



TROPICAL CYCLONE BULLETIN NR. 16
Typhoon MARCE (YINXING)

Issued at 2:00 AM, 07 November 2024

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

“MARCE” MAINTAINS ITS STRENGTH AS IT ACCELERATES TOWARD THE NORTHERN MAINLAND CAGAYAN-BABUYAN ISLANDS AREA.

Location of Center (1:00 AM)

The center of the eye of Typhoon MARCE was estimated based on all available data at **210 km East of Aparri, Cagayan (18.2°N, 123.6°E)**

Intensity

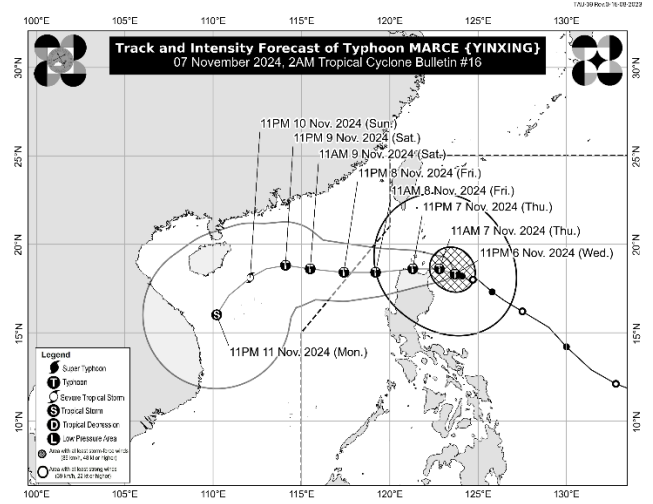
Maximum sustained winds of **155 km/h** near the center, gustiness of up to **190 km/h**, and central pressure of **955 hPa**

Present Movement

West northwestward at 15 km/h


Extent of Tropical Cyclone Winds

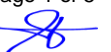
Strong to typhoon-force winds extend outwards up to **560 km** from the center



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 11:00 AM 07 November 2024 | 18.6 | 122.8 | Over the coastal waters of Santa Ana, Cagayan | 155 | TY | WNW 10 |
| 24-Hour Forecast 11:00 PM 07 November 2024 | 18.6 | 121.3 | Over the coastal waters of Sanchez-Mira, Cagayan | 150 | TY | W 15 |
| 36-Hour Forecast 11:00 AM 08 November 2024 | 18.4 | 119.2 | 145 km West of Laoag City, Ilocos Norte | 140 | TY | W 20 |
| 48-Hour Forecast 11:00 PM 08 November 2024 | 18.4 | 117.4 | 330 km West of Laoag City, Ilocos Norte (OUTSIDE PAR) | 140 | TY | W 15 |
| 60-Hour Forecast 11:00 AM 09 November 2024 | 18.6 | 115.5 | 535 km West of Laoag City, Ilocos Norte (OUTSIDE PAR) | 130 | TY | W 15 |
| 72-Hour Forecast 11:00 PM 09 November 2024 | 18.8 | 114.1 | 685 km West of Laoag City, Ilocos Norte (OUTSIDE PAR) | 120 | TY | W 10 |
| 96-Hour Forecast 11:00 PM 10 November 2024 | 18.1 | 112.1 | 890 km West of Northern Luzon (OUTSIDE PAR) | 100 | STS | WSW 10 |
| 120-Hour Forecast 11:00 PM 11 November 2024 | 16.0 | 110.2 | 1,085 km West of Central Luzon (OUTSIDE PAR) | 75 | TS | SW 15 |

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Checked by:  SFD

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| TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT | | | |
|--|---|---------|----------|
| TCWS No. | Luzon | Visayas | Mindanao |
| 4 Wind threat: Typhoon-force winds | The northeastern portion of mainland Cagayan (Gonzaga, Santa Ana, Santa Teresita, Lal-Lo, Buguey, Aparri, Camalaniugan) and the southeastern portion of Babuyan Islands (Camiguin Is.) | - | - |
| | Warning lead time: 12 hours Range of wind speeds: 118 to 184 km/h (Beaufort 12) Potential impacts of winds: Significant to severe threat to life and property | | |
| 3 Wind threat: Storm-force winds | The southern portion of Batanes (Mahatao, Uyugan, Basco, Ivana, Sabtang), the rest of Babuyan Islands, the rest of Cagayan, Apayao, and the northern portion of Ilocos Norte (Pagudpud, Dumalneg, Adams, Bangui, Burgos, Vintar, Carasi, Pasuquin) | - | - |
| | Warning lead time: 18 hours Range of wind speeds: 89 to 117 km/h (Beaufort 10 to 11) Potential impacts of winds: Moderate to significant threat to life and property | | |
| 2 Wind threat: Gale-force winds | The rest of Batanes, the northern and central portions of Isabela (San Pablo, Santa Maria, Divilacan, Tumaui, Maconacon, Cabagan, Santo Tomas, Quezon, Palanan, Ilagan City, Mallig, Delfin Albano, Quirino, San Mariano, Gamu, Roxas, Naguilian, Burgos, Reina Mercedes, Benito Soliven, Luna, Aurora, San Manuel, San Mateo, Alicia, Angadanan, City of Cauayan, Cabatuan), Abra, Kalinga, Mountain Province, the northern portion of Ifugao (Alfonso Lista, Aguinaldo, Mayoyao, Banaue, Hungduan), the rest of Ilocos Norte, and the northern and central portions of Ilocos Sur (Sinait, Cabugao, San Juan, Magsingal, Santo Domingo, Bantay, San Ildefonso, San Vicente, Santa Catalina, City of Vigan, Narvacan, Caoayan, Santa, Nagbukel, Santa Maria, San Esteban, Santiago, Burgos, Banayoyo, Lidlidda, San Emilio, City of Candon, Salcedo, Galimuyod, Santa Lucia, Gregorio del Pilar, Quirino, Sigay, Cervantes, Suyu, Santa Cruz) | - | - |
| | 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 | | |
| 1 Wind threat: Strong winds | The rest of Ilocos Sur, La Union, Pangasinan, the rest of Ifugao, Benguet, the rest of Isabela, Quirino, Nueva Vizcaya, the northern and central portions of Aurora (Dilasag, Casiguran, Dinalungan, Dipaculao, Maria Aurora, Baler), the northern portion of Nueva Ecija (Carranglan), and the northern portion of Zambales (Santa Cruz, Candelaria) | - | - |
| | 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 | | |

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OTHER HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Refer to Weather Advisory No. 13 issued at 2:00 AM today for the Heavy Rainfall Outlook associated with MARCE.

Severe Winds

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.

- **Significant to severe impacts** from typhoon-force winds are possible within any of the areas under Wind Signal No. 4.
- **Moderate to significant impacts** from gale-force winds are possible within any of the areas under Wind Signal No. 3.
- **Minor to moderate impacts** from gale-force winds are possible within any of the areas under Wind Signal No. 2.
- **Minimal to minor impacts** from strong winds are possible within any of the areas under Wind Signal No. 1.

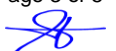
Furthermore, the northeasterly wind flow and the periphery of MARCE will also bring **strong to gale-force gusts** over the following areas (especially in coastal and upland areas exposed to winds):

- **Today (7 November):** Zambales, Bataan, and Polillo Islands
- **Tomorrow (8 November):** Batanes, Cagayan including Babuyan Islands, the eastern portion of Isabela, and Ilocos Region.
- **Saturday (9 November):** Batanes, Babuyan Islands, and Ilocos Region.

Coastal Inundation

There is a **high risk of life-threatening storm surge with peak surge heights exceeding 3.0 m** above normal tide levels in the next 48 hours over the low-lying or exposed coastal localities of Batanes, Cagayan including Babuyan Islands, Isabela, Ilocos Norte, Ilocos Sur, and La Union. **Refer to Storm Surge Warning No. 7 issued at 2:00 AM today for the details.**


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HAZARDS AFFECTING COASTAL WATERS

A Gale Warning is hoisted over the seaboard of Northern Luzon and the eastern seaboard of Central Luzon. For more information, refer to Gale Warning No. 6A issued at 11:00 PM yesterday.

24-Hour Sea Condition Outlook

Up to very rough, high, or very high seas over the following coastal waters:

- **Up to 12.0 m:** The seaboard of Babuyan Islands, the northern seaboard of mainland Cagayan
- **Up to 10.0 m:** The northern seaboard of Ilocos Norte
- **Up to 8.0 m:** The seaboard of Batanes; the remaining seaboard of mainland Cagayan.
- **Up to 7.0 m:** The remaining seaboard of Ilocos Norte; the seaboard of Isabela
- **Up to 6.0 m:** The seaboard of Ilocos Sur
- **Up to 5.0 m:** The remaining seaboard of Ilocos Region
- **Up to 4.5 m:** The seaboard of northern Zambales and northern Aurora

Sea travel is risky for all types or tonnage of vessels. All mariners must remain in port or, if underway, seek shelter or safe harbor as soon as possible until winds and waves subside.

Up to rough seas over the following coastal waters:

- **Up to 4.5 m:** The seaboard of Kalayaan Islands
- **Up to 3.5 m:** The northern and eastern seaboard of Polillo Islands; the seaboard of Camarines Norte; the northern seaboard of Catanduanes and Camarines Sur; the remaining seaboard of Zambales.
- **Up to 3.0 m:** The eastern seaboard of Catanduanes; the seaboard of northern Quezon.

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.

Up to moderate seas over the following coastal waters:

- **Up to 2.5 m:** The northern and eastern seaboard of Northern Samar; the eastern seaboard of Albay, Sorsogon, and Eastern Samar; the western seaboard of Bataan, Lubang Islands, Palawan including Calamian Islands;
- **Up to 2.0 m:** The western seaboard of Occidental Mindoro; the eastern seaboard of Camarines Sur and Dinagat Islands

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.



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TRACK AND INTENSITY OUTLOOK


- MARCE is forecast to move west northwestward for the next 12 hours over the waters east of Cagayan before turning westward from this afternoon until Saturday (9 November). On the forecast track, **MARCE will make landfall and traverse Babuyan Islands and/or the northern portions of mainland Cagayan, Ilocos Norte, and Apayao (or pass very close to these areas) from this afternoon until tomorrow (8 November) early morning.** MARCE may exit the Philippine Area of Responsibility (PAR) region tomorrow evening. The surge of the northeasterly wind flow will result in a more southwestward movement during the weekend.
- MARCE is forecast to maintain its strength for the next 12 hours as it approaches the northern portion of Cagayan. Slight weakening may be expected starting this afternoon due to possible interaction with the terrain of mainland Luzon during the landfall or close approach of MARCE, although it will remain as a typhoon throughout its passage within the PAR region. The surge of the northeasterly wind flow will trigger a continuous period of weakening during the weekend.

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 today.

DOST-PAGASA


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