



TROPICAL CYCLONE BULLETIN NR. 5
Tropical Storm CARINA (GAEMI)

Issued at 11:00 PM, 20 July 2024

Valid for broadcast until the next bulletin at 5:00 AM tomorrow.

“CARINA” MAINTAINS ITS STRENGTH WHILE SLIGHTLY ACCELERATING NORTHWESTWARD.

Location of Center (10:00 PM)

The center of Tropical Storm CARINA was estimated based on all available data at **545 km East of Casiguran, Aurora (16.7°N, 127.2°E)**

Intensity

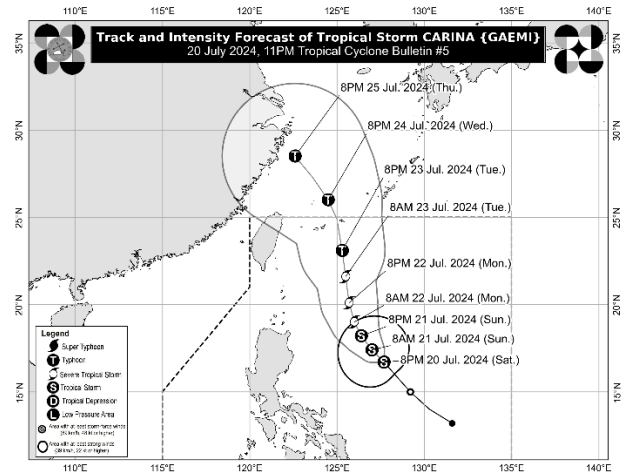
Maximum sustained winds of **65 km/h** near the center, gustiness of up to **80 km/h**, and central pressure of **1002 hPa**

Present Movement

Northwestward at 20 km/h

Extent of Tropical Cyclone Winds

Strong to gale-force winds extend outwards up to **320 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 AM 21 July 2024	17.4	127.0	555 km East of Tuguegarao City, Cagayan	75	TS	NW 10
24-Hour Forecast 8:00 PM 21 July 2024	18.2	126.4	495 km East of Tuguegarao City, Cagayan	85	TS	NW 10
36-Hour Forecast 8:00 AM 22 July 2024	19.0	126.0	480 km East of Calayan, Cagayan	95	STS	NNW 10
48-Hour Forecast 8:00 PM 22 July 2024	20.1	125.7	390 km East of Basco, Batanes	100	STS	NNW 10
60-Hour Forecast 8:00 AM 23 July 2024	21.6	125.5	390 km East Northeast of Itbayat, Batanes	110	STS	N 15
72-Hour Forecast 8:00 PM 23 July 2024	23.1	125.3	440 km Northeast of Itbayat, Batanes	130	TY	N 15
96-Hour Forecast 8:00 PM 24 July 2024	26.0	124.5	640 km North Northeast of Itbayat, Batanes (OUTSIDE PAR)	150	TY	NNW 15
120-Hour Forecast 8:00 PM 25 July 2024	28.5	122.6	860 km North of Extreme Northern Luzon (OUTSIDE PAR)	150	TY	NW 15

Prepared by: *RPG*

Checked by: *RBB*

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

OTHER HAZARDS AFFECTING LAND AREAS
<p>Heavy Rainfall Outlook</p> <p>Forecast accumulated rainfall: Tomorrow evening to Monday evening</p> <ul style="list-style-type: none"> • 50-100 mm: The northeastern portion of mainland Cagayan and the eastern portion of Babuyan Islands <p>Forecast accumulated rainfall: Monday evening to Tuesday evening</p> <ul style="list-style-type: none"> • 50-100 mm: Batanes and Babuyan Islands <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 enhanced Southwest Monsoon will moderate to intense rainfall over various localities in the western portion of Luzon tomorrow through Tuesday. For more information, refer to Weather Advisory No. 22 issued at 11:00 PM today.</p> <p>Severe Winds</p> <p>The hoisting of Wind Signal No. 1 over Extreme Northern Luzon and northeastern portion of mainland Cagayan is not ruled out, possibly by tomorrow or on Monday in anticipation of strong winds associated with CARINA.</p> <p>The Southwest Monsoon that will be enhanced by CARINA and Tropical Depression (formerly BUTCHOY) will 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"> • Tomorrow (21 July): Kalayaan Islands • Monday (22 July): Zambales, Bataan, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas • Tuesday (23 July): Ilocos Region, Zambales, Bataan, Aurora, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Western Visayas.

HAZARDS AFFECTING COASTAL WATERS
<p>In the next 24 hours, CARINA and the enhanced Southwest Monsoon will bring moderate seas over the coastal waters along the northern seaboard of Northern Luzon (1.0-2.0 m), the western seaboards of Central and Southern Luzon (1.0-2.5 m), and the eastern seaboard of the country (1.0-2.5 m).</p> <p>Mariners of motorbancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea.</p>

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



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TRACK AND INTENSITY OUTLOOK


- Over the Philippine Sea, CARINA is forecast to move generally northwestward until tomorrow (21 July), then turn north northwestward or northward until Tuesday (23 July). In general, CARINA will remain far from the Philippine landmass and is forecast to exit the Philippine Area of Responsibility on Wednesday (24 July). Outside the PAR, CARINA will turn generally northwestward on Wednesday and pass close to the islands in the Ryukyu archipelago towards the East China Sea.
- CARINA is forecast to steadily intensify and reach severe tropical storm by Monday (22 July). Beginning on Monday, the tropical cyclone intensify further at a faster rate, eventually reaching typhoon category on Tuesday. **Rapid intensification during this period is possible.**

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 AM tomorrow.

DOST-PAGASA

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