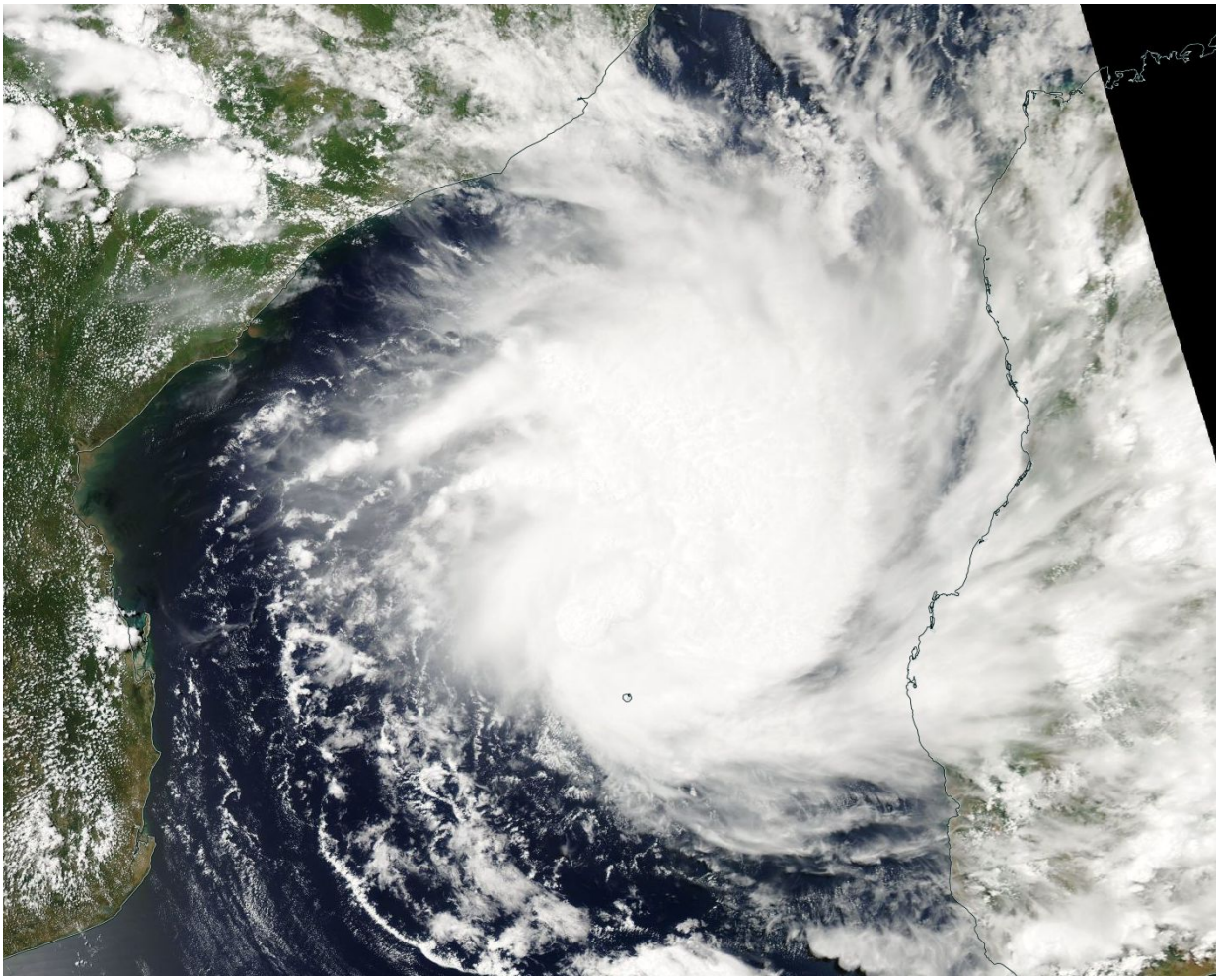
NASA catches formation of Tropical Cyclone Dineo

February 13 2017



NASA's Aqua satellite captured this visible image of newly developed Tropical Cyclone Dineo in the Mozambique Channel on Feb. 13, 2017. Madagascar is to the east (right) and Mozambique lies to the west (left). Credit: NASA

The fifth tropical cyclone of the Southern Indian Ocean season formed today, February 13 as NASA's Aqua satellite captured a visible image of the storm.

The Moderate Resolution Imaging Spectroradiometer or MODIS instrument aboard NASA's Aqua satellite captured a visible image of newly developed Tropical Cyclone Dineo in the Mozambique Channel on Feb. 13, 2017. Madagascar is to the east of the storm and Mozambique lies to the west. The image revealed strong storms around the center of circulation.

On Feb. 13 at 10 a.m. EST (1500 UTC), Dineo had maximum sustained winds near 46 mph (40 knots/74 mph) that are expected to strengthen over the next two days. Dineo was located about 48 nautical miles north-northwest of Europa Island. Dineo was crawling to the south-southwest at 2.3 mph (2 knots/3.7 kph).

The Joint Typhoon Warning Center noted that animated multispectral satellite imagery shows "a consolidating low-level circulation center with deep convective banding (of thunderstorms) wrapping into the partially-exposed low-level center." The bulk of thunderstorms were over the eastern side of the storm.

In one and a half days, atmospheric conditions are expected to allow the system to turn westward to west-northwestward where it is forecast to make landfall along the east coast of Mozambique on February 16.

Provided by NASA's Goddard Space Flight Center

Citation: NASA catches formation of Tropical Cyclone Dineo (2017, February 13) retrieved 2 May 2024 from https://phys.org/news/2017-02-nasa-formation-tropical-cyclone-dineo.html

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.