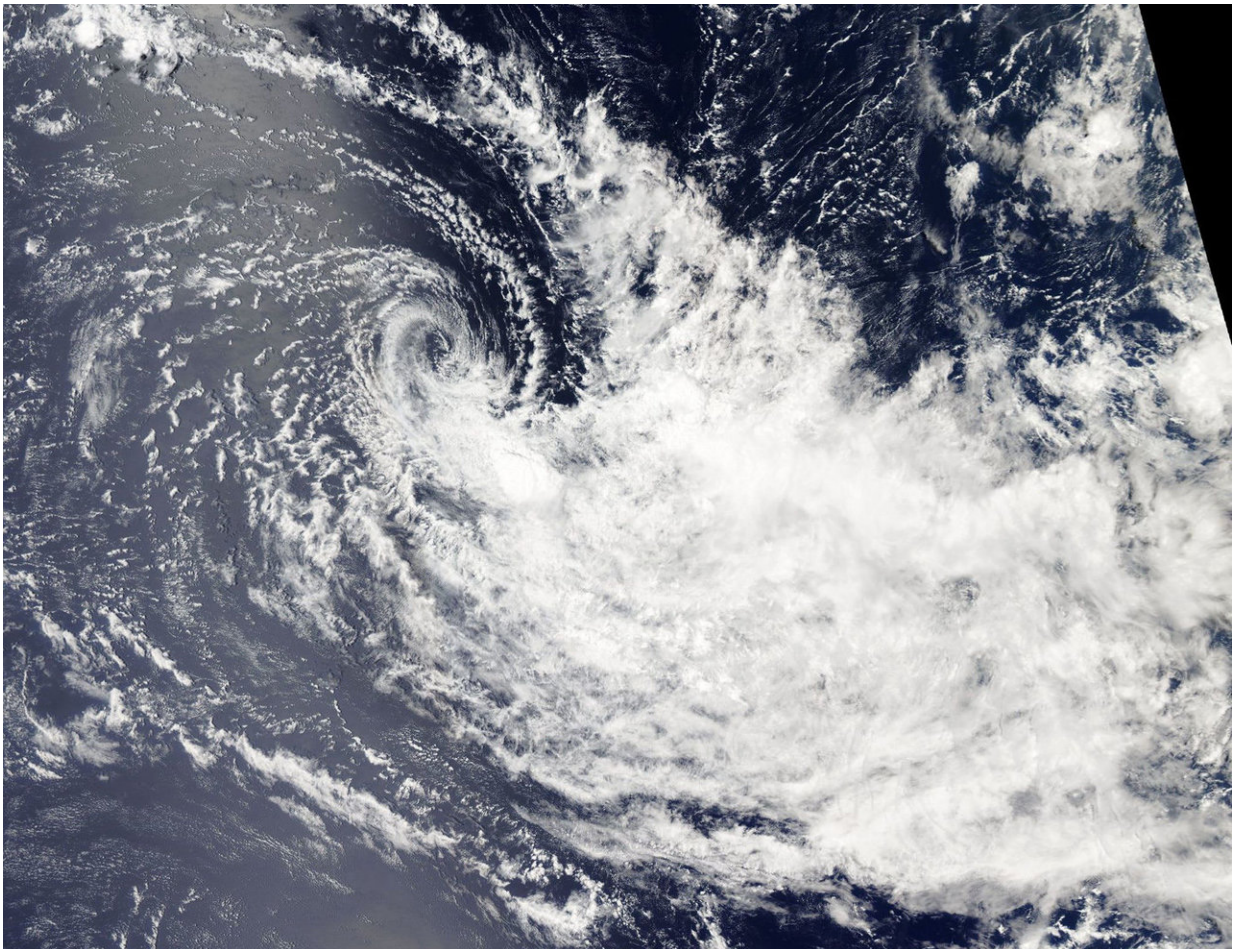


NASA sees Tropical Cyclone Bouchra being blown apart

November 20 2018



On Nov. 20 the MODIS instrument aboard NASA's Aqua satellite saw Tropical Storm Bouchra being torn apart by winds. The center appeared almost cloud free while the bulk of clouds were pushed to the southeast. Credit: NASA Worldview, Earth Observing System Data and Information System (EOSDIS)

Tropical Cyclone Bouchra may have been re-born over the weekend of Nov. 17 and 18 but by Nov. 20 it was blown apart by wind shear and NASA's Aqua satellite confirmed that.

In general, [wind shear](#) is a measure of how the speed and direction of winds change with altitude. Wind shear can tear a tropical cyclone apart or weaken it.

On Nov. 20 the MODIS or Moderate Resolution Imaging Spectroradiometer instrument aboard NASA's Aqua satellite saw Tropical Storm Bouchra being torn apart by winds. The center appeared almost cloud free while the bulk of clouds were pushed to the southeast. That's an indication that winds or [wind](#) shear was affecting the storm and elongating its circulation center, weakening the storm again.

By 4 a.m. EST (0900 UTC) on Nov. 20, Bouchra was already weakening and the Joint Typhoon Warning Center issued their final bulletin on the system. At that time, maximum sustained winds were near 35 knots (40 mph/62 kph). It was located near 5.4 degrees south latitude and 78.0 [degrees](#) east longitude, about 604 nautical miles southeast of Diego Garcia. Wind shear had increased since Nov. 19 and was pushing the bulk of clouds to the southeast and about 150 nautical miles away from the center.

Bouchra is expected to make its final dissipation by the end of the day on Nov. 20.

Provided by NASA's Goddard Space Flight Center

Citation: NASA sees Tropical Cyclone Bouchra being blown apart (2018, November 20)
retrieved 3 May 2024 from
<https://phys.org/news/2018-11-nasa-tropical-cyclone-bouchra-blown.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.