



## TROPICAL CYCLONE BULLETIN NR. 8

### Tropical Storm CARINA (GAEMI)

Issued at 5:00 PM, 21 July 2024

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

#### CARINA MAINTAINS ITS STRENGTH AS IT DECELERATES OVER THE PHILIPPINE SEA.

##### Location of Center (4:00 PM)

The center of Tropical Storm CARINA was estimated based on all available data at **365 km East Northeast of Casiguran, Aurora (16.9°N, 125.5°E)**

##### Intensity

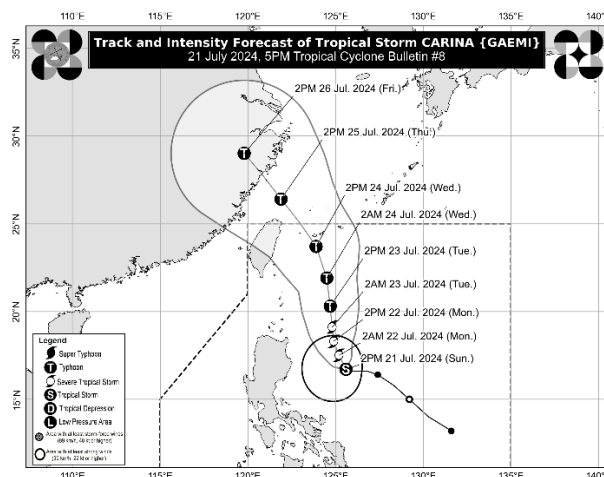
Maximum sustained winds of **85 km/h** near the center, gustiness of up to **115 km/h**, and central pressure of **996 hPa**

##### Present Movement

**Almost Stationary**

##### Extent of Tropical Cyclone Winds

**Strong to gale-force winds** extend outwards up to **260 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> 2:00 AM 22 July 2024	17.5	125.2	365 km East of Tuguegarao City, Cagayan	95	STS	NNW 10
<b>24-Hour Forecast</b> 2:00 PM 22 July 2024	18.3	124.9	345 km East of Aparri, Cagayan	100	STS	NNW 10
<b>36-Hour Forecast</b> 2:00 AM 23 July 2024	19.1	124.8	350 km East of Calayan, Cagayan	110	STS	N Slowly
<b>48-Hour Forecast</b> 2:00 PM 23 July 2024	20.3	124.7	285 km East of Basco, Batanes	120	TY	N 10
<b>60-Hour Forecast</b> 2:00 AM 24 July 2024	21.9	124.5	300 km East Northeast of Itbayat, Batanes	130	TY	N 15
<b>72-Hour Forecast</b> 2:00 PM 24 July 2024	23.7	123.9	390 km North Northeast of Itbayat, Batanes	140	TY	NNW 15
<b>96-Hour Forecast</b> 2:00 PM 25 July 2024	26.4	121.9	625 km North of Itbayat, Batanes (OUTSIDE PAR)	155	TY	NNW 15
<b>120-Hour Forecast</b> 2:00 PM 26 July 2024	29.0	119.8	935 km North Northwest of Extreme Northern Luzon (OUTSIDE PAR)	150	TY	NW 15



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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

###### **Forecast accumulated rainfall: Today to Tomorrow afternoon (22 July)**

- **100-200 mm:** The eastern portion of Cagayan and Babuyan Islands
- **50-100 mm:** The rest of mainland Cagayan and the northeastern portion of Isabela

###### **Forecast accumulated rainfall: Tomorrow afternoon to Tuesday afternoon (23 July)**

- **100-200 mm:** Batanes, the eastern portion of Cagayan, and Babuyan Islands
- **50-100 mm:** The rest of mainland Cagayan and the northeastern portion of Isabela

###### **Forecast accumulated rainfall: Tuesday afternoon (23 July) to Wednesday afternoon (24 July)**

- **100-200 mm:** Batanes
- **50-100 mm:** Babuyan Islands

**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.

Furthermore, the enhanced Southwest Monsoon will bring moderate to intense rainfall over various localities in the western portion of Luzon tomorrow through Tuesday. For more information, refer to Weather Advisory No. 23 issued at 11:00 AM today.

##### Severe Winds

The hoisting of Wind Signal No. 1 over Extreme Northern Luzon and northeastern portion of mainland Cagayan is not ruled out, possibly by tonight or tomorrow in anticipation of strong winds associated with CARINA.

The Southwest Monsoon that will be enhanced by CARINA and Tropical Storm PRAPIROON (formerly BUTCHOY) will bring **strong to gale-force gusts** over the following areas (especially in coastal and upland areas exposed to winds):

- **From today (21 July) to tomorrow afternoon (22 July):** MIMAROPA, Bicol Region, Western Visayas, Northern Samar, and the northern portion of Samar (province).
- **From tomorrow afternoon (22 July) to Tuesday afternoon (23 July):** Zambales, Bataan, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Visayas
- **From Tuesday afternoon (23 July) to Wednesday afternoon (24 July):** Ilocos Region, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Visayas.

#### 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), respectively.

**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.**



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#### TRACK AND INTENSITY OUTLOOK

- Over the Philippine Sea, CARINA is forecast to move generally north northwestward to northward from today until Tuesday (23 July). On the track forecast, CARINA will remain far from the Philippine landmass and exit the Philippine Area of Responsibility on Wednesday night (24 July) or Thursday early morning (25 July) while moving near the islands in the Ryukyu archipelago. Outside the PAR, CARINA will turn generally northwestward on Thursday (25 July) over the East China Sea.
- CARINA is forecast to steadily intensify over the next four days due to favorable environment. It is forecast to become a severe tropical storm by tonight and reach typhoon category tomorrow evening. **Rapid intensification within the forecast 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 11:00 PM today.


#### DOST-PAGASA

Prepared by:  PCDM

*"tracking the sky...helping the country."*

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