

CHANGES IN COSMIC RAY INTENSITY OBSERVED ON CORONAS-I SATELLITE DURING MAGNETIC STORMS IN APRIL 1994

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The energetic charged particles ($E_p > 70$ MeV and $E_e > 55$ MeV) were measured by SONG instrument on board low altitude polar-orbiting CORONAS-I satellite. The interplanetary shock arrivals on 3-4 April 1994 ($D_{st} = -100$ nT) and 17 April 1994 ($D_{st} = -200$ nT) caused significant variations of fluxes of the energetic charged particles detectable on altitude of CORONAS-I satellite. The latitudinal and longitudinal dependences of these effects have been investigated separately for south and north of the minimum L equator on 500 km. The comparison with changes in the cutoff rigidities calculated by Smart et al. (1999) is done.

Smart, D. F. et al., 1999, *Proc. 26th ICRC*, 7, 337