



**OVSM - IPGP** – Friday 25th of June 2021 – 12h (local time, UTC-4h)

## **Weekly report on the activity of la Montagne Pelée**

### **June 18 to 25, 2021**

Between June 18, 2021 at 4 p.m. (UTC) and June 25, 2021 at 4 p.m. (UTC), the OVSM recorded at least 23 volcano-tectonic earthquakes of magnitude less than 0.5. These earthquakes were located inside the volcanic edifice between the sea level and 1 km above sea level. This volcano-tectonic-type superficial seismicity is associated with the formation of micro-fractures in the volcanic edifice. During the reporting period, OVSM also recorded 1 hybrid-type earthquake of magnitude equal to 0.7. This signal, containing low frequencies, is associated with the presence of fluids (gas, hydrothermal waters) within the volcanic edifice. None of these earthquakes were felt by the population.

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.