Supporting information for

**Numerical modeling of the propagation of infrasonic acoustic waves through the turbulent field generated by the breaking of mountain gravity waves**

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Two videos: “video_mountain_wave” and “video_acoustic_wave.”

**Supporting information**

This supporting information provides the two videos cited in the paper.

The video named “video_mountain_wave” illustrates the evolution in time of the mountain wave field $u'_1 \equiv u_1 - \bar{u}_1$. The horizontal velocity $u'_1$ is expressed in m s$^{-1}$.

The video named “video_acoustic_wave” shows the evolution in time of the scaled pressure field $\Phi$ associated with the acoustic wave. The variable $\Phi$ is expressed in SI units.

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