



Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

Activity of Mount Pelée

Saint-Pierre, March 24, 2023 14:00 local time (GMT-4)

Volcanic activity remains low with **a total of 6 earthquakes of volcanic origin** recorded this week.

Among these, between March 17, 2023 at 16:00 (UTC) and March 24, 2023 at 16:00 (UTC), the OVSM recorded 1 deep, low-energy hybrid earthquake localized between 25 and 30 km below the volcano, and 5 volcanic-tectonic type earthquakes, of very low energy which have not all been located but are 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. This 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. None of these earthquakes was felt by the population.

Last week, the OVSM had recorded 4 earthquakes of volcanic origin and an average of 6 volcanic earthquakes per week during the last 4 weeks. 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 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

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Science for the planet

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