

Characterization 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.

E-mail

zineddine.bouyahiaoui@craag.edu.dz

Primary author: BOUYAHIAOUI, Zineddine (Center for Research in Astronomy, Astrophysics and Geophysics)

Co-authors: Dr YELLES CHAOUICHE, Lotfi (Center for Research in Astronomy, Astrophysics and Geophysics); Dr DAIFALLAH, Khalil (Center for Research in Astronomy, Astrophysics and Geophysics); Dr SEMMANE, Fethi (Center for Research in Astronomy, Astrophysics and Geophysics); Dr DAMERDJI, Yassine (Center for Research in Astronomy, Astrophysics and Geophysics); Dr NAIT AMOR, Samir (Center for Research in Astronomy, Astrophysics and Geophysics); Dr IKHLEF, Rabah (Center for Research in Astronomy, Astrophysics and Geophysics); Mr BABA AISSA, Djounai (Center for Research in Astronomy, Astrophysics and Geophysics); Dr BELDJOUDI, Hamoud (Center for Research in Astronomy, Astrophysics and Geophysics); Mr GHOULAM, IMAD EDDINE (Center for Research in Astronomy, Astrophysics and Geophysics); Dr AIDI, Chafik (Center for Research in Astronomy, Astrophysics and Geophysics); Dr CHIMOUNI, Redouane (Center for Research in Astronomy, Astrophysics and Geophysics)

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