



OVSM - IPGP – Friday 21th of May 2021 – 12h (local time, UTC-4h)

Weekly report on the activity of la Montagne Pelée

May 14 to 21, 2021

Seismicity of volcanic origin has decreased over the past week. Between May 14, 2021 at 4 p.m. (UTC) and May 21, 2021 at 4 p.m. (UTC), the OVSM recorded at least 31 volcano-tectonic earthquakes of magnitude less than 0.9. These earthquakes were located inside the volcanic edifice between 3.0 km below sea level and 1 km above sea level. None of these earthquakes were felt by the population. This volcano-tectonic-type superficial seismicity is associated with the formation of micro-fractures in the volcanic edifice.

During phases of volcanic reactivation, periods of higher seismic activity often alternate with phases of lower seismicity. Seismicity remains above the baseline level. No other changes were noted in the activity of Mount Pelée.

A main zone of strongly degraded, browned and dead vegetation is still observed on the southwest flank of Montagne Pelée, between the upper Claire River and the Chaude River.

These observations reflect the variable dynamics of processes of magmatic and hydrothermal origin on la Montagne Pelée, in coherence with the volcanic unrest observed as of April 2019.

The reports of OVSM-IPGP are available at <http://www.ipgp.fr/fr/ovsm/actualites-communiques-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.