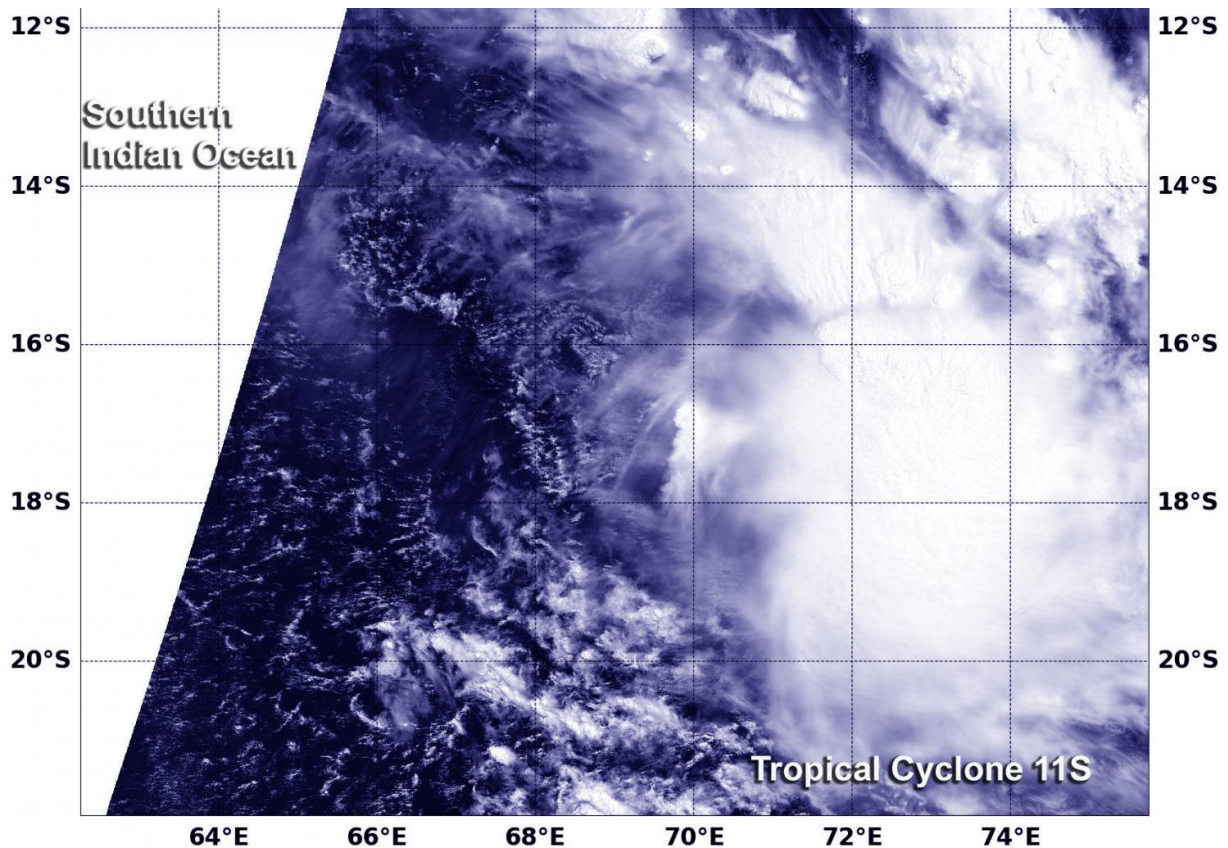


NASA sees wind shear affecting Tropical Cyclone 11S

March 10 2017



NASA's Terra satellite captured this visible image of Tropical Cyclone 11S on March 10 at 0515 UTC (12:15 a.m. EST). Credit: NASA/NRL

Tropical Cyclone 11S appeared elongated in NASA satellite imagery as a result of the storm being battered by wind shear.

When NASA's Terra satellite flew over Tropical Cyclone 11S on March 10 at 0515 UTC (12:15 a.m. EST) the Moderate Resolution Imaging Spectroradiometer or MODIS instrument took a visible light picture of the storm. The image revealed that the storm has been stretched out by moderate [vertical wind shear](#).

The Joint Typhoon Warning Center (JTWC) in Pearl Harbor, Hawaii noted "Animated multispectral satellite Imagery shows a system with a weak and ragged low level circulation that is partially exposed and sheared from the main convection. The low-level center of circulation has become elongated and obscured."

At 0900 UTC (4 a.m. EST) on March 10, Tropical Cyclone 11S has maximum sustained winds near 35 knots (40 mph/62 kph). The [tropical storm](#) was moving to the south at 14 knots (16.1 mph/25.9 kph). It was centered near 16.6 degrees south latitude and 69.3 degrees east longitude, about 715 nautical miles (822.8 miles/1,324 km) east-northeast of Mauritius.

The JTWC expects Tropical Storm 11S to move southwestward and gradually intensify as vertical [wind shear](#) eases. The storm is expected to strengthen to 60 knots (69.5 mph/111.1 kph) in four days before it runs into an area of stronger vertical wind shear and cooler sea surface temperatures that will weaken the [storm](#).

Provided by NASA's Goddard Space Flight Center

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