

Comaprison studies of winds derived by the EISCAT UHF radar and the Tromsoe MF radar

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Based on simultaneous wind data obtained by the EISCAT UHF radar and the Tromsoe MF radar between August 1996 and June 1998, comparison studies of winds are performed over the height region from 90 km to 110 km in the auroral E-region. During the period, 9 sets and 6 sets of EISCAT CP-1-K and CP-2-E, respectively, are available, while the MF radar has generally furnished wind data over 24-hours a day with time resolution of 5 min. The methods used by the radars for deriving winds will be discussed. Then, comparison results will be presentend in terms of season and/or geomagnetically activity.

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