

Altitude Dependence of Magnetic Anomaly Signatures in Mars Express ASPERA-3 ELS Data

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We use data from Mars Express (MEX) Analyzer of Space Plasmas and Energetic Atoms (ASPERA-3) Electron Spectrometer (ELS), to observe the behaviour with altitude and angular distribution of electrons around magnetic 'anomaly' regions on Mars, and to examine differences between observations on the day-side and night-side. Results show the arrival of electrons at the cusps of magnetic anomalies and electrons from intensified events reaching low altitudes.