«Churyumov Unified Network»: new tasks for astronomical observatories to protect society

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Abstract

As a result of observations in nearly four years the authors have identified a class of twilight bolides. Traces of Twilight bolides are observed from a few minutes to two hours. The paper considers simultaneous observation of the evening fireball in the sky over the Kiev region 08.07.2016. Base distance between the photographing points was 25.8 km. Thermal explosion, flashing and decay of the body invaded into the atmosphere over Kiev region began at altitude of 55–65 km. It flared up and slowly moving along the inclined path disappeared at the height of about 30–33 km.

Keywords: twilight fireballs; cometary nucleus; meteor traces; Churyumov Unified Network

References


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