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## The variation of the magnetopause position during substroms

- N. Nikolaeva (1), V. Parkhomov (2) and Yu. Yermolaev (1)
- (1) Space Research Institute RAS, Moscow, Russia, (2) Baykalsky State University of Economy and Law, Irkutsk, Russia (nnikolae@iki.rssi.ru)

We investigate the variation of amplitude of the magnetopause motion during substorm development. The magnetopause crossings detected by satellite INTERBALL-1 were used for analysis. The onset of substorm expansion phase was determined from ground stations data. The influence of variations in solar wind parameters on the magnetopause location was estimated by empirical magnetopause model (Shue et al, 1997). The work was supported by the RFBR, project nos. 04-02-13161 and 07-02-00042.