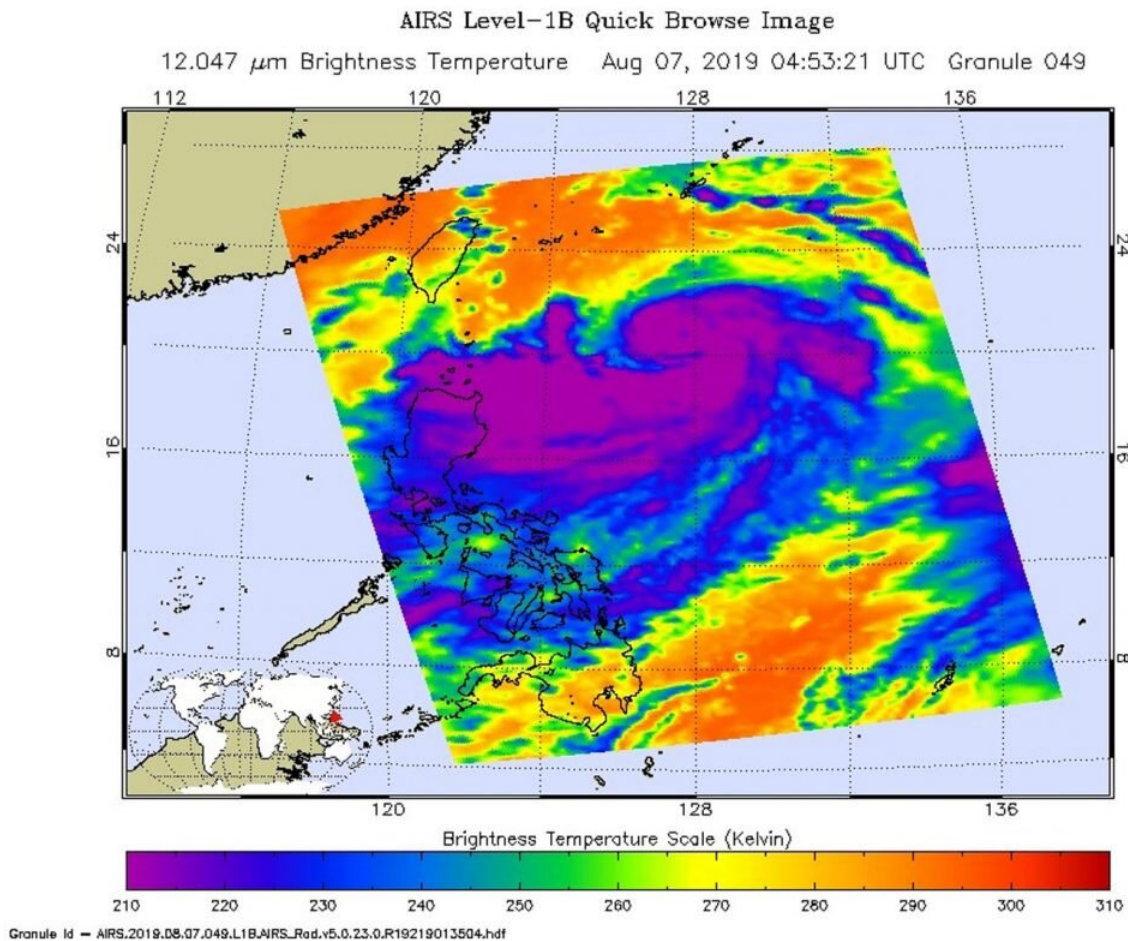


Lekima becomes Supertyphoon, heading towards Eastern China

August 8 2019, by Lynn Jenner



NASA's Aqua satellite was able to capture this infrared image of Supertyphoon Lekima on August 07, 2019 at 1:53pm (0453 UTC) with the AIRS instrument onboard. The dark purple shows the coldest cloud tops within the storm. Cloud top temperatures that cold indicate strong storms that have the capability to create heavy rain. Credit: NASA JPL/Heidar Thrastarson

NASA's Aqua satellite captured this infrared image of Supertyphoon Lekima as it tracked 214 nautical miles southwest of Okinawa, Japan. Tropical cyclone warning signal #1 is in force for the Luzon provinces of Batanes and Babuyan group of islands. The storm has tracked north-northwest at 10 knots over the past six hours.

Satellite imagery shows this system continues to rapidly intensify as evidenced by tightly compact central convection which includes an eight nautical mile-sized eye with a tight pinhole in the eye which is an indication of a strong storm.

The supertyphoon is currently producing winds in excess of 130 knots (149 mph). On the Saffir-Simpson hurricane scale that would be a Category 4 hurricane. With the low vertical wind shear this storm seems well defined and coupled with warm sea surface temperatures of 30 degrees C (86 degrees F) the conditions will most likely allow the storm to continue to intensify.

Supertyphoon Lekima is expected to reach the east coast of China near Taizhou within 48 hours and is expected to sustain the current intensity due to favorable conditions. Interaction with land, however, will begin to weaken the storm to 60 knots (69 mph) by 72 hours, shortly after it crosses over Shanghai. At that point the [storm](#) will turn north-northwest and rapidly weaken as it continues further inland.

Provided by NASA's Goddard Space Flight Center

Citation: Lekima becomes Supertyphoon, heading towards Eastern China (2019, August 8) retrieved 20 April 2024 from

<https://phys.org/news/2019-08-lekima-supertyphoon-eastern-china.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.