

Trapped proton fluxes observed on *Koronas-I,F* and *MSU-250* satellites

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The trapped 1-100 MeV proton fluxes measured in 1994-2005 on the polar *Koronas-I* and *Koronas-F* (500 km altitude) and *MSU-250* (970 km altitude) satellites are presented in the report. Experimental data are shown in (L,B)-coordinates (up to L=5). They are compared with the other satellite data (*Electron* and et.al.) and with the prediction of AP8 model considering solar activity. Calculation of (L, B)- coordinates was made taking into account the secular drift of the Earth's magnetic field .

It is shown that on drift shells $L < 1.4$ there is an essential difference between 1-5 MeV proton fluxes measured on the satellites and data predicted by the AP8 model. The data obtained for protons with energy more than 10 MeV coincide satisfactorily with the AP8 model.