



TROPICAL CYCLONE PRELIMINARY SUMMARY

Typhoon NENENG (2220 NESAT)

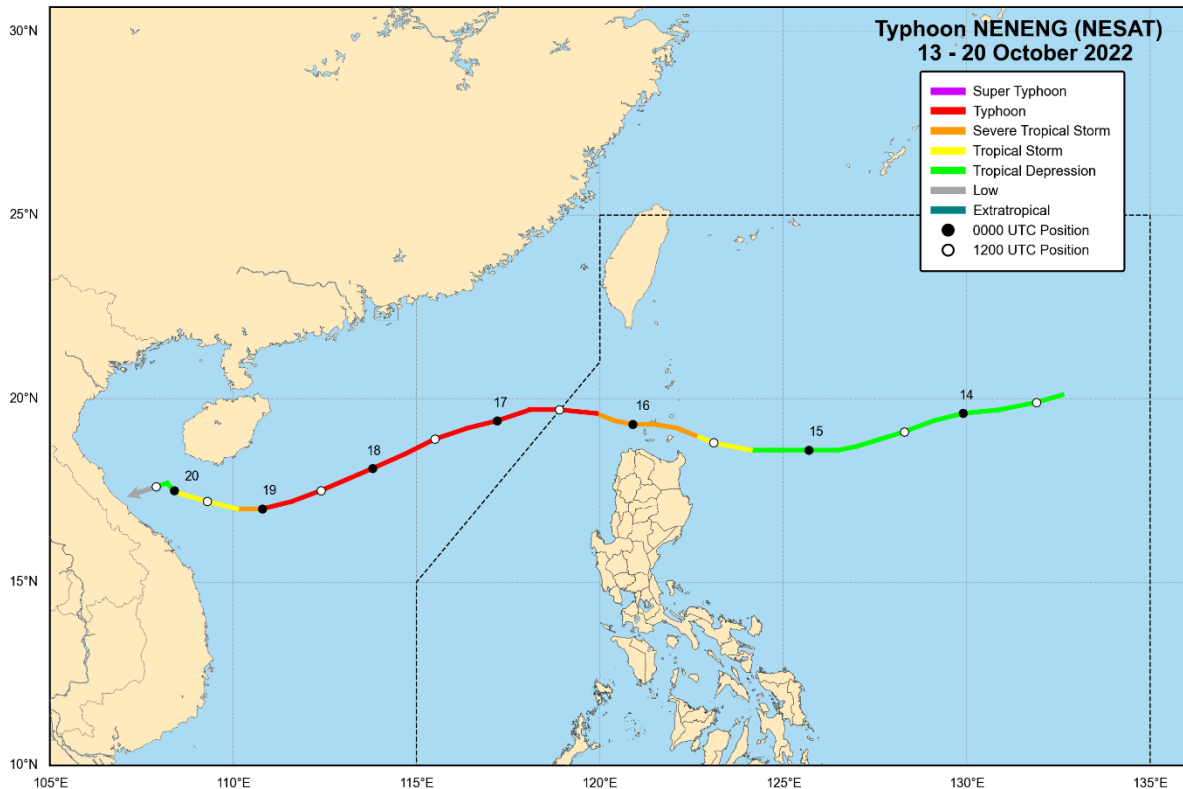


Fig. 1. Preliminary best track positions and intensities of Typhoon NENENG. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

Meteorological Summary

- First tracked as a disturbance: 0000 UTC, 10 October 2022
- Developed into a tropical depression: 0600 UTC, 13 October 2022
- Weakened into a remnant low: 1200 UTC, 20 October 2022
- Entered the Philippine Area of Responsibility: 0600 UTC, 13 October 2022
- Exited the PAR: 1210 UTC, 16 October 2022
- Duration
 - Within the PAR: 3 days and 6.2 hours
 - Lifetime¹: 7 days and 6 hours
- Peak intensity and category:
 - Within the PAR: 65 kt (120 km/h), Typhoon
 - Lifetime: 80 kt (150 km/h), Typhoon
- Reported landfalls²:
 - Calayan Island, Cagayan: 1950 UTC, 15 October 2022

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 As such, the information provided herein are considered **preliminary only** and will be superseded by the information that will become available once the **Annual Report on Philippine Tropical Cyclones (2022 Edition)** is released.

"The Weather and Climate Authority"



Extremes of Surface Meteorological Observations in the Philippines

Highest peak gust over land³:

- Basco, Batanes: E (90°) at 62.2 kt (32 m/s), 2000 UTC, 15 October 2022
- Calayan, Cagayan: N (360°) at 46.6 kt (24 m/s), 1700 UTC, 15 October 2022
- Itbayat, Batanes: N (360°) at 40.8 kt (21 m/s), 1300 UTC, 15 October 2022

Lowest sea level pressure over land:

- Calayan, Cagayan: 984.5 hPa, 1900 UTC, 15 October 2022
- Aparri, Cagayan: 992.7 hPa, 1900 UTC, 15 October 2022
- Basco, Batanes: 993.5 hPa, 1900 UTC, 15 October 2022

Highest 24-hour rainfall:

- Aparri, Cagayan: 323.8 mm, 15 October 2022
- Calayan, Cagayan: 228.8 mm, 15 October 2022
- Sinait, Ilocos Sur: 174.6 mm, 16 October 2022

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

- Aparri, Cagayan: 362.9 mm
- Batac, Ilocos Norte: 267.8 mm
- Sinait, Ilocos Sur: 252.2 mm

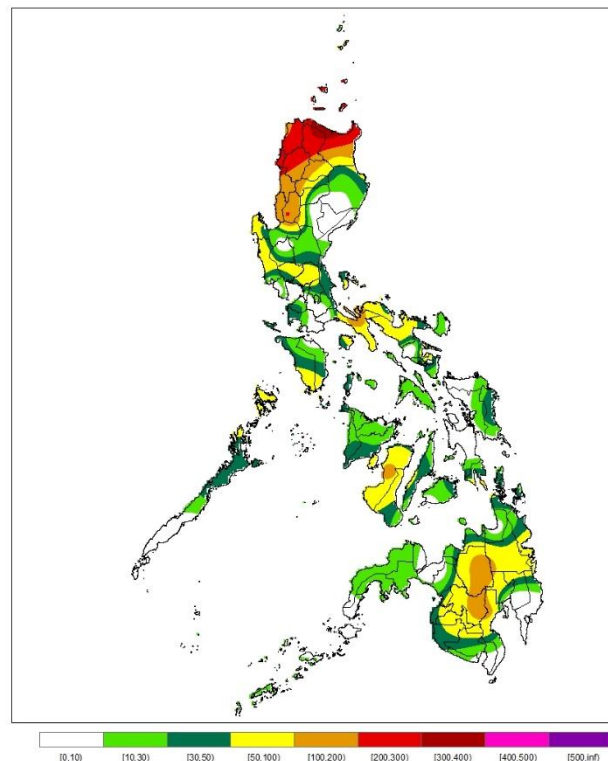


Fig. 2. Spatial interpolation of accumulated rainfall (mm) for the period of 13 to 16 October 2022 from reports of PAGASA synoptic and agromet stations.

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

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.



Warning Summary

Number of Public and Marine Tropical Cyclone Products Issued:

- Tropical Cyclone Updates:
 - First Issuance: 4:00 AM, 11 October 2022
 - Last Issuance: 4:00 PM, 19 October 2022
- Tropical Cyclone Advisories:
 - First Issuance: 11:00 PM, 10 October 2022
 - Last Issuance: 11:00 AM, 13 October 2022
- Tropical Cyclone Bulletins:
 - First Issuance: 5:00 PM, 13 October 2022
 - Last Issuance: 11:00 PM, 16 October 2022
- Tropical Cyclone Warnings for Shipping:
 - First Issuance: 5:00 PM, 13 October 2022
 - Last Issuance: 11:00 PM, 16 October 2022

Hoisting of Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: TCWS #3
- Number of localities where wind signals had been hoisted: 10
- Timeline of hoisting/lifting of wind signals:
 - 5:00 PM, 14 October 2022: Initial hoisting of TCWS #1
 - 5:00 PM, 15 October 2022: Initial hoisting of TCWS #2
 - 5:00 AM, 16 October 2022: Initial hoisting of TCWS #3
 - 11:00 PM, 16 October: Lifting all wind signals

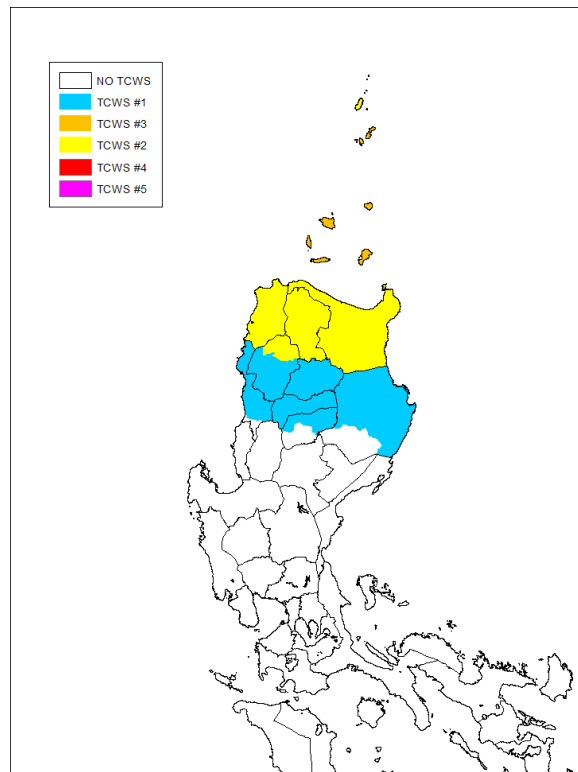


Fig.3. Highest wind signal hoisted by PAGASA during the occurrence of Typhoon NENENG.

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.



Other Pertinent Information:

- The international name “NESAT”, meaning fishing, was contributed by Cambodia.
- Operationally, NENENG was noted as tropical depression at 1200 UTC of 10 October. However, further assessment of the tropical cyclone’s structure and based on the recent available data indicated that NENENG developed into a tropical depression at 0600 UTC of 13 October.
- As of reporting time⁴, the occurrence of Typhoon NENENG directly resulted in 2 casualties (2 injured) and combined cost of damage of agriculture, infrastructure, and houses of at least PHP 954,369,794.38.

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

⁴ The information is consolidated by the NDRRMC Situational Report No.9 for Typhoon NENENG dated 23 October 2022.
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.