

Terra satellite eyes tropical storm Alvin

June 27 2019, by Rob Gutro



On June 27, 2019, the MODIS instrument aboard NASA's Terra satellite provided a visible image of Tropical Cyclone Alvin, located over 500 miles west of Baja California, Mexico. Credit: NASA Worldview, Earth Observing System Data and Information System (EOSDIS)

Visible imagery from NASA's Terra satellite showed Tropical Storm Alvin had organized and strengthened into a strong tropical storm, just

over 500 miles from Mexico's Baja California peninsula.

On June 27, the Moderate Resolution Imaging Spectroradiometer or MODIS instrument aboard NASA's Terra satellite provided a visible image of Alvin. Satellite imagery revealed that Alvin's clouds appeared more organized than they did the previous day.

Recent microwave imagery also showed that Alvin's "convective structure," or the development and organization of thunderstorms around the low-level center) has improved during the morning of June 27. AT 6:57 a.m. EDT (1057 UTC). The Special Sensor Microwave/Imager (SSM/I) instrument aboard Defense Meteorological Satellite Program satellite showed a closed ring of convection (clouds and storms) around the mid-level center of the small tropical storm. Infrared [satellite imagery](#) revealed that Alvin has not changed significantly.

NOAA's National Hurricane Center (NHC) reported at 11 a.m. EDT (1500 UTC), the center of Tropical Storm Alvin was located near latitude 15.8 degrees north and longitude 113.1 degrees west. That's about 535 miles (855 km) south-southwest of the southern tip of Baja California.

Maximum sustained winds are near 60 mph (95 kph) with higher gusts. Alvin is moving toward the west-northwest near 14 mph (22 kph), and this general motion is expected to continue for the next day or so. The estimated minimum central pressure is 999 millibars (29.50 inches).

Some strengthening is possible during the next 24 hours before Alvin reaches cooler waters. Weakening is the expected to begin on Friday and the NHC said Alvin is forecast to become a remnant low on Saturday.

Provided by NASA's Goddard Space Flight Center

Citation: Terra satellite eyes tropical storm Alvin (2019, June 27) retrieved 29 June 2024 from <https://phys.org/news/2019-06-terra-satellite-eyes-tropical-storm.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.