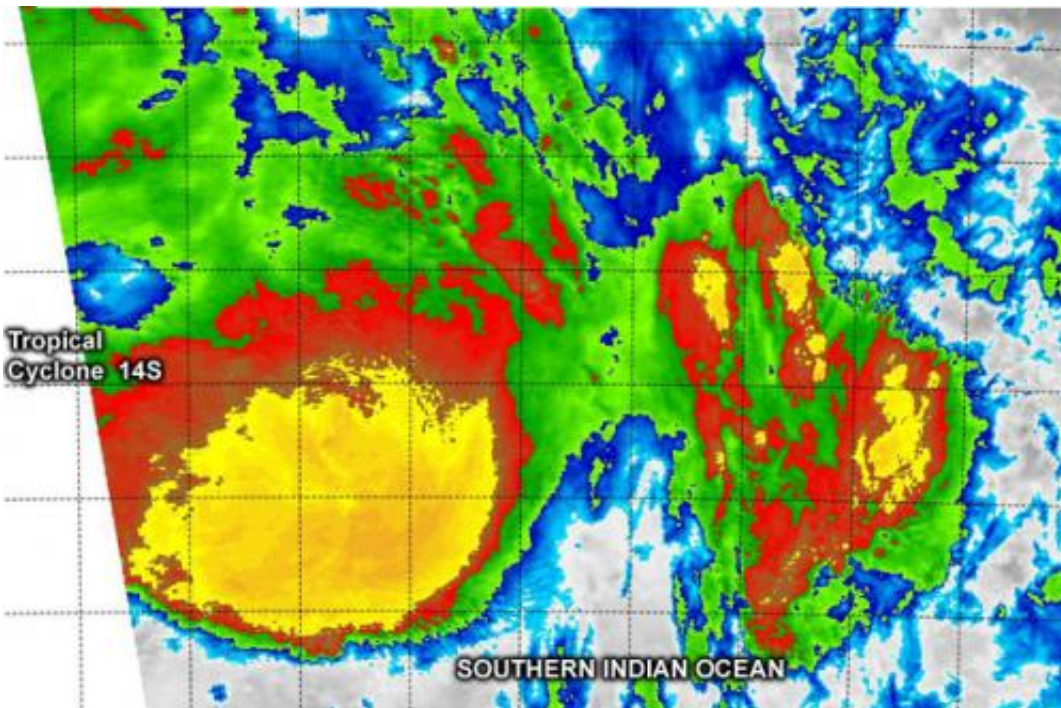


NASA spots fourteenth tropical cyclone of Southern Indian Ocean season

February 7 2014, by Rob Gutro



NASA's Terra satellite passed over Tropical Cyclone 14S on Feb. 7 and captured this infrared image. The strongest thunderstorms (red) are north of the center.
Credit: NRL/NASA

The fourteenth tropical cyclone of the Southern Indian Ocean season was born as NASA's Terra satellite passed overhead.

On February 7 at 0900 UTC/4 a.m. EST, Tropical Cyclone 14S had [maximum sustained winds](#) near 35 knots/40 mph/62 kph. It was located

about 814 nautical miles/936.7 miles/1,508 km east-northeast of Port Louis, Mauritius near 14.8 south and 70.4 east. At that time, 14S was moving to the south near 8 knots/9.2 mph/14.8 kph.

The Joint Typhoon Warning Center noted that multispectral satellite imagery showed that the low-level center is exposed to outside winds and that the center is actually elongated (not a good thing for maintaining strength).

NASA's Terra satellite passed over Tropical Cyclone 14S on February 7 and the Moderate Resolution Imaging Spectroradiometer or MODIS instrument captured infrared data. Cloud top temperatures in excess of -70C/-94F were seen north of the center of circulation indicating strong convection and powerful thunderstorms.

14S has since turned to the southeast and is expected to intensify a little before turning southwest and weakening.

Provided by NASA's Goddard Space Flight Center

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