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Observations of meridional and vertical propagation of ionospheric disturbances

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Large scale travelling ionospheric disturbances (TIDs) are mainly observed during geomagnetic storms and usually propagate in equatorward direction. They are launched from high latitude regions due to energy injection that enhances Joule heating and Lorentz coupling processes. In this paper, we will show that equatorward TIDs also propagate vertically upwards and influence plasma distribution in the topside ionosphere.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD, N/A)?

N/A

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

No

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