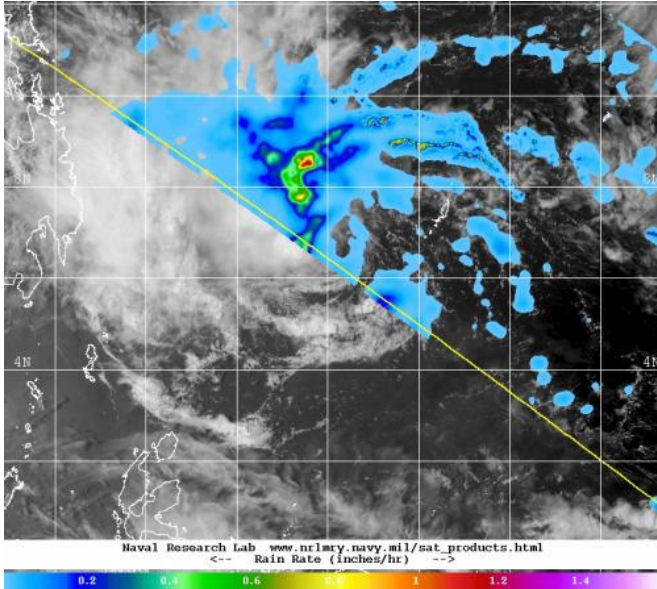


Tropical Cyclone Peipah passes Palau, Philippines prepare

7 April 2014, by Rob Gutro



This composite TRMM and MTSAT-2 satellite image taken on April 7 shows the bulk of Peipah's clouds and showers pushed west-northwest of the storm's center. Heaviest rainfall was occurring at a rate of 1 inch/25 mm per hour (red) northwest of the center. Credit: NRL/NASA/JAXA

Tropical Cyclone Peipah passed the island of Palau on April 5 moving through the Northwestern Pacific Ocean as it heads for a landfall in the Philippines. Peipah was formerly known as Tropical Cyclone 05W and was renamed when it reached tropical storm-force. Since then, however, wind shear has weakened the storm to a tropical depression.

On April 5 at 2100 UTC/5 p.m. EDT, Tropical Storm 05W, renamed Peipah (and known locally in the Philippines as Domeng) was located about 262 nautical miles east-southeast of Koror. It was centered near 5.5 north and 137.8 east and moving to the west-northwest at 8 knots/9.2 mph/14.8 kph. Maximum sustained winds were

near 35 knots/40 mph/62 kph.

The VIIRS instrument that flies aboard NASA-NOAA's Suomi NPP satellite captured an infrared image of Peipah on April 5 at 16:27 UTC/12:27 p.m. EDT. It showed strong thunderstorms west of the center of circulation as a result of moderate to strong easterly wind shear. That wind shear continued over the next two days as two other satellites saw the same effect.

By April 7 at 0900 UTC/5 a.m. EDT, Peipah had weakened to a [tropical depression](#) with [maximum sustained winds](#) near 25 knots/28.7 mph/46.3 kph. It was located near 6.4 north and 132.1 east, about 819 nautical miles southeast of Manila, Philippines. Peipah was moving to the west-southwest at 15 knots/17.2 mph/27.8 kph and is expected to turn to the west-northwest making landfall in northeastern Mindanao before moving through the central or Visayas region. Mindanao is the second largest and southernmost major island in the Philippines.

Satellite imagery on April 7 continued to show that the main convection and thunderstorms were still being pushed to the west-northwest of the center as a result of vertical [wind shear](#). An image Peipah showing clouds and rainfall was created by the Naval Research Laboratory that combines rainfall rate data from NASA's TRMM satellite with cloud imagery from Japan's MTSAT-2 satellite. The images, taken at 0544 UTC/1:44 a.m. EDT and 5:23 UTC/1:23 a.m. EDT, respectively show the clouds and showers pushed to the west-northwest of the center. The TRMM data showed that the heaviest rainfall was occurring at a rate of 1 inch/25 mm per hour northwest of the center.

The Philippine Atmospheric, Geophysical and Astronomical Services Administration issued a Tropical Cyclone Warning for Shipping on April 7.

Peipah continues to move west-northwest toward the Philippines and the Joint Typhoon Warning

Center forecasters do not expect the storm to intensify much before landfall.

Provided by NASA's Goddard Space Flight Center

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