

Comparison of ionospheric parameters between the global MHD simulation and the KRM method in each substorm phase (I)

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The time evolution of substorm is obtained by using the 3-dimensions magnetohydrodynamic model [Ogino et al., 1992] when the interplanetary magnetic field turns from northward to southward. The average patterns of ionospheric parameters for five substorm phases are determined by using the KRM magnetogram-inversin algorithm [Kamide et al., 1996]. These observational and simulation results are compared.