

Meteor train campaign in Japan : Leonids 2000

Masayuki Toda[1], Masa-yuki Yamamoto[2]

[1] NMS, [2] Astronomy and Geophys., Tohoku Univ.

http://www3.plala.or.jp/MY_Yamamoto/campaign/

Meteor train is luminous cloud observed at 90 km altitude just after appearance of rapid and bright meteor. Because it is a good chance to observe persistent meteor train near the perihelion return of Leonids' mother comet, we have been conducted "Meteor train campaign" since 1998 and have called for the photographic observation of meteor train to amateur observers, so that simultaneous observation of the persistent train was obtained during the Leonids period these 3 years. In 2000, there observed low activity of Leonids in Japan, however, a simultaneous observation of meteor train was successfully carried out for the brightest fireball appeared at 3:35 JST on Nov. 18. Analyzed results will be discussed with detailed structure of the meteor train observed by using 300 mm lens.