



TROPICAL CYCLONE BULLETIN NR. 1
Tropical Depression CARINA

Issued at 11:00 PM, 19 July 2024

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

THE LOW PRESSURE AREA OVER THE PHILIPPINE SEA DEVELOPED INTO TROPICAL DEPRESSION “CARINA”.

Location of Center (10:00 PM)

The center of Tropical Depression CARINA was estimated based on all available data at **780 km East of Virac, Catanduanes (13.3°N, 131.4°E)**

Intensity

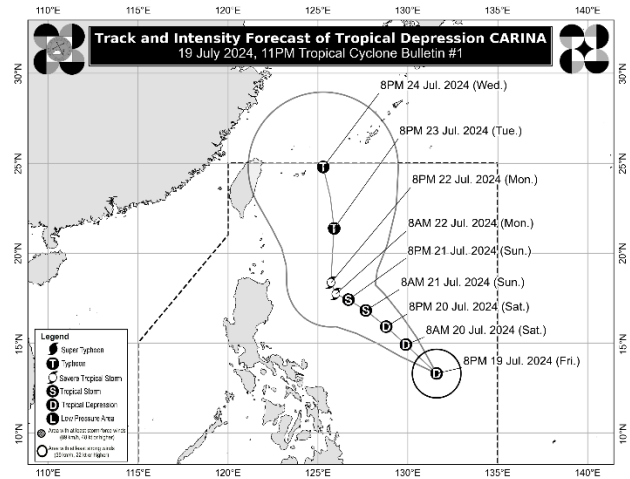
Maximum sustained winds of **45 km/h** near the center, gustiness of up to **55 km/h**, and central pressure of **1006 hPa**

Present Movement

West northwestward at 20 km/h

Extent of Tropical Cyclone Winds

Strong winds extend outwards up to **150 km** from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position		Location	Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)		MSW (km/h)	Cat.	
12-Hour Forecast 8:00 AM 20 July 2024	14.9	129.9	630 km East Northeast of Virac, Catanduanes	45	TD	NW 20
24-Hour Forecast 8:00 PM 20 July 2024	15.9	128.8	715 km East of Casiguran, Aurora	55	TD	NW 15
36-Hour Forecast 8:00 AM 21 July 2024	16.8	127.7	595 km East of Casiguran, Aurora	65	TS	NW 15
48-Hour Forecast 8:00 PM 21 July 2024	17.4	126.7	525 km East of Tuguegarao City, Cagayan	85	TS	WNW 10
60-Hour Forecast 8:00 AM 22 July 2024	17.7	126.0	450 km East of Tuguegarao City, Cagayan	100	STS	WNW Slowly
72-Hour Forecast 8:00 PM 22 July 2024	18.4	125.7	430 km East of Aparri, Cagayan	110	STS	NNW Slowly
96-Hour Forecast 8:00 PM 23 July 2024	21.4	125.9	425 km East of Itbayat, Batanes	130	TY	N 15
120-Hour Forecast 8:00 PM 24 July 2024	24.8	125.3	570 km Northeast of Itbayat, Batanes or in the vicinity of Miyako Island, Okinawa, Japan	140	TY	N 15

Prepared by: *RPG*

Checked by: *RBB*

“tracking the sky...helping the country.”



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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

- **Heavy rainfall directly caused by CARINA remains less likely over next three days.** However, there may be changes in the current forecast scenario in the succeeding bulletins, which may affect the heavy rainfall outlook within the forecast period.
- The Southwest Monsoon currently enhanced by Tropical Depression BUTCHOY will also be enhanced by CARINA beginning on Sunday (21 July), resulting in moderate to heavy rains over the western portion of Luzon over the next three days. For more information, refer to Weather Advisory No. 20 issued at 11:00 PM today.

HAZARDS AFFECTING COASTAL WATERS

CARINA and the Southwest Monsoon will bring moderate seas (1.0-2.0 m) over the coastal waters along the eastern seaboard of Mindanao. **Mariners of motor bancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea and, if possible, avoid navigating in these conditions, especially if inexperienced or operating ill-equipped vessels.**

TRACK AND INTENSITY OUTLOOK

- CARINA is forecast to move generally northwestward until Sunday (21 July). It is then forecast to decelerate while turning north northwestward on Monday (22 July) before accelerating northward over the Philippine Sea towards the Ryukyu archipelago from Tuesday (23 July) onwards. In general, CARINA will generally have a mainly offshore path over the next five days and remain far from the Philippine landmass.
- CARINA is forecast to slowly intensify until Sunday, and is forecast to reach tropical storm category by Sunday. Beginning on Monday, the tropical cyclone will likely intensify further at a faster rate, eventually reaching typhoon category on Tuesday.

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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