



**TROPICAL CYCLONE BULLETIN NR. 20**  
**Severe Tropical Storm KRISTINE (TRAMI)**

Issued at 2:00 PM, 24 October 2024

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

**“KRISTINE” IS NOW OVER THE COASTAL WATERS OF SOUTHERN ILOCOS SUR.**

**Location of Center (1:00 PM)**

The center of Severe Tropical Storm KRISTINE was estimated based on all available data **over the coastal waters of Santa Cruz, Ilocos Sur (17.0°N, 120.3°E)**

**Intensity**

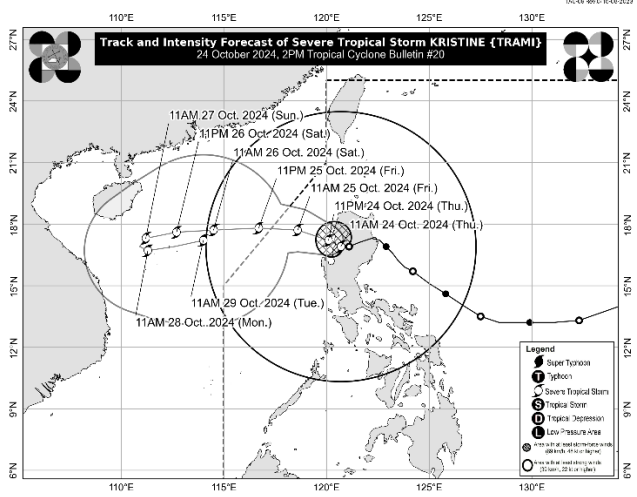
Maximum sustained winds of **95 km/h** near the center, gustiness of up to **145 km/h**, and central pressure of **985 hPa**

**Present Movement**

**West southwestward at 15 km/h**

**Extent of Tropical Cyclone Winds**

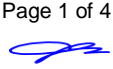
**Strong to storm-force winds** extend outwards up to **730 km** from the center



**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.	
<b>12-Hour Forecast</b> 11:00 PM 24 October 2024	17.2	120.1	Over the coastal waters of Candon, Ilocos Sur	95	STS	WNW Slowly
<b>24-Hour Forecast</b> 11:00 AM 25 October 2024	17.7	118.6	200 km West of Sinait, Ilocos Sur	95	STS	WNW 15
<b>36-Hour Forecast</b> 11:00 PM 25 October 2024	17.8	116.7	400 km West of Sinait, Ilocos Sur (OUTSIDE PAR)	100	STS	W 15
<b>48-Hour Forecast</b> 11:00 AM 26 October 2024	17.7	114.5	630 km West of Sinait, Ilocos Sur (OUTSIDE PAR)	100	STS	W 20
<b>60-Hour Forecast</b> 11:00 PM 26 October 2024	17.6	112.7	825 km West of Northern Luzon (OUTSIDE PAR)	110	STS	W 15
<b>72-Hour Forecast</b> 11:00 AM 27 October 2024	17.3	111.2	980 km West of Northern Luzon (OUTSIDE PAR)	110	STS	WSW 15
<b>96-Hour Forecast</b> 11:00 AM 28 October 2024	16.7	111.3	970 km West of Northern Luzon (OUTSIDE PAR)	100	STS	S Slowly
<b>120-Hour Forecast</b> 11:00 AM 29 October 2024	17.2	114.0	680 km West of Bacnotan, La Union (OUTSIDE PAR)	95	STS	ENE 10

Prepared by:  **RPG**

Checked by:  **CFP**

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>3</b> Wind threat: <b>Storm-force winds</b>	<b>Benguet, Ilocos Sur, La Union, and Pangasinan</b>	-	-
	Warning lead time: <b>18 hours</b> Range of wind speeds: <b>89 to 117 km/h (Beaufort 10 to 11)</b> Potential impacts of winds: <b>Moderate to significant threat to life and property</b>		
<b>2</b> Wind threat: <b>Gale-force winds</b>	<b>Batanes, Cagayan including Babuyan Islands, Isabela, Quirino, Nueva Vizcaya, Apayao, Kalinga, Abra, Ifugao, Mountain Province, Aurora, Nueva Ecija, Tarlac, Zambales, Bataan, Pampanga, Bulacan, Metro Manila, Rizal, Cavite, the western portion of Batangas (Nasugbu, Lian), the northern portion of Quezon (General Nakar, Infanta) including Polillo Islands, and Lubang Islands</b>		-
	Warning lead time: <b>24 hours</b> Range of wind speeds: <b>62 to 88 km/h (Beaufort 8 to 9)</b> Potential impacts of winds: <b>Minor to moderate threat to life and property</b>		
<b>1</b> Wind threat: <b>Strong winds</b>	<b>Laguna, the rest of Batangas, rest of Quezon, the rest of Occidental Mindoro, Oriental Mindoro, Marinduque, Romblon, the northern portion of mainland Palawan (El Nido, Taytay, Araceli, San Vicente, Dumaran, Roxas) including Calamian Islands, Cuyo, and, Kalayaan Islands, Camarines Norte, Camarines Sur, Catanduanes, Albay, Sorsogon, and Masbate including Ticao and Burias Islands</b>	<b>Aklan, Capiz, Antique including Caluya Islands, Iloilo, Bantayan Islands, Northern Samar, the northern portion of Samar (Santa Margarita, Almagro, Tagapul-An, Calbayog City, Santo Nino, Gandara, Matuguinao),</b>	-
	Warning lead time: <b>36 hours</b> Range of wind speeds: <b>39 to 61 km/h (Beaufort 6 to 7)</b> Potential impacts of winds: <b>Minimal to minor threat to life and property</b>		

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**OTHER HAZARDS AFFECTING LAND AREAS**

**Heavy Rainfall Outlook**

Refer to Weather Advisory No. 21 issued at 2:00 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.

- **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.

Furthermore, the wind flow coming towards the circulation of KRISTINE, the northeasterly windflow, and southwesterly 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):** The rest of the country outside Wind Signal areas.
- **Tomorrow (25 October):** MIMAROPA, Bicol Region, Visayas, Dinagat Islands, Surigao del Norte, Northern Mindanao, Zamboanga Peninsula, BARMM, SOCCSKSARGEN, and Davao Region.
- **Saturday (26 October):** MIMAROPA, Bicol Region, Western Visayas, Negros Island Region, Zamboanga Norte, Siquijor, Bohol, Camiguin, Surigao del Norte, Dinagat Islands.

**Coastal Inundation**

There is a **minimal to moderate risk of storm surge with peak heights of around 1.0 to 2.0 m above normal tide levels** in the next 48 hours over the low-lying or exposed coastal localities of Ilocos Sur, La Union, Pangasinan, Cagayan, Isabela, Aurora, and Zambales. **For more information, refer to Storm Surge Warning No. 10 issued at 2:00 PM today.**



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**HAZARDS AFFECTING COASTAL WATERS**

**A Gale Warning is hoisted over the seaboards of Luzon and the western and central seaboards of Visayas.** For more information, refer to Gale Warning No. 9A issued at 11:00 AM today.

**24-Hour Sea Condition Outlook**

- **Up to very rough or high seas over the following coastal waters:**
  - **Up to 8.0 m:** The seaboards of Ilocos Region, and Zambales; the western seaboards of Batanes and Babuyan Islands.
  - **Up to 7.0 m:** The western seaboard of Bataan; the remaining seaboard of Cagayan Valley.
  - **Up to 6.0 m:** The western seaboards of Batangas; the seaboard of Lubang Island.
  - **Up to 5.5 m:** The western seaboards of Occidental Mindoro and Calamian Islands.
  - **Up to 4.5 m:** The seaboards of Aurora; the northern and eastern seaboards of Catanduanes; the northern seaboard of Camarines Sur; the western seaboard of Western Visayas, Negros Occidental, and mainland Palawan.
  - **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 seaboards of Cuyo Islands, Polillo Islands, Oriental Mindoro, Marinduque, Romblon, and Camarines Norte; the western seaboards of Quezon and Negros Oriental
  - **Up to 3.5 m:** The remaining seaboards of Luzon and Visayas.
  - **Up to 3.0 m:** The seaboards of Dinagat Islands, Camiguin, and Zamboanga del Norte; the northern and western seaboards 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 seaboards 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.**

**TRACK AND INTENSITY OUTLOOK**


- KRISTINE is forecast to move westward or west northwestward over the West Philippine Sea and exit the Philippine Area of Responsibility (PAR) region tomorrow (25 October) afternoon.
- In the extended outlook, there is a developing forecast situation wherein KRISTINE will be looping over the West Philippine Sea on Sunday and Monday and move eastward or east northwestward towards the general direction of the PAR region. However, **this scenario heavily depends on the behavior of the weather disturbance east of the PAR region which is expected to develop into a tropical depression within the next 24 hours.**
- KRISTINE is forecast to re-intensify as it moves over the West Philippine Sea. While it is likely that the tropical cyclone will remain a severe tropical storm in the next five days, the chance for it to be upgraded into a typhoon is not ruled out.

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**

  
 Prepared by: **RPG**

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