

# Satellite sees two tropical cyclones chase Tropical Storm Daniel

July 10 2012

---



NOAA's GOES-15 satellite captured the three tropical cyclones spinning in the eastern Pacific Ocean today, July 10, 2012, at 1200 UTC (8 a.m. EDT). Tropical Storm Daniel is farthest west, followed by major hurricane Emilia, and developing low pressure System 98E. Credit: NASA/NOAA GOES Project

A panoramic satellite image shows an active eastern Pacific Ocean with three tropical systems that appear to be chasing each other. Tropical Storm Daniel approaching the central Pacific Ocean, with major Hurricane Emilia further east, and a developing low pressure area east of Emilia.

In an image captured by NOAA's GOES-15 satellite, all three [tropical cyclones](#) were seen spinning in the eastern [Pacific Ocean](#) on July 10, 2012 at 1200 UTC (8 a.m. EDT). Daniel has weakened from a [hurricane](#)

to a [tropical storm](#) and appears smaller than Hurricane Emilia. Daniel is about 180 miles in diameter, while Emilia is over 250 miles in diameter. System 98E, the low pressure system east of Emilia, is dwarfed by the large hurricane. NOAA manages the GOES-15 satellite, and NASA's GOES Project at the NASA Goddard Space Flight Center in Greenbelt, Md. uses the data to create images and animations of weather around the U.S.

Tropical Storm Daniel's winds were now down to 65 mph (100 kmh). At 8 a.m. PDT/11 a.m. EDT, the center of Tropical Storm Daniel was located near latitude 15.3 north...longitude 135.1 west. That's about 1,350 miles (2, 175 km) east of Hilo, Hawaii. It is moving west near 16 mph (26 kmh) and is expected to keep moving in that direction over the next couple of days. Daniel is expected to weaken to tropical depression status by July 11.

On July 10 at 5 a.m. EDT, Emilia's [maximum sustained winds](#) were near 140 mph (220 kmh). By 11 a.m. EDT, Emilia's maximum sustained winds dropped to 130 mph (215 kmh) and was still holding onto Category 4 hurricane status. Emilia was located about 685 miles (1100 km) south-southwest of the southern tip of Baja California. Emilia is moving at 10 [mph](#) (17 kmh) to the west-northwest.

System 98E is slowly coming together, and has a 40 percent chance of becoming a tropical depression in the next day or two.

Provided by NASA's Goddard Space Flight Center

Citation: Satellite sees two tropical cyclones chase Tropical Storm Daniel (2012, July 10)  
retrieved 10 April 2024 from  
<https://phys.org/news/2012-07-satellite-tropical-cyclones-storm-daniel.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.