



TROPICAL CYCLONE PRELIMINARY SUMMARY

Severe Tropical Storm FLORITA (2209 MA-ON)

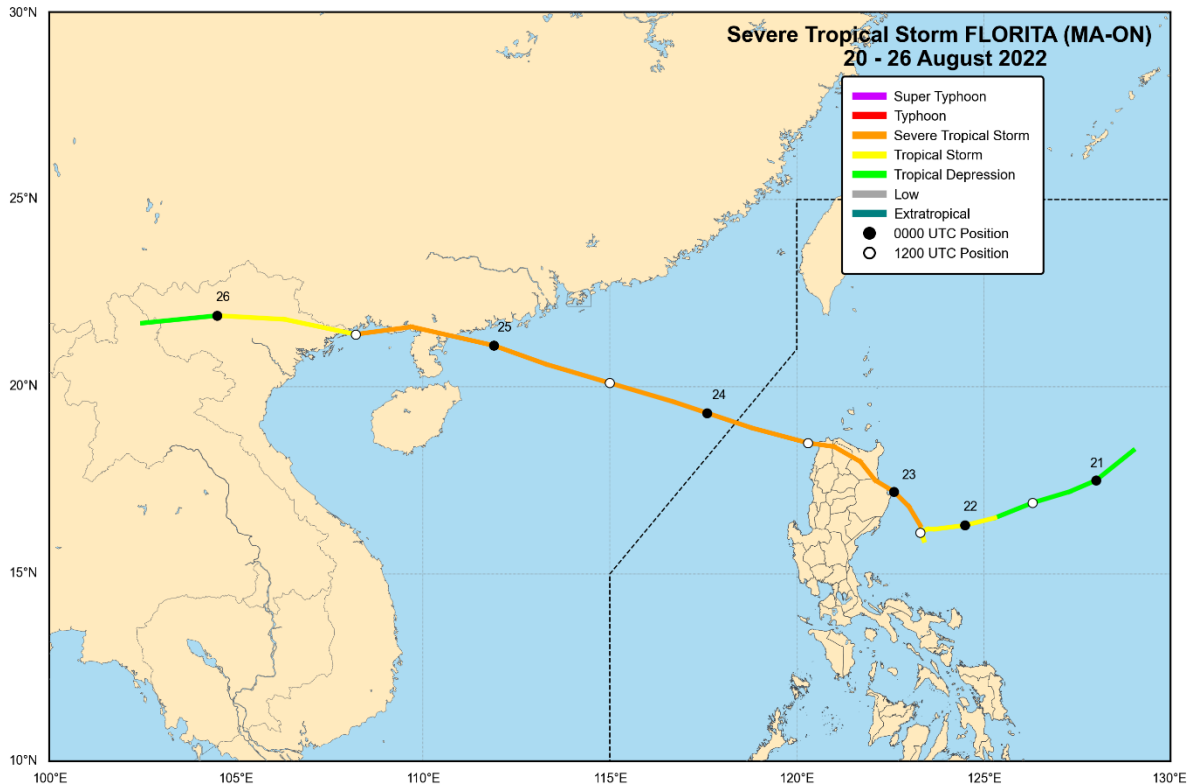


Fig. 1. Preliminary best track positions and intensities of Severe Tropical Storm FLORITA. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

Meteorological Summary

- First tracked as a disturbance: 0000 UTC, 19 August 2022
- Developed into a tropical depression: 1800 UTC, 20 August 2022
- Weakened into a remnant low: 0600 UTC, 26 August 2022
- Entered the Philippine Area of Responsibility: 1800 UTC, 20 August 2022
- Exited the PAR: 2000 UTC, 23 August 2022
- Duration
 - Within the PAR: 3 day and 2 hours
 - Lifetime¹: 5 days and 6 hours
- Peak intensity and category:
 - Within the PAR: 60 kt (110 km/h), Severe Tropical Storm
 - Lifetime: 60 kt (110 km/h), Severe Tropical Storm
- Reported landfalls²:
 - Maconacon, Isabela: 0230 UTC, 23 August 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 As such, the information provided herein are considered **preliminary only** and will be superseded by the information that will become available once the **Annual Report on Philippine Tropical Cyclones (2022 Edition)** is released.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: SE (130°) at 52.5 kt (27 m/s), 1140 UTC, 23 August 2022
- Baler, Aurora: WNW (300°) at 38.9 kt (20 m/s), 1758 UTC, 22 August 2022
- Calayan, Cagayan: E (100°) at 38.9 kt (20 m/s), 1000 UTC, 23 August 2022

Lowest sea level pressure over land:

- Tuguegarao City, Cagayan: 989.1 hPa, 0400 UTC, 23 August 2022
- Laoag City, Ilocos Norte: 993.3 hPa, 1100 UTC, 23 August 2022
- Sinait, Ilocos Sur: 995.9 hPa, 1000 UTC, 23 August 2022

Highest 24-hour rainfall:

- Batac, Ilocos Norte: 201.8 mm, 22 August 2022
- Baguio City, Benguet: 169.8 mm, 23 August 2022
- Laoag City, Ilocos Norte: 162.5 mm, 22 August 2022

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

- Batac, Ilocos Norte: 284.8 mm
- Iba, Zambales: 281.2 mm
- Laoag City, Ilocos Norte: 280.1 mm

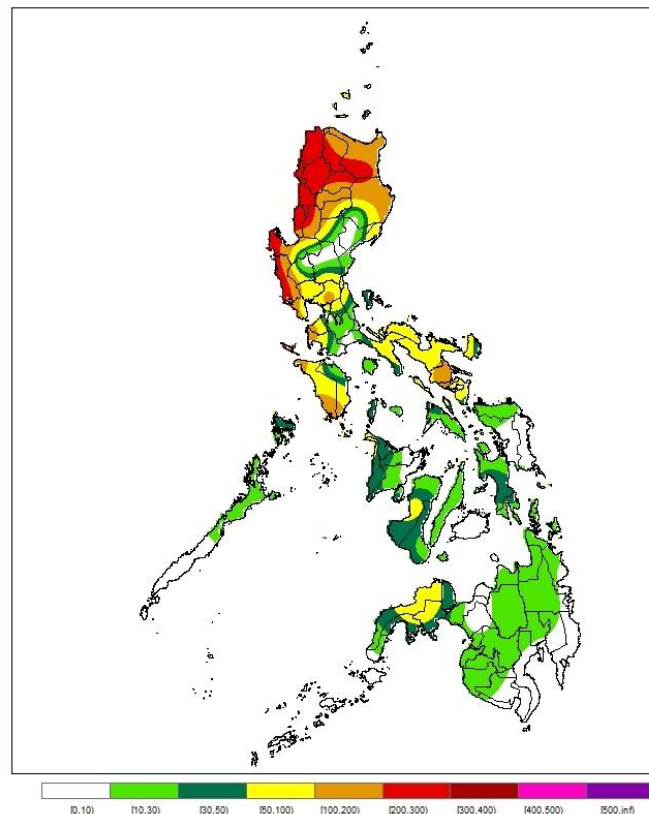


Fig. 2. Spatial interpolation of accumulated rainfall (mm) for the period of 20 to 23 August 2022 from reports of PAGASA synoptic and agromet stations.

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, 21 August 2022
 - Last Issuance: 4:00 AM, 25 August 2022
- Tropical Cyclone Advisories:
 - First Issuance: None
 - Last Issuance: None
- Tropical Cyclone Bulletins:
 - First Issuance: 11:00 AM, 21 August 2022
 - Last Issuance: 11:00 AM, 24 August 2022
- Tropical Cyclone Warnings for Shipping:
 - First Issuance: 11:00 AM, 21 August 2022
 - Last Issuance: 11:00 AM, 24 August 2022

Hoisting of Tropical Cyclone Wind Signals:

- Highest level of wind signal hoisted: TCWS #3
- Number of localities where wind signals had been hoisted: 24
- Timeline of hoisting/lifting of wind signals:
 - 5:00 PM, 21 August 2022: Initial hoisting of TCWS #1
 - 11:00 AM, 22 August 2022: Initial hoisting of TCWS #2
 - 5:00 AM, 23 August 2022: Initial hoisting of TCWS #3
 - 11:00 AM, 24 August 2022: Lifting of all wind signals

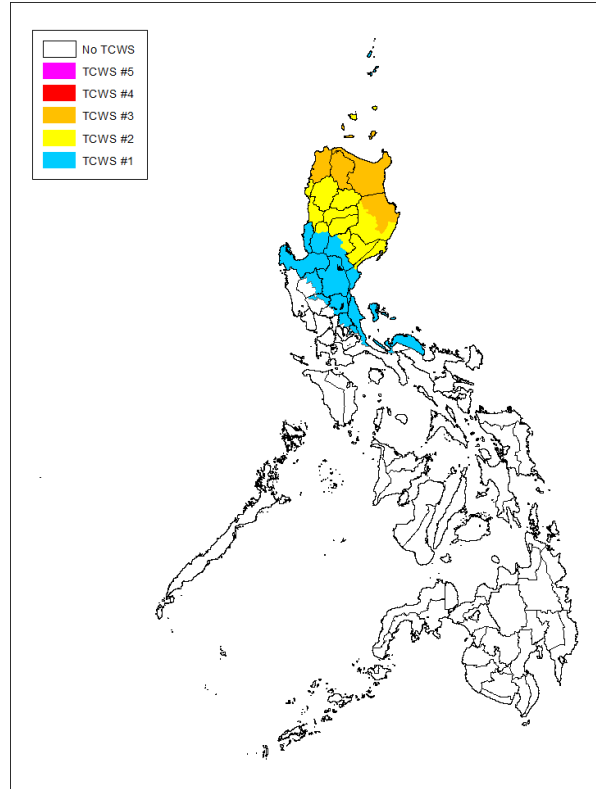


Fig.3. Highest wind signal hoisted by PAGASA during the occurrence of Severe Tropical Storm FLORITA

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Other Pertinent Information:

- The international name MA-ON (meaning: name of a peak) was contributed by Hong Kong, China.
- As of reporting time⁴, the occurrence of Severe Tropical Storm FLORITA directly resulted in the 7 casualties (3 dead, 4 injured) and combined cost of damage of agriculture, infrastructure, and houses of at least PHP 594,978,205.

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⁴ The information is consolidated by the NDRRMC Situational Report No.9 for Severe Tropical Storm FLORITA dated 30 August 2022.

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