

Multievent analysis of LSTIDs observed by Hokkaido HF radar and GEONET

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Hokkaido HF radar, which is the second mid-latitude SuperDARN radar and the first SuperDARN radar in the Far East region, started its operation in November 2006. We can demonstrate the capability of the SuperDARN Hokkaido HF radar and GEONET dataset for monitoring high to low latitude ionosphere at the same time. 2 years after operation started, Hokkaido radar, together with the GEONET, observed 52 Large-Scale Traveling Ionospheric Disturbances (LSTIDs). There were 2 kinds of propagating patterns, southward and northward. Detailed characteristics of the LSTIDs and their relation to geomagnetic activities will be presented.