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## Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

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### Activity of Mount Pelée

Saint-Pierre, December 1st, 2023 12:30 local time (GMT-4)

Volcanic activity remains low with **4 volcanic earthquake** observed this week.

Between November 24, 2023 at 16:00 (UTC) and December 1st, 2023 at 16:00 (UTC), the OVSM recorded 4 very low-energy volcano-tectonic type earthquakes. Three of these earthquakes were clearly identified as originating from one of the well-known seismically active zones on Mount Pelée, located between 1.0 and 1.4 km below the summit of the volcano. The fourth is located eastward the volcano between 3 and 4 km deep.

Superficial volcano-tectonic seismicity is associated with micro-fracturing in the volcanic edifice related to the overall reactivation of the volcano observed since late 2018.

No earthquake was felt by the population.

The week before, the OVSM had recorded no earthquake of volcanic origin. As of December 1st and during the last 4 weeks, the OVSM recorded a total of 12 volcanic earthquakes, an average of 3 volcanic earthquakes per week.

During phases of volcanic unrest on volcanoes similar to Mount Pelée, it is usual to observe seismic activity that varies over time 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 data in this report are preliminary and subject to change depending on their subsequent analysis.

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)

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