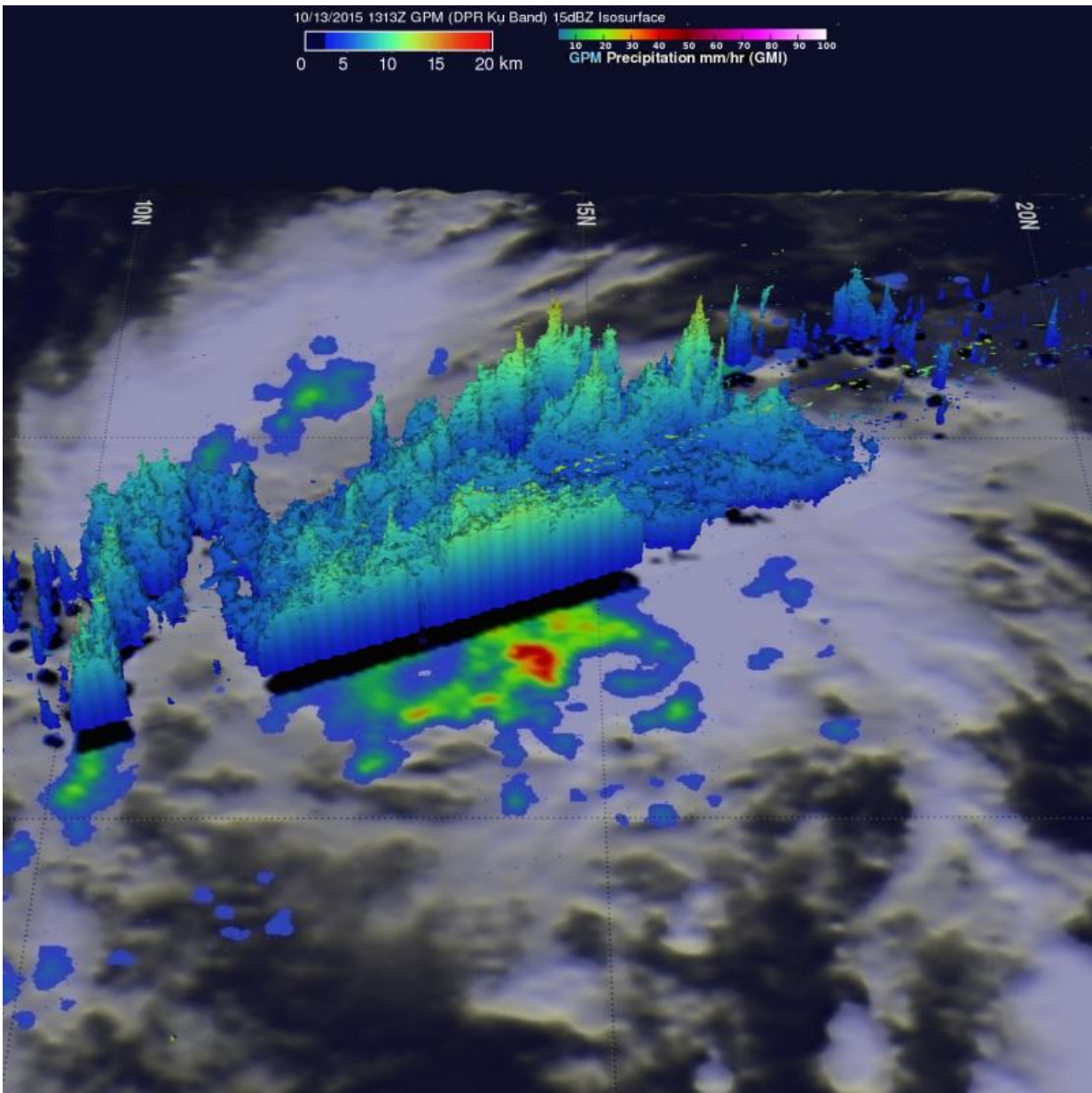


# GPM sees heavy rainfall in intensifying Tropical Depression Champi

October 14 2015



GPM core observatory satellite saw TD25W on Oct. 13, 2015, at 1313 UTC (9:13 a.m. EDT) and found moderate to heavy rainfall falling at a rate of up to 67 mm (2.6 inches) per hour. Credit: NASA/JAXA/SSAI, Hal Pierce

The Global Precipitation Measurement (GPM) mission core satellite found moderate to heavy rainfall occurring in Tropical Depression Champi before it strengthened into a tropical storm.

Tropical Depression Twenty Five (TD25W) formed on Tuesday, October 13 east of Guam. The GPM core observatory satellite saw TD25W on October 13, 2015 at 1313 UTC (9:13 a.m. EDT) and found moderate to [heavy rainfall](#) falling at a rate of up to 67 mm (2.6 inches) per hour.

At NASA's Goddard Space Flight Center in Greenbelt, Maryland a 3-D image was made using GPM's Dual-Frequency Precipitation Radar (DPR) data where the Ku Band data sliced through the western side of the [tropical depression](#).

By October 14 at 0900 UTC (5 a.m. EDT), Tropical Depression 25W had strengthened into a [tropical storm](#) and was renamed Tropical Storm Champi. At that time, Champi was centered near 14.9 North latitude and 156.4 East longitude, about 614 nautical miles (706.6 miles/1,137 km) east of Saipan. Champi was moving to the west-northwest at 20 knots (23 mph/37 kph). Maximum sustained winds were near 35 knots (40 mph/64 kph).

The Joint Typhoon Warning Center forecast calls for Champi to move west-northwest and pass to the north of Guam. After passing Guam it is expected to peak in intensity near 110 knots (126.6 mph/203.7 kph) on October 18.

Provided by NASA's Goddard Space Flight Center

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