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

## [S-VC41]Active Volcanism

convener:Yuta Maeda(Nagoya University), Takahiro Miwa(National research institute for earth science and disaster prevention), Yosuke Aoki(東京大学地震研究所, 共同), Takeshi Nishimura(Department of Geophysics, Graduate School of Science, Tohoku University)

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.

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## [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 11<sup>th</sup>, 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 11<sup>th</sup>-12<sup>th</sup> and 14<sup>th</sup>-17<sup>th</sup>, October. The main ash fall of this eruption occurred in 4 episodes: 11<sup>th</sup>, 12<sup>th</sup>, 14<sup>th</sup> a.m., and 14<sup>th</sup> p.m.-16<sup>th</sup>. The erupted mass each episode is 10<sup>7</sup>-10<sup>8</sup> kg order, and the total mass of this eruption is less than 10<sup>9</sup> kg. More detailed values will be introduced at the presentation.