

CONJUGATE OBSERVATIONS OF DAYSIDE MAGNETIC IMPULSE EVENTS

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We present observations of a dayside high-latitude magnetic impulse event observed in conjugate ionospheres. The observations include ground-based magnetometers in both hemispheres and SuperDARN observations in the Southern Hemisphere. The event occurs during solstice-like conditions such that the Northern Hemisphere is sunlit and Southern Hemisphere is dark. With this configuration and the available observations we are able to conclusively determine that the magnetospheric driver of the event is current driven and not voltage driven.

Ionosphere, Conjugate, Magnetosphere

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