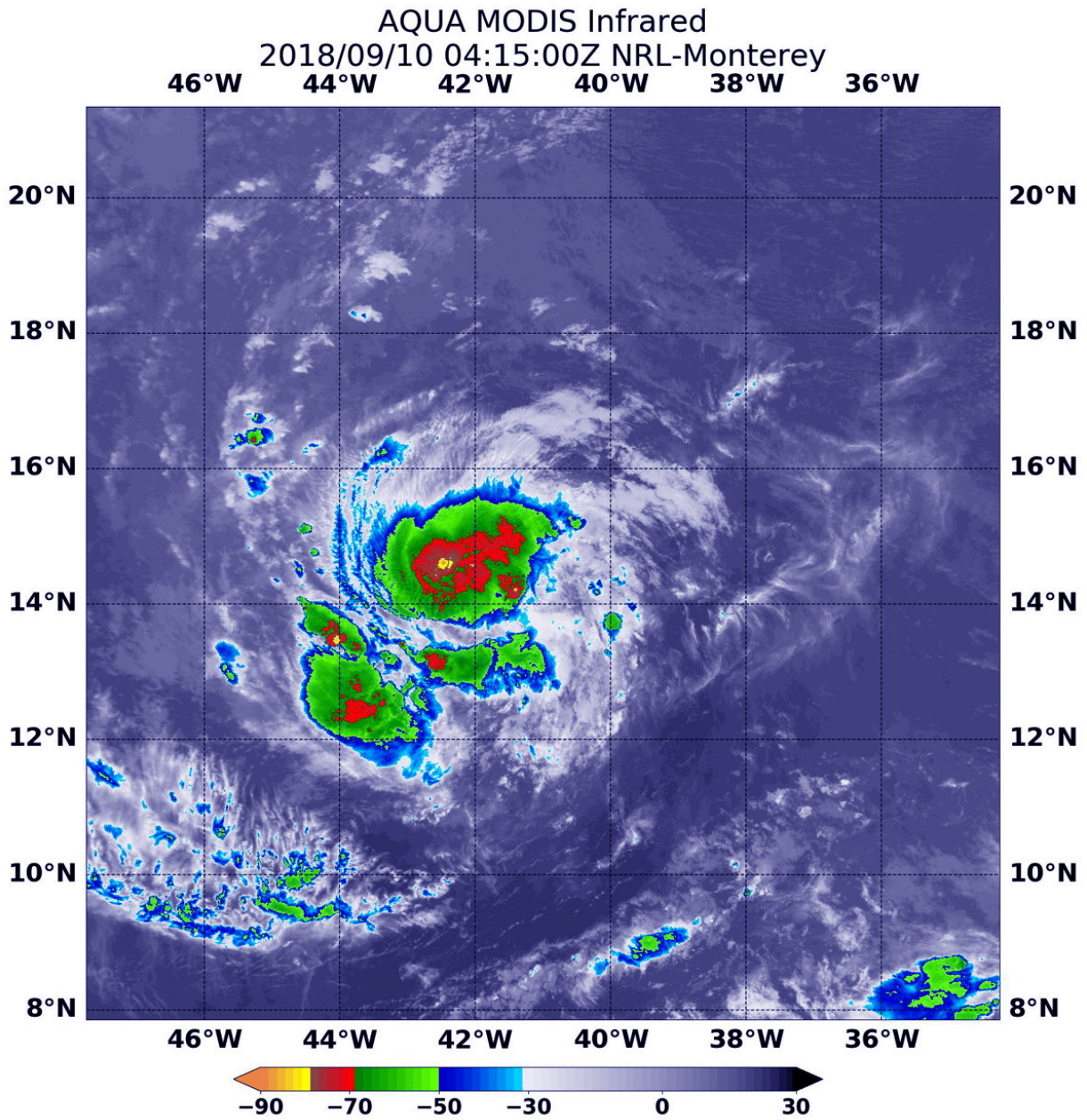


NASA covers Hurricane Isaac's ragged center

September 11 2018



At 12:15 a.m. EDT (0415 UTC) on Sept. 10, 2018 the MODIS instrument aboard NASA's Aqua satellite looked at Hurricane Isaac in infrared light. MODIS found coldest cloud tops (red) had temperatures near minus 70 degrees Fahrenheit (minus 56.6 degrees Celsius) around the center. Credit: NASA/NRL

NASA's Aqua satellite found a thick ring of powerful storms around Hurricane Isaac's ragged eye and southwest of center on Sept. 10.

Infrared satellite data at 12:15 a.m. EDT (0415 UTC) on Sept. 10 from the Moderate Resolution Imaging Spectroradiometer or MODIS instrument aboard NASA's Aqua [satellite](#) revealed powerful storms circling Isaac's center and in fragmented bands southwest of the center. In those areas, MODIS found coldest cloud tops had temperatures near minus 70 degrees Fahrenheit (minus 56.6 degrees Celsius). NASA research has found that cloud top temperatures that cold have the capability to generate heavy rainfall.

The National Hurricane Center observed "Isaac's cloud pattern is currently a bit ragged-looking, with an irregular central dense overcast and limited convective banding [of thunderstorms]."

At 11 a.m. EDT (1500 UTC), the National Hurricane Center or NHC noted the center of Hurricane Isaac was located near latitude 14.7 North, longitude 43.9 West. That's about 1,150 miles (1,855 km) east of the Windward Islands. Isaac is moving toward the west near 14 mph (22 kph). A westward motion with a slight increase in forward speed is expected through the end of the week.

Maximum sustained winds are near 75 mph (120 kph) with higher gusts. Additional strengthening is expected over the next day or two. Weakening is forecast to begin by the middle of the week as Isaac

approaches the Lesser Antilles.

On the forecast track, Isaac should move across the Lesser Antilles and into the eastern Caribbean Sea on Thursday.

Provided by NASA's Goddard Space Flight Center

Citation: NASA covers Hurricane Isaac's ragged center (2018, September 11) retrieved 23 April 2024 from <https://phys.org/news/2018-09-nasa-hurricane-isaac-ragged-center.html>

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