



TROPICAL CYCLONE BULLETIN NR. 8
Tropical Storm KRISTINE (TRAMI)

Issued at 11:00 PM, 22 October 2024

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

“KRISTINE” MAINTAINS ITS STRENGTH AS IT MOVES NORTHWESTWARD OVER THE SEA EAST OF BICOL REGION.

Location of Center (10:00 PM)

The center of Tropical Storm KRISTINE was estimated based on all available data at **345 km East Northeast of Daet, Camarines Norte** or **475 km East of Infanta, Quezon (14.9°N, 126.1°E)**

Intensity

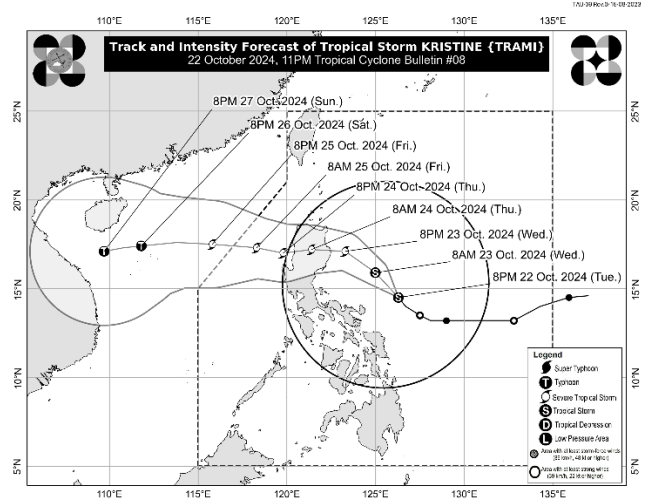
Maximum sustained winds of **75 km/h** near the center, gustiness of up to **90 km/h**, and central pressure of **990 hPa**

Present Movement

Northwestward at 10 km/h

Extent of Tropical Cyclone Winds

Strong to gale-force winds extend outwards up to **760 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 23 October 2024	15.9	125.0	310 km East of Casiguran, Aurora	85	TS	NW 15
24-Hour Forecast 8:00 PM 23 October 2024	17.1	123.3	175 km East Northeast of Echague, Isabela	95	STS	NW 20
36-Hour Forecast 8:00 AM 24 October 2024	17.2	121.4	In the vicinity of Paracelis, Mountain Province	100	STS	W 15
48-Hour Forecast 8:00 PM 24 October 2024	17.0	119.8	70 km West Northwest of Bacnotan, La Union	95	STS	W 15
60-Hour Forecast 8:00 AM 25 October 2024	17.3	118.3	230 km West Northwest of Bacnotan, La Union	95	STS	W 15
72-Hour Forecast 8:00 PM 25 October 2024	17.5	115.8	495 km West of Sinait, Ilocos Sur (OUTSIDE PAR)	95	STS	W 20
96-Hour Forecast 8:00 PM 26 October 2024	17.4	111.8	920 km West of Northern Luzon (OUTSIDE PAR)	120	TY	W 20
120-Hour Forecast 8:00 PM 27 October 2024	17.1	109.7	1,140 km West of Northern Luzon (OUTSIDE PAR)	130	TY	W 10

Prepared by: *PCDM*

Checked by: *BJNE*

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<p>2</p> <p>Wind threat: Gale-force winds</p>	<p>The southern portion of mainland Cagayan (Peñablanca, Enrile, Tuguegarao City), Isabela, the northeastern portion of Quirino (Maddela), the northeastern portion of Aurora (Dinalungan, Casiguran, Dilasag), Catanduanes, the eastern portion of Camarines Norte (Basud, Daet, Talisay, Vinzons, Paracale, Mercedes), the eastern portion of Camarines Sur (Caramoan, Presentacion, Garchitorea, Tinambac, Siruma, Lagonoy, Goa, San Jose, Saglay, Tigaon), the eastern portion of Albay (Rapu-Rapu, Bacacay, City of Tabaco, Malilipot, Malinao, Tiwi) and the eastern portion of Sorsogon (Barcelona, Gubat, Prieto Diaz)</p>	<p>The northeastern portion of Northern Samar (Palapag, Mapanas, Gamay, Laoang, Catubig, Lapinig, Pambujan, San Roque) and the northern portion of Eastern Samar (Jipapad, San Policarpo, Arteche)</p>	-
	<p>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</p>		
<p>1</p> <p>Wind threat: Strong winds</p>	<p>Ilocos Norte, Ilocos Sur, La Union, Pangasinan, Apayao, Kalinga, Abra, Mountain Province, Ifugao, Benguet, Batanes, the rest of Cagayan including Babuyan Islands, the rest of Quirino, Nueva Vizcaya, the rest of Aurora, Nueva Ecija, Tarlac, Zambales, Bataan, Pampanga, Bulacan, Metro Manila, Cavite, Laguna, Batangas, Rizal, Quezon including Pollilo Islands, Occidental Mindoro including Lubang Islands, Oriental Mindoro, Masbate including Ticao and Burias Islands, Marinduque, Romblon, the rest of Camarines Norte, the rest of Camarines Sur, the rest of Albay, the rest of Sorsogon, and Calamian Islands</p>	<p>Aklan, Capiz, the northern portion of Antique (Libertad, Pandan, Sebaste, Culasi) including Caluya Islands, the northern portion of Iloilo (Sara, Batad, San Dionisio, Carles, Estancia, Balasan), the rest of Eastern Samar, the rest of Northern Samar, Samar, Leyte, Biliran, and Southern Leyte</p>	<p>Dinagat Islands and Surigao del Norte including Siargao - Bucas Grande Group</p>
	<p>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</p>		

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OTHER HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Refer to Weather Advisory No. 9 issued at 11:00 PM today for the heavy rainfall outlook due to “KRISTINE”.

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.

- **Minor to moderate impacts** from gale-force 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.

The highest Wind Signal which may be hoisted during the occurrence of KRISTINE is **Wind Signal No. 3**.

Furthermore, the wind flow coming towards the circulation of KRISTINE and the Northeasterly Windflow will also bring **strong to gale-force gusts** over the following areas (especially in coastal and upland areas exposed to winds):

- **Tomorrow (23 October):** MIMAROPA, Visayas, and Mindanao.
- **Thursday (24 October):** MIMAROPA, Bicol Region, Visayas, Basilan, Sulu, Tawi-Tawi, Zamboanga del Norte, Lanao del Sur, Northern Mindanao, Dinagat Islands, Surigao del Norte, Davao del Sur, and Davao Oriental.
- **Friday (25 October):** MIMAROPA, Bicol Region, Western Visayas, Negros Occidental, Zamboanga del Norte, Basilan, Sulu, Tawi-Tawi.

Coastal Inundation

There is a **minimal to moderate risk of life-threatening storm surge** in the next 48 hours over the low-lying or exposed coastal localities of Ilocos Norte, Ilocos Sur, La Union, Pangasinan, Cagayan, Isabela, Aurora, Zambales, Bataan, Quezon including Polillo Islands, Camarines Sur, and Catanduanes. For more information, refer to Storm Surge Warning No. 3 issued at 8:00 PM today.



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HAZARDS AFFECTING COASTAL WATERS

A Gale Warning is hoisted over the northern and eastern seaboard of Luzon, the southern seaboard of Southern Luzon, and the eastern seaboard of Visayas. For more information, refer to Gale Warning No. 4 issued at 5:00 PM today.

24-Hour Sea Condition Outlook

- **Up to high seas over the following coastal waters:**
 - **Up to 7.0 m:** The seaboard of Batanes, Cagayan including Babuyan Islands, Isabela, Ilocos Norte, Catanduanes, Camarines Norte, northern Aurora, the northern and eastern seaboard of Camarines Sur
 - **Up to 6.0 m:** The seaboard of Polillo Islands; the northern and eastern seaboard of Northern Samar
 - **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 very rough seas over the following coastal waters:**
 - **Up to 5.0 m:** The seaboard of Zambales; the remaining seaboard of Ilocos Region, the eastern seaboard of Albay, and Sorsogon.
 - **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 northern and western seaboard of Surigao del Norte; the seaboard of Dinagat Islands, Southern Leyte, Camiguin, and Lubang Island; the southern seaboard of Bohol; the eastern seaboard of Eastern Samar; the eastern seaboard of mainland Quezon; the western seaboard of Bataan and Batangas; the remaining seaboard of Bicol Region.
 - **Up to 3.5 m:** The seaboard of Zamboanga del Norte, Cagayancillo Islands; the southern seaboard of Iloilo; the western seaboard of Guimaras; the western and southern seaboard of Negros Occidental and Negros Oriental.
 - **Up to 3.0 m:** The remaining seaboard of Visayas and Quezon; the seaboard of Romblon and Marinduque; the eastern seaboard of Oriental Mindoro; the northern and western seaboard of Calamian Islands; the western seaboard of Occidental Mindoro and mainland Palawan.
 - **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 remaining seaboard of the country.
 - **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


- KRISTINE is forecast to move northwestward until tomorrow (23 October) evening before turning westward for the rest of the forecast period. It is forecast to make landfall over Isabela or northern Aurora tomorrow evening or on Thursday (24 October) early morning. It will then cross the mountainous terrain of Northern Luzon and emerge over the waters west of Ilocos Region on Thursday afternoon or evening. KRISTINE may exit the Philippine Area of Responsibility (PAR) region on Friday (25 October). **Changes in forecast track is not ruled out**, depending on the movement of the weather systems surrounding this tropical cyclone in the next few days.
- KRISTINE is forecast to gradually intensify into a severe tropical storm before making landfall. Slight weakening will occur while crossing Northern Luzon. Re-intensification may occur over the West Philippine Sea.

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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