

Studies on the behavior of atmospheric tide in the polar upper atmosphere(10)-A new platform at EISCAT Tromso site -

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A new meteor radar NTMR(NIPR/Norway Tromso Meteor Radar) is now installed at EISCAT Tromso radar site in Norway in November 2003. It aims at complementing the EISCAT and other radar and optical observations for the mesosphere and lower thermosphere atmospheric dynamics at the same site. Also closer comparisons of measured wind fields at overlapping heights and the effect of geomagnetic disturbances on the neutral wind and meteor trail drift are to be studied more unambiguously than ever. Tidal fields are hence latitudinally viewed by NTMR at Tromso and NSMR at Svalbard further North along with global studies by circumpolar and conjugate collaborations and by the EISCAT radars for upper thermosphere extension.