

SUBSTORM EFFECTS ON THE STORM-TIME Dst VARIATION

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The substorm effect on the development of magnetic storm-time variation is investigated using 1-min data from the worldwide network of ground-based magnetometers. We carried out a comparative analysis of the dynamics of auroral electrojets, total and partial ring currents — by SuperMAG indices, field-aligned and ionospheric currents — by maps obtained by the original magnetogram inversion technique, as well as geomagnetic pulsations — by observations at the observatories of ISTP SB RAS.