



TROPICAL CYCLONE BULLETIN NR. 11
Severe Tropical Storm CARINA (GAEMI)

Issued at 11:00 AM, 22 July 2024

Valid for broadcast until the next bulletin at 5:00 PM today.

SEVERE TROPICAL STORM "CARINA" CONTINUES TO STEADILY INTENSIFY AS IT MOVES NORTHWESTWARD OVER THE PHILIPPINE SEA.

Location of Center (10:00 AM)

The center of Severe Tropical Storm CARINA was estimated based on all available data at **355 km East of Tuguegarao City, Cagayan (17.4°N, 125.1°E)**

Intensity

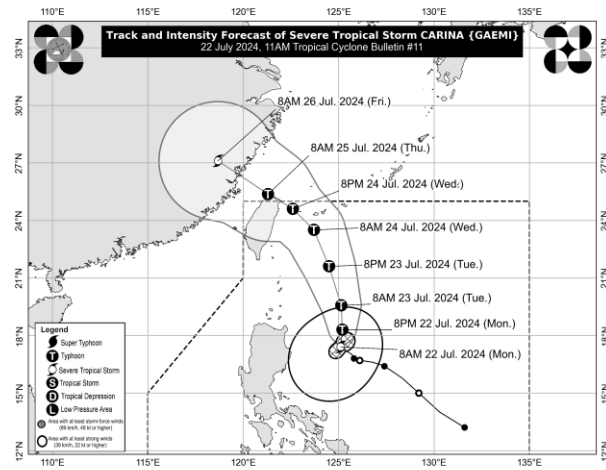
Maximum sustained winds of **110 km/h** near the center, gustiness of up to **135 km/h**, and central pressure of **985 hPa**

Present Movement

Northwestward at 15km/h

Extent of Tropical Cyclone Winds

Strong to storm-force winds extend outwards up to **340 km** from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 PM 22 July 2024	18.3	125.2	375 km East of Aparri, Cagayan	120	TY	N 10
24-Hour Forecast 8:00 AM 23 July 2024	19.6	125.1	385 km East of Calayan, Cagayan	130	TY	N 10
36-Hour Forecast 8:00 PM 23 July 2024	21.6	124.5	290 km East Northeast of Itbayat, Batanes	150	TY	NNW 20
48-Hour Forecast 8:00 AM 24 July 2024	23.5	123.7	360 km North Northeast of Itbayat, Batanes	155	TY	NNW 20
60-Hour Forecast 8:00 PM 24 July 2024	24.6	122.6	430 km North of Itbayat, Batanes	165	TY	NW 15
72-Hour Forecast 8:00 AM 25 July 2024	25.4	121.3	515 km North of Itbayat, Batanes (OUTSIDE PAR)	155	TY	WNW 15
96-Hour Forecast 8:00 AM 26 July 2024	27.1	118.7	770 km North Northwest of Itbayat, Batanes (OUTSIDE PAR)	110	STS	NW 15

Prepared by: *PCDM*

Checked by: *ACJ*

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	Batanes, the eastern portion of mainland Cagayan (Santa Ana, Gattaran, Baggao, Peñablanca, Lal-Lo, Gonzaga) including the eastern portion of Babuyan Islands (Camiguin Is., Babuyan Is.), and the northeastern portion of Isabela (Divilacan, Palanan, Maconacon)	-	-
	Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property		

OTHER HAZARDS AFFECTING LAND AREAS
<p><u>Heavy Rainfall Outlook</u></p> <p>Forecast accumulated rainfall: Today to Tomorrow noon (23 July)</p> <ul style="list-style-type: none"> • 100-200 mm: The extreme northeastern portion of mainland Cagayan • 50-100 mm: Babuyan Islands and the eastern portions of mainland Cagayan and Isabela <p>Forecast accumulated rainfall: Tomorrow noon (23 July) to Wednesday noon (24 July)</p> <ul style="list-style-type: none"> • 100-200 mm: Batanes • 50-100 mm: Babuyan Islands and the northeastern portion of mainland Cagayan <p>Forecast accumulated rainfall: Wednesday noon (24 July) to Thursday noon (25 July)</p> <ul style="list-style-type: none"> • 50-100 mm: Batanes <p>Forecast rainfall are generally higher in elevated or mountainous areas. Under these conditions, flooding and rain-induced landslides are possible especially in areas that are highly or very highly susceptible to these hazards as identified in official hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.</p> <p>Furthermore, the Southwest Monsoon enhanced by CARINA will bring moderate to intense rainfall over various localities in the western portion of Luzon tonight through Wednesday. For more information, refer to Weather Advisory No. 25 issued at 11:00 AM today.</p> <p><u>Severe Winds</u></p> <p>Minimal to minor impacts due to strong winds may be experienced within any of the localities where Wind Signal No. 1 is hoisted.</p> <p>The Southwest Monsoon enhanced by CARINA will also bring strong to gale-force gusts over the following areas (especially in coastal and upland areas exposed to winds):</p> <ul style="list-style-type: none"> • Today: Zambales, Bataan, Aurora, MIMAROPA, Bicol Region, Western Visayas, Northern Samar, and the northern portion of Samar. • Tomorrow: Ilocos Region, Zambales, Bataan, Aurora, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Visayas • Wednesday: Ilocos Region, Abra, Benguet, Apayao, Nueva Vizcaya, Quirino, Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Visayas.

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HAZARDS AFFECTING COASTAL WATERS

In the next 24 hours, CARINA and the enhanced Southwest Monsoon will bring moderate to rough seas over the northern and eastern seaboard of Luzon (2.0 to 3.5 m) and western seaboard of Central and Southern Luzon, and Western Visayas (1.5 to 3.0 m). Mariners of small seacrafts, including all types of motorbancas, are advised not to venture out to sea under these conditions, especially if inexperienced or operating ill-equipped vessels.

Moderate seas are also expected over the eastern seaboard of Visayas and Mindanao (1.5 to 2.0 m). Mariners of motorbancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea and, if possible, avoid navigating under these conditions.

TRACK AND INTENSITY OUTLOOK


- Over the Philippine Sea, CARINA is forecast to move generally northward from today until tomorrow (23 July) while gradually accelerating before turning northwestward for the remainder of the forecast period. On the track forecast, CARINA will remain far from the Philippine landmass and exit the Philippine Area of Responsibility on Wednesday evening or Thursday early morning (25 July). The track forecast also shows CARINA passing near or over the southern islands of the Ryukyu archipelago prior to leaving the PAR region and passing close to northern Taiwan after exiting the PAR. From Thursday onwards, CARINA will move over the East China Sea towards southeastern China.
- CARINA is forecast to steadily intensify over the next four days due to favorable environment. It is forecast to reach typhoon category within 12 hours. **Rapid intensification within the forecast period is likely.**

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 5:00 PM today.

DOST-PAGASA

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Checked by:  ACJ

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