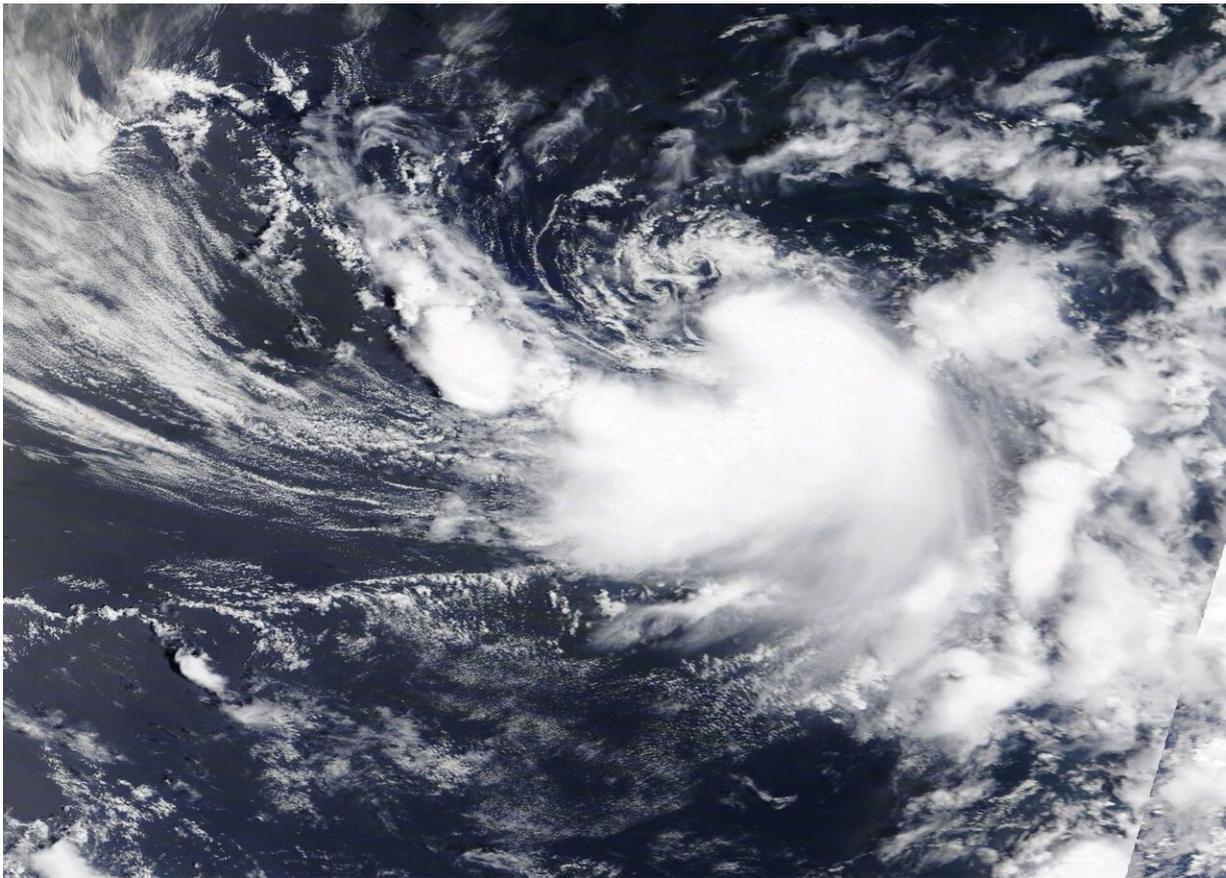


# NASA satellite gives a hello to tropical storm Dolly

June 23 2020

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NASA's Terra satellite provided a visible image of Tropical Storm Dolly in the western North Atlantic Ocean on June 23, 2020 at 1:30 p.m. EDT. Credit: NASA Worldview

During the morning of June 23, the fourth system in the Northern Atlantic Ocean was a subtropical depression. By the afternoon, the subtropical depression took on tropical characteristics and was renamed Dolly. NASA's Terra satellite greeted Tropical Storm Dolly by taking an image of the new tropical storm.

At 1 p.m. EDT (1700 UTC), the National Hurricane Center (NHC) classified Dolly as a tropical storm. The NHC Discussion said, "A (9:48 a.m. EDT) 1348 UTC an ASCAT-A scatterometer [a [satellite instrument](#) that measures [wind speed](#) and direction] pass, arriving just after the previous advisory was issued, indicates that the cyclone is producing winds of 35 to 40 knots (40 to 46 mph/65 to 74 kph) in its southern semicircle. In addition, the radius of maximum winds has contracted to about 40 nautical miles. This, along with the current convective pattern, suggests that the system has made a transition from a subtropical to a tropical cyclone, and it has been designated as Tropical Storm Dolly."

The center of Tropical Storm Dolly was located near latitude 39.4 degrees north and longitude 61.7 degrees west. That is about 370 miles (600 km) south-southeast of Halifax, Nova Scotia, Canada. Dolly was moving toward the east-northeast near 13 mph (20 kph). A turn toward the northeast with an increase in forward speed is expected tonight and on Wednesday, June 24.

Satellite-derived [wind](#) data indicate that maximum sustained winds have increased to near 45 mph (75 kph) with higher gusts. Tropical-storm-force winds extend outward up to 70 miles (110 km) to the south of the center. The estimated minimum central pressure is 1002 millibars.

The Moderate Resolution Imaging Spectroradiometer or MODIS instrument that flies aboard NASA's Terra satellite captured a visible image of Tropical Storm Dolly in the western North Atlantic Ocean on June 23, 2020 at 1:30 p.m. EDT. The image showed a thick band of

thunderstorms wrapping around the center from the southern to the eastern quadrant of the [storm](#). The image was created by NASA Worldview at NASA's Goddard Space Flight Center in Greenbelt, Md.

The National Hurricane Center said, "Weakening is forecast during the next day or two as Dolly moves over colder waters, and the system is expected to become post-tropical on Wednesday. The low should then dissipate by early Thursday."

NASA's Terra satellite is one in a fleet of NASA satellites that provide data for hurricane research.

Tropical cyclones/hurricanes are the most powerful weather events on Earth. NASA's expertise in space and [scientific exploration](#) contributes to essential services provided to the American people by other federal agencies, such as hurricane weather forecasting.

Provided by NASA's Goddard Space Flight Center

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