

Weekly report

Institut de physique du globe de Paris

Observatoire volcanologique et sismologique de Martinique

Activity of Mount Pelée

Saint-Pierre, July 24, 2026, 14:30 local time (GMT-4)

Volcanic seismic activity

Between July 17, 2026 at 16:00 (UTC) and July 24, 2026 at 16:00 (UTC), the OVSM has recorded **45** volcanic earthquakes:

- **44 volcano-tectonic** type earthquakes. Among them, 4 have a magnitude (local magnitude M_{lv} or duration magnitude M_d) higher than 1 and 2 have a magnitude higher than 2. The largest magnitude is **$M_{lv} = 2.6$** . The others are of lower energy. These earthquakes are located at depths between 0.7 and 1.8 km below the summit of the volcano.
- **1 deep long-period** type earthquake, located to the southeast of Mont Pelée at 24 km depth and with a magnitude $M_{lv} = 1.0$.

No earthquake was felt by the population. However, shallow earthquakes of sufficient magnitude may produce audible sounds over short distances. This week, several hikers on Mont Pelée reported hearing a rumbling sound during a time interval consistent with one of the earthquakes of magnitude greater than 2.

The week before, the OVSM had recorded 94 earthquakes of volcanic origin. As of July 24, and during the last 4 weeks, the OVSM recorded a total of 367 volcanic earthquakes, corresponding to an average of **91 to 92 volcanic earthquakes** per week.

Deformation at Mont Pelée

Since May 2026, the OVSM has recorded multi-centimeters ground displacements in the summit area of Mont Pelée. Over the past four weeks, the maximum displacement rates are on the order of **2 cm per month**, similar to the previous month. These displacements are consistent with deformation of the volcanic edifice induced by an inflating pressure source located at a depth of approximately 1 km beneath the summit.

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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