Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

Activity of Mount Pelée

Saint-Pierre, October 30, 2026, 14:30 local time (GMT-4)

Volcanic seismic activity

Between October 23, 2026 at 16:00 (UTC) and October 30, 2026 at 16:00 (UTC), the OVSM has recorded **115** volcanic earthquakes:

- **115 volcano-tectonic** type earthquakes. 8 have a magnitude (local magnitude Mlv or duration magnitude Md) higher than 1. The largest one has a magnitude **Mlv = 1.74**. The others are of lower energy. The vast majority of these earthquakes are located at depths between 0.7 and 1.2 km below the summit of the volcano. Two low-energy earthquakes are located at around 6.5 km depth relative to sea level.

No earthquake was felt by the population.

The week before, the OVSM had recorded 140 earthquakes of volcanic origin. As of October 30, and during the last 4 weeks, the OVSM recorded a total of 462 volcanic earthquakes, corresponding to an average of **115 to 116 volcanic earthquakes** per week.

Deformation at Mont Pelée

The multi-centimeters ground displacements observed in the summit area of Mont Pelée over the past few months have decreased significantly. The maximum extension recorded near the summit over the past four weeks is **0.3 cm** (along a 610-m-long profile). These displacements remain consistent with deformation of the volcanic edifice driven by an inflating pressure source, although its position can no longer be precisely located.

The probability of eruptive activity in the short term remains low. However, considering the observations accumulated over the past months and years, an evolution of the situation in the medium term (weeks to months) cannot be excluded.

The alert level, in accordance with the provisions planned by the authorities, is currently **YELLOW: vigilance**.

For more details on longer-term observations and interpretations of volcanic activity, please refer to the monthly bulletins of the OVSM.

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, including detailed monthly bulletins, are available at https://www.ipgp.fr/observation/ovs/ovsm/. You can also find us on our Bluesky et Facebook 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 by mail at: infos@ovmp.martinique.univ-ag.fr
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