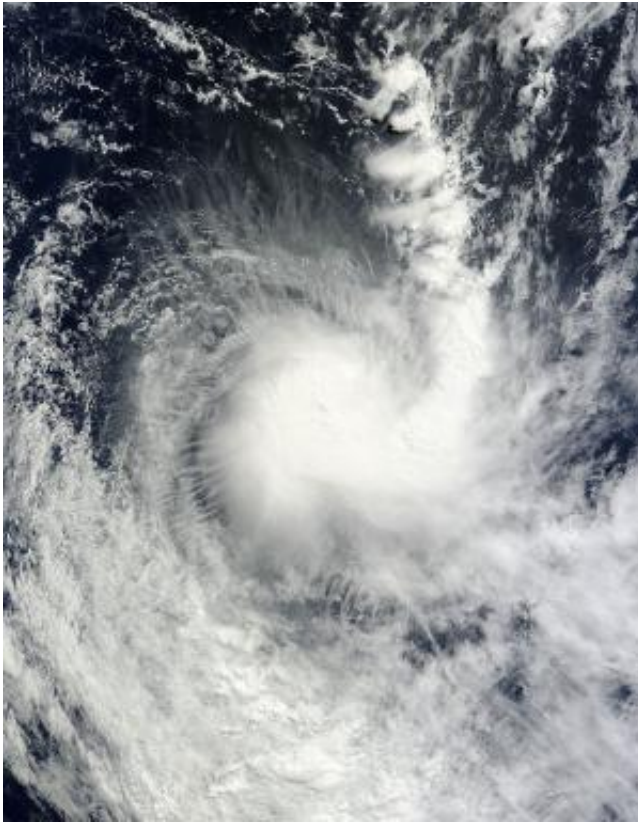


## Image: NASA satellite image sees Cyclone Victoria looking like a 'J' from space

April 11 2013

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NASA's Aqua satellite passed over Tropical Cyclone Victoria on April 11 at 0320 UTC. The Moderate Resolution Imaging Spectroradiometer (MODIS) instrument aboard Aqua captured this visible image that showed strong thunderstorms around the center of circulation and in a band of thunderstorms wrapping around the eastern side of the storm. Credit: NASA Goddard MODIS Rapid Response Team

When NASA's Aqua satellite flew over Cyclone Victoria in the Southern Indian Ocean it captured a visible image of the storm and it appeared to look like the letter "J." A band of thunderstorms wrapping into the center from the east of low-level center of circulation extended north, creating the appearance of the letter.

NASA's Aqua satellite passed over Tropical Cyclone Victoria on April 11 at 0320 UTC (April 10 at 11:20 p.m. EDT). The Moderate Resolution Imaging Spectroradiometer (MODIS) instrument aboard Aqua captured the [visible image](#) that showed strong thunderstorms around the center of circulation and in a band of thunderstorms wrapping around the eastern side of the storm.

On April 11 at 1500 UTC (11 a.m. EDT), Cyclone Victoria had [maximum sustained winds](#) near 50 knots (57.5 mph/92.6 kph). It was centered near 20.5 south latitude and 105.3 east longitude, about 530 nautical miles (610 miles/981.6 km) west-northwest of Learmonth, Australia. Victoria is moving to the south-southeast at 14 knots (16.1 mph/25.9 kph).

Wind shear is affecting Victoria, pushing the strongest convection (rising air that forms the thunderstorms that make up the tropical storm) and thunderstorms southeast of the center. The Joint [Typhoon Warning Center](#) forecasters noted that the wind shear is a result of a powerful jet stream located southwest of the cyclone. The wind shear is expected to continue increasing as Victoria tracks southeast, and [sea surface temperatures](#) will drop below the 80 degree Fahrenheit (26.6 Celsius) threshold needed to maintain a tropical cyclone. Those two factors are expected to weaken Victoria very quickly in the next day or two.

Provided by NASA's Goddard Space Flight Center

Citation: Image: NASA satellite image sees Cyclone Victoria looking like a 'J' from space (2013, April 11) retrieved 25 April 2024 from <https://phys.org/news/2013-04-image-nasa-satellite-cyclone-victoria.html>

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