



A huge deformation of magnetospheric boundaries

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A sudden and very strong deformation of the bow shock and magnetopause surface was observed by Themis and Cluster spacecraft on November 26, 2008. The paper presents multi-point observations of a large set of the spacecraft located at different places in the solar wind, in the magnetosheath, in the inner magnetosphere, and on the geostationary orbit and finds a source of such huge deformation/motion of both boundaries. We discuss the changes of the interplanetary magnetic field orientation, upstream parameters, and other possible causes.