

## Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

### Activity of Mount Pelée

Saint-Pierre, March 3, 2023 13:00 local time (GMT-4)

Between February 24, 2023 at 16:00 (UTC) and March 3, 2023 at 16:00 (UTC), the OVSM recorded **1 volcanic-tectonic type earthquake**. This low energy earthquake could not be located but is clearly identified as originating from one of the well-known seismically active zones at Mount Pelée, located between 1.0 and 1.4 km below the summit of the volcano. The OVSM also detected **2 hybrid type earthquakes** of low energy and located at 1 km below the volcano. These events 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 Pelée, 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/bilans>. 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)

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