



TROPICAL CYCLONE BULLETIN NR. 4
Tropical Storm CARINA (GAEMI)

Issued at 5:00 PM, 20 July 2024

Valid for broadcast until the next bulletin at 11:00 PM today.

“CARINA” INTENSIFIES INTO A TROPICAL STORM

Location of Center (4:00 PM)

The center of Tropical Storm CARINA was estimated based on all available data at **630 km East of Casiguran, Aurora (15.8°N, 128.0°E)**

Intensity

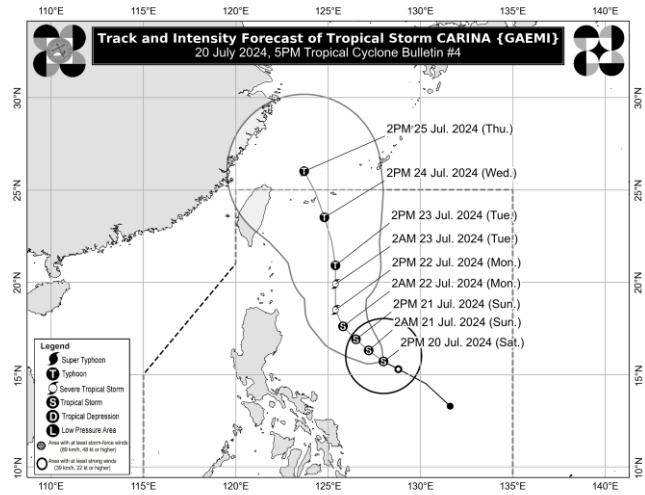
Maximum sustained winds of **65 km/h** near the center, gustiness of up to **80 km/h**, and central pressure of **1002 hPa**

Present Movement

West northwestward at 15 km/h

Extent of Tropical Cyclone Winds

Strong to gale-force winds extend outwards up to **250 km** from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position		Location	Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)		MSW (km/h)	Cat.	
12-Hour Forecast 2:00 AM 21 July 2024	16.3	127.2	540 km East of Casiguran, Aurora	65	TS	NW 10
24-Hour Forecast 2:00 PM 21 July 2024	16.9	126.5	470 km East of Casiguran, Aurora	75	TS	NW 10
36-Hour Forecast 2:00 AM 22 July 2024	17.6	125.8	430 km East of Tuguegarao City, Cagayan	85	TS	NW 10
48-Hour Forecast 2:00 PM 22 July 2024	18.5	125.4	400 km East of Aparri, Cagayan	100	STS	NNW 10
60-Hour Forecast 2:00 AM 23 July 2024	19.9	125.4	365 km East of Basco, Batanes	110	STS	N 15
72-Hour Forecast 2:00 PM 23 July 2024	20.9	125.4	370 km East of Itbayat, Batanes	130	TY	N 10
96-Hour Forecast 2:00 PM 24 July 2024	23.5	124.8	430 km Northeast of Itbayat, Batanes	140	TY	NNW 10
120-Hour Forecast 2:00 PM 25 July 2024	26.0	123.7	610 km North Northeast of Itbayat, Batanes (OUTSIDE PAR)	150	TY	NNW 10

Prepared by:  PCDM

Checked by:  ACJ

“tracking the sky...helping the country.”



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT
No Wind Signal hoisted at this time.

OTHER HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Heavy rainfall directly caused by CARINA remains less likely over next three days. However, there may be changes in the current forecast scenario in the succeeding bulletins, which may affect the heavy rainfall outlook within the forecast period.

The Southwest Monsoon that will be enhanced by CARINA and Tropical Depression (formerly BUTCHOY) will bring moderate to heavy rains over the western portion of Luzon over the next three days. For more information, refer to Weather Advisory No. 21 issued at 11:00 AM today.

Severe Winds

Based on the latest forecast scenario, the hoisting of Wind Signal No. 1 over Extreme Northern Luzon and the eastern portion of Northern Luzon is not ruled out.

The Southwest Monsoon that will be enhanced by CARINA and Tropical Depression (formerly BUTCHOY) will bring **gusty conditions** over the following areas (especially in coastal and upland areas exposed to winds):

- Today and tomorrow (21 July): Kalayaan Islands
- Monday (22 July): CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Zambales, Bataan, and Metro Manila.

HAZARDS AFFECTING COASTAL WATERS

CARINA and the Southwest Monsoon will bring moderate seas (1.0-2.0 m) over the coastal waters along the eastern seaboard of the country. Mariners of motor bancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea.

TRACK AND INTENSITY OUTLOOK

- CARINA is forecast to move generally northwestward until tomorrow while gradually decelerating. It is then forecast to turn generally northward on Monday before accelerating northward or north northwestward over the Philippine Sea towards the Ryukyu archipelago from Tuesday (23 July) onwards. In general, CARINA will generally have a mainly offshore path over the next five days and remain far from the Philippine landmass.
- CARINA is forecast to steadily intensify and reach severe tropical storm by Monday. Beginning on Monday, the tropical cyclone will likely intensify further at a faster rate, eventually reaching typhoon category on Tuesday. The possibility of rapid intensification within this period is not ruled out.

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 11:00 PM today.

DOST-PAGASA

Prepared by: PCDM

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