The activity under this grant concentrated on:

1) post-launch calibration of the HARP instrument; and

2) analysis and interpretation of the data from the HARP and other related instruments.

The HARP was taken by scientists and engineers from the Hungarian Central Research Institute for Physics [CRIP] to NASA/MSFC for calibration in their plasma chamber, with partial support of this grant. This electron and ion calibration of the HARP helped in transforming measured currents to actual flux values.

The analysis and interpretation of the data, carried out jointly by our Russian and Hungarian colleagues and us, led to a number of journal publications and presentations at scientific meetings. A list of papers, based on work partially supported by this grant, is listed below.

**Journal Publications:**

Observation of electron and ion fluxes in the vicinity of Mars with the HARP spectrometer. Shutte et al., *Nature*, 341, 614, 1989.


**Papers Presented at Meetings:**


