

Electron flux on geostationary earth orbit observed by ETS-V during magnetic storms

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We study the time variation of the electron flux observed by Engineering Test Satellite 5 (ETS-V) during magnetic storms. It has been found that the electron flux tends to decrease at the storm main phase and more increase at the recovery phase than that at the start time of storms. The electron flux statistically takes the minimum value before about 2 hours Dst peaks. This is similar to the behavior of Kp and AE indices. In this study, the satellite anomaly will also be discussed