



TROPICAL CYCLONE BULLETIN NR. 12

Typhoon CARINA (GAEMI)

Issued at 5:00 PM, 22 July 2024

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

CARINA INTENSIFIES INTO A TYPHOON WHILE MEANDERING OVER THE PHILIPPINE SEA

Location of Center (4:00 PM)

The center of Typhoon CARINA was estimated based on all available data at **420 km East of Tuguegarao City, Cagayan (17.9°N, 125.7°E)**

Intensity

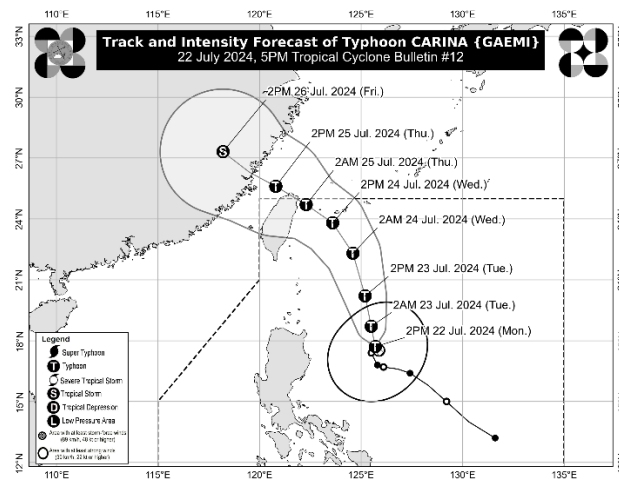
Maximum sustained winds of **120 km/h** near the center, gustiness of up to **150 km/h**, and central pressure of **980 hPa**

Present Movement

North Northeastward Slowly

Extent of Tropical Cyclone Winds

Strong to typhoon-force winds extend outwards up to **300 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 2:00 AM 23 July 2024	18.7	125.5	410 km East of Aparri, Cagayan	130	TY	N 10
24-Hour Forecast 2:00 PM 23 July 2024	20.2	125.2	340 km East of Basco, Batanes	150	TY	N 15
36-Hour Forecast 2:00 AM 24 July 2024	22.3	124.6	330 km East Northeast of Itbayat, Batanes	155	TY	NNW 20
48-Hour Forecast 2:00 PM 24 July 2024	23.8	123.6	380 km North Northeast of Itbayat, Batanes	165	TY	NNW 15
60-Hour Forecast 2:00 AM 25 July 2024	24.7	122.3	440 km North of Itbayat, Batanes	155	TY	NW 15
72-Hour Forecast 2:00 PM 25 July 2024	25.6	120.8	545 km North of Itbayat, Batanes (OUTSIDE PAR)	150	TY	WNW 15
96-Hour Forecast 2:00 PM 26 July 2024	27.3	118.2	815 km North Northwest of Extreme Northern Luzon (OUTSIDE PAR)	85	TS	NW 15



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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
<u>Heavy Rainfall Outlook</u> Forecast accumulated rainfall: Today to Tomorrow afternoon (23 July) <ul style="list-style-type: none">100-200 mm: The extreme northeastern portion of mainland Cagayan50-100 mm: Babuyan Islands and the eastern portions of mainland Cagayan and Isabela Forecast accumulated rainfall: Tomorrow afternoon (23 July) to Wednesday afternoon (24 July) <ul style="list-style-type: none">100-200 mm: Batanes50-100 mm: Babuyan Islands and the northeastern portion of mainland Cagayan Forecast accumulated rainfall: Wednesday afternoon (24 July) to Thursday afternoon (25 July) <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> <u>Severe Winds</u> Minimal to minor impacts due to strong winds may be experienced within any of the localities where Wind Signal No. 1 is hoisted. <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, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and VisayasTomorrow: Ilocos Region, Zambales, Bataan, Aurora, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Visayas, Zamboanga Peninsula, and Davao RegionWednesday: Ilocos Region, Abra, Benguet, Apayao, Nueva Vizcaya, Quirino, Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Northern Samar, and the northern portion of Samar.



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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 seabords of Luzon (2.0 to 4.0 m) and western seabords 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 seabords 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 north northwestward 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 (24 July) 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. **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 11:00 PM today.

DOST-PAGASA