

Height analyses of short-duration meteor trains - Height of short-train meteor trains versus Mother meteor Magnitude -

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Triangulation observation of meteors is significant to measure their orbit as well as altitude range and 3-D structure of meteor trains. In Leonid 2001, 42 triangulations were successfully obtained by the METRO campaign and the altitude range of the persistent meteor trains was statistically found from the 20 examples (Yamamoto et al., 2005).

However, the short-duration trans within 10 seconds just after the appearances of the fireballs are extremely limited. Here, from the archived video images of Shigeno et al. (2003), we report the triangulation analyses of the short-duration meteor trains.

Triangulation observations of short-duration meteor trains of 20 Leonid as well as 6 sporadic meteors with an analyses by Shigeno et al. is used here. Altitude distribution of short-duration trains and its evolution are studied in this work.

Reference:

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