

acoustic signals generated by the Kilauea Volcano

Volcanic infrasound is generated during the explosive release of fluid into the atmosphere. Several acoustic signals were recorded between May and August 2018 at the IMS-station IS59 on Hawaii during explosive eruptions at Kilauea Volcano. The sequence started with an earthquake at May 4th 2018. Detected signals are either based on elastic body waves or as infrasound generated by the explosion. The data analysis was carried out using DTKGPMCC-Software, part of the latest distribution of the extended NDC-in-a-Box and experience gained during the Infrasound-Training in Tunisia 2017 were applied. The comprehensive analysis of signals allowed to distinguish several sources.

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Track Classification: Poster session