence (lifetime)                                      | 7 days and 6 hours   |
| Entered the PAR region (as tropical cyclone)                         | Not applicable (developed within the PAR region)   |
| Exited the PAR region (as tropical cyclone)                          | 0400 UTC, 29 May 2024  |
| Peak intensity (within the PAR)                                      | 75 kt (140 km/h), 965 hPa, Typhoon<br>1500 UTC, 26 May 2024  |
| Period of occurrence (within the PAR)                                | 5 days and 16 hours  |
| Observed landfalls in the Philippines                                | <ul style="list-style-type: none"> <li>• Manicani Is., Guiuan, Eastern Samar: 1620 UTC, 24 May 2024</li> <li>• Giporlos, Eastern Samar: 1700 UTC, 24 May 2024</li> <li>• Basiao Is., Catbalogan City, Samar: 2000 UTC, 24 May 2024</li> <li>• Canduyong Is., Catbalogan City, Samar: 2100 UTC, 24 May 2024</li> <li>• Mobo, Masbate: 0100 UTC, 25 May 2024</li> <li>• Torrijos, Marinduque: 1510 UTC, 25 May 2024</li> <li>• Lucena City, Quezon: 2030 UTC, 25 May 2024</li> <li>• Patnanungan, Quezon (Patnanungan Is.): 1050 UTC, 26 May 2024</li> <li>• Burdeos, Quezon (Pandanan Is.): 1130 UTC, 26 May 2024</li> <li>• Burdeos, Quezon (Usok Is.): 1200 UTC, 26 May 2024</li> </ul> |

<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 (23 to 29 May 2024) rainfall over land.

| Location of weather station | Rainfall (mm) |
|-----------------------------|---------------|
| Tayabas, Quezon             | 456.9         |
| Infanta, Quezon             | 327.0         |
| Alabat, Quezon              | 253.7         |
| Mulanay, Quezon             | 253.6         |
| Iba, Zambales               | 250.0         |

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

| Location of weather station | Rainfall (mm) | Date            |
|-----------------------------|---------------|-----------------|
| Mulanay, Quezon             | 229.4         | 25 January 2024 |
| Tayabas, Quezon             | 226.5         | 25 January 2024 |
| Sinait, Ilocos Sur          | 176.5         | 29 January 2024 |
| Alabat, Quezon              | 152.2         | 25 January 2024 |
| Infanta, Quezon             | 147.3         | 26 January 2024 |

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

| Location of weather station      | Minimum MSLP (hPa) | Date (MM/DD) and Time (UTC) |
|----------------------------------|--------------------|-----------------------------|
| Tayabas, Quezon                  | 994.9              | 05/25 2100                  |
| Infanta, Quezon                  | 1002.7             | 05/26 0830                  |
| Alabat, Quezon                   | 1002.8             | 05/25 0139                  |
| Masbate City, Masbate            | 1002.8             | 05/25 1900                  |
| Ambulong, Tanauan City, Batangas | 1003.0             | 05/25 2300                  |
| Los Baños, Laguna                | 1003.1             | 05/26 0100                  |

**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) |
|-------------------------------|-----------------------|---------------------|-----------------------------|
| Tayabas, Quezon               | 22                    | S (180°)            | 05/25 2219                  |
| Guiuan, Eastern Samar         | 20                    | ENE (60°)           | 05/24 1557                  |
| Baler, Aurora                 | 16                    | WNW (290°)          | 05/27 0000                  |
| Mulanay, Quezon               | 15                    | SW (220°)           | 05/26 0628                  |
| Surigao City, Surigao del Sur | 15                    | E (100°)            | 05/23 2100                  |
| Infanta, Quezon               | 14                    | NNW (340°)          | 05/26 0726                  |
| Tacloban City, Leyte          | 14                    | ESE (110°)          | 05/23 2243                  |
| Borongan City, Eastern Samar  | 14                    | NE (40°)            | 05/24 1636                  |

**Note:** 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.

<sup>3</sup> 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

Issued by the Weather Division, DOST-PAGASA

### Tropical Cyclone Products:

- Tropical Cyclone Advisories: None issued
- Tropical Cyclone Bulletins:
  - First issuance: 5:00 AM, 24 May 2024
  - Last issuance: 5:00 PM, 29 May 2024
  - Total issued: 35
- Tropical Cyclone Warnings for Shipping:
  - First issuance: 5:00 AM, 24 May 2024
  - Last issuance: 5:00 PM, 29 May 2024
  - Total issued: 23
- WC SIGMET
  - First issuance: 4:45 AM, 25 May 2024
  - Last issuance: 4:45 PM, 28 May 2024
  - Total issued: 12

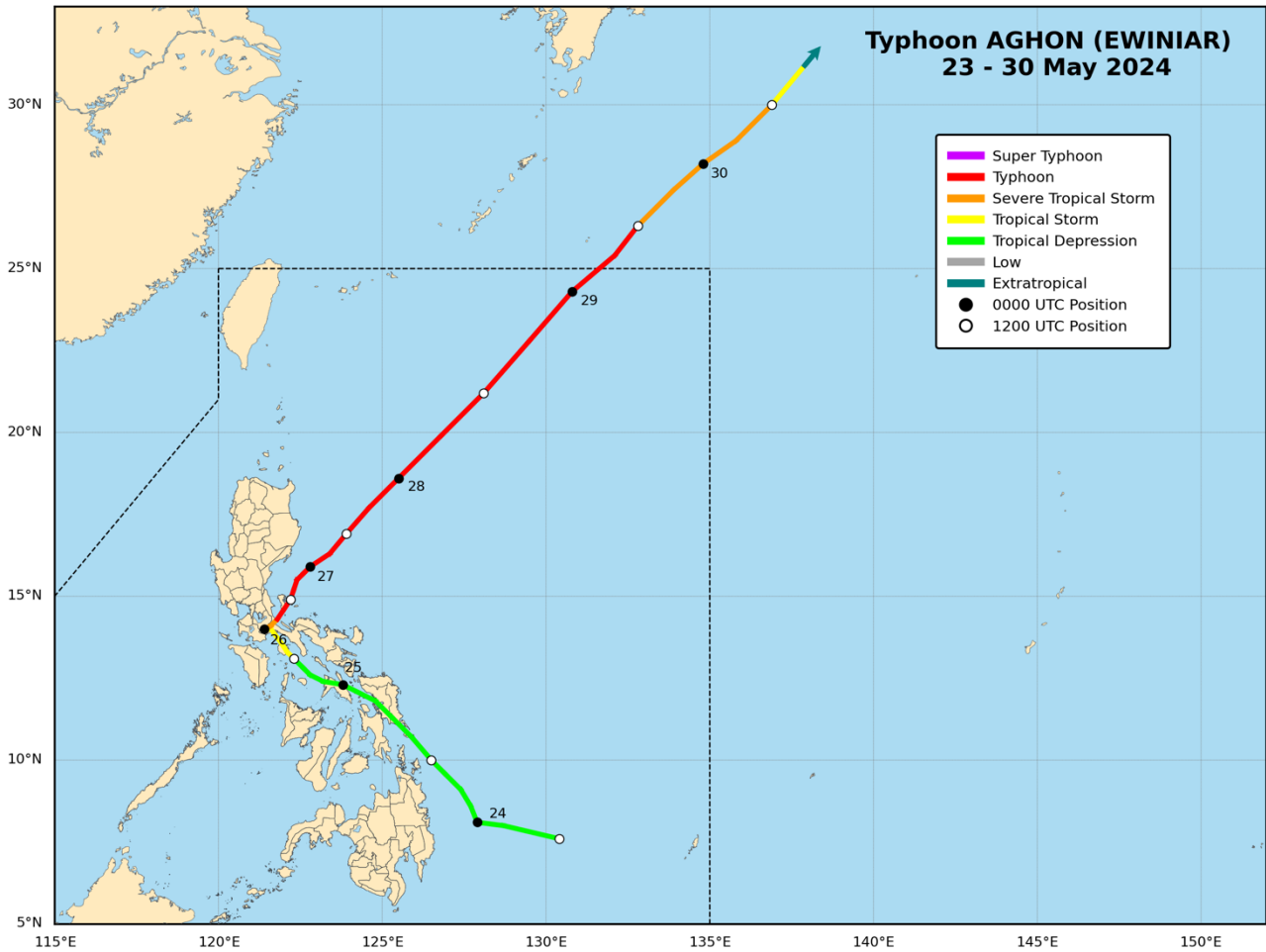
### Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: Wind Signal No. 3
- Number of provinces where wind signals had been hoisted: 36
- Timeline of hoisting/lifting of wind signals:
  - 5:00 AM, 24 May 2024: Initial hoisting of Wind Signal No. 1
  - 5:00 AM, 26 May 2024: Initial hoisting of Wind Signal No. 2
  - 5:00 PM, 26 May 2024: Initial hoisting of Wind Signal No. 3
  - 2:00 AM, 27 May 2024: Lifting of all hoisted Wind Signal No. 3
  - 5:00 PM, 27 May 2024: Lifting of all hoisted Wind Signal No. 2
  - 5:00 AM, 28 April 2024: Lifting of all hoisted Wind Signals

### Other Pertinent Information

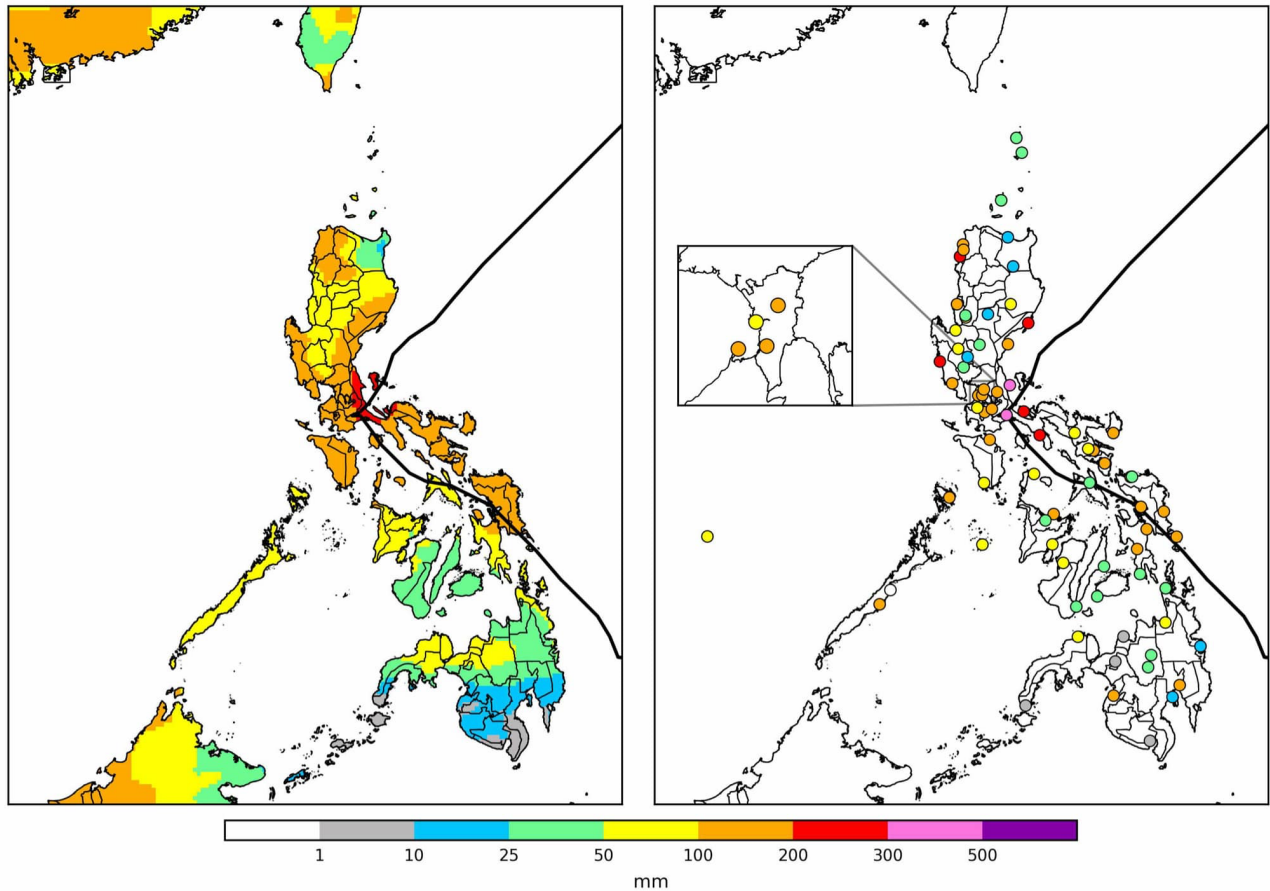
- The National Disaster Risk Reduction and Management Council (NDRRMC) reported that a total of 152,266 individuals were affected by AGHON. The typhoon left 6 dead and 8 injured individuals. Cost of damage to agriculture, infrastructure, housing, and other assets amounted to PHP 1.027 billion.
- The international name "EWINIAR" (meaning: Chuuk traditional storm god) was contributed by the Federated States of Micronesia.

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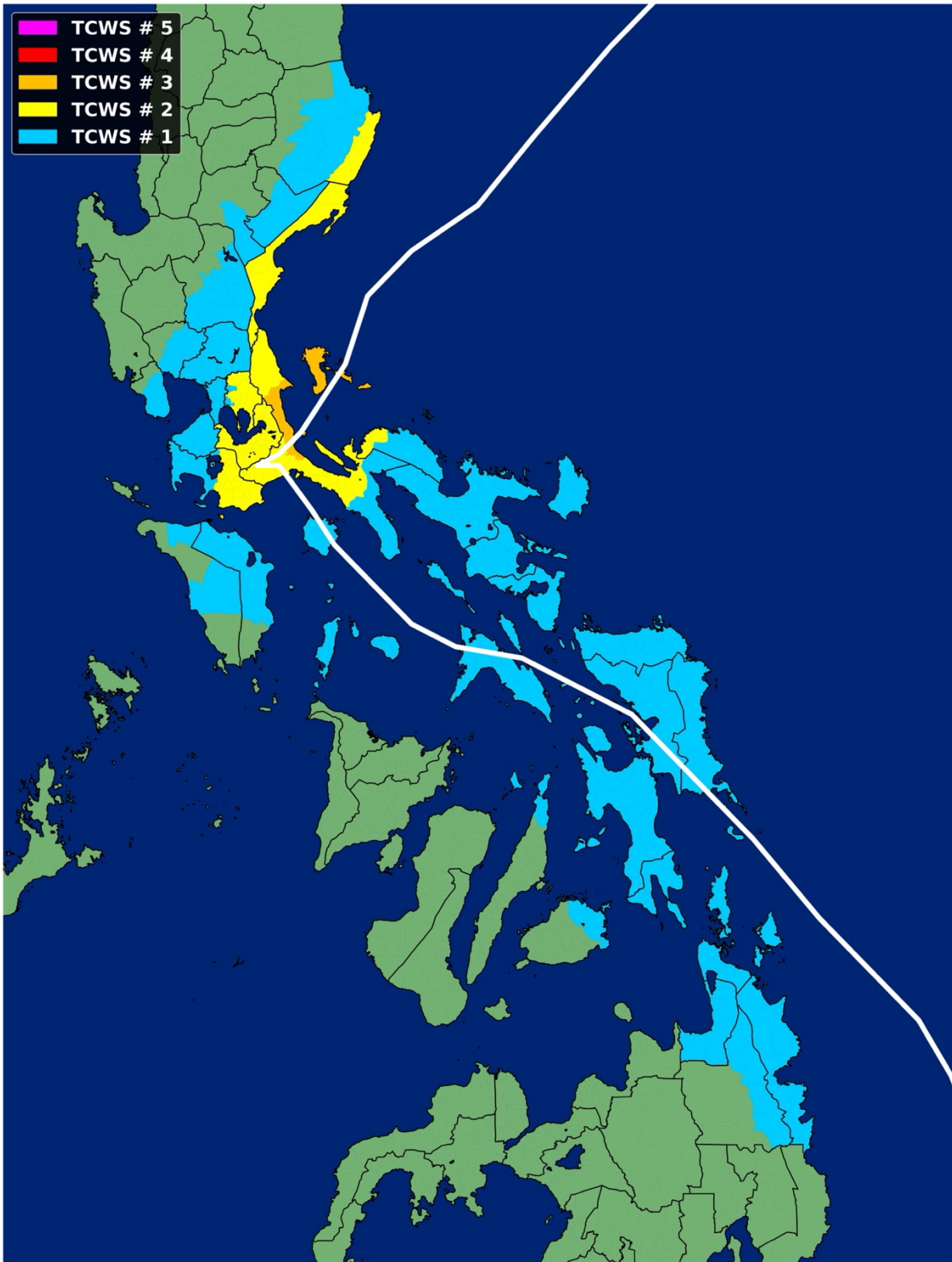
**Fig. 2.** Preliminary best track positions and intensities (as categories) of Typhoon AGHON. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

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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 23 to 29 May 2024. The preliminary best track of AGHON 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 Typhoon AGHON. The preliminary best track of the tropical cyclone 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.

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