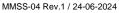


Republic of the Philippines DEPARTMENT OF SCIENCE AND TECHNOLOGY Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA) Weather Division





# **TROPICAL CYCLONE BULLETIN NR. 1**

Tropical Depression KRISTINE

Issued at 5:00 AM, 21 October 2024 Valid for broadcast until the next bulletin at 11:00 AM today.

### THE TROPICAL DEPRESSION HAS ENTERED THE PHILIPPINE AREA OF RESPONSIBILITY AND WAS NAMED "KRISTINE"

## Location of Center (4:00 AM)

The center of Tropical Depression KRISTINE was estimated based on all available data at 1,050 km East of Southeastern Luzon (13.6°N, 133.9°E)

#### Intensity

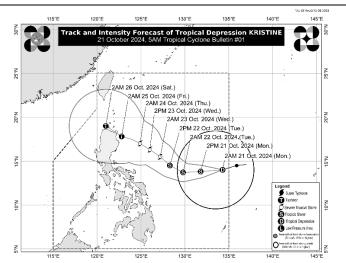
Maximum sustained winds of **55 km/h** near the center, gustiness of up to **70 km/h**, and central pressure of **1002 hPa** 

**Present Movement** 

West southwestward at 30 km/h

**Extent of Tropical Cyclone Winds** 

Strong winds extend outwards up to 550 km from the center



TRACK AND INTENSITY FORECAST									
	Center Position			Intensity		Movement			
Date and Time	Lat. (°N)	Lon. (°E)	Location		Cat.	dir. and speed (km/h)			
12-Hour Forecast 2:00 PM 21 October 2024	13.8	131.8	820 km East of Southeastern Luzon	65	TS	W 25			
24-Hour Forecast 2:00 AM 22 October 2024	13.7	129.8	605 km East of Virac, Catanduanes	75	TS	W 20			
36-Hour Forecast 2:00 PM 22 October 2024	14.5	128.3	575 km East of Daet, Camarines Norte	85	TS	WNW 15			
48-Hour Forecast 2:00 AM 23 October 2024	15.5	127.2	600 km East of Baler, Aurora	95	STS	NW 15			
60-Hour Forecast 2:00 PM 23 October 2024	16.3	126.0	415 km East of Casiguran, Aurora	100	STS	NW 15			
72-Hour Forecast 2:00 AM 24 October 2024	17.0	124.9	340 km East of Echague, Isabela	110	STS	WNW 10			
96-Hour Forecast 2:00 AM 25 October 2024	17.8	122.8	110 km East of Tuguegarao City, Cagayan	120	ΤY	WNW 10			
<b>120-Hour Forecast</b> 2:00 AM 26 October 2024	19.0	121.0	Over the coastal waters of Calayan, Cagayan	120	ΤY	NW 10			

Prepared by: PCDM

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Weather and Flood Forecasting Center Senator Miriam P. Defensor-Santiago Avenue Brgy. Central, Quezon City 1100, Philippines Page 1 of 3 Checked by: ADA



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT						
TCWS No.	Luzon	Visayas	Mindanao			
<b>1</b> Wind threat:	Catanduanes	The northeastern portion of Northern Samar (Laoang, Palapag, Mapanas, Gamay, Catubig, Lapinig) and the northeastern portion of Eastern Samar (Jipapad, Arteche, San Policarpo, Oras)	-			
Strong winds	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>					

## OTHER HAZARDS AFFECTING LAND AREAS

## Heavy Rainfall Outlook

Refer to Weather Advisory No. 2 issued at 5:00 AM today for the heavy rainfall outlook due to Tropical Cyclone "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.

• **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. 4.

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

- Today (21 October): the southern portion of Palawan, Siquijor, Bohol, Zamboanga Peninsula, Northern Mindanao, Dinagat Islands, Surigao del Norte, Agudan del Norte, BARMM, Sarangani, Davao del Sur, and Davao Oriental
- Tomorrow (22 October): Palawan, Romblon, Aklan, Antique, Negros Island Region, Bohol, Zamboanga del Norte,
- Northern Mindanao, Southern Leyte, Dinagat Islands, Surigao del Norte, Agusan del Norte, Sarangani, Davao del Sur, and Davao Oriental.
- Wednesday (23 October): MIMAROPA, Visayas, and Mindanao,

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Page 2 of 3 Checked by: ADA

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# **TROPICAL CYCLONE BULLETIN NR. 1**

# Tropical Depression KRISTINE

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### HAZARDS AFFECTING COASTAL WATERS

## 24-Hour Sea Condition Outlook

## • Moderate to rough seas over the following coastal waters:

- Up to 4.0 m: The seaboards of Isabela, the seaboard of the northern portion of Aurora, Catanduanes, Northern Samar, and the eastern seaboard of Mainland Cagayan.
- Up to 3.5 m: The seaboard of Batanes, the remaining seaboards of Cagayan and Aurora, the eastern seaboard of Quezon, the remaining eastern seaboard of Bicol Region, and the eastern seaboard of Eastern Samar.
- Up to 3.0 m: The seaboards of Ilocos Region, the seaboard of Dinagat Islands, and the seaboard of Davao Region.
- 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 2.0 m: The remaining seaboards 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 generally westward until tomorrow (22 October) morning before turning west northwestward to
  northwestward from tomorrow afternoon until the rest of the forecast period. This tropical cyclone is forecast to make landfall
  over Northern Luzon by Friday (25 October) afternoon.
- KRISTINE is forecast to intensify into a tropical storm in the next 12 hours. It may reach severe tropical storm category by tomorrow afternoon or evening and typhoon category by Thursday (24 October) afternoon or evening, prior to landfall over the northeastern portion of Cagayan.
- Since this tropical cyclone is still over the Philippine Sea, further intensification is likely, given the favorable environmental conditions (high SST and low wind shear) for development over the area. Changes in forecast track is also not ruled out, depending on the movement of the weather systems over the mid-latitude over the next days.

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.

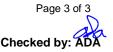
The next tropical cyclone bulletin will be issued at 11:00 AM today.

DOST-PAGASA



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