

E116-011

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Nighttime MSTIDs propagating northward observed by the SuperDARN Hokkaido HF radar and GEONET

Akimitsu Ichihara[1]; Nozomu Nishitani[2]; Tadahiko Ogawa[3]; Takuya Tsugawa[3]; Nozomu Nishitani Hokkaido HF radar group[4]

[1] STEL, Nagoya Univ.; [2] STELAB, Nagoya Univ.; [3] NICT; [4] -

<http://stdb2.stelab.nagoya-u.ac.jp>

The Hokkaido radar is a useful tool for studying medium-scale traveling ionospheric disturbances (MSTIDs) that appear between the northern edge of Japan and Kamchatka. By combining radar data with GEONET-TEC data, we can obtain new knowledge of MSTIDs over and to the north of Japan. We found events when the Hokkaido radar and GEONET simultaneously observed MSTIDs propagating northward during nighttime, whose direction is opposite to the well-known southward propagation over Japan. We present some examples of northward-propagating MSTIDs and discuss their characteristics.