



TROPICAL CYCLONE PRELIMINARY REPORT

Tropical Depression IGME
UNNAMED

19 to 22 September 2024

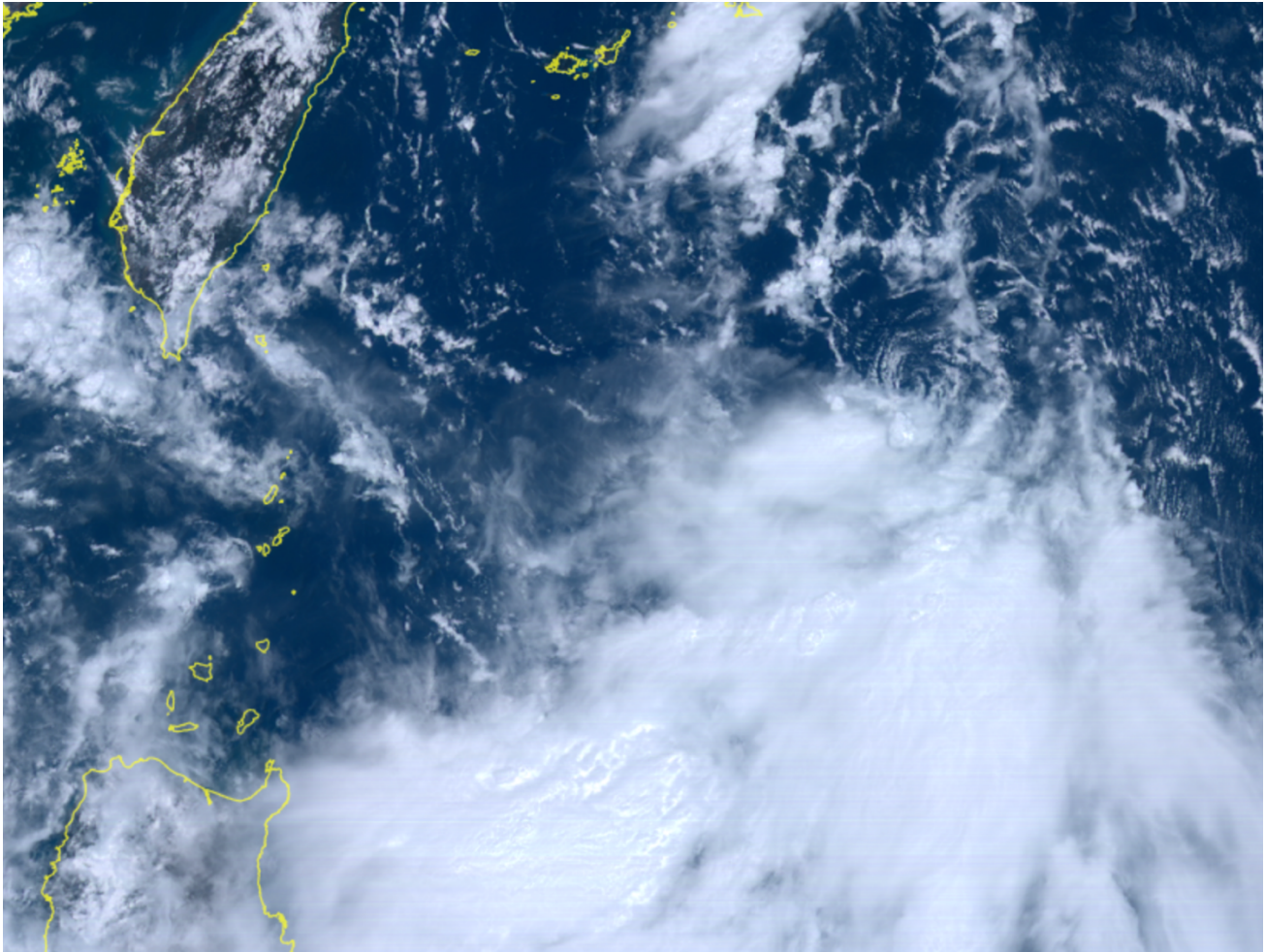


Fig. 1. Himawari-9 AHI true color RGB image of Tropical Depression IGME at 03 UTC on 20 September 2024. Image courtesy of National Institute of Information and Communications Technology (NICT), Japan.

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

Marine Meteorological Services Section, Weather Division, DOST-PAGASA

Date Published: 31 December 2024

Last Revision: 8 May 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	Not applicable (developed from the monsoon trough)
Developed into a tropical cyclone	1200 UTC, 19 September 2024 Over the Philippine Sea east of Batanes 710 km E of Basco, Batanes (20.4°N, 128.8°E)
Weakened into a remnant low or transitioned into a post tropical low	0000 UTC, 22 September 2024 Over the Taiwan Strait off the coast of Fujian Province, China 530 km NNW of Itbayat, Batanes (25.1°N, 119.7°E)
Peak intensity (lifetime ²)	30 kt (55 km/h), 1002 hPa, Tropical Depression 0600 UTC, 20 September 2024
Period of occurrence (lifetime)	2 days and 12 hours
Entered the PAR region (as tropical cyclone)	Not applicable (developed within the PAR region)
Exited the PAR region (as tropical cyclone)	1830 UTC, 20 September 2024
Peak intensity (within the PAR)	30 kt (55 km/h), 1002 hPa, Tropical Depression 0600 UTC, 20 September 2024
Period of occurrence (within the PAR)	1 day and 6.5 hours
Observed landfalls in the Philippines	None

Extremes of Surface Weather Observations during Tropical Cyclone Days³

Based on reports from PAGASA manned surface weather stations

Table 1. Highest storm duration (19 to 20 September 2024) rainfall over land.

Location of weather station	Rainfall (mm)
Iba, Zambales	315.7
Cubi Pt., Subic Bay	105.4
Tayabas, Quezon	97.1
Baguio City	96.6
Abucay, Bataan	91.9

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.

³ Also called "storm duration", it refers to the meteorological days of occurrence of the tropical cyclone within the PAR region.

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



Table 2. Highest 24-hour rainfall over land.

Location of weather station	Rainfall (mm)	Date
Iba, Zambales	174.0	20 September 2024
Tayabas, Quezon	97.1	20 September 2024
Abucay, Bataan	78.9	19 September 2024
Cubi Pt., Zambales	78.5	19 September 2024
Aparri, Cagayan	78.0	19 September 2024

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 PM, 20 September 2024
 - Last issuance: 5:00 AM, 21 September 2024
 - Total issued: 3
- Tropical Cyclone Warnings for Shipping:
 - First issuance: 5:00 PM, 20 September 2024
 - Last issuance: 5:00 AM, 21 September 2024
 - Total issued: 3
- WC SIGMET: None issued

Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: Wind Signal No. 1
- Number of provinces where wind signals had been hoisted: 1
- Timeline of hoisting/lifting of wind signals:
 - 5:00 PM, 20 September 2024: Initial hoisting of Wind Signal No. 1
 - 11:00 PM, 20 September 2024: Lifting of all hoisted Wind Signals

Other Pertinent Information

- The enhanced Southwest Monsoon, which started with the passage of Tropical Cyclone FERDIE, continued during the occurrence of IGME.
- Reports from the National Disaster Risk Reduction and Management Council (NDRRMC) listed 1,629,519 individuals affected by the compounding impacts of prolonged monsoon rains triggered by the passage of FERDIE, GENER, HELEN, and IGME. Furthermore, a total 26 dead, 17 injured and 3 missing individuals, as well as total cost of damage to houses, agriculture, infrastructure, and other assets amounting to PHP 1.121 billion, were also reported by the NDRRMC.

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

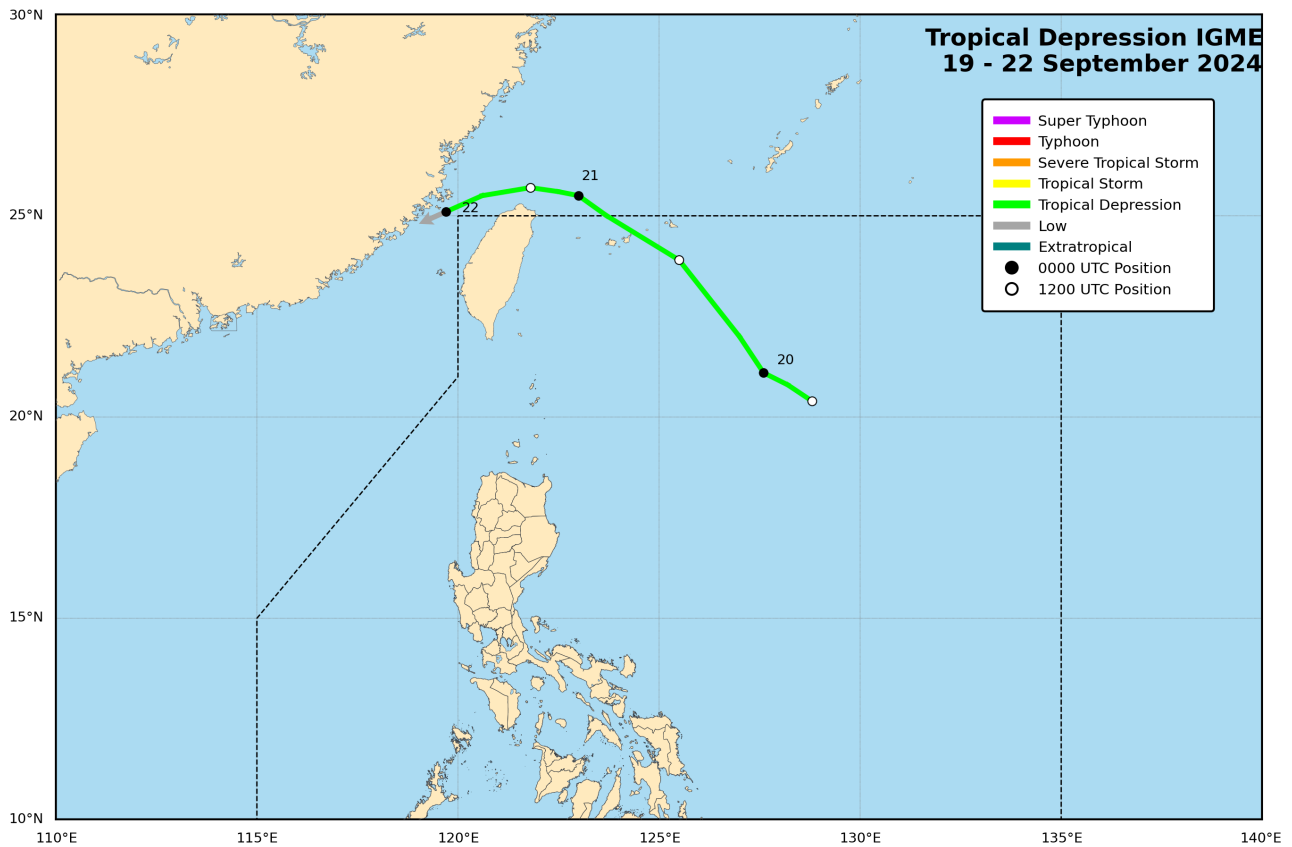


Fig. 2. Preliminary best track positions and intensities (as categories) of Tropical Depression IGME. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

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

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>

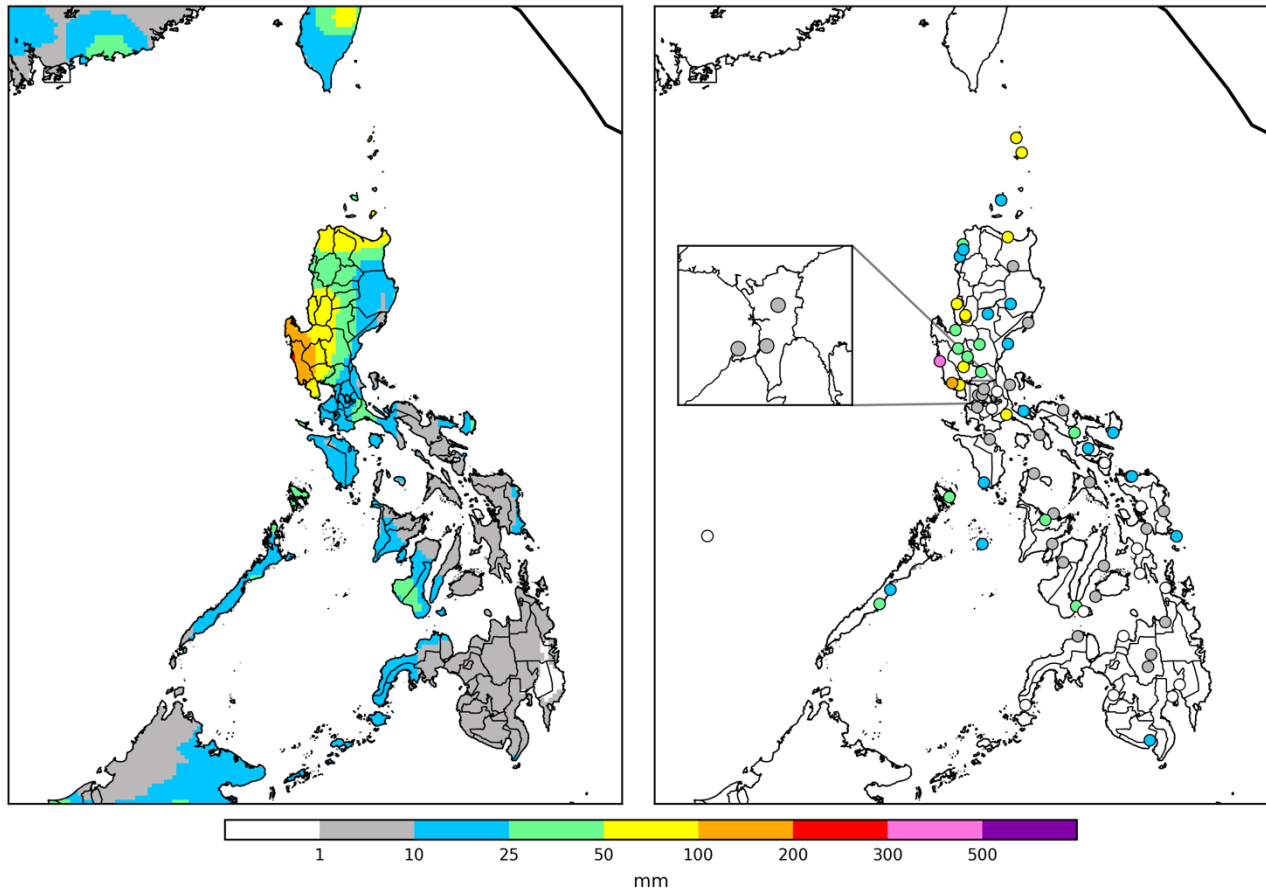


Fig. 3. Nationwide satellite-derived estimates and corresponding gauge observations from PAGASA manned surface weather stations of accumulated rainfall for the period of 19 to 20 September 2024. The preliminary best track is shown as thick black line.

"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 Tropical Depression QUERUBIN.

"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."

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>