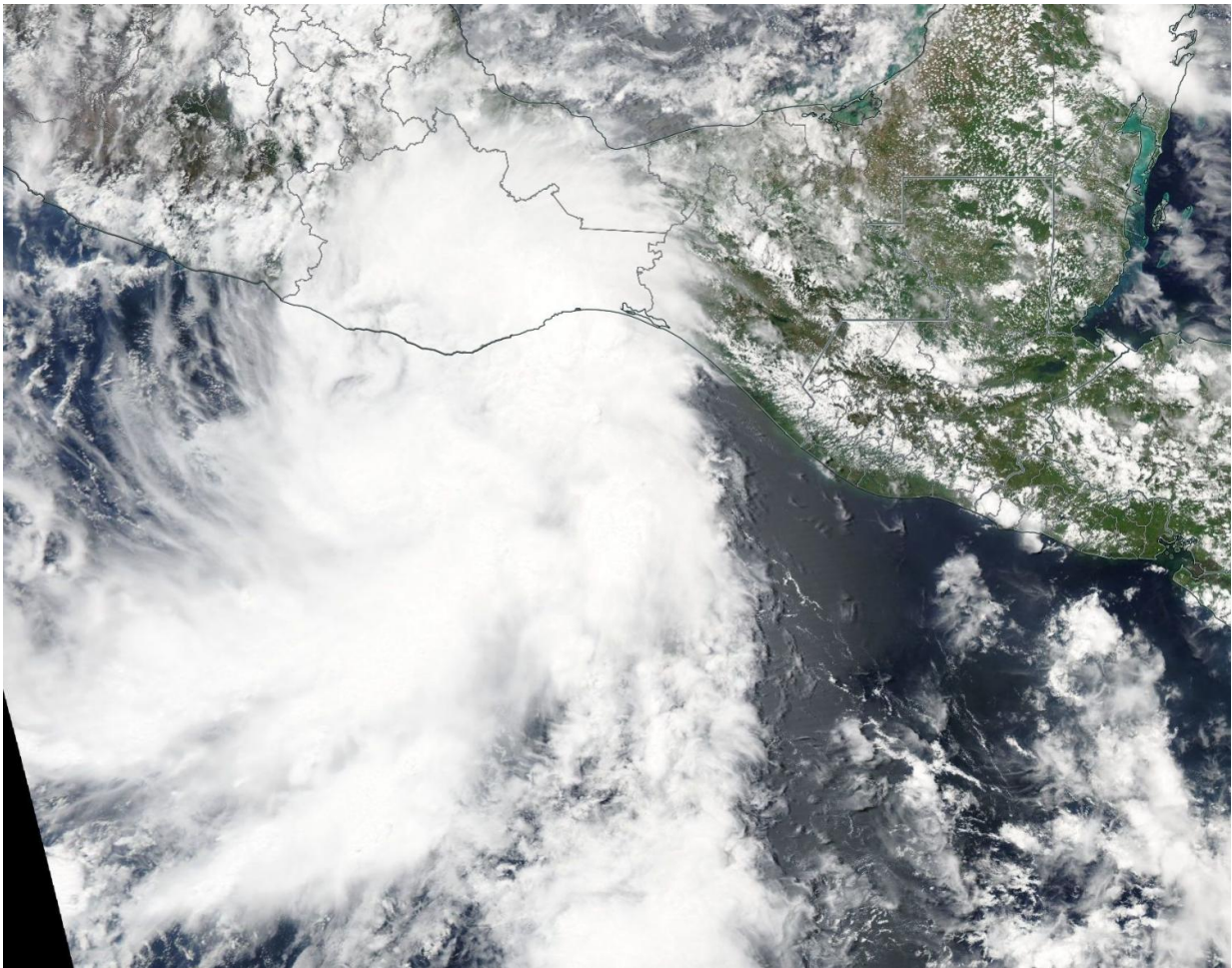


NASA sees Tropical Depression 2E moving over Mexican state of Oaxaca

June 1 2017



This visible image of Tropical Depression 2E from NASA's Aqua satellite was taken on June 1 at 0741 UTC (3:41 a.m. EST) from the MODIS instrument aboard NASA's Aqua satellite as the storm started moving over southern Mexico. Credit: NASA Goddard MODIS Rapid Response Team

NASA's Aqua satellite analyzed Tropical Depression 2E in infrared, visible and microwave light as it began its landfall on June 1, bringing heavy rains to southern Mexico.

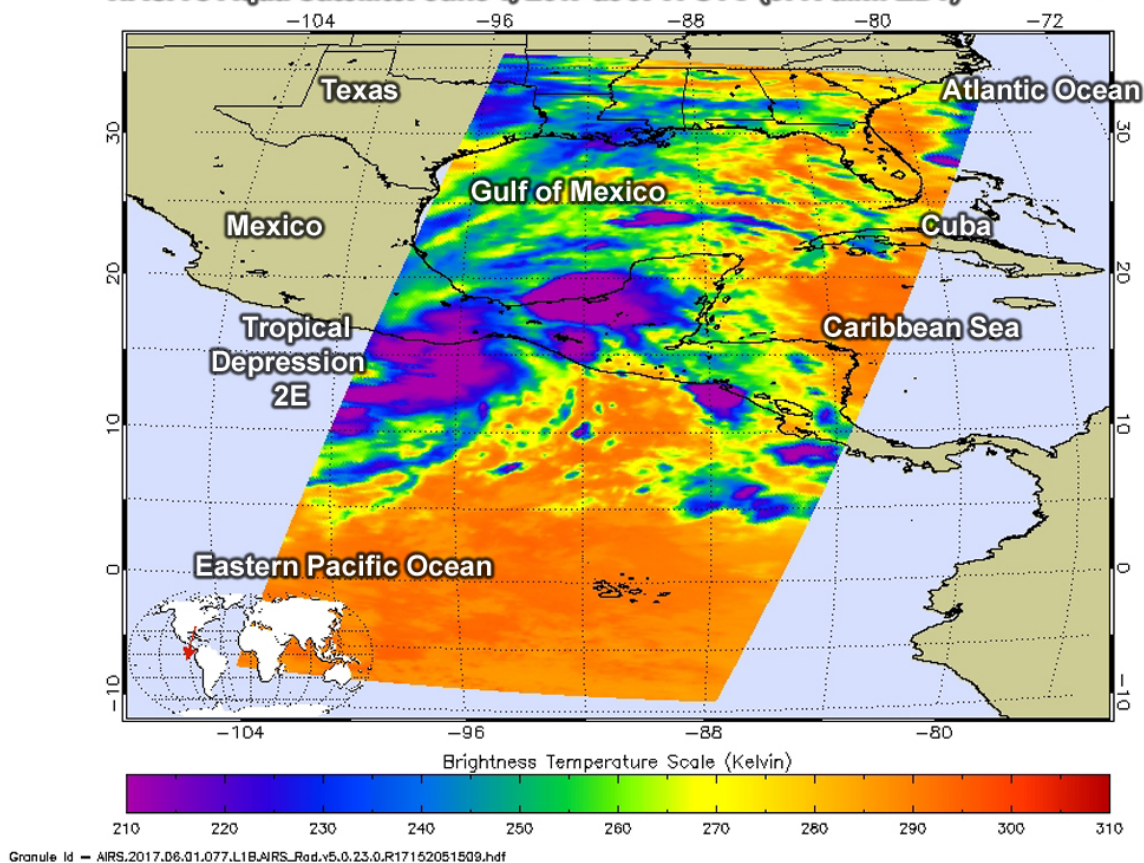
Tropical Depression 02E (TD2E) formed on May 31 and has not strengthened, likely due to its close proximity to the coast of southern Mexico. The National Hurricane Center (NHC) said that Tropical Depression 2E's "central convection has decreased somewhat, with the primary convection now in a large band over the southeastern semicircle."

The Atmospheric Infrared Sounder or AIRS instrument aboard NASA's Aqua satellite looked at Tropical Depression 2E in [infrared light](#). The AIRS image was taken on June 1 at 7:41 UTC (3:41 a.m. EST) and showed some cloud top temperatures of thunderstorms near the center of circulation as cold as minus 63 degrees Fahrenheit (minus 53 degrees Celsius). NASA research has shown the storms with cloud tops that cold have the potential to generate heavy rainfall. The image shows that the northern quadrant containing those strong storms extended over southern Mexico.

The infrared data was false-colored at NASA's Jet Propulsion Laboratory in Pasadena, California, where AIRS data is managed.

The MODIS instrument aboard Aqua captured a visible image of Tropical Depression 2E at the same time as the AIRS instrument. The MODIS image clearly showed the northern extent of TD2E over the Mexican state of Oaxaca.

Infrared data of Tropical Depression 2E from the AIRS instrument aboard NASA's Aqua Satellite: June 1, 2017 at 0741 UTC (3:41 a.m. EDT)



This infrared image of Tropical Depression 2E from NASA's Aqua satellite was taken on June 1 at 0741 UTC (3:41 a.m. EST) and showed some very cold (purple) cloud top temperatures of thunderstorms in the elongated depression. Credit: NASA JPL/Ed Olsen

A Tropical Storm Warning is in effect for the Pacific coast of Mexico from Salina Cruz to Puerto Escondido.

The NHC noted at 11 a.m. EDT on June 1 the center of TD2E was located near latitude 15.4 degrees North and longitude degrees 97.1 West. That's about 45 miles (70 km) west-southwest of Puerto Angel,

Mexico and about 215 miles (340 km) east-southeast of Acapulco, Mexico.

NHC said "The [depression](#) is moving toward the north-northeast near 6 mph (9 kph) and this motion is expected to continue through Friday. On the forecast track, the center of the tropical cyclone is expected to move inland across the state of Oaxaca later today or tonight. Maximum sustained winds are near 35 mph (55 kph) with higher gusts."

There's a chance that the depression could still become a tropical storm before landfall.

After landfall, the system is expected to weaken and dissipate on Friday over the mountains of southeastern Mexico.

Provided by NASA's Goddard Space Flight Center

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