



TROPICAL CYCLONE BULLETIN NR. 16
Severe Tropical Storm KRISTINE (TRAMI)

Issued at 2:00 AM, 24 October 2024

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

“KRISTINE” HAS MADE LANDFALL OVER DIVILACAN, ISABELA.

Location of Center (1:00 AM)

The center of Severe Tropical Storm KRISTINE was estimated based on all available data **in the vicinity of Divilacan, Isabela (17.3°N, 122.3°E)**

Intensity

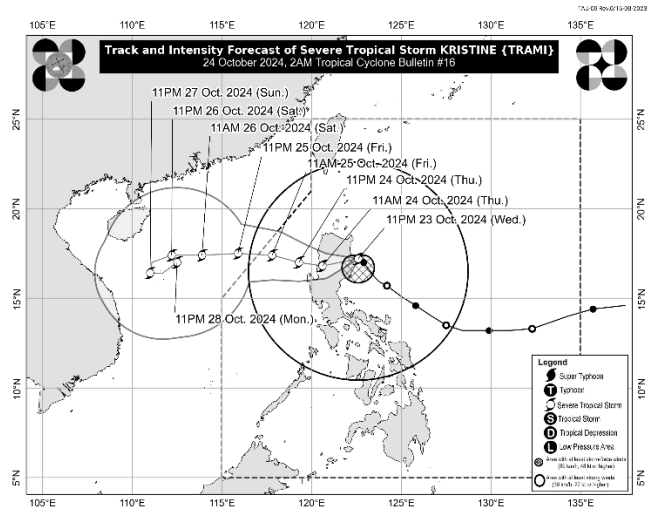
Maximum sustained winds of **95 km/h** near the center, gustiness of up to **160 km/h**, and central pressure of **985 hPa**

Present Movement

Northwestward at 15 km/h

Extent of Tropical Cyclone Winds

Strong to storm-force winds extend outwards up to **730 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 AM 24 October 2024	16.8	120.6	In the vicinity of Sugpon, Ilocos Sur	95	STS	WSW 20
24-Hour Forecast 11:00 PM 24 October 2024	17.0	119.3	120 km West Northwest of Bacnotan, La Union	95	STS	W 10
36-Hour Forecast 11:00 AM 25 October 2024	17.4	117.8	285 km West of Sinait, Ilocos Sur	95	STS	WNW 15
48-Hour Forecast 11:00 PM 25 October 2024	17.5	115.9	485 km West of Sinait, Ilocos Sur (OUTSIDE PAR)	100	STS	W 15
60-Hour Forecast 11:00 AM 26 October 2024	17.4	113.9	700 km West of Sinait, Ilocos Sur (OUTSIDE PAR)	100	STS	W 20
72-Hour Forecast 11:00 PM 26 October 2024	17.4	112.2	875 km West of Northern Luzon (OUTSIDE PAR)	110	STS	W 15
96-Hour Forecast 11:00 PM 27 October 2024	16.4	111.0	1,000 km West of Northern Luzon (OUTSIDE PAR)	110	STS	SW Slowly
120-Hour Forecast 11:00 PM 28 October 2024	17.0	112.5	840 km West of Northern Luzon (OUTSIDE PAR)	110	STS	ENE Slowly

Prepared by: PCDM

Checked by: CFP

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<p style="text-align: center;">3</p> <p>Wind threat: Storm-force winds</p>	<p>The southern portion of Cagayan (Peñablanca, Tuguegarao City, Enrile, Solana, Iguig, Tuao), Isabela, Quirino, Nueva Vizcaya, Kalinga, Mountain Province, Ifugao, the southern portion of Abra (Malibcong, Licuan-Baay, Sallapadan, Daguioman, Bucloc, Boliney, Tubo, Luba, Manabo, Bucay, Villaviciosa, Pilar, San Isidro, Peñarrubia), Benguet, the northern and central portions of Aurora (Dilasag, Casiguran, Dinalungan, Dipaculao, Maria Aurora, Baler), the northern portion of Nueva Ecija (Carranglan, Lupao, San Jose City, Pantabangan, Guimba, Santo Domingo, Talavera, Llanera, Rizal, Bongabon, Talugtug, Science City of Muñoz, Cuyapo, Nampicuan), the northern portion of Tarlac (Mayantoc, San Clemente, Camiling, Santa Ignacia, Gerona, Paniqui, Moncada, San Manuel, Anao, Ramos, Pura, Victoria), the northern portion of Zambales (Candelaria, Santa Cruz, Masinloc), Pangasinan, La Union, and the central and southern portions of Ilocos Sur (Cervantes, Quirino, Sigay, Suyo, Alilem, Sugpon, Tagudin, Santa Cruz, Salcedo, Gregorio del Pilar, San Emilio, Lidlidda, Burgos, San Esteban, Santiago, Banayoyo, Galimuyod, City of Candon, Santa Lucia, Nagbukel, Santa Maria, Narvacan)</p>	-	-
	<p>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</p>		
<p style="text-align: center;">2</p> <p>Wind threat: Gale-force winds</p>	<p>Ilocos Norte, the rest of Ilocos Sur, Apayao, the rest of Abra, the rest of Cagayan including Babuyan Islands, the rest of Aurora, the rest of Nueva Ecija, Bulacan, the rest of Tarlac, Pampanga, the rest of Zambales, Bataan, Metro Manila, Cavite, Laguna, Rizal, Batangas, the northern and central portions of Quezon (Pitogo, Lucena City, Calauag, Pagbilao, Infanta, Tiaong, Lopez, Guinayangan, Unisan, General Luna, Plaridel, Quezon, San Antonio, Alabat, Candelaria, Lucban, Sampaloc, Padre Burgos, Sariaya, City of Tayabas, Macalelon, Mauban, Dolores, General Nakar, Perez, Agdangan, Gumaca, Atimonan, Real, Tagkawayan) including Polillo Islands, and the northwestern portion of Camarines Norte (Santa Elena, Vinzons, Labo, Capalonga, Paracale, San Vicente, Talisay, Daet, Jose Panganiban)</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>		

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	Batanes, the rest of Quezon, Occidental Mindoro including Lubang Islands, Oriental Mindoro, Marinduque, Romblon, the northern portion of mainland Palawan (El Nido, Taytay, Araceli, San Vicente, Dumarán, Roxas), Cuyo Islands, Calamian Islands, the rest of Camarines Norte, Camarines Sur, Catanduanes, Albay, Sorsogon, and Masbate including Ticao and Burias Islands	Aklan, Capiz, Antique including Caluya Islands, Iloilo, Guimaras, the northern portion of Negros Occidental (Bago City, Pulupandan, Bacolod City, Murcia, Silay City, City of Talisay, Enrique B. Magalona, Manapla, City of Victorias, Cadiz City, Sagay City, City of Escalante, Toboso, Calatrava, Salvador Benedicto, San Carlos City, La Carlota City, San Enrique, Valladolid), the northern portion of Cebu (Daanbantayan, Medellin, San Remigio, Tabogon, City of Bogo, Borbon, Tabuelan, Sogod, Catmon, Tuburan, Carmen, Asturias, Danao City, Balamban) including Bantayan Islands and Camotes Islands, Northern Samar, Samar, Biliran, the northern and eastern portions of Eastern Samar (Oras, Quinañondan, Can-Avid, Lawaan, Maslog, Balangiga, City of Borongan, San Policarpo, Taft, Llorente, Maydolong, Dolores, Giporlos, Jipapad, Arteche, Balangkayan, Sulat, San Julian, General Macarthur, Hernani), and the northern and central portions of Leyte (Kananga, Tunga, Pastrana, San Miguel, Matag-Ob, Tolosa, Palo, Calubian, Leyte, Mayorga, Julita, Carigara, Babatngon, Dagami, Jaro, San Isidro, Santa Fe, Albuera, Villaba, La Paz, Palompon, Macarthur, Tabontabon, Tanauan, Merida, Ormoc City, Isabel, Javier, Dulag, Capoocan, Alangalang, Burauen, Tabango, Tacloban City, Barugo, City of Baybay)	-
			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><u>Heavy Rainfall Outlook</u></p> <p>Refer to Weather Advisory No. 17 issued at 2:00 AM today for the heavy rainfall outlook due to “KRISTINE”.</p> <p><u>Severe Winds</u></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 storm-force winds are possible within any of the localities where Wind Signal No. 3 is hoisted. • 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.

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OTHER HAZARDS AFFECTING LAND AREAS

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):

- **Today (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.
- **Tomorrow (25 October):** MIMAROPA, Bicol Region, Western Visayas, Negros Occidental, Siquijor, Bohol, Southern Leyte, Zamboanga del Norte, Basilan, Sulu, Tawi-Tawi, Camiguin, and Dinagat Islands
- **Saturday (26 October):** MIMAROPA, Bicol Region, Western Visayas, Negros Occidental, Siquijor, Zamboanga del Norte, Camiguin, Dinagat Islands, Siargao and Bucas Grande Island Group.

Coastal Inundation

There is a **moderate to high risk of life-threatening storm surge up to 3.0 m above normal tide levels** 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, and Quezon. For more information, refer to Storm Surge Warning No. 8 issued at 2:00 AM today.

HAZARDS AFFECTING COASTAL WATERS

A Gale Warning is hoisted over the seaboard of Luzon and Visayas. For more information, refer to Gale Warning No. 7 issued at 5:00 PM yesterday.

24-Hour Sea Condition Outlook

- **Up to very rough or high seas over the following coastal waters:**
 - **Up to 8.0 m:** The seaboard of Cagayan Valley, Ilocos Region, and Zambales.
 - **Up to 6.0 m:** The western seaboard of Bataan; the seaboard of Lubang Island.
 - **Up to 5.5 m:** The western seaboard of Batangas, Occidental Mindoro, and Calamian Islands.
 - **Up to 4.5 m:** The seaboard of Aurora, Polillo Islands, Camarines Norte; the northern and eastern seaboard of Catanduanes; the northern seaboard of Camarines Sur.
 - **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 Cuyo Islands; the western seaboard of mainland Palawan, Western Visayas, Negros Occidental, and Negros Oriental.
 - **Up to 3.5 m:** The remaining seaboard of Luzon and Visayas.
 - **Up to 3.0 m:** The seaboard of Dinagat Islands, Camiguin, and Zamboanga del Norte; the northern and western seaboard of Surigao del Norte.
 - **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 Mindanao.
 - **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

- KRISTINE is forecast to cross Northern Luzon over the next 12 hours and may emerge over the waters west of Ilocos Region this afternoon. KRISTINE will then move westward or west northwestward over the West Philippine Sea and exit the Philippine Area of Responsibility (PAR) region on Friday (25 October) afternoon.
- KRISTINE may slightly weaken while crossing Northern Luzon due to land interaction, with downgrading into a tropical storm not ruled out. However, re-intensification may occur once the tropical cyclone moves 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 today.

DOST-PAGASA