

NASA image: Fires in Indonesia, July 2014

July 21 2014



Terra and Aqua satellites detected 154 hotspots in areas across Riau province on Sunday, July 20, indicating forest and land fires had increased again following a decline in rainfall. The number of detected hotspots in Sunday's report was far higher than what had been reported one day prior, which had reached only 75 spots. Credit: Jeff Schmaltz, MODIS Rapid Response Team.

Terra and Aqua satellites detected 154 hotspots in areas across Riau province on Sunday, July 20, indicating forest and land fires had increased again following a decline in rainfall. The number of detected

hotspots in Sunday's report was far higher than what had been reported one day prior, which had reached only 75 spots.

The hotspots were scattered in six regencies and municipalities, most of which were in northern Riau coastal areas. Smoke and the related haze it creates could potentially spread via winds to Malaysia and Singapore as it seems to be doing in this image.

The smoke released by any type of fire is a mixture of particles and chemicals produced by incomplete burning of carbon-containing materials. All smoke contains [carbon monoxide](#), [carbon dioxide](#) and particulate matter (PM or soot). The type and amount of particles and chemicals in smoke varies depending on what is burning, how much oxygen is available, and the burn temperature. Smoke degrades air quality and precautions should be taken when around it.

This natural-color satellite image was collected by the Moderate Resolution Imaging Spectroradiometer (MODIS) aboard the Terra satellite on July 20, 2014. Actively burning areas, detected by MODIS's thermal bands, are outlined in red.

Provided by NASA's Goddard Space Flight Center

Citation: NASA image: Fires in Indonesia, July 2014 (2014, July 21) retrieved 8 September 2024 from <https://phys.org/news/2014-07-nasa-image-indonesia-july.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.