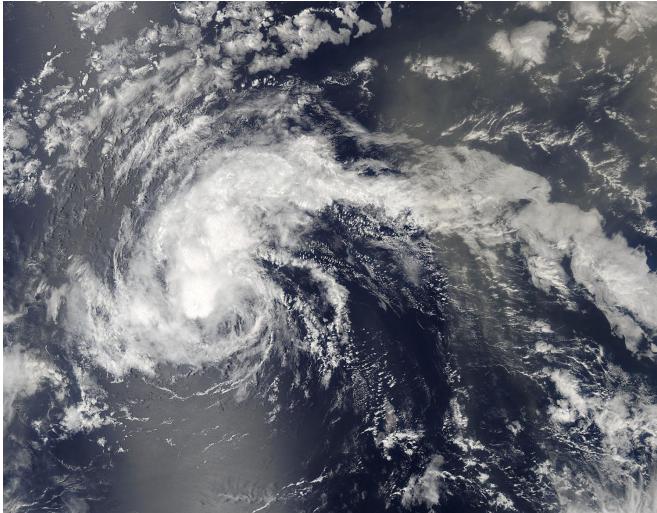


# NASA sees wind shear affecting Tropical Storm Fiona

19 August 2016



On Aug. 18 at 12:05 p.m. EDT (16:05 UTC) NASA's Aqua satellite captured a visible light image of Tropical Storm Fiona in the eastern Atlantic Ocean. Credit: NASA Goddard MODIS Rapid Response Team

An image from NASA's Aqua satellite showed that southwesterly wind shear was affecting Tropical Storm Fiona, pushing clouds to the northeast of the center.

On August 18 at 12:05 p.m. EDT (16:05 UTC) the Moderate Resolution Imaging Spectroradiometer or MODIS instrument that flies aboard NASA's Aqua satellite provided a visible light image of Fiona. The image showed that strong thunderstorms and deep convection (rising air that forms them) circled the center and were being pushed to the northeast of the center.

The National Hurricane Center (NHC) reported microwave data suggest the center is near or south of the main area of thunderstorms, which is a sign of the ongoing southwesterly shear.

At 5 a.m. EDT (0900 UTC) on Aug. 19 the center

of Tropical Storm Fiona was located near 17.6 degrees north latitude and 42.7 degrees west longitude. That's about 1,240 miles (1,995 km) west of the Cape Verde Islands.

Fiona was moving toward the west-northwest near 10 mph (17 kph), and this general motion with some increase in forward speed is expected over the next couple of days. Maximum sustained winds are near 45 mph (75 kph) with higher gusts. The estimated minimum central pressure is 1006 millibars.

NHC forecaster Blake said that "Little significant change is expected with Fiona's intensity today due to gradually increasing shear. The storm should weaken over the weekend as the shear further increases, along with the likely entrainment of drier mid-level air."

Provided by NASA's Goddard Space Flight Center

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