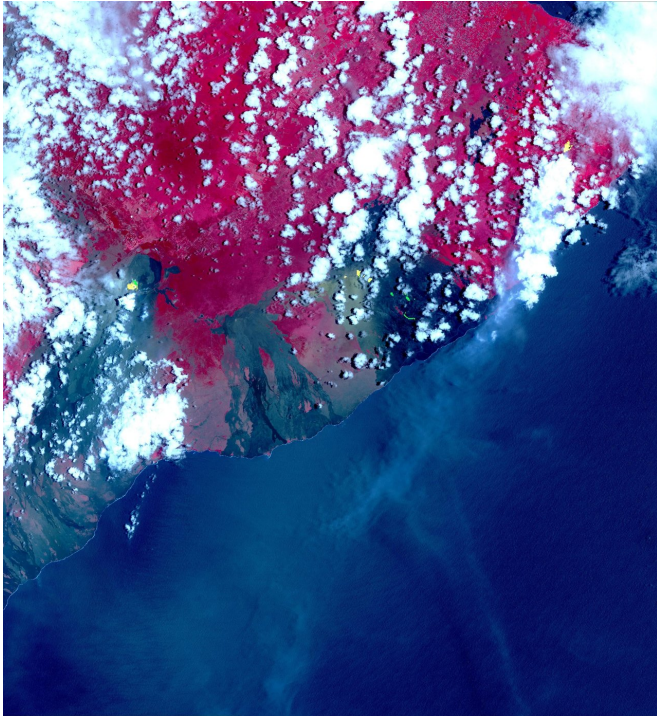


# NASA Satellite detects Kilauea fissures

8 May 2018



ASTER image acquired May 6 picks up hotspots on the thermal infrared bands - shown in yellow. These hotspots are newly formed fissures and lava flows. Credit: NASA/METI/AIST/Japan Space Systems, and U.S./Japan ASTER Science Team

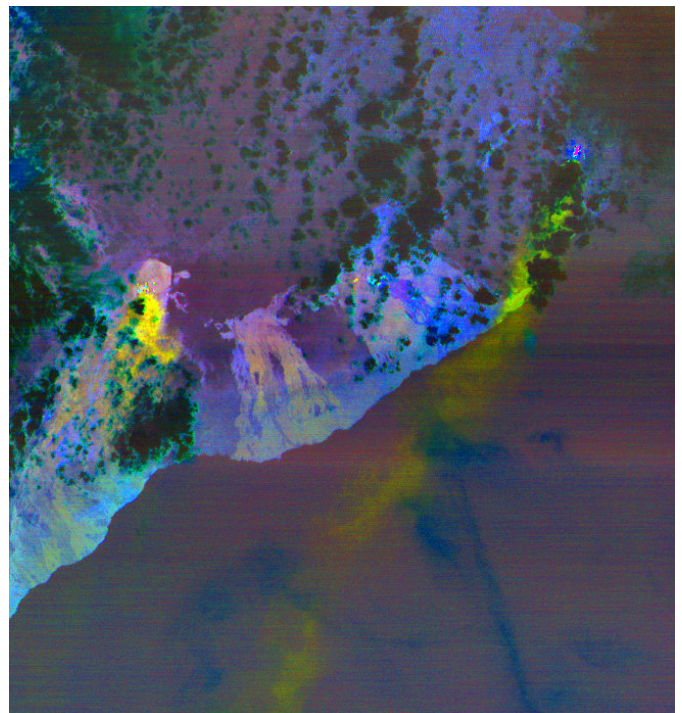
The eruption of Kilauea Volcano on the island of Hawaii triggered a number of gas- and lava-oozing fissures in the East Rift Zone of the volcano. The fissures and high levels of sulfur dioxide gas prompted evacuations in the area.

Images taken from the Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) onboard NASA's Terra satellite picked up these new fissures. In the first image, the red areas are vegetation, and the black and gray areas are old lava flows. The yellow areas superimposed over the image show hot spots that were detected by ASTER's thermal infrared bands. These [hot spots](#) are the newly formed fissures and new lava flow as of May 6. In the second photo, also

acquired on May 6, the long yellow and green streaks are plumes of [sulfur dioxide gas](#).

On April 30, the floor of Kilauea's crater began to collapse. Earthquakes followed, including one that measured magnitude 6.9, and lava was pushed into new underground areas that eventually broke through the ground in such [areas](#) as the Leilani Estates.

Kilauea is the youngest and southeastern-most volcano on the island. Eruptive activity along the East Rift Zone has been continuous since 1983. Kilauea is one of the world's most active volcanoes.



Massive sulfur dioxide plumes, extracted from ASTER's multiple thermal bands, are shown here in yellow and green. Credit: Jet Propulsion Laboratory

Provided by Jet Propulsion Laboratory

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