



Review of results from the plasma package ASPERA-4 onboard Venus Express

Stas Barabash (1), Jean-Andre Sauvaud (2), and the ASPERA-4 Team

(1) Swedish Institute of Space Physics, Kiruna, Sweden (stas@irf.se / +46 980 79050), (2) CESR/CNRS, Toulouse, France (Jean-Andre.Sauvaud@cesr.cnrs.fr / +33 5 61 556701)

The plasma package ASPERA-4 (Analyzer of Space Plasmas and Energetic Neutral Atoms) is operational since the Venus orbit insertion in April 2006 and provides measurements of ions, electrons, and energetic neutral atoms in the range from a few eV to few tens keV. We review the main results of the experiment, mainly, in the field of electrodynamics of the ion population including the ion escape measurements. The emphasize will be also given to the comparison of the interaction of the solar wind with Mars, Venus, and the Earth.