



TROPICAL CYCLONE BULLETIN NR. 20
Typhoon MARCE (YINXING)

Issued at 2:00 PM, 07 November 2024

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

“MARCE” IS ABOUT TO MAKE LANDFALL IN SANTA ANA, CAGAYAN AND IS NEAR SUPER TYPHOON STRENGTH

Location of Center (1:00 PM)

The center of the eye of Typhoon MARCE was estimated based on all available data over the coastal waters of Santa Ana, Cagayan (**18.5°N, 122.5°E**)

Intensity

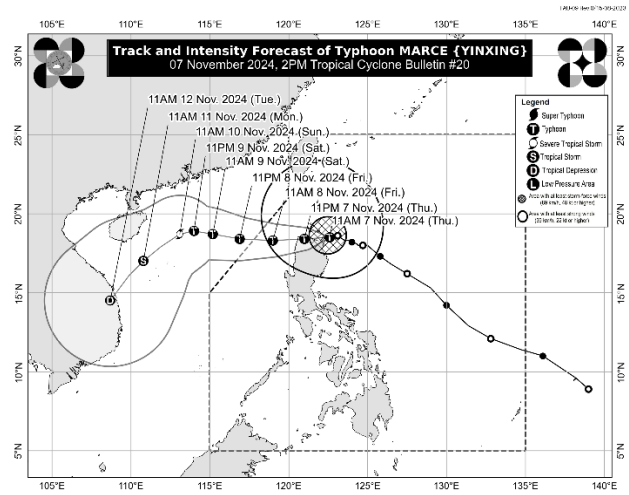
Maximum sustained winds of **175 km/h** near the center, gustiness of up to **240 km/h**, and central pressure of **940 hPa**

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 11:00 PM 07 November 2024	18.4	121.0	In the vicinity of Calanasan, Apayao	165	TY	W 15
24-Hour Forecast 11:00 AM 08 November 2024	18.3	119.0	165 km West of Laoag City, Ilocos Norte	150	TY	W 20
36-Hour Forecast 11:00 PM 08 November 2024	18.4	116.9	385 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	140	TY	W 20
48-Hour Forecast 11:00 AM 09 November 2024	18.7	115.2	565 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	130	TY	W 15
60-Hour Forecast 11:00 PM 09 November 2024	18.9	114.0	785 km West of Calayan, Cagayan (OUTSIDE PAR)	120	TY	W 10
72-Hour Forecast 11:00 AM 10 November 2024	18.7	113.1	785 km West of Laoag City, Ilocos Norte (OUTSIDE PAR)	110	STS	WSW 10
96-Hour Forecast 11:00 AM 11 November 2024	17.0	110.8	1,020 km West of Northern Luzon (OUTSIDE PAR)	85	TS	SW 15
120-Hour Forecast 11:00 AM 12 November 2024	14.5	108.7	1,245 km West of Central Luzon or in the vicinity of Binh Dinh, Vietnam (OUTSIDE PAR)	55	TD	SW 15

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
4 Wind threat: Typhoon-force winds	The northern portion of Cagayan (Gonzaga, Santa Ana, Santa Teresita, Lal-Lo, Buguey, Aparri, Camalaniugan, Gattaran, Ballesteros, Allacapan, Abulug, Pamplona, Sanchez-Mira, Claveria, Santa Praxedes, Lasam) including Babuyan Islands, the northern portion of Apayao (Santa Marcela, Luna, Flora, Calanasan, Pudtol), and the northern portion of Ilocos Norte (Pagudpud, Bangui, Vintar, Dumalneg, Adams, Bacarra, Pasuquin, Burgos)	-	-
	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	Batanes, the rest of Cagayan, the rest of Apayao, the rest of Ilocos Norte, the northern portion of Abra (Tineg, Danglas, Lagayan, Lacub, San Juan, La Paz, Bangued), and the northern portion of Ilocos Sur (Sinait, Cabugao, San Juan, Magsingal, Santo Domingo)	-	-
	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 northern and central portions of Isabela (San Pablo, Santa Maria, Divilacan, Tumauini, 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), the rest of Abra, Kalinga, Mountain Province, the northern portion of Ifugao (Alfonso Lista, Aginaldo, Mayoyao, Banaue, Hungduan), the northern portion of Benguet (Bakun, Mankayan), the rest of Ilocos Sur, and the northern portion of La Union (Sudipen, Bangar, Balaoan, Luna, Santol)	-	-
	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 La Union, Pangasinan, the rest of Ifugao, the rest of 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. 17 issued at 2:00 PM 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, Isabela, and Ilocos Region.
- **Saturday (9 November):** Batanes and Babuyan Islands

Coastal Inundation

There is a **high risk of life-threatening storm surge with peak surge heights exceeding 3.0 m** 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. 8 issued at 8:00 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 Central Luzon. For more information, refer to Gale Warning No. 7 issued at 5:00 AM 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 and Ilocos Norte; the northern seaboard of mainland Cagayan.
- **Up to 8.0 m:** The remaining seaboard of Cagayan.
- **Up to 7.0 m:** The seaboard of Batanes and northern Ilocos Sur.
- **Up to 6.0 m:** The remaining seaboard of Ilocos Sur; the seaboard of Isabela.
- **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 4.0 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; the remaining seaboard of Aurora; the western seaboard of Bataan, Lubang Islands, mainland Palawan, and Calamian Islands.

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.
- **Up to 2.0 m:** The western seaboard of Occidental Mindoro; the eastern seaboard of Camarines Sur, Dinagat Islands, and Surigao del Sur

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

- **MARCE will be making landfall in Santa Ana, Cagayan between 2:00 PM and 4:00 PM today.** Afterwards, the typhoon will move generally westward, briefly emerge over Aparri Bay, and make another landfall along the coast of northwestern mainland Cagayan. MARCE will emerge over the West Philippine Sea tomorrow (8 November) early morning.
- Regardless of the position of the center of the eye in the next several hours, **it must be emphasized that potentially life threatening conditions due to typhoon-force winds, storm surge inundation, and torrential rainfall will be experienced in the Babuyan Islands and the northern portions of mainland Cagayan, Ilocos Norte, and Apayao**
- After crossing the northern portion of Northern Luzon, will continue moving generally westward and exit the Philippine Area of Responsibility (PAR) region tomorrow afternoon or evening. The surge of the northeasterly wind flow will result in a generally southwestward movement beginning on Sunday (10 November).
- **Landfall at peak intensity is expected. Reaching super typhoon category is not ruled out, although this will be for a brief period only.** A weakening may be expected within the day due to interaction with the terrain of mainland Luzon during the landfall or close approach period and the possible dry air intrusion from the prevailing northeasterly windflow. Nevertheless, 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 PM today.

DOST-PAGASA

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