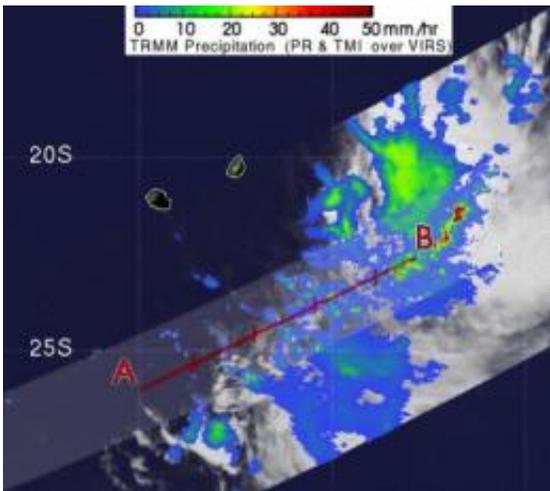


# Tropical Depression 11S forms in the southern Indian Ocean

January 28 2010

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At 11:20 p.m. ET Jan. 27, the Tropical Rainfall Measuring Mission or TRMM satellite, captured Tropical Depression 11S's rainfall, as it was centered east of La Reunion Island. Although most of the rainfall was light to moderate (yellow and green) there were some areas of heavy rain of over 2 inches per hour (red). Credit: NASA/SSAI, Hal Pierce

The eleventh tropical depression formed today in the Southern Indian Ocean south of Port Louis. It will continue on a southeasterly track and move into open ocean.

At 4 a.m. ET (09:00 UTC) on January 28, [Tropical Depression](#) 11S (TD 11S) had [maximum sustained winds](#) near 39 mph (35 knots). It was located about 180 nautical miles east of La Reunion, near 21.7 degree

South latitude and 58.9 degrees East longitude. TD 11S is moving southward near 6 mph (5 knots).

La Reunion Island is a French island located in the Southern Indian Ocean, east of Madagascar and about 120 miles southwest of the island of Mauritius.

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Despite being in an area of low wind shear, TD 11S has a fully exposed low-level circulation center, which opens the storm's circulation up to wind shear and dry air. Low wind shear helps a storm strengthen, while open circulation lends itself to weakening a storm.

Over the next day or two, however, TD 11S is expected to redevelop and convection (rapidly rising air that forms thunderstorms) and strengthen as it moves over warm sea surface temperatures. After it strengthens, then over the weekend, it is expected to become extra-tropical while remaining over open ocean.

Provided by NASA's Goddard Space Flight Center

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