



TROPICAL CYCLONE BULLETIN NR. 15
Typhoon MARCE (YINXING)

Issued at 11:00 PM, 06 November 2024

Valid for broadcast until the next bulletin at 2:00 AM tomorrow.

“MARCE” FURTHER INTENSIFIES AS IT MOVES WEST NORTHWESTWARD TOWARD THE NORTHERN MAINLAND CAGAYAN-BABUYAN ISLANDS AREA.

Location of Center (10:00 PM)

The center of the eye of Typhoon MARCE was estimated based on all available data at **240 km East of Aparri, Cagayan (18.3°N, 123.9°E)**

Intensity

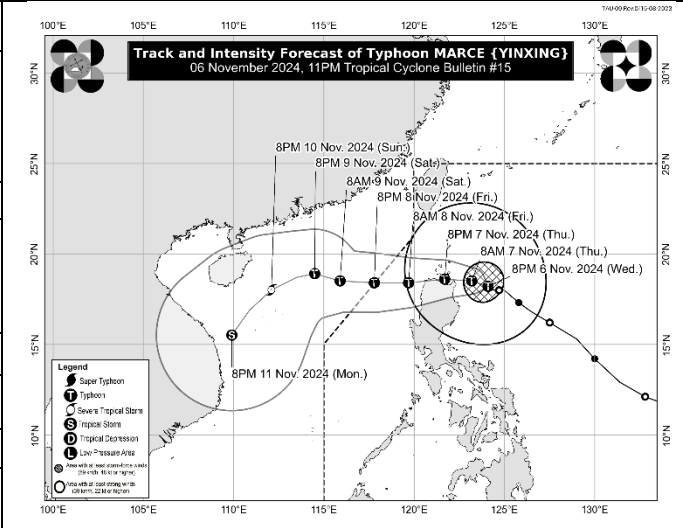
Maximum sustained winds of **155 km/h** near the center, gustiness of up to **190 km/h**, and central pressure of **955 hPa**

Present Movement

West northwestward at 10 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			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 AM 07 November 2024	18.5	123.2	165 km East of Aparri, Cagayan	155	TY	WNW 10
24-Hour Forecast 8:00 PM 07 November 2024	18.6	121.7	Over the coastal waters of Aparri, Cagayan	150	TY	W 15
36-Hour Forecast 8:00 AM 08 November 2024	18.4	119.7	90 km West Northwest of Laoag City, Ilocos Norte (OUTSIDE PAR)	140	TY	W 20
48-Hour Forecast 8:00 PM 08 November 2024	18.4	117.8	290 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	140	TY	W 15
60-Hour Forecast 8:00 AM 09 November 2024	18.5	115.9	490 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	130	TY	W 15
72-Hour Forecast 8:00 PM 09 November 2024	18.9	114.5	640 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	120	TY	WNW 15
96-Hour Forecast 8:00 PM 10 November 2024	18.0	112.1	885 km West of Northern Luzon (OUTSIDE PAR)	100	STS	WSW 10
120-Hour Forecast 8:00 PM 11 November 2024	15.5	109.9	1,080 km West of Northern Luzon (OUTSIDE PAR)	75	TS	SW 15

Prepared by:  PCDM

Checked by:  SFD

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
3 Wind threat: Storm-force winds	The northern and central portions of mainland Cagayan (Santa Ana, Gonzaga, Lal-Lo, Santa Teresita, Buguey, Aparri, Camalaniugan, Allacapan, Gattaran, Lasam, Ballesteros, Baggao, Alcalá, Santo Niño, Rizal, Abulug, Pamplona, Sanchez-Mira, Claveria, Santa Praxedes) including Babuyan Islands, and the eastern portion of Apayao (Flora, Santa Marcela, Luna, Pudtol)	-	-
	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	Batanes, the rest of mainland Cagayan, the northern and central portions of Isabela (San Pablo, Santa Maria, Divilacan, Tumauni, 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), the rest of Apayao, Abra, Kalinga, the eastern and central portions of Mountain Province (Paracelis, Natonin, Barlig, Sadanga), Ilocos Norte, and the northern portion 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)	-	-
	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, the northern portion of Pangasinan (Bani, Bolinao, Anda, City of Alaminos, Agno, Sual, Labrador, Burgos, Mabini, Lingayen, Binmaley, Dagupan City, Mangaldan, San Fabian, San Jacinto, Pozorrubio, Sison, San Manuel, San Nicolas, Natividad, San Quintin, Tayug, Santa Maria, Binalonan, Asingan, Laoac, Manaoag, Mapandan, Santa Barbara, Calasiao, City of Urduyeta), the rest of Mountain Province, Ifugao, Benguet, the rest of Isabela, Quirino, Nueva Vizcaya, the northern portion and central portions of Aurora (Dilasag, Casiguran, Dinalungan, Dipaculao, Maria Aurora, Baler), and the northern portion of Nueva Ecija (Carranglan)	-	-
	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>Heavy Rainfall Outlook</p> <p>Refer to Weather Advisory No. 12 issued at 11:00 PM today for the Heavy Rainfall Outlook associated with MARCE.</p> <p>Severe Winds</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"> • 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. <p>The highest Wind Signal which may be hoisted during the occurrence of MARCE is Wind Signal No. 4.</p>

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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):

- **Tomorrow (7 November):** Zambales, Bataan, and Polillo Islands
- **Friday (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. 6 issued at 8:00 PM today for the details.**

HAZARDS AFFECTING COASTAL WATERS

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

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 seaboards 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 seaboards of Kalayaan Islands
- **Up to 3.5 m:** The northern and eastern seaboards of Polillo Islands; the seaboards of Camarines Norte; the northern seaboards 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 seaboards of Northern Samar; the eastern seaboards of Albay, Sorsogon, and Eastern Samar; the western seaboards of Bataan, Lubang Islands, Palawan including Calamian Islands;
- **Up to 2.0 m:** The western seaboards 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 generally west northwestward tonight until tomorrow (7 November) morning over the waters east of Cagayan before gradually accelerating westward tomorrow afternoon through Saturday (9 November) over the Babuyan Channel and the northern portion of the West Philippine Sea. 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 tomorrow afternoon to Friday (8 November) early morning.** MARCE may exit the Philippine Area of Responsibility (PAR) region on Friday evening. The surge of the northeasterly wind flow will result a more southwestward movement during the weekend.
- MARCE may have reached its peak intensity. Slight weakening is expected 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 2:00 AM tomorrow.

DOST-PAGASA


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