

AA 541527
 CM 922 584
 K413 9488
 KG 906966

550-90

ABS. ONLY

98818
IP

58

INTERSHOCK OBSERVATIONS DURING STIP INTERVALS XVII
 AND XVIII.

G. Zastenker¹, N. Bořodkova¹, Yu. Yermolayev¹, V. Zhuravlev¹, V. Lutsenko², S. Klimov¹, S. Fischer², M. Vandas², K. Kudela³, M. Slivka³, Z. Němeček⁴, J. Safránková⁴

Prognoz-10-Intercosmos satellite

/Intershock project/ carried out observations on the earth orbit from April 26, 1985 till November 11, 1985, covering STIP Intervals XVII and XVIII. We present data obtained during the systematic measurements in the course of the STIP Interval XVII and partly XVIII: hourly averages of the solar wind speed, temperature and ion concentration, ion flux fluctuations $/10^{-1} - 10^{-3} \text{ Hz}/$, plasma wave parameters, energetic particles fluxes, magnetic fields etc.

A special attention is paid to the solar wind disturbances causing abrupt and large effects on the shape of the bow shock /like, for instance, on May 2, 1985, and September 14, 1985/. Generally the period of observation was very close to the minimum of solar activity and quiet without significant interplanetary shocks.

Affiliation:

- 1 - Space Research Institute, Profsoyuznaya 84/32, 117810 Moscow, USSR
- 2 - Astronomical Institute, Budečská 6, 120 23 Praha 2, Czechoslovakia
- 3 - Institute of Experimental Physics, Jesenná 5, 040 00 Košice, Czechoslovakia
- 4 - Faculty of Mathematics and Physics, Charles University, 180 00 Praha 8, Czechoslovakia