

Leonid meteor observations by the MU radar and optical instrument during the PSMOS campaign in November 1998

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Coordinated MU radar and optical observations were carried out at Shigaraki, in November 1998, in order to study the Leonid meteor shower activity and its effect on the mesopause atmosphere, as well as to study the mesopause dynamics and structure. The MU radar was operated by the meteor more between November 13 and 22. In the moning (6-11JST) on November 17, which was about one day prior to the predicted shower maximum, unusual strong activity of bright meteors at high altitudes were observed by the MU radar, which is consistent with the report of an outburst of fireballs in eastern Europe.