***Supplementary Material***

**Insights into the internal dynamics of natural lahars from the analysis of 3-component broadband seismic signals**

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**Additional Supporting Information (Files uploaded separately)**

Captions for Movies S1 to S4

**Introduction**

The supplementary material further provides information on the four lahars that were recorded in 2016 on the Lumbre channel, Volcán de Colima, Mexico. The supplementary material includes a video for each lahar mentioned in the manuscript, including August 26 (Movie S1), August 29 (Movie S2), August 30 (Movie S3), and September 9 (Movie S4).

Movie S1. Movie of the August 26 2016 Lahar on Lumbre channel

Movie S2. Movie of the August 29 2016 Lahar on Lumbre channel

Movie S3. Movie of the August 30 2016 Lahar on Lumbre channel

Movie S4. Movie of the September 9 2016 Lahar on Lumbre channel