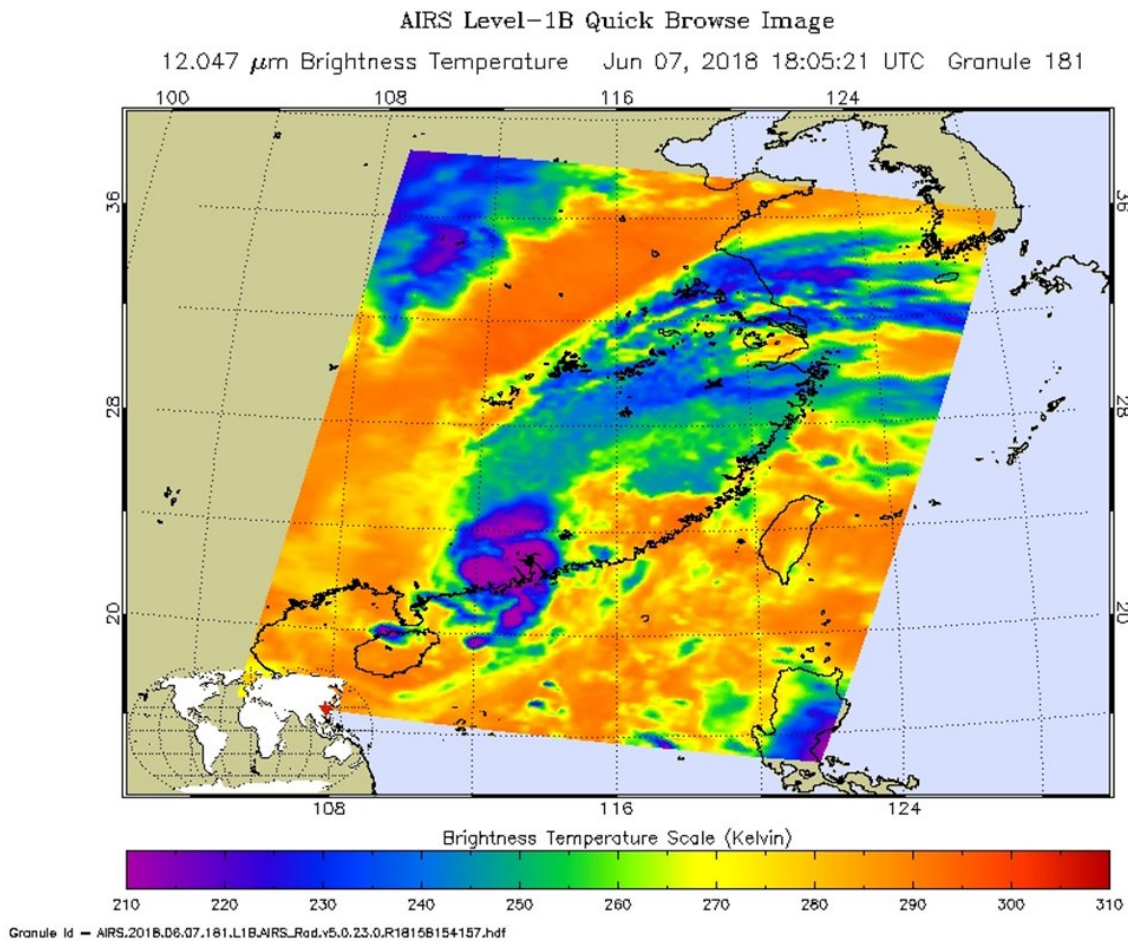


Tropical Storm Ewinar landfall in China seen by NASA's Aqua satellite

June 8 2018



NASA's Aqua satellite passed over Tropical Depression Ewinar on June 7 at 2:05 p.m. EDT (1805 UTC) and saw coldest cloud top temperatures (purple) around the center of circulation in a small area on the southeastern China coast. Credit: NASA JPL/Ed Olsen

When NASA's Aqua satellite passed over the South China Sea on June 7 infrared imagery showed Tropical Storm Ewiniar's center made landfall in southeastern China.

NASA's Aqua satellite passed over Tropical Storm Ewiniar on June 7 at 2:05 p.m. EDT (1805 UTC). The Atmospheric Infrared Sounder or AIRS instrument analyzed the storm in infrared light which provides temperature information. Temperature is important when trying to understand how strong storms can be. The higher the cloud tops, the colder and the stronger they are.

AIRS saw coldest cloud top temperatures in a small area around the center of circulation. Those cloud top temperatures were as cold as minus 63 degrees Fahrenheit (minus 53 degrees Celsius). Storms with cloud top temperatures that cold have the capability to produce heavy rainfall. Bands of thunderstorms extended far to the northeast of the center, but [cloud tops](#) in them were a lot warmer, meaning the storms were weaker.

The Joint Typhoon Warning Center of JTWC issued their final warning on Ewiniar on June 7 at 5 p.m. EDT (2100 UTC). At that time, Ewiniar was centered near latitude 22.3 degrees north and longitude 112.3 degrees west. That's about 106 nautical miles west of Hong Kong, China. Ewiniar is moving toward the north-northeast. Maximum sustained winds were near 40 mph (35 knots) but the [storm](#) was weakening rapidly after making landfall.

Ewiniar is forecast to dissipate by June 9 over southern China.

Provided by NASA's Goddard Space Flight Center

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