Imaging lava eruptions and crater morphology changes at a basaltic volcano using infrasound

Remote Sensing

Thermal

Imaging

Earthquake & Lahar Sensors

Ground Vibration

Satellite

(ash hotspots

and InSAR)

■USGS

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Our poster is about ... THE GEOPHYSICAL MONITORING OF VOLCANIC ERUPTIONS

Volcanic monitoring types and methods employed by the USGS (2010)

Gas Airborne and Ground Cameras **GPS Tiltmeter**

Surveying

Deformation

Aside from a few well-instrumented cases, accurately reconstructing the precise eruptive processes at the surface and chronology is hampered by the lack of detailed visual observations in space and time. But volcanoes also emit low-pitched

inaudible sounds → infrasound

Time-lapse imaging of eruptive processes at Nyiragongo volcano (D.R. Congo) using infrasound









