



TROPICAL CYCLONE PRELIMINARY SUMMARY

Tropical Storm ROSAL (2225 PAKHAR)

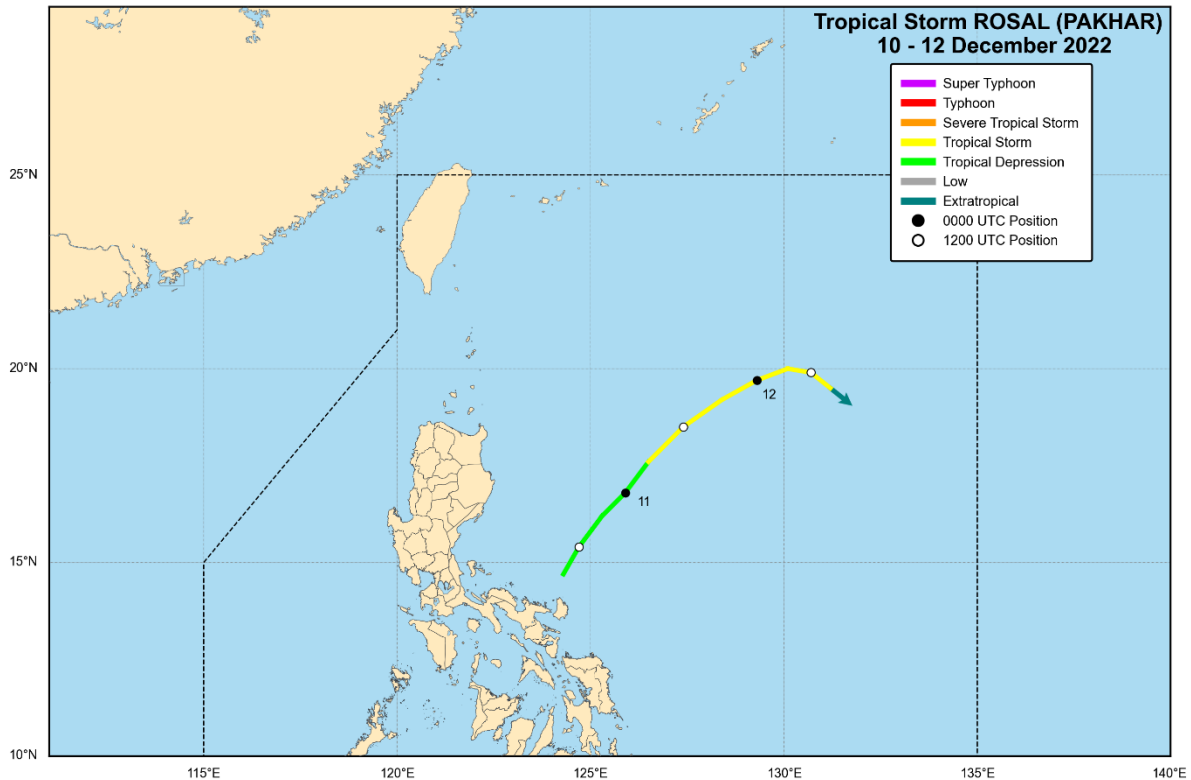


Fig. 1. Preliminary best track positions and intensities of Tropical Storm ROSAL. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

Meteorological Summary

- First tracked as a disturbance: 0000 UTC, 07 December 2022
- Developed into a tropical depression: 0600 UTC, 10 December 2022
- Transitioned into extratropical low: 1800 UTC, 12 December 2022
- Entered the Philippine Area of Responsibility: 0600 UTC, 10 December 2022
- Exited the PAR: 1800 UTC, 12 December 2022
- Duration
 - Within the PAR: 2 days and 12 hours
 - Lifetime¹: 2 days and 12 hours
- Peak intensity and category:
 - Within the PAR: 45 kt (85 km/h), Tropical Storm
 - Lifetime: 45 kt (85 km/h), Tropical Storm
- Reported landfalls²: None

¹ Lifetime is the period from the development into a tropical depression to its weakening into a remnant low or its transitioning into an extratropical low.

² Reported landfalls in the Philippines

Disclaimer: This summary is based on both warning-related information and near-real time post-analysis of the tropical cyclone in question. As such, the information provided herein are considered **preliminary only** and will be superseded by the information that will become available once the **Annual Report on Philippine Tropical Cyclones (2022 Edition)** is released.



Extremes of Surface Meteorological Observations in the Philippines

Highest peak gust over land³: None

Lowest sea level pressure over land: None

Highest 24-hour rainfall:

- Daet, Camarines Norte: 130.2 mm, 10 December 2022
- Coron, Palawan: 102.4 mm, 10 December 2022
- Romblon, Romblon: 92.5 mm, 10 December 2022

Highest cumulative rainfall while the tropical cyclone was in the PAR:

- Daet, Camarines Norte: 133.9 mm
- Coron, Palawan: 104.4 mm
- Romblon, Romblon: 98.5 mm

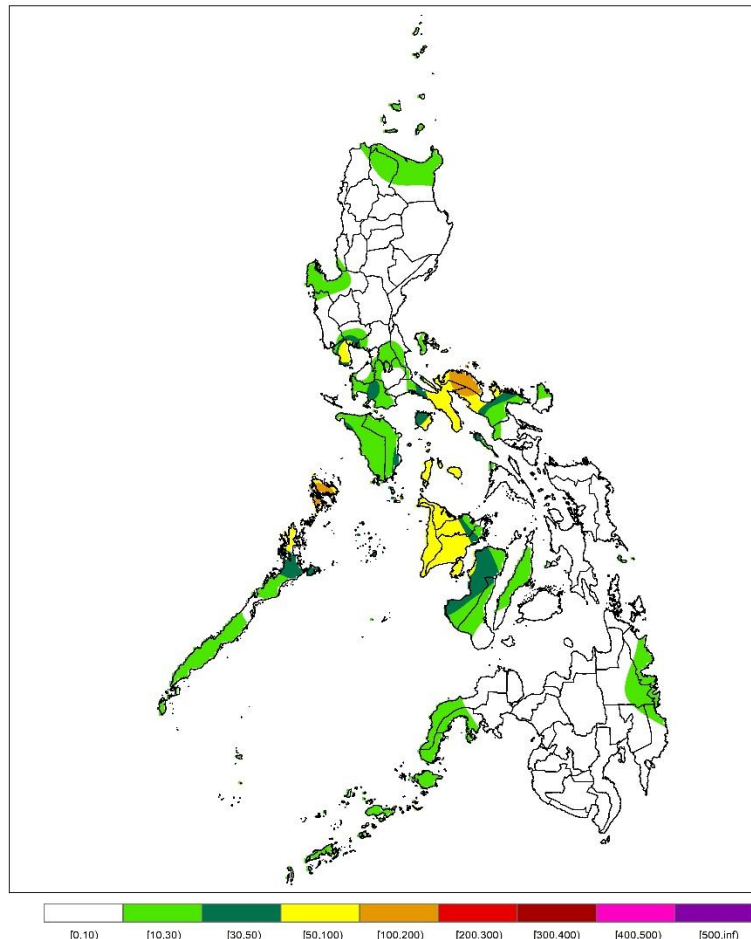


Fig. 2. Spatial interpolation of accumulated rainfall (mm) for the period of 10 to 12 December 2022 from reports of PAGASA synoptic and agromet stations.

³ Over land extremes are extremes of observation reported by a land-based weather station.

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Warning Summary

Number of Public and Marine Tropical Cyclone Products Issued:

- Tropical Cyclone Updates:
 - First Issuance: 4:00 PM, 10 December 2022
 - Last Issuance: 4:00 PM, 12 December 2022
- Tropical Cyclone Advisories:
 - First Issuance: None
 - Last Issuance: None
- Tropical Cyclone Bulletins:
 - First Issuance: 11:00 AM, 10 December 2022
 - Last Issuance: 5:00 AM, 13 December 2022
- Tropical Cyclone Warnings for Shipping:
 - First Issuance: 11:00 AM, 10 December 2022
 - Last Issuance: 5:00 AM, 13 December 2022

Hoisting of Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: TCWS #1
- Number of localities where wind signals had been hoisted: 3
- Timeline of hoisting/lifting of wind signals:
 - 11:00 AM, 10 December 2022: Initial hoisting of TCWS #1
 - 11:00 PM, 10 December 2022: Lifting all wind signal

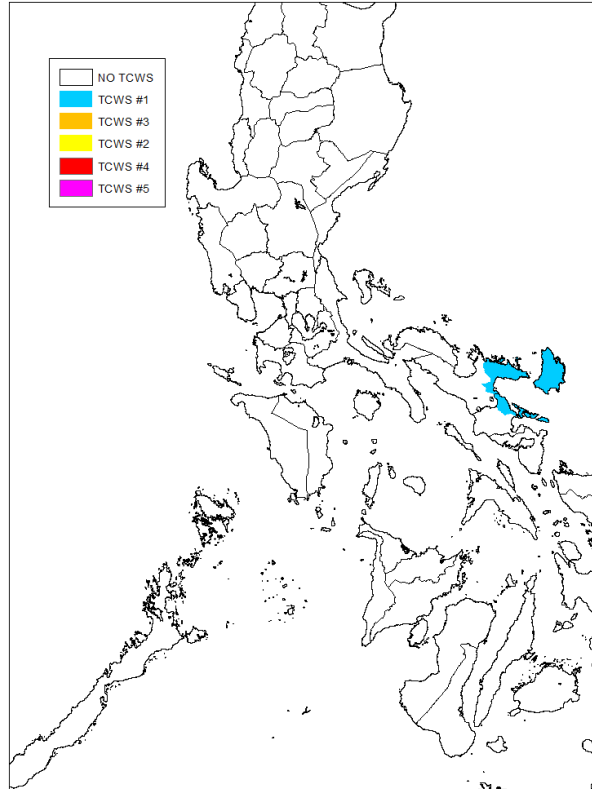


Fig.3. Highest wind signal hoisted by PAGASA during the occurrence of Tropical Storm ROSAL.

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Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
Philippine Atmospheric, Geophysical and Astronomical
Services Administration (PAGASA)
Marine Meteorological Services Section, Weather Division



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Other Pertinent Information:

The international name "PAKHAR", a fresh water fish which lives in lower Mekong River, was contributed by Lao People's Democratic Republic.

Prepared by:

S. F. Duran, R. P. Gile, S. M. R. Reyes, and J. E. M. Bulquerin
Tropical Cyclone Group, Marine Meteorological Services Section
Weather Division, PAGASA

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"The Weather and Climate Authority"

3F WFFC, BIR Road, Diliman, Quezon City

Tel. No. (02) 8284-0800 loc. 805

bagong.pagasa.dost.gov.ph