

Deployment of temporal infrasound array in Ecuador

In 2018, a four element portable infrasound array was deployed in the Ecuadorean Amazon region, near Reventador volcano. This experiment was carried out as a collaborative effort between the CTBTO and the Instituto Geofísico, Quito. Due to the amount and frequency of local infrasound sources (e.g. active volcanoes), the mainland portable array installation provides a large amount of data useful for comparisons against permanent IMS stations, such as the relatively nearby IS20, and also other regional IMS infrasound stations (e.g. IS14, IS08, IS13, etc.). In addition, the proximity of the both IS20 and the portable array to active volcanoes in the region, allow the Instituto Geofísico and the CTBTO to continue to assess local volcano hazards and to gain knowledge of the region.

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