

## Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

### Activity of Mount Pelée

Saint-Pierre, January 27, 2023 14:30 local time (GMT-4)

Between January 20, 2023 at 16:00 (UTC) and January 27, 2023 at 16:00 (UTC), the OVSM recorded a **single volcano-tectonic type earthquake**, of negative magnitude. This very low energy earthquake cannot be located but is clearly identified as coming from one of the well known seismically active zones on Montagne Pelée, located between 1.0 and 1.4 km below the summit of the volcano. This event is evidence of the superficial hydrothermal system activity (pressurized fluid flows in a fractured medium) and is 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](mailto:infos@ovmp.martinique.univ-ag.fr)

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