
[JJ] Evening Poster | S (Solid Earth Sciences) | S-VC Volcanology

[S-VC41]Active Volcanism

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Wed. May 23, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

This session discusses various aspects of active volcanisms including, but not limited to, recent and historical eruptions, various phenomena associated with the volcanic activities, underground structures of the volcanoes, and developments of new instruments based on geophysical, geochemical, geological, and multidiscipline approaches. We also welcome studies on understanding and predicting the transitions of the eruptive activities from observational, theoretical, and experimental approaches.

[SVC41-P39]Masses of tephra fall deposits from the 2017

Shinmoedake eruption, Kirishima Volcanoes, Kyushu, Japan.

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A series of subplinian and vulcanian eruptions occurred at Shinmoedake Volcano in Kirishima volcanoes, located in the boundary between Miyazaki and Kagoshima prefectures, southern Kyushu, Japan erupted the subplinian eruption in 2011. The Shinmoedake volcano started erupting again on 11th, October, 2017. The crater of this eruption was newly formed in the east side of the summit crater of Shinmoedake, and the ash-fall deposits were distributed in the area more than 2 km from the crater. This eruption is divided into two periods of 11th-12th and 14th-17th, October. The main ash fall of this eruption occurred in 4 episodes: 11th, 12th, 14th a.m., and 14th p.m.-16th. The erupted mass each episode is 10⁷-10⁸ kg order, and the total mass of this eruption is less than 10⁹ kg. More detailed values will be introduced at the presentation.