

## MODVOLC - monitoring Earth's sub-aerially active volcanoes from space since 2000

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The MODVOLC system (<http://modis.higp.hawaii.edu>) uses the two MODIS sensors carried onboard NASA's Terra and Aqua satellites to monitor the Earth's volcanoes for evidence of thermal unrest. Primarily sensitive to the presence of active lava, the system has detected, monitored, and recorded the thermal emittance from eruptions at 107 volcanoes since the system became active in February 2000. This presentation will cover, 1. How the algorithm works and the re-designed webpage that allows anyone to access and interrogate the global 17 year archive; 2. Some interesting results that have been obtained from analysis of the data including evidence for periodicity in eruptions at some volcanoes, and general differences in magnitude and intensity of thermal emission from lava domes, flows, lakes and fountains.

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