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Confirmation of low latitude electrodynamics in driving poleward waves

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Abstract content (Max 300 words) **Formatting & Special chars**

This talk will discuss the physical mechanisms responsible for launching poleward waves originating from the geomagnetic equator. In particular, satellite and radar data will be utilised in confirming that vertical drift contributes to poleward motion of waves through Lorentz coupling.

Results show that such waves can travel up to 20-30 degrees on both sides of the geomagnetic equator and therefore contribute to some ionospheric features such as electron density increase in part of the mid-latitude region.

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No

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

N/A

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Yes

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