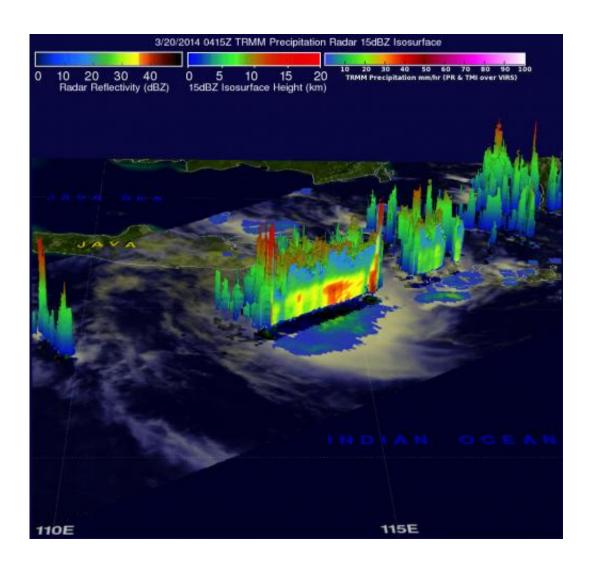


NASA sees ex-Tropical Cyclone Gillian's remnants persist

March 20 2014



TRMM passed above Gillian's remnants on March 20, 2014, and this 3-D simulation of TRMM data showed several of the tallest thunderstorms in Gillian's remnants were reaching heights of over 15.75 km/9.8 miles. Credit: NASA/SSAI, Hal Pierce



NASA's TRMM satellite continues to follow the remnants of former Tropical Cyclone Gillian as it moved from the Southern Pacific Ocean into the Southern Indian Ocean where it appears to be re-organizing.

The persistent remnants of tropical cyclone Gillian have moved westward over 2,700 km/1,674 miles since forming in the Gulf of Carpentaria on March 8, 2014.

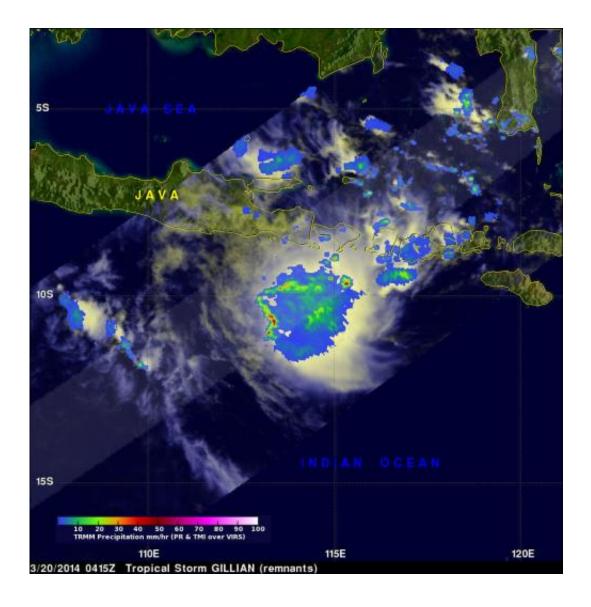
Gillian's coherent remnants were located just to the southeast of the Indonesian island of Java when the Tropical Rainfall Measuring Mission or TRMM satellite flew overhead on March 20, 2014 at 0415 UTC/12:15 a.m. EDT. TRMM's Precipitation Radar (PR) instrument revealed that intense convective storms in this area were still dropping rain at a rate of over 97 mm/3.8 inches per hour and returning radar reflectivity values of over 51dBZ. TRMM PR data were used to create a simulated 3-D view that showed the vertical structure of precipitation within the stormy area contained towering thunderstorms.

The Joint Typhoon Warning Center noted that animated enhanced satellite imagery on March 20 showed flaring deep convection associated with a slowly-consolidating low-level circulation center.

On March 20, the Tropical Cyclone Warning Centre in Jakarta noted that Gillian's remnants had maximum sustained winds near 25 knots/28.7 mph/46.3 kph. It was centered near 9.4 south and 119.0 east, about 233 nautical miles/ 268.1 miles/431.5 km east of South Kuta, Bali, Indonesia.

TCWC issued watches and warnings for parts of the Indonesia archipelago in Bahasa.





On March 20, NASA's TRMM satellite saw that some thunderstorms within Gillian's remnants were dropping rain at a rate of over 97 mm/3.8 inches per hour. Credit: NASA/SSAI, Hal Pierce

Warm <u>sea surface temperatures</u> and low vertical wind shear are expected to assist in Gillian's redevelopment. The Joint Typhoon Warning Center gives Gillian a medium chance for regeneration in the next 24 hours.

Provided by NASA's Goddard Space Flight Center



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