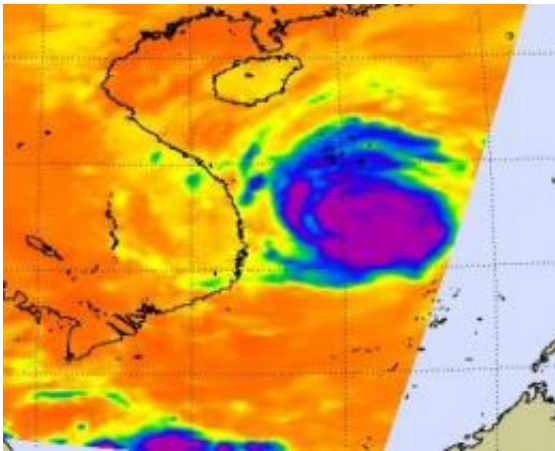


Mirinae floods Philippines, makes landfall in Vietnam with strong thunderstorms

November 2 2009



NASA's Aqua satellite AIRS instrument captured Tropical Storm Mirinae Nov. 1 while it was tracking toward Vietnam for a final landfall. The infrared imagery still showed some high thunderstorms (purple), despite a weakening storm. Look closely to see the eye. Credit: NASA JPL, Ed Olsen

Mirinae (Santi) caused 12 hours of flooding rains in the Philippines when it crossed the northern Luzon region over the weekend. On October 31 at 5 a.m. Local (Asia/Manila) Time (October 30 at 2100 UTC) Typhoon Mirinae weakened dramatically after it moved inland over central Luzon, the Philippines. By October 31 at 5 p.m. Local time, Mirinae had already reemerged into the South China Sea as a tropical storm and was headed for Vietnam, but it left behind floods, destruction and death. Mirinae made landfall in Vietnam early this morning, Eastern Time.

NASA's Aqua satellite captured an image of Mirinae as it tracked through the South [China Sea](#) yesterday, November 1 and had [maximum sustained winds](#) near 57 mph. The storm still maintained good formation, and Aqua's Atmospheric Infrared Sounder (AIRS) instrument still showed some high thunderstorms implying moderate to heavy rainfall, within. The [infrared imagery](#) also showed an eye in the storm, where the clouds were lower and warmer. The surrounding clouds had temperatures colder than -63F than those in the "eye."

By November 2 at 10 a.m. EDT or 7 p.m. local (Asia/Ho_Chi_Minh) time in Vietnam, Tropical Storm Mirinae had already crossed the South China Seas and made landfall in Vietnam. It made landfall around 1 a.m. EDT this morning, November 2. By 10 a.m. EDT today, it was located 155 miles northeast of Ho Chi Minh, Vietnam, near 12.7 North and 108.5 East. Mirinae had maximum sustained winds near 52 mph, and was moving west near 14 mph.

Mirinae is now dissipating over Vietnam and western Cambodia. The storm's remnants could move into the Gulf of Thailand, but Mirinae isn't expected to regenerate.

When Mirinae, or Santi as it was called in the Philippines, tracked over northern Luzon, it dropped copious amounts of rainfall causing serious flooding, power outages and [landslides](#) taking at least 10 lives. More than 10,000 people in 54 villages were reported affected.

When Mirinae left Luzon and entered the South [China](#) Sea late on October 31, its maximum sustained winds were down to 63 mph (55 knots) and it was a [tropical storm](#). Early this morning it made its final [landfall](#) in Vietnam.

Today brings a day of clean up in Luzon, but an awareness of yet another tropical threat. 320 miles northeast of Manila in the Philippine Sea,

another tropical depression has formed and it may track over the northern Philippines in the next several days.

Source: JPL/NASA ([news](#) : [web](#))

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