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Saint-Pierre, Friday 5 February 2021, 12h (UTC -4)

Weekly report on the activity of la Montagne Pelée for the period from 29th January to 5th February 2021

The seismicity of volcanic origin has increased in the last week. None of these earthquakes were felt by the population.

Between January 29, 2021 at 4 p.m. UT (local time + 4 hours) and February 5, 2021 at 4 p.m. UTC (local time + 4 hours), the OVSM recorded at least 73 volcano-tectonic earthquakes of magnitude less than 1, located at shallow depth inside the volcanic edifice, between 1600 m below sea level and 1000 m above sea level. This volcano-tectonic type seismicity, characterized by high frequency signals, is associated with micro-fracturing in the volcanic edifice.

During the period of this report, OVSM recorded 2 isolated hybrid type signals (earthquake characterized by low and high frequencies). These signals containing low frequencies are associated with the migration of fluids in 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.