Ee-035 Room: C311 Time: June 10 11:45-12:00

## Characteristics of Pc5 range magnetic variations observed at dip equator

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We report two types of Pc5 range magnetic variations(150 - 600 sec) observed at the dayside dip equator, which show spatial behaviour of the equatorial enhancement. One exhibits the in-phase and the other exhibits the out-of-phase between the dayside dip equator stations separated azimuthally.

We report two types of Pc5 range magnetic variations(150 - 600 sec) observed at the dayside dip equator, which show spatial behaviour of the equatorial enhancement. One exhibits the in-phase and the other exhibits the out-of-phase between the dayside dip equator stations separated azimuthally. The equatorial enhancement suggests near instantaneous transmision of the polar electric field to the equator during Pc5 events. From analysis using global ground-based magnetometer data and the satellite data, we conclude that the Pc5 event of in-phase at dip equator is explained by the global cavity mode, while the other(out-of-phase) by the multiple TCV.