

The lava dome tomography in Unzen : the discussion about the observation and data treatment

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The observation of the lava dome density 2D map was performed by using cosmic-ray muon and muon detector in

Unzen. The muon detector, nuclear emulsion films which has high position resolution and 0.85m² effective area,

was installed in a natural cave from early December 2010 to the end of March. The developed nuclear emulsion

films has been scanned by automated muon readout system.

In this session, the flow of data acquisition, basic treatment of the data, and density calculation will be shown.

A

lot of discussions about this observation and data treatment are welcome.

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Classification de Session: Poster Session

Classification de thématique: Applications of muon imaging in volcanology; multi-probe structure study of volcanoes