

## of an algerian fireball using local infrasound and seismic signals

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For the First time in Algeria, a fireball was characterized for the first time in Algeria using 14 seismic stations from the Algerian digital seismic network and two newly installed infrasound stations (Network in progress). The event occurred on the night of May 7, 2023, in an area not far southwest of the Algerian capital. Infrasound signals were employed to determine the location of the fragmentation, as well as to estimate the energy, mass, and size of the fireball. Using the seismic data, the 2D trajectory was determined by plotting isochrones.

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