Ea-P013 Room: Lounge Time: June 25 17:30-19:00

Intermittent electron precipitation in the cusp region observed with EISCAT Svalbard Radar

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Based on EISCAT Svalbard Radar data, we have determined characteristics of intermittent electron precipitation phenomena in the cusp region, which might presumably be related to the so-called poleward moving arc that is thought to be produced by a dayside intermittent reconnection process. We have particularly focused on relationships between intermittent electron density enhancement produced by soft electron precipitation and plasma velocity.

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