



Geomagnetic storms and telluric currents

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For June 12-13, 2005 the geomagnetic indices AE and Dst, the parameters of the solar wind (speed and pressure) and the Bz component of the interplanetary geomagnetic field are analyzed as indicators of the development of the troubled period.

During this period there were significant geomagnetic variations due to geomagnetic substorms and induced currents on the pipeline located in high latitudes, this fact could produce corrosion increases in its structure.