

Observation of the meteor wind velocity with the Lower Thermosphere Profiler (LTP)

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The Lower Thermosphere Profiler(LTP) is a 31.57 MHz Doppler radar in Shigaraki. It is now operated continuously for long-term observation of the field-aligned irregularity(FAI). In this study we utilize its multichannel receivers to form a radio interferometry, and observe meteor trail echoes. The meteor wind data from the LTP, when it is realized, is very useful to study interaction between the FAI and the background neutral atmosphere.