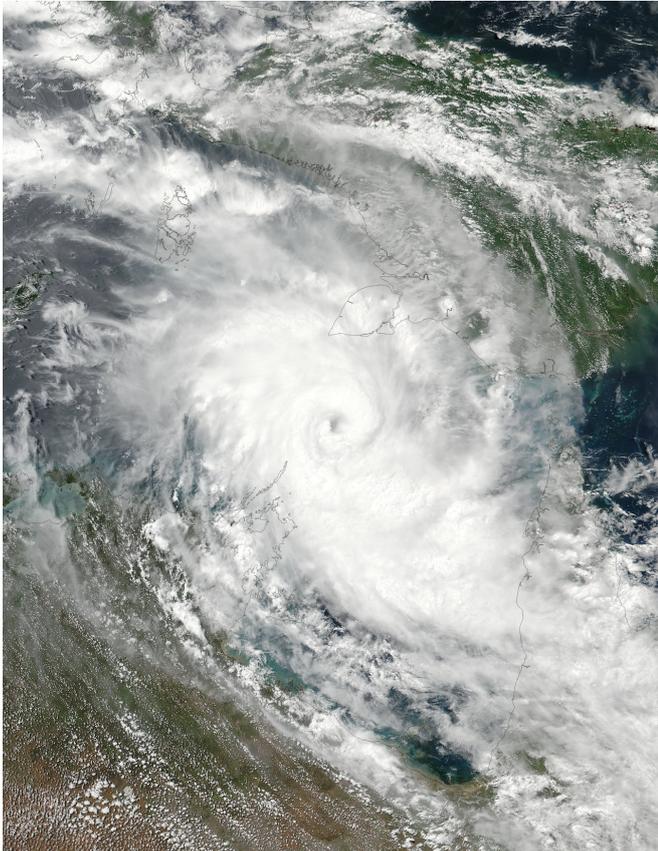


NASA sees Tropical Cyclone Nora become a hurricane

23 March 2018



On March 23 at 12:36 a.m. EDT (0436 UTC) a visible image of Tropical Storm Nora was acquired from the VIIRS instrument aboard NASA-NOAA's Suomi NPP satellite as it continued moving between northern Australia and New Guinea. Credit: NOAA/NASA Rapid Response Team

NASA satellite imagery showed that Tropical Cyclone Nora developed an eye as it strengthened into a hurricane north of Australia. NASA-NOAA's Suomi NPP satellite provided forecasters with a visible image of the storm, formerly named Tropical Cyclone 16P.

The Australian Bureau of Meteorology or ABM issued warnings and watches for Nora. A Warning

Zone is in effect from the mouth of the Gilbert River to Thursday Island, including Weipa. The Watch Zone extends from the Northern Territory/Queensland border to the mouth of the Gilbert River.

On March 23 at 12:36 a.m. EDT (0436 UTC) the Visible Infrared Imaging Radiometer Suite (VIIRS) instrument aboard NASA-NOAA's Suomi NPP satellite captured a [visible image](#) of Tropical Storm Nora as it continued moving between northern Australia and New Guinea. The image was created at NASA's Goddard Space Flight Center in Greenbelt, Maryland and showed an eye surrounded by powerful thunderstorms wrapping into the low-level center of circulation.

At 5 a.m. EST (0900 UTC) on March 23, the center of Tropical Cyclone Nora was 438 nautical miles east-northeast of Darwin, Australia near 11.0 degrees south latitude and 138.5 degrees east longitude. Nora was moving toward the southeast near 15 mph (13 knots/24 kph). Maximum sustained winds were near 75 mph (65 knots/120 kph) making Nora a Category 1 hurricane on the Saffir-Simpson hurricane wind scale.

Nora is forecast to continue strengthening and moving southeast into the Gulf Carpentaria.

ABM noted on March 23 "Severe Tropical Cyclone Nora continues to intensify as a Category 3 strength [cyclone](#) as it moves southeasterly across the northern Gulf of Carpentaria. The Tropical Cyclone is expected to reach Category 4 strength during Saturday while over the northeast Gulf of Carpentaria. On Sunday, the Tropical Cyclone is expected to take a more southerly track and move towards the southeastern Gulf of Carpentaria coast, although a coastal crossing anywhere along the western Cape York Peninsula south of Mapoon during Saturday afternoon or Sunday is also possible. By Monday, the Tropical Cyclone is expected to become slow moving over the

southeastern Gulf of Carpentaria or inland of the coast."

The Joint Typhoon Warning Center's extended forecast calls for Nora to approach Mornington Island on March 26 and make landfall in southwestern Queensland on March 27.

Provided by NASA's Goddard Space Flight Center

APA citation: NASA sees Tropical Cyclone Nora become a hurricane (2018, March 23) retrieved 28 September 2021 from <https://phys.org/news/2018-03-nasa-tropical-cyclone-nora-hurricane.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.