



TROPICAL CYCLONE BULLETIN NR. 19
Typhoon CARINA (GAEMI)

Issued at 11:00 AM, 24 July 2024

Valid for broadcast until the next bulletin at 5:00 PM today.

TYPHOON "CARINA" CONTINUES TO INTENSIFY WHILE HEADING TOWARDS TAIWAN

Location of Center (10:00 AM)

The center of the eye of Typhoon CARINA was estimated based on all available data at **345 km North Northeast of Itbayat, Batanes (23.7°N, 123.0°E)**

Intensity

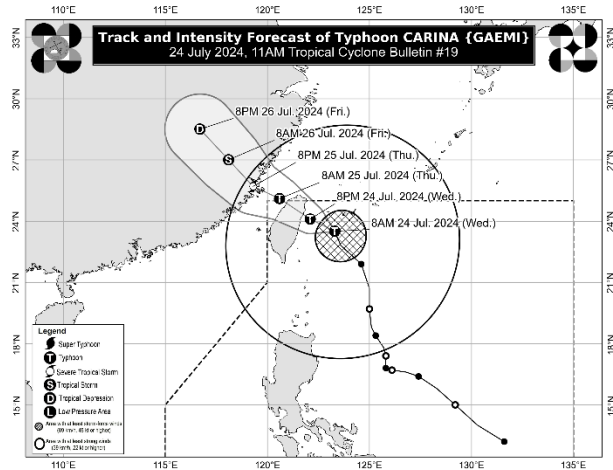
Maximum sustained winds of **165 km/h** near the center, gustiness of up to **205 km/h**, and central pressure of **940 hPa**

Present Movement

North Northwestward at 15 km/h

Extent of Tropical Cyclone Winds

Strong to typhoon-force winds extend outwards up to **700 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 PM 24 July 2024	24.1	122.1	370 km North of Itbayat, Batanes	175	TY	WNW 10
24-Hour Forecast 8:00 AM 25 July 2024	25.1	120.6	495 km North Northwest of Itbayat, Batanes (OUTSIDE PAR)	130	TY	NW 15
36-Hour Forecast 8:00 PM 25 July 2024	25.7	119.3	605 km North Northwest of Itbayat, Batanes or in the vicinity of Fujian, China (OUTSIDE PAR)	110	STS	WNW 10
48-Hour Forecast 8:00 AM 26 July 2024	27.0	118.1	790 km North Northwest of Itbayat, Batanes or in the vicinity of Fujian, China (OUTSIDE PAR)	75	TS	NW 15
60-Hour Forecast 8:00 PM 26 July 2024	28.5	116.7	1,005 km North Northwest of Extreme Northern Luzon or in the vicinity of Jiangxi, China (OUTSIDE PAR)	55	TD	NW 20

TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT

TCWS No.	Luzon	Visayas	Mindanao
2	Batanes	-	-
Wind threat: Gale-Force winds	Warning lead time: 24 hours Range of wind speeds: 62 to 88 km/h (Beaufort 8 to 9) Potential impacts of winds: Minor to moderate threat to life and property		

Prepared by: PCDM

Checked by: CFP

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	Babuyan Islands, the northern portion of mainland Cagayan (Claveria, Santa Praxedes, Sanchez-Mira, Pamplona, Abulug, Ballesteros, Aparri, Camalaniugan, Buguey, Santa Teresita, Santa Ana, Gonzaga), and the northern portion of Ilocos Norte (Burgos, Bangui, Pagudpud, Dumalneg, Adams)	-	-
	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
<p><u>Heavy Rainfall Outlook</u></p> <p>Forecast accumulated rainfall: From today to tomorrow noon</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 Southwest Monsoon enhanced by CARINA will bring moderate to intense rainfall over various localities in the western portion of Luzon today through Friday. For more information, refer to Weather Advisory No. 29 issued at 11:00 AM today.</p> <p><u>Severe Winds</u></p> <p>The wind signals warn the public of the general wind threat over an area due to the tropical cyclone. Local winds may be slightly stronger/enhanced in coastal and upland/mountainous areas exposed to winds. Winds are less strong in areas sheltered from the prevailing wind direction.</p> <ul style="list-style-type: none"> Minor to moderate impacts from strong winds are possible within any of the localities where Wind Signal No. 2 is hoisted. Minimal to minor impacts from strong winds are possible within any of the areas under Wind Signal No. 1. <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: Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Quirino, the eastern portion of Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Visayas, Zamboanga Peninsula, Northern Mindanao, BARMM, and Davao Region Thursday (25 July): Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Quirino, the eastern portion of Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Negros Occidental, and Northern Samar Friday (26 July): Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Quirino, the eastern portion of Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Western Visayas.

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HAZARDS AFFECTING COASTAL WATERS

- **Gale Warning is in effect over the coastal waters of Batanes, Babuyan Islands, and the northern portion of Ilocos Norte and Cagayan. Sea travel is risky for small seacrafts, including all types of motorbancas.** For more information, refer to Gale Warning No. 4 (Intermediate) issued at 11:00 AM today.
- In the next 24 hours, CARINA and the enhanced Southwest Monsoon will bring **rough seas** over the seaboard of Northern Luzon (2.5 to 4.0 m) outside Gale Warning areas, and the western seaboard of Central Luzon (2.5 to 4.0 m). **Moderate to rough seas** are also expected over the western seaboard of Southern Luzon (1.5 to 3.5 m) and the eastern seaboard of Central and Southern Luzon (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 southern seaboard of Southern Luzon (1.5 to 2.5 m), the western and eastern seaboard of Visayas, and the eastern seaboard of 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 navigation under these conditions.**

TRACK AND INTENSITY OUTLOOK


- CARINA is forecast to make landfall over the northern portion of Taiwan this evening or tomorrow early morning. On the track forecast, the typhoon will cross the rugged terrain of Taiwan and exit the Philippine Area of Responsibility (PAR) tomorrow (25 July) morning. Outside the PAR Region, CARINA will cross the Taiwan Strait and make its final landfall over southeastern China tomorrow afternoon or evening.
- CARINA is forecast to steadily intensify and may reach its peak intensity prior to its landfall over Taiwan due to favorable environment. Its landfall over northern Taiwan will trigger a weakening trend for the rest of the forecast period. **Possibility of reaching Super Typhoon category prior to landfall in Taiwan 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 5:00 PM today.

DOST-PAGASA

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