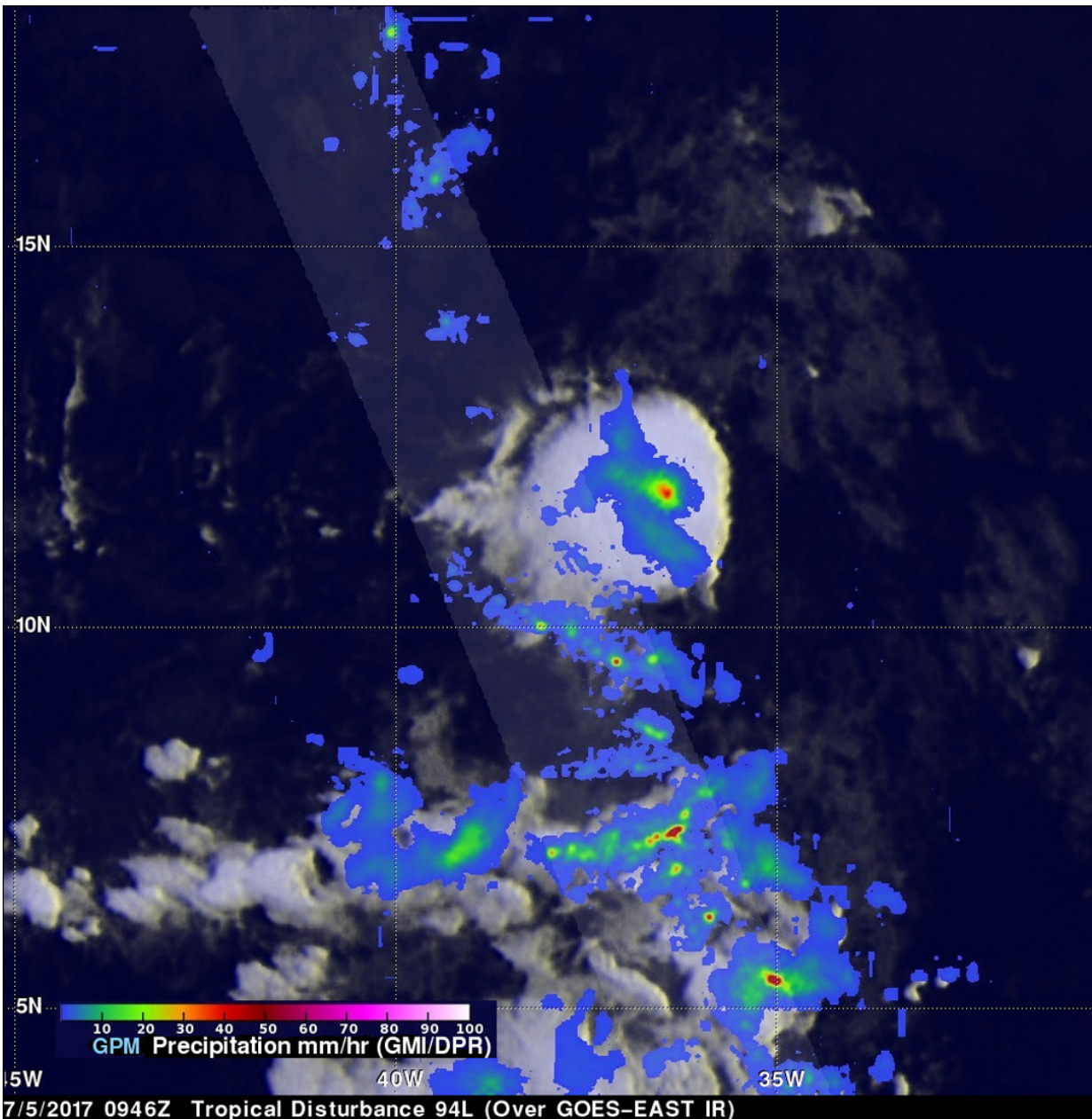


NASA sees Central Atlantic Ocean's forming Tropical Depression 4

July 6 2017



On July 5, 2017 at 5:47 a.m. EDT (0947 UTC) the GPM satellite found precipitation falling at rate of over rain was coming down at a rate of greater than 44.2 mm (1.74 inches) per hour in one cluster of storms, southwest of that area, heavier rain was falling at 116 mm (4.6 inches) per hour. Credit: NASA/JAXA, Hal Pierce

As Tropical Depression 4 was getting organized in the central Atlantic Ocean the Global Precipitation Measurement Mission or GPM satellite peered into the storm and measured rainfall within. The system became Tropical Depression 4 on July 6.

The GPM core observatory satellite flew over the [low pressure](#) system on July 5, 2017 at 5:47 a.m. EDT (0947 UTC). GPM's Microwave Imager (GMI) and Dual-frequency Precipitation Radar (DPR) showed that heavy showers were located in this area. GPM's GMI data indicated that rain was coming down at a rate of greater than 44.2 mm (1.74 inches) per hour in one cluster of storms. GPM's radar (DPR Ku band) measured precipitation falling at rate of over 116 mm (4.6 inches) per hour in a line of thunderstorms southwest of that cluster.

By 0300 UTC on July 6 (11 p.m. EDT on July 5), the low pressure area consolidated enough to be classified as a [tropical depression](#).

At 0900 UTC (5 a.m. EDT) on July 6 the center of Tropical Depression Four was located near latitude 13.2 degrees north and longitude 40.0 degrees west. That's about 1,435 miles (2,305 km) east of the Lesser Antilles and far from land. The depression is moving toward the west-northwest near 16 mph (26 kph). A continued west-northwestward motion with an additional increase in forward speed is expected over the next 48 hours.

Maximum sustained winds are near 30 mph (45 kph) with higher gusts. Little change in strength is forecast during the next 48 hours, and the depression is not currently expected to become a tropical [storm](#). The estimated minimum central pressure is 1008 millibars.

The National Hurricane Center expects the depression to remain a [depression](#) over the next several days as it tracks toward the Bahamas. There are no coastal watches or warnings in effect. If Tropical Depression 4 does reach tropical storm status it would be named "Don."

Provided by NASA's Goddard Space Flight Center

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