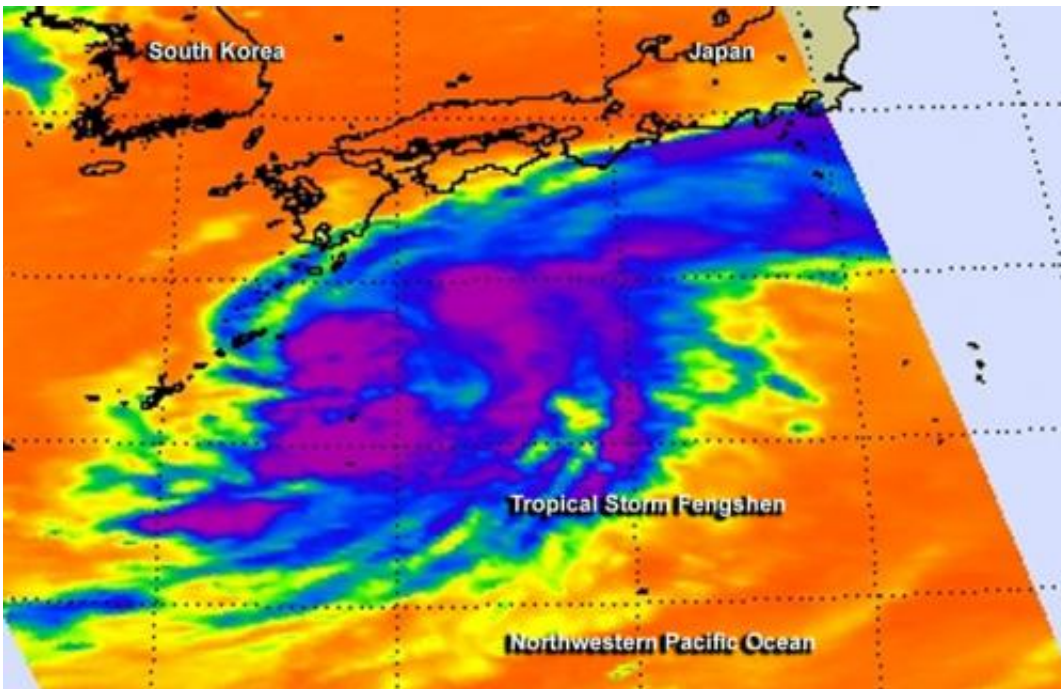


NASA sees large Tropical Storm Fengshen skirting eastern Japan's coastline

September 8 2014, by Rob Gutro



The AIRS instrument aboard NASA's Aqua satellite captured this infrared look at Tropical Storm Fengshen east of Japan on Sept. 8. Credit: NASA JPL, Ed Olsen

Tropical Storm Fengshen is a large storm and infrared imagery from NASA's Aqua satellite shows that it's about as long as the big island of Japan.

NASA's Aqua satellite passed over Tropical Storm Fengshen on

September 7 and the Atmospheric Infrared Sounder instrument known as AIRS gathered temperature data about the storm's [cloud tops](#) and surrounding [sea surface temperatures](#). The [infrared data](#) showed strong thunderstorms surrounded the center of circulation and also appeared in large bands south and northeast of the storm's center. Another large and fragmented band on strong thunderstorms stretched to the northeast of the center of the storm and ran northeastward along Japan's east coast.

On September 8 at 1500 UTC (11 a.m. EDT), Tropical Storm Fengshen had maximum sustained winds near 55 knots (63.2 mph/102 kph). It was moving to the east-northeast at 23 knots (26.4 mph/42.6 kph) and away from the big island of Japan. Fengshen was centered near 31.4 north latitude and 140.6 east longitude about 264 nautical miles (303 miles/488.9 km) south of Yokosuka, Japan. For a list of warnings in Japan, visit the Japan Meteorological Agency website:

<http://www.jma.go.jp/en/warn/>.

Microwave satellite data on September 8, showed an eye with strong thunderstorms banding north of the center of circulation and wrapping into it. That microwave data was taken from the MetOp-B satellite. MetOp is a series of three polar orbiting [meteorological satellites](#) operated by the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT).

Fengshen is expected to intensify to typhoon strength before undergoing extra-tropical transitioning as it continues to move east and away from Japan.

Provided by NASA's Goddard Space Flight Center

Citation: NASA sees large Tropical Storm Fengshen skirting eastern Japan's coastline (2014, September 8) retrieved 26 April 2024 from <https://phys.org/news/2014-09-nasa-large-tropical->

[storm-fengshen.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.