



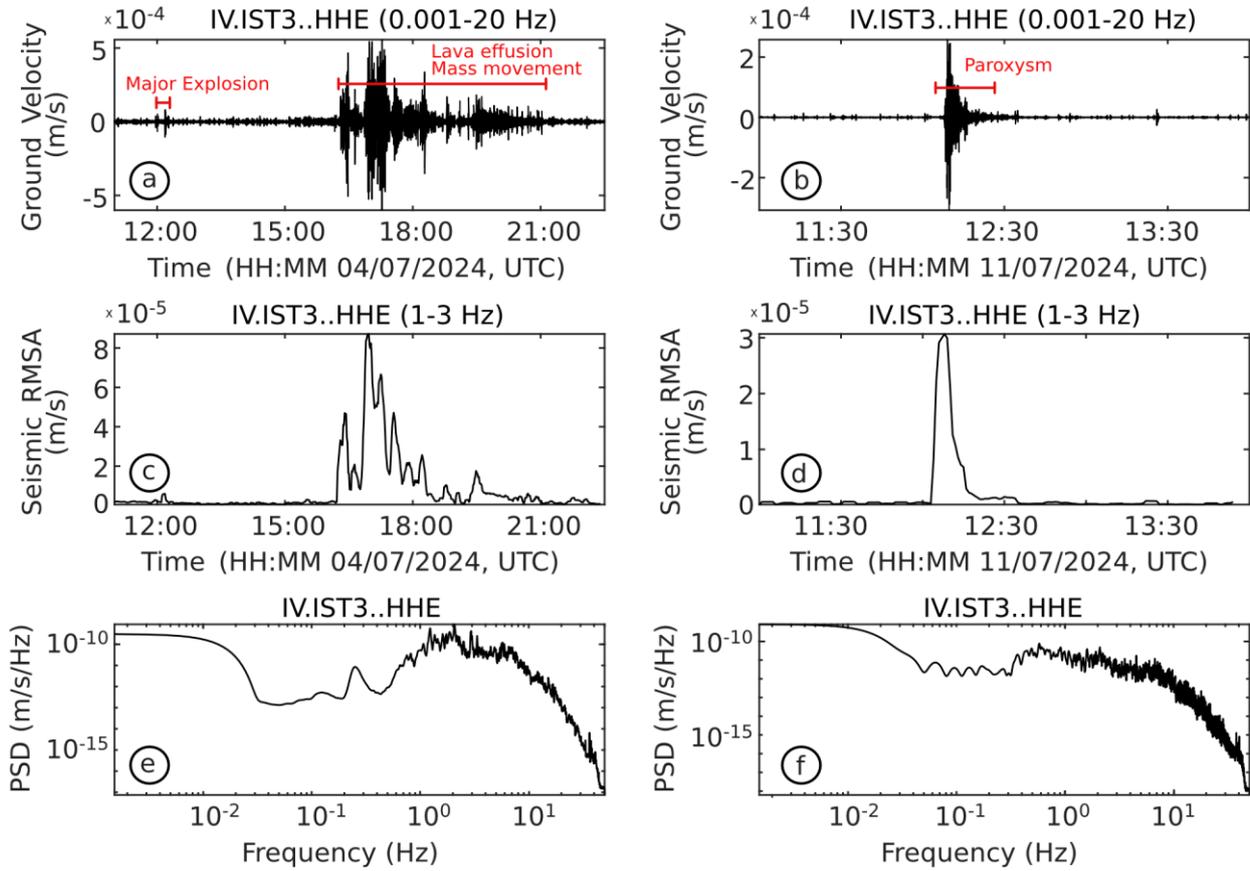
*Supplement of*

## **Geophysical fingerprint of the 4–11 July 2024 eruptive activity at Stromboli volcano, Italy**

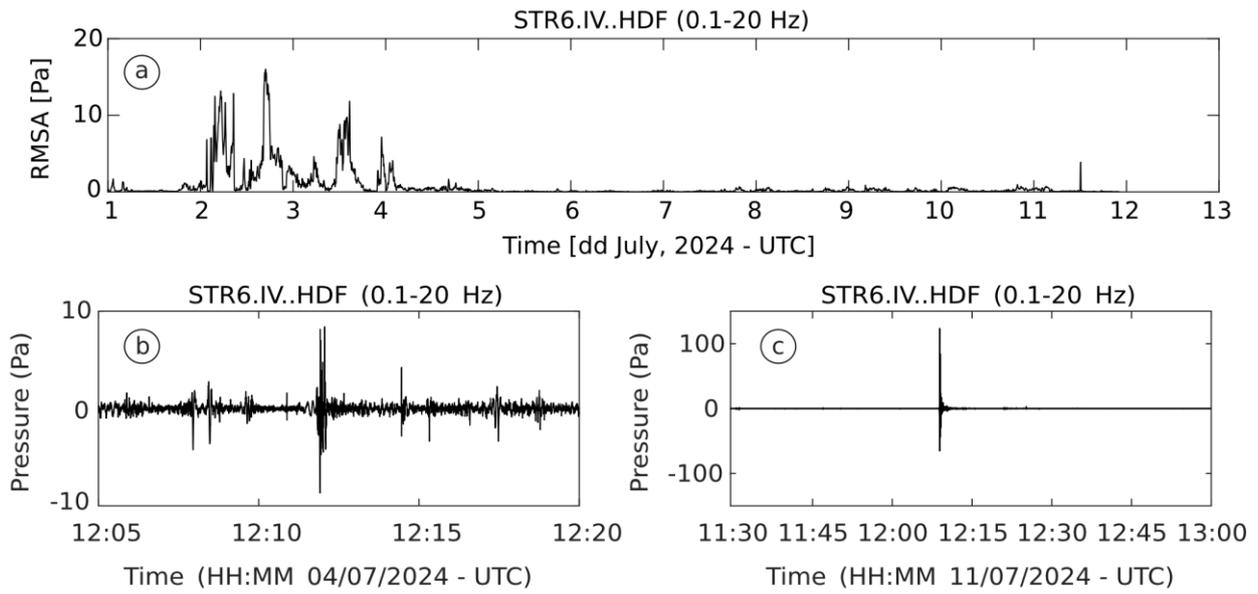
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**Figure S1:** The E-component of seismic signals of the eruptive events recorder at IST3 station, occurred on 4 July (a) and 11 July (b); c) and d) seismic tremor or RMS tremor amplitude calculated every minute using a moving time window of 5 minutes, within the volcanic tremor frequency band of Stromboli (1-3 Hz), on 4 July and 11 July, respectively; e) and f) spectra content of the E-component for both the same eruptive events.



**Figure S2: a) Infrasound RMSA calculated every minute using a moving time window of 5 minutes on data collected by STR6 station, and filtered in the frequency band of 0.1 and 20 Hz, from 1 to 13 July. Infrasound waveform of (b) the major explosion event occurred on 4 July, and (c) blast wave of the paroxysm episode occurred on 11 July.**

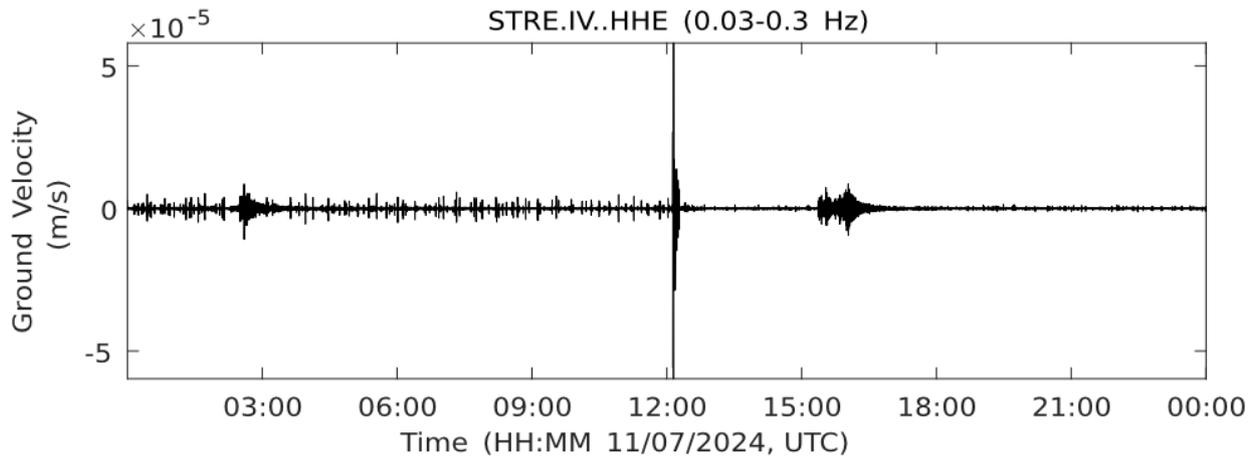


Figure S3: E-component of the paroxysm event recorded by STRE seismic station, filtered in the VLP frequency (0.03-0.3 Hz).