

NASA-NOAA Satellite finds a large Tropical Cyclone Gaja

November 13 2018



On Nov. 13, 2018, the VIIRS instrument aboard NASA-NOAA's Suomi NPP satellite captured a visible image of Tropical Cyclone Gaja in the Northern Indian Ocean. Credit: NASA Worldview, Earth Observing System Data and Information System (EOSDIS)

NASA-NOAA's Suomi NPP satellite passed over the Bay of Bengal, Northern Indian Ocean and captured a visible image of Tropical Cyclone Gaja.

Gaja formed on Nov. 10 at 4 p.m. EST (2100 UTC) as tropical [cyclone](#) 07B, about 569 miles south-southwest of Chittagong, Bangladesh. It strengthened into a tropical storm and was renamed Gaja.

On Nov. 13, the Visible Infrared Imaging Radiometer Suite (VIIRS) instrument aboard NASA-NOAA's Suomi NPP satellite gathered data on Tropical Cyclone Gaja. Gaja appeared somewhat elongated and had bands of thunderstorms wrapping into the center. Gaja appeared to extend over much of the Bay of Bengal in satellite imagery.

The Joint Typhoon Warning Center or JTWC noted "animated multispectral [satellite](#) imagery shows expansive but disorganized and fragmented rain bands loosely wrapping into an obscured low level circulation with the deep central convection sheared northeastward."

On Nov., 13 at 10 a.m. EST (1500 UTC) Gaja's maximum sustained winds were near 40 mph (35 knots/62 kph). It was located approximately 320 nautical miles east of Chennai, India near 13.4 degrees north latitude and 85.6 degrees east longitude. Gaja was moving west-southwest.

JTWC forecasters expect a slow intensification, peaking at 50 knots (57.5 mph/92.6 kph) by landfall in southern India just south of Chennai on Nov. 15.

Provided by NASA's Goddard Space Flight Center

Citation: NASA-NOAA Satellite finds a large Tropical Cyclone Gaja (2018, November 13) retrieved 13 April 2024 from

<https://phys.org/news/2018-11-nasa-noaa-satellite-large-tropical-cyclone.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.