



TROPICAL CYCLONE PRELIMINARY REPORT

Typhoon AGHON
EWINIAR (2401)

23 to 30 May 2024

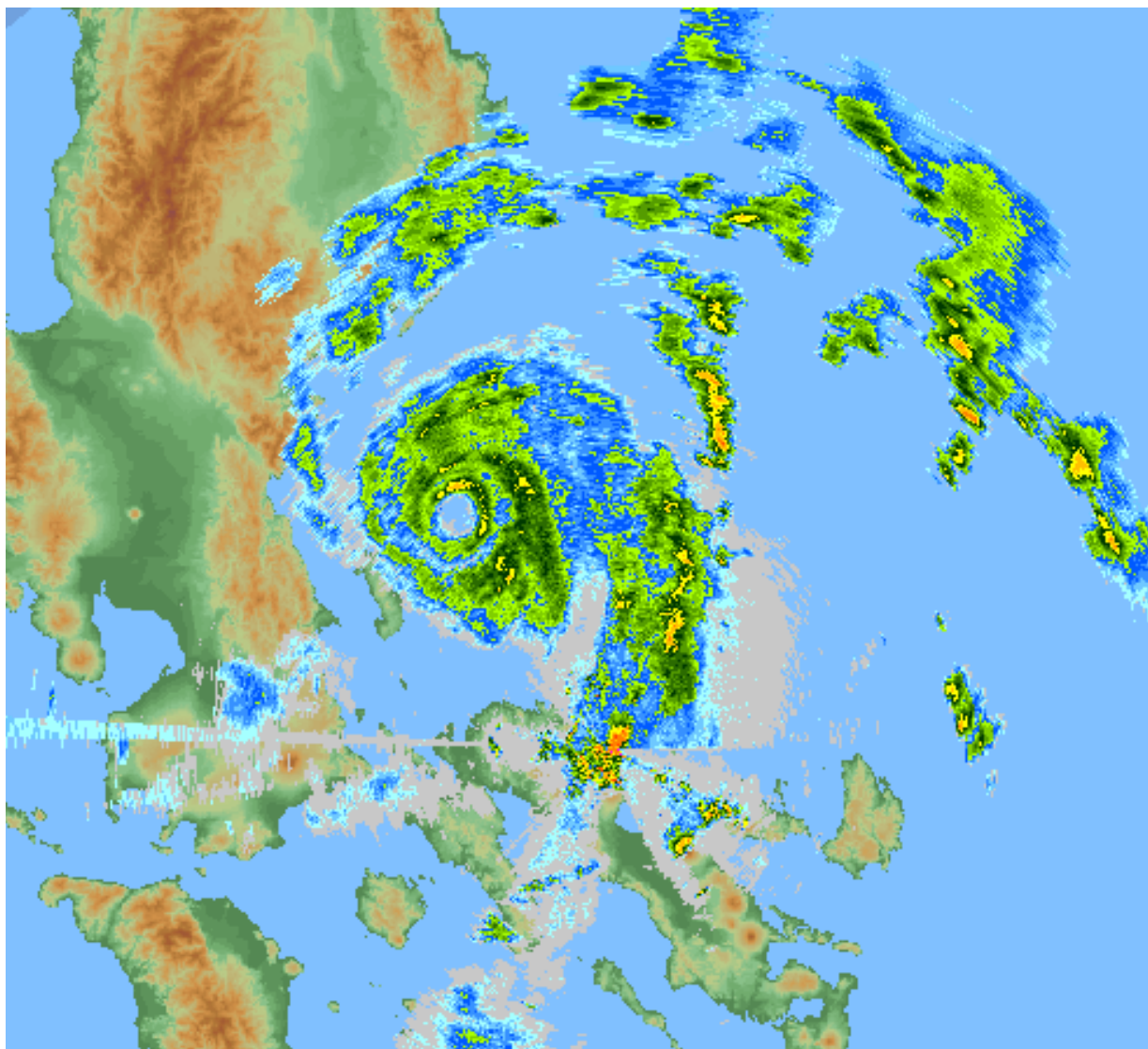


Fig. 1. Weather radar image of Typhoon AGHON at 1500 UTC on 26 May 2024 while at peak intensity over the waters east of Aurora. Image from the PAGASA Daet Doppler Weather Surveillance Radar.

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

Marine Meteorological Services Section, Weather Division, DOST-PAGASA

Date Published: 31 December 2024

Last Revision: 6 March 2025 (Rev.2)

"tracking the sky...helping the country."

Weather and Flood Forecasting Center
Senator Miriam P. Defensor-Santiago Avenue
Brgy. Central, Quezon City 1100, Philippines

Tel. No.: (+632) 8284-0800 ext. 4800
Website: <https://bagong.pagasa.dost.gov.ph>

Summary of Meteorological History

Based on PAGASA preliminary best track¹ position and intensities

First tracked as a low pressure area	0000 UTC, 22 May 2024 Over the Western North Pacific waters S of Yap, Federated States of Micronesia
Developed into a tropical cyclone	1200 UTC, 23 May 2024 Over the Philippine Sea E of Davao Region 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 Over the Western North Pacific waters SW of Izu Archipelago, Japan 1,980 km NE of Extreme Northern Luzon (31.2°N, 137.9°E)
Peak intensity (lifetime ²)	75 kt (140 km/h), 965 hPa, Typhoon 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 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"> • Manicani Is., Guiuan, Eastern Samar: 1620 UTC, 24 May 2024 • Giporlos, Eastern Samar: 1700 UTC, 24 May 2024 • Basiao Is., Catbalogan City, Samar: 2000 UTC, 24 May 2024 • Canduyong Is., Catbalogan City, Samar: 2100 UTC, 24 May 2024 • Mobo, Masbate: 0100 UTC, 25 May 2024 • Torrijos, Marinduque: 1510 UTC, 25 May 2024 • Lucena City, Quezon: 2030 UTC, 25 May 2024 • Patnanungan, Quezon (Patnanungan Is.): 1050 UTC, 26 May 2024 • Burdeos, Quezon (Pandanan Is.): 1130 UTC, 26 May 2024 • Burdeos, Quezon (Usok Is.): 1200 UTC, 26 May 2024

¹ 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.

² 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.

"tracking the sky...helping the country."

Extremes of Surface Weather Observations during Tropical Cyclone Days³

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 May 2024
Tayabas, Quezon	226.5	25 May 2024
Sinait, Ilocos Sur	176.5	29 May 2024
Alabat, Quezon	152.2	25 May 2024
Infanta, Quezon	147.3	26 May 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.

³ 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: 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.

"tracking the sky...helping the country."

Weather and Flood Forecasting Center
Senator Miriam P. Defensor-Santiago Avenue
Brgy. Central, Quezon City 1100, Philippines

Tel. No.: (+632) 8284-0800 ext. 4800
Website: <https://bagong.pagasa.dost.gov.ph>

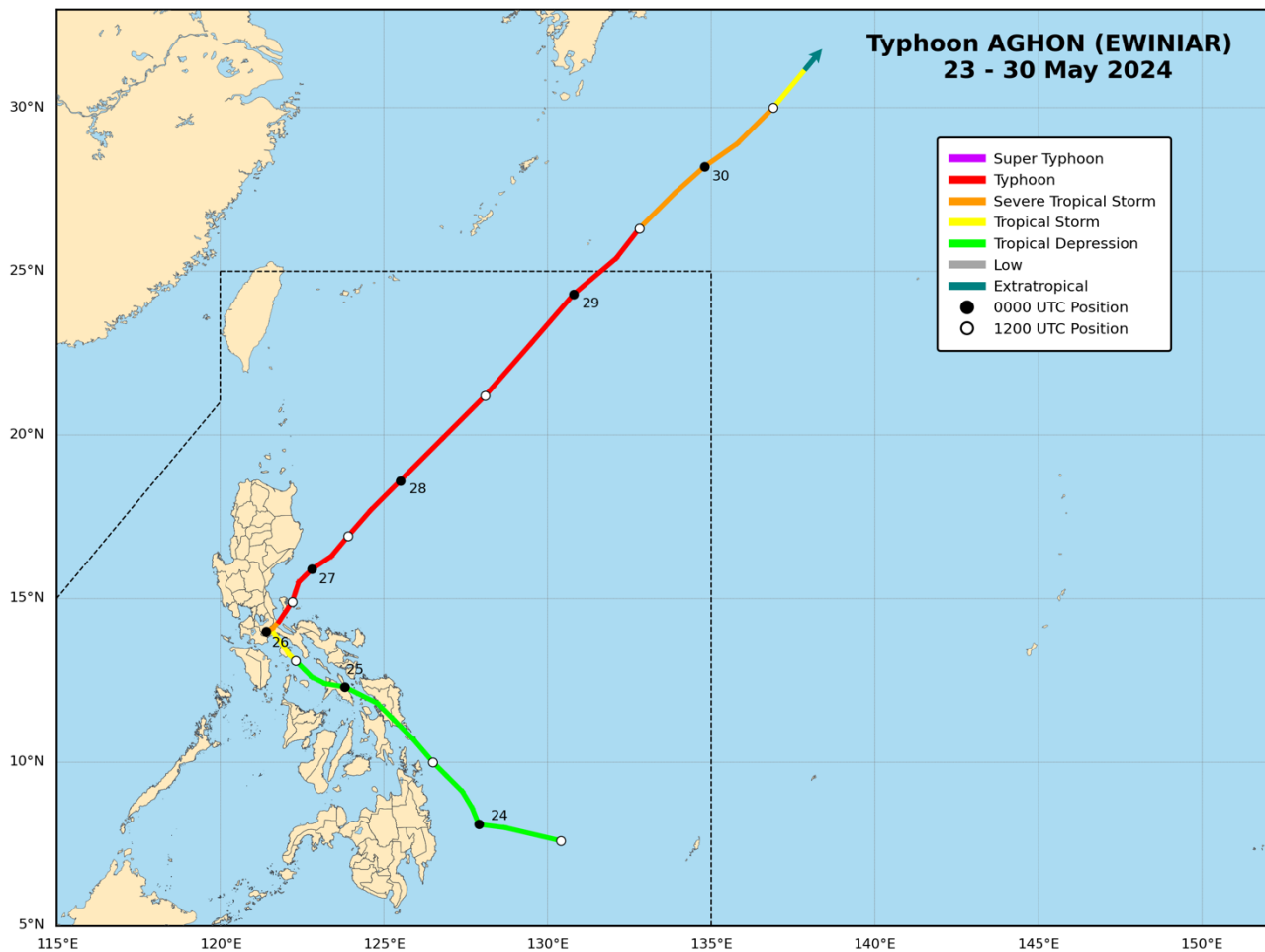


Fig. 2. Preliminary best track positions and intensities (as categories) of Typhoon AGHON. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

"tracking the sky...helping the country."

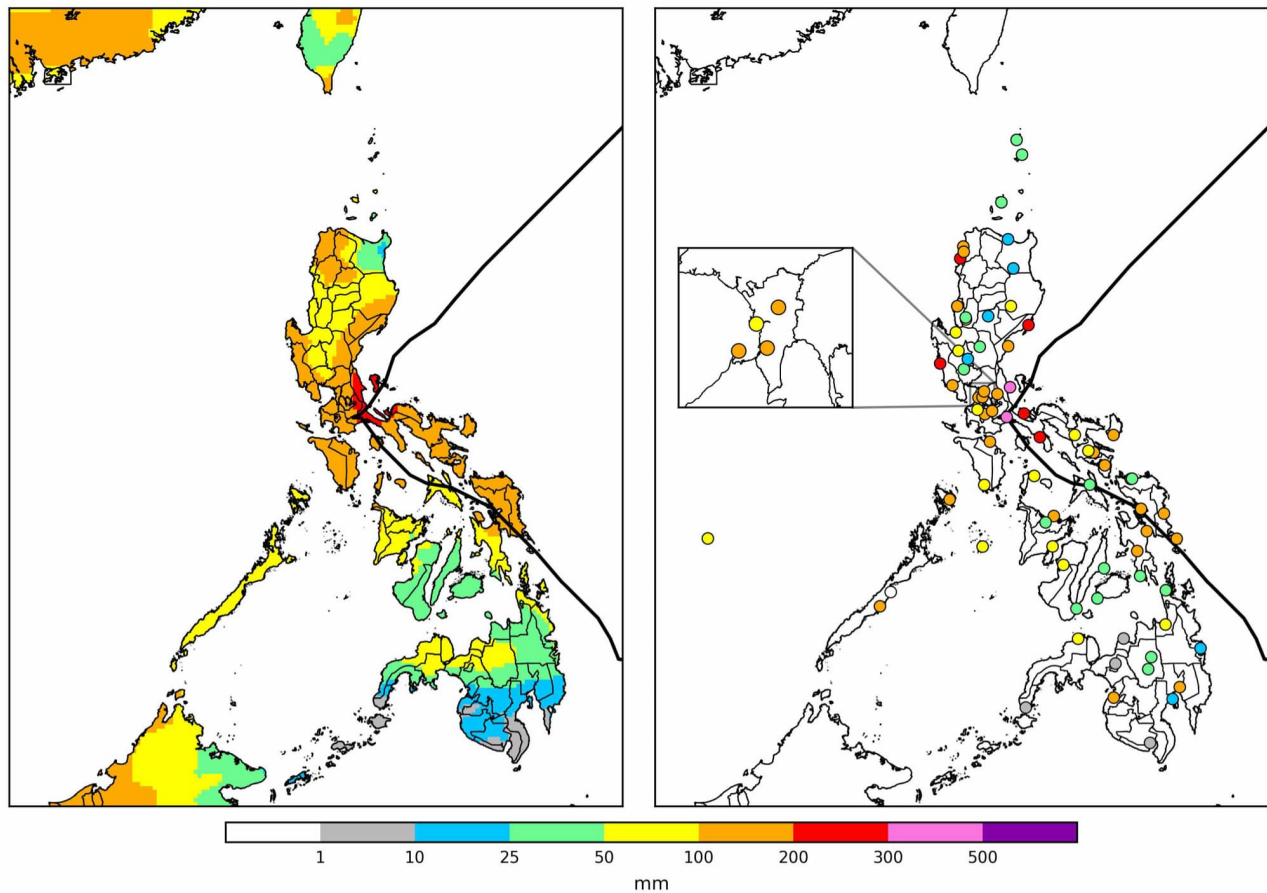


Fig. 3. Nationwide satellite-derived estimates and corresponding gauge observations from PAGASA manned surface weather stations of accumulated rainfall for the period of 23 to 29 May 2024. The preliminary best track is shown as thick black line.

"tracking the sky...helping the country."

Weather and Flood Forecasting Center
Senator Miriam P. Defensor-Santiago Avenue
Brgy. Central, Quezon City 1100, Philippines

Tel. No.: (+632) 8284-0800 ext. 4800
Website: <https://bagong.pagasa.dost.gov.ph>

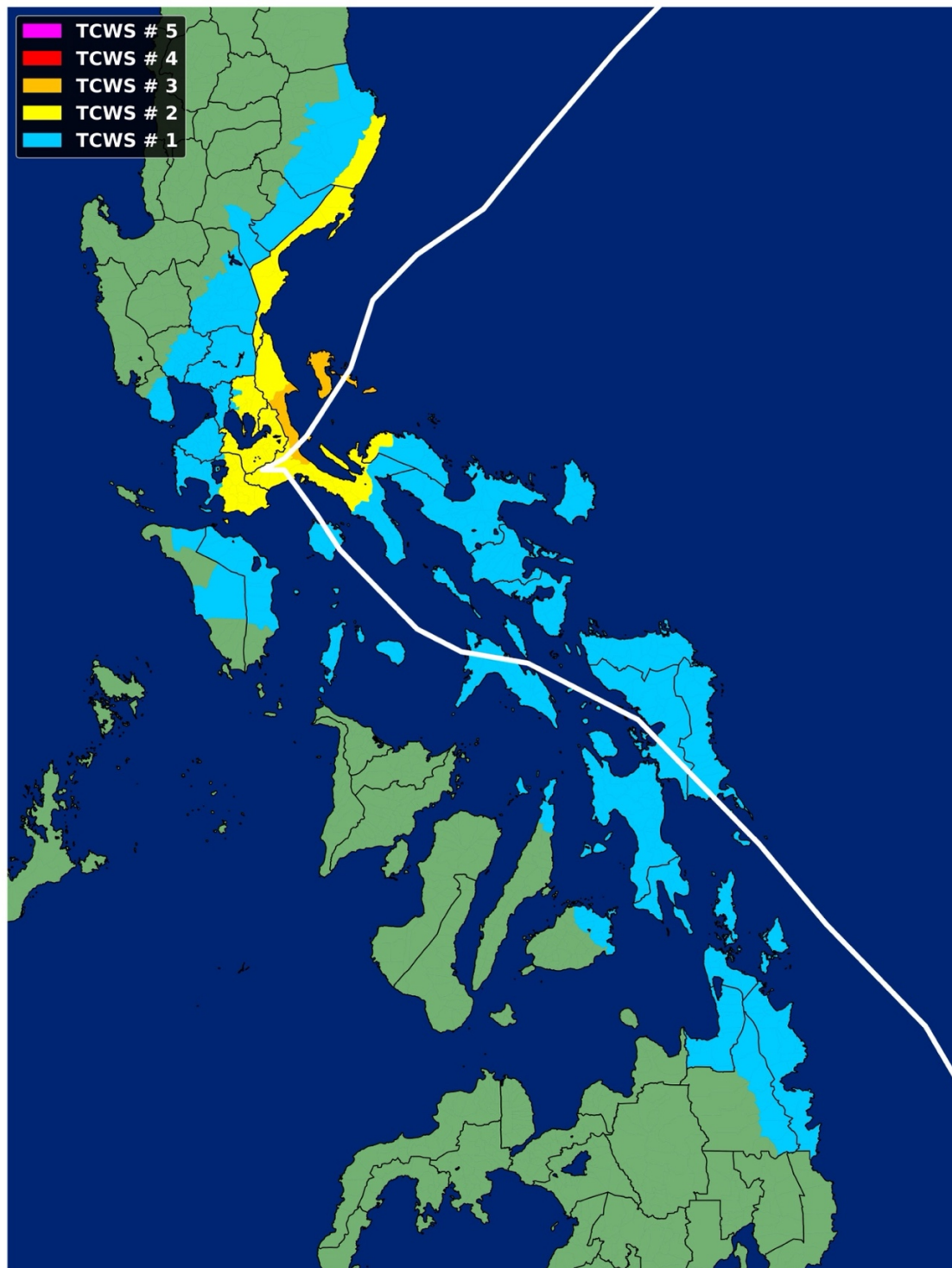


Fig. 4. Highest level and maximum extent of hoisted wind signals during the occurrence of Typhoon AGHON. The preliminary best track is shown as thick white line.

"tracking the sky...helping the country."

Weather and Flood Forecasting Center
Senator Miriam P. Defensor-Santiago Avenue
Brgy. Central, Quezon City 1100, Philippines

Tel. No.: (+632) 8284-0800 ext. 4800
Website: <https://bagong.pagasa.dost.gov.ph>

This technical report is published on behalf of the DOST-PAGASA by the:



This is a publication of the Government of the Republic of the Philippines. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording or any information storage and retrieval system without permission in writing from the publisher. Permission may be sought directly from the Weather Division of DOST-PAGASA.

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”*.

“tracking the sky...helping the country.”