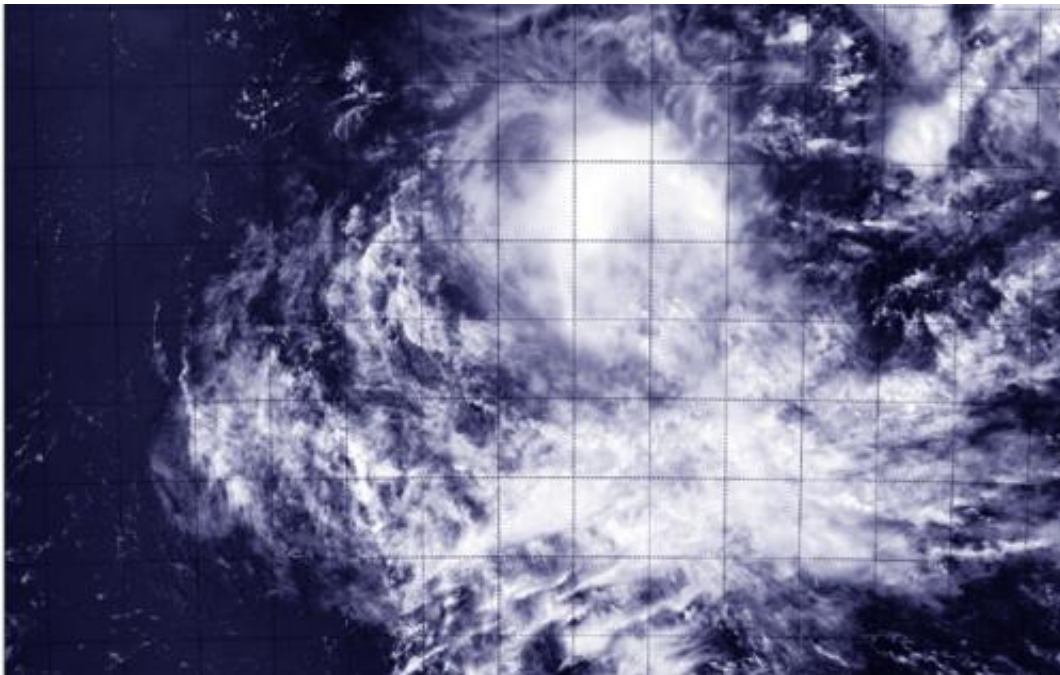


# NASA sees Tropical Storm Adjali making the curve

November 19 2014, by Rob Gutro

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NASA's Aqua satellite captured a visible picture of Tropical Storm Adjali on Nov. 19 at 9:05 UTC (4:05 a.m. EST) moving through the Southern Indian Ocean. Credit: NASA Goddard MODIS Rapid Response Team

Tropical Storm Adjali started curving to the southwest on its trek through the Southern Indian Ocean when NASA's Aqua satellite passed overhead on Nov. 19.

The Moderate Resolution Imaging Spectroradiometer or MODIS

instrument that flies aboard NASA's Aqua satellite captured a visible picture of Tropical Storm Adjali on Nov. 19 at 9:05 UTC (4:05 a.m. EST). The MODIS image showed that the storm began curving to the southwest, and despite slight weakening, thunderstorms circled around the low-level center.

Adjali was curving to the southwest as it continued to move along the extreme southwestern edge of an equatorial ridge (elongated area) of high pressure, located northeast of the storm. Over the next day, forecasters at the Joint Typhoon Warning Center (JTWC) expect Adjali to turn to south-southwest as a subtropical ridge (another elongated area of [high pressure](#)) builds to the storm's south and takes over steering the storm on a more southwesterly path.

By 9:00 UTC (4 a.m. EST) on Nov. 19, Adjali's maximum sustained winds had dropped to 55 knots (92.8 mph/102 kph) as a result of increased [wind shear](#). Adjali was centered near 13.0 north latitude and 70.5 east longitude. That's about 362 nautical miles (200 miles/322 km) south-southwest of Diego Garcia. Adjali was moving to the northeast at 7 knots (8 mph/13 kph).

The JTWC forecast noted that the combined effects of increasing [vertical wind shear](#) (it's between 10 and 20 knots/11.5 to 23.0 mph/18.5 to 37.0 kph now), cooler sea surface temperatures in the path of the storm and limited outflow (winds the push out from the top of the storm) will weaken the system and cause its demise over open ocean in three days.

Provided by NASA's Goddard Space Flight Center

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