

Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

Activity of Mount Pelée

Saint-Pierre, January 20, 2023 14:30 local time (GMT-4)

Between January 13, 2023 at 16:00 (UTC) and January 20, 2023 at 16:00 (UTC), the OVSM recorded **6 volcano-tectonic type earthquakes**, all of negative magnitude. These very low energy earthquakes cannot all be located but are clearly identified as coming from well known seismically active zones on Montagne Pelée, located between 1.0 and 1.4 km below the summit of the volcano. They are evidence of the superficial hydrothermal system activity (pressurized fluid flows in a fractured medium) and are related to the overall reactivation of the volcano observed since late 2018.

During the volcanic reactivation phases of volcanoes similar to Mount Pelee, it is usual to observe seismic activity that varies in intensity and frequency. For more details on longer-term observations and interpretations of volcanic activity, please refer to the monthly bulletins of the OVSM.

The alert level is currently YELLOW: vigilance.

The Director's office of OVSM-IPGP.

Informations

The reports of OVSM-IPGP are available at <http://www.ipgp.fr/fr/ovsm/actualites-communiques-publics-de-lovsm>. You can also find us on our Facebook and Twitter accounts. Locations of volcano-tectonic and tectonic earthquakes determined by the OVSM-IPGP are available in real-time at <https://renass.unistra.fr/fr/zones/les-antilles/>.

To receive the weekly report by email, simply request it at: infos@ovmp.martinique.univ-ag.fr

The information in this document cannot be used without explicit reference to it.