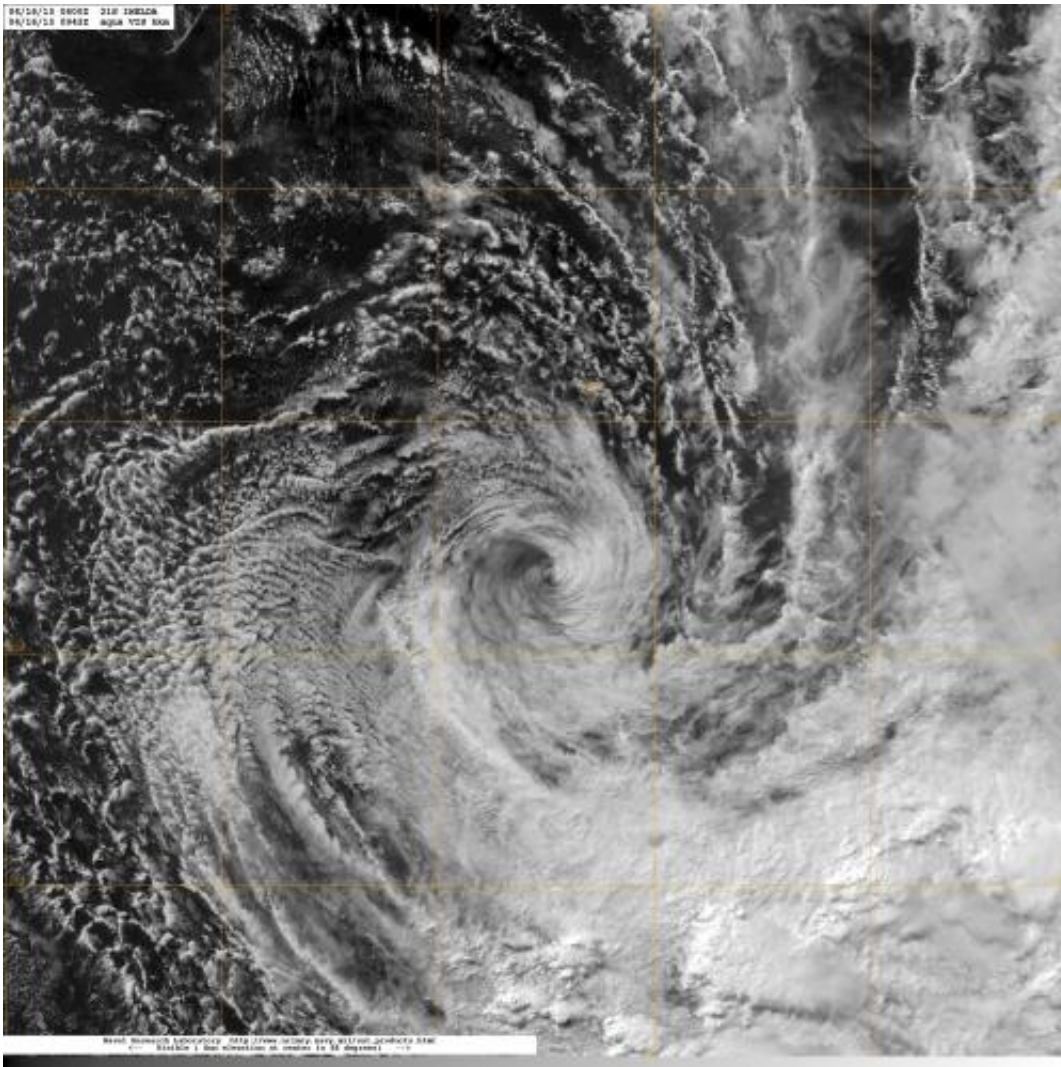


NASA imagery shows wind shear hammering Cyclone Imelda

April 16 2013



NASA's Aqua satellite passed over Tropical Cyclone Imelda on April 16 at 0943 UTC (5:43 a.m. EDT). Aqua captured this visible image that clearly showed the center of circulation, and most of the precipitation southeast of the center.

Credit: NASA/NRL

Cyclone Imelda has lost both her punch and her hurricane status as the storm moved into an area of higher wind shear and cooler waters in the Southern Indian Ocean. NASA's Aqua satellite provided an image of Imelda that showed wind shear that has been hammering the storm, had pushed the bulk of the storm's precipitation southeast of the center.

Wind shear at higher levels has increased to as high as 30 knots (34.5 mph/55.5 kph), according to upper level analysis of the atmosphere that was conducted by the Joint [Typhoon Warning Center](#). That stronger wind shear is weakening Imelda quickly.

NASA's Aqua satellite passed over Tropical Cyclone Imelda on April 16 at 0943 UTC (5:43 a.m. EDT) and the [Moderate Resolution Imaging Spectroradiometer](#) instrument captured a visible image of the storm that clearly showed most of the precipitation had been pushed southeast of the center from wind shear. Animated multispectral satellite imagery showed that the low level circulation center was fully exposed and there was no deep convection or strong thunderstorms developing over the previous 12 hours.

The last official warning on Imelda was issued on April 16 at 0900 UTC (5 a.m. EDT), when Imelda's [maximum sustained winds](#) had fallen to 35 knots (40 mph/65 kph). The weakening tropical storm was located near 21.2 south and 62.9 east, about 410 nautical miles (471.8 miles/ 759.3 km) east of La Reunion island and moving to the southeast at 5 knots (5.7 mph/9.2 kph).

Imelda is expected to continue weakening and should dissipate in the next day or two.

Provided by NASA's Goddard Space Flight Center

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