



## **Joint observation of large-scale travelling ionospheric disturbances using SuperDARN Hokkaido radar and Eastern Siberia chirp sounders network**

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A case study analysis of joint observations of large-scale traveling ionospheric disturbances (LSTIDs) using SuperDARN Hokkaido radar and the Eastern Siberia oblique chirp sounders network is presented. The simulation of LSTIDs footprints is carried out and LSTIDs main parameters are determined. The connection of LSTIDs appearance with different solar terrestrial events (such as geomagnetic storms, stratospheric warming and etc.) is discussed.