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Saint-Pierre, Friday 15 January 2021, 12h (UTC -4)

Weekly report on the activity of la Montagne Pelée for the period from 8th to 15th January 2021

The seismicity of volcanic origin has decreased slightly in the last week but remains significant. None of these earthquakes were felt by the population.

Between January 8, 2021 4:00 p.m. UT (local time + 4h) and January 15, 2021 4:00 p.m. UT (local time + 4h), the OVSM recorded at least 22 volcano-tectonic earthquakes of magnitude less than 1 located at shallow depth inside the volcanic edifice, between 600 m and 1000 m above sea level. This volcano-tectonic seismicity is characterized by high frequencies and associated with micro-fracturing in the volcanic edifice.

During the period of this report, the OVSM recorded 2 isolated long-period type earthquakes. These signals containing low frequencies are associated with the migration of fluids into the volcanic edifice.

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).

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

The alert level remains yellow: vigilance.

The Director's office of OVSM IPGP.