

Simultaneous observation of the Leonids meteor train in 1998

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Since the Leonids meteor burst was expected in 1998 after 33 years interval, it was considered a good chance for the observation of the meteor train. The simultaneous observations by amateur observers were carried out from the several observation sites successfully for one superb persistent train. The extremely bright Leonids fireball of its magnitude of -8 appeared over Izu district and the associated meteor train was observed from all Kanto area for longer than 10 minutes. The 3-D structure of the meteor train was revealed by these simultaneous observations, and the velocity distribution of background neutral wind was derived from the motion of the train.