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Bulletin from local and regional sources by the NDC of Costa Rica between 2018 and 2020 and integration of data from I20EC, I51GB, I08BR, I09BR (IMS) infrasound stations with local volcanic infrasound monitoring networks and portable array I69CR (CTBTO)

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Since 2018, the inclusion of infrasound monitoring in active volcanoes in Costa Rica with local networks has been implemented by OVSICORI-UNA. In addition, at the end of 2018, two portable infrasound arrays were installed, such as I69CR and IVTCR in cooperation with CTBTO and UNIFI. The NDC-CR includes the integration of IMS stations such as I20EC, I51GB, I08BR, I09BR, thus making it possible to use the event location option through back-azimuth triangulation for relevant local and regional events in the region of Central America and the Caribbean. Among the relevant events from local and regional infrasound sources analyzed for the Infrasound bulletin are the following. Volcanic events: small volcanic explosions (Rincón de la Vieja Volcano, Turrialba Volcano, Poas Volcano between 2018 and 2020). Events of fireballs or meteorites detected in the I69CR portable station and IMS stations: Fireball over Bering Sea 2018-12-18, Cuba Meteorite 2019-02-01, Haiti Meteorite 2019-04-14, Costa Rica Aguas Zarcas Meteorite 2019-04-24, Meteorite South East New Orleans 2019-05-04, Fireball over Caribbean South Puerto Rico 2019-06-22, Meteorite North Puerto Rico 2020-01-17. Seismic events: Earthquake between Costa Rica and Panama of 2019-06-26. Irazú Volcano landslide event August 26, 2020.

Promotional text

With this infrasound bulletin, it is possible to have a characterization and knowledge of the different sources of infrasound in the Central American and Caribbean region

Primary author: Mr VILLALOBOS, Hairo (Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI))

Co-authors: Mr QUINTERO, Ronnie (Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI), Costa Rica); Mrs CAMPOS, Daniela (Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI))

Presenter: Mr VILLALOBOS, Hairo (Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI))

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