
Birth of a meteor shower, observed with mobile device.

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Résumé

The 2021 Arids meteor shower was forecasted thanks to the modeling of meteoroid ejection from comet 15P/Finlay. The associated meteoroid stream had never caused any shower at Earth before, making the level of the shower rather uncertain. The maximum was expected to be visible from South America. With the help of PNP, we built a "Mobile Observation of Meteors" device, dedicated to such remote observations. In collaboration with U.Of Chile, SYRTE and the "Pole instrumental du GEPI", we successfully built, tested and deployed the MoMet device, and recorded several Arid meteors. By sharing our data with other teams around the world, we infer the physical properties of the dust coming from 15P/Finlay.

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