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Saint-Pierre, Friday 1 January 2021, 12h (UTC -4)

Weekly report on the activity of la Montagne Pelée for the period from 25 December 2020 to 1 January 2021

Seismicity of volcanic origin has remained relatively stable since December 25, 2020.

Between December 25 2020, at 4 p.m. UT (local time + 4 hours) and January 1 2021, at 4 p.m. UT (local time + 4 hours), the OVSM recorded at least 5 earthquakes, of the volcano-tectonic type and with magnitudes less than or equal to 1. None of these earthquakes were felt by the population. During the period of this report, OVSM did not record any volcanic seismic signals of the long-period type containing low frequencies.

During phases of volcanic reactivation, it is common for periods of increased seismic activity to alternate with phases of lower seismic activity. The seismicity of volcanic origin remains above the average base level recorded between January 1, 2015 and April 2019 (the date of the start of its increase).

During a reconnaissance overflight on December 29, with the civil security helicopter Dragon972, we did not observe any fumarolic activity on the dome of Mount Pelée. The zones of retrogressive erosion located at the foot of the 1929 dome, in the upper Chaude River and which have been active for about 2 years, periodically generate small landslides in the ravines of the eastern part of this zone that are recorded by the seismic stations of the monitoring network.

This report and the monthly OVSM-IPGP bulletins are available at <http://www.ipgp.fr/fr/ovsm/actualites-communiques-publics-de-ovsm>. You can also find us on our Facebook and Twitter accounts.

The alert level remains yellow: vigilance.

The Director's office of OVSM IPGP.