



**TROPICAL CYCLONE BULLETIN NR. 9**  
**Severe Tropical Storm CARINA (GAEMI)**

Issued at 11:00 PM, 21 July 2024

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

**“CARINA” BECOMES A SEVERE TROPICAL STORM WHILE REMAINING ALMOST STATIONARY**

**Location of Center (10:00 PM)**

The center of Severe Tropical Storm CARINA was estimated based on all available data at **385 km East of Casiguran, Aurora (16.9°N, 125.7°E)**

**Intensity**

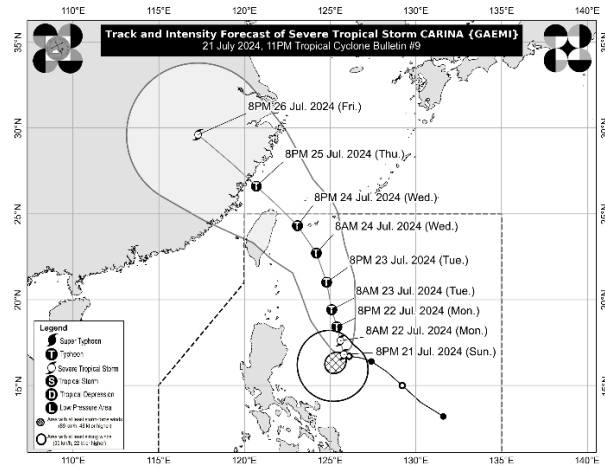
Maximum sustained winds of **95 km/h** near the center, gustiness of up to **115 km/h**, and central pressure of **992 hPa**

**Present Movement**

**Almost stationary**

**Extent of Tropical Cyclone Winds**

**Strong to storm-force winds** extend outwards up to **330 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.	
<b>12-Hour Forecast</b> 8:00 AM 22 July 2024	17.6	125.6	410 km East of Tuguegarao City, Cagayan	100	STS	NNW 10
<b>24-Hour Forecast</b> 8:00 PM 22 July 2024	18.4	125.4	400 km East of Aparri, Cagayan	120	TY	NNW 10
<b>36-Hour Forecast</b> 8:00 AM 23 July 2024	19.4	125.1	380 km East of Calayan, Cagayan	130	TY	NNW 10
<b>48-Hour Forecast</b> 8:00 PM 23 July 2024	21.0	124.8	310 km East of Itbayat, Batanes	150	TY	N 15
<b>60-Hour Forecast</b> 8:00 AM 24 July 2024	22.7	124.2	325 km Northeast of Itbayat, Batanes	155	TY	NNW 15
<b>72-Hour Forecast</b> 8:00 PM 24 July 2024	24.3	123.1	410 km North Northeast of Itbayat, Batanes	165	TY	NNW 15
<b>96-Hour Forecast</b> 8:00 AM 25 July 2024	26.6	120.7	655 km North of Itbayat, Batanes (OUTSIDE PAR)	155	TY	NW 15
<b>120-Hour Forecast</b> 8:00 PM 26 July 2024	29.6	117.3	1,080 km North Northwest of Extreme Northern Luzon or in the vicinity of Jingdzheng City, Jiangxi, China (OUTSIDE PAR)	90	STS	NW 20

Prepared by: *RPG*

Checked by: *RBB*

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>1</b> Wind threat: <b>Strong winds</b>	<b>The northeastern portion of Cagayan (Santa Ana)</b>	-	-
	Warning lead time: <b>36 hours</b> Range of wind speeds: <b>39 to 61 km/h (Beaufort 6 to 7)</b> Potential impacts of winds: <b>Minimal to minor threat to life and property</b>		

OTHER HAZARDS AFFECTING LAND AREAS
<p><b>Heavy Rainfall Outlook</b></p> <p><b>Forecast accumulated rainfall: Tonight to tomorrow (22 July) evening</b></p> <ul style="list-style-type: none"> <li><b>100-200 mm:</b> The extreme northeastern portion of mainland Cagayan</li> <li><b>50-100 mm:</b> Babuyan Islands and the eastern portions of mainland Cagayan and Isabela</li> </ul> <p><b>Forecast accumulated rainfall: Tomorrow evening to Tuesday (23 July) evening</b></p> <ul style="list-style-type: none"> <li><b>100-200 mm:</b> Babuyan Islands and the northeastern portion of mainland Cagayan</li> <li><b>50-100 mm:</b> Batanes, and the rest of mainland Cagayan</li> </ul> <p><b>Forecast accumulated rainfall: Tuesday evening to Wednesday (24 July) evening</b></p> <ul style="list-style-type: none"> <li><b>100-200 mm:</b> Batanes</li> <li><b>50-100 mm:</b> Babuyan Islands</li> </ul> <p><b>Forecast rainfall are generally higher in elevated or mountainous areas.</b> Under these conditions, <b>flooding and rain-induced landslides are possible</b> 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. 24 issued at 11:00 PM today.</p> <p><b>Severe Winds</b></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 <b>strong to gale-force gusts</b> over the following areas (especially in coastal and upland areas exposed to winds):</p> <ul style="list-style-type: none"> <li><b>Tonight to tomorrow evening:</b> MIMAROPA, Bicol Region, Western Visayas, Northern Samar, and the northern portion of Samar (province).</li> <li><b>Tomorrow evening to Tuesday evening:</b> Zambales, Bataan, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Visayas</li> <li><b>Tuesday evening to Wednesday evening:</b> Ilocos Region, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Visayas.</li> </ul>

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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 coastal waters along the northern and eastern seaboard of the country (1.5-3.5 m) and the western seaboard of Central and Southern Luzon (1.5-3.0 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.**

**TRACK AND INTENSITY OUTLOOK**

- Over the Philippine Sea, CARINA is forecast to move generally north northwestward to northward until Tuesday (23 July) while gradually accelerating before turning northwestward on Wednesday (24 July) 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) while moving near or over the islands in the Ryukyu archipelago. 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 24 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 AM tomorrow.

**DOST-PAGASA**