

Please refer to:
AD-18640
July 30, 1999

Applied Physics Laboratory

11100 Johns Hopkins Road
Laurel MD 20723-6099
240-228-5000 / Washington
443-778-5000 / Baltimore

Southwest Research Institute

6220 Culebra Road
Post Office Drawer 28510
San Antonio, TX 78228-0510

Attention: Ms. Michelle A. Chippie, CPCM

Subject: Proposal entitled "Investigation of Energetic Neutral Atom Images from the NPI/NPD Instruments of ASPERA-3 on Mars Express"

Reference: (a) SwRI RFP 99-15-067 dated 22 July 1999
(b) Proposal to European Space Agency "ASPERA-3" February 1998

Enclosure: (1) JHU/APL Proposal entitled "Investigation of Energetic Neutral Atom Images from the NPI/NPD Instruments of ASPERA-3 on Mars Express"
(2) JHU/APL Proposal Cost Volume for "Investigation of Energetic Neutral Atom Images from the NPI/NPD Instruments of ASPERA-3 on Mars Express"
(3) Representations and Certifications

Dear Ms. Chippie:

In response to Reference (a), The Johns Hopkins University Applied Physics Laboratory (JHU/APL) is pleased to submit a Firm Fixed Price (FFP) for its participation in the Mars Express/ASPERA-3 Program. As requested, the proposed price is \$387,200. This proposal is valid for a period of sixty (60) days.

The objective of this research is to extract scientific information from the ENA images obtained by the ASPERA-3 NPI/NPD instruments concerning the interaction of the solar wind with the neutral atmosphere of Mars. The general approach will follow that outlined in the ASPERA-3 proposal (Section 1.9, Vol. I of Ref. b). The scientific work will be carried out by JHU/APL Principal Professional Staff members Dr. Edmond C. Roelof and Dr. Donald J. Williams, both designated as ASPERA-3 Theory Co-Investigators in the Mars Express proposal selected by the European Space Agency.

The schedule of scientific presentations and publications, as identified within JHU/APL's proposed Statement of Work (SOW), is contingent upon nominal performance of the NPI/NPD instruments and their data reduction systems. If actual performance is less than nominal, there will be a corresponding slippage in the schedule of deliverables. JHU/APL shall retain the right to an equitable adjustment, as necessary, if this situation should occur.

Please be advised that JHU/APL is proposing on a FFP basis only to accommodate SwRI's mandate. This is an atypical contracting arrangement for JHU/APL and this offer shall not be construed as precedent setting for future contracting opportunities. The proposal does not lend itself to a multiple programmatic work breakdown structure; thus, the program will be managed as a single work breakdown element.

This proposal has been priced in accordance with JHU/APL's Forward Pricing Rate (FPR) package as submitted to its Administrative Contracting Officer (ACO), Ms. Diane Rich. It is requested that any need for rate verification be processed through Ms. Rich's office at 240-228- 5247.

Any questions regarding the scientific portion of this proposal should be directed to the Principal Investigator, Dr. Edmond C. Roelof, at 240-228-5411. Please contact Mr. Barry E. Tossman, Program Manager, at telephone number 240-228-5294 for programmatic issues, and Mr. James A. Krug, Contracting Officer, at 240-228-6052 for contractual issues.

Very truly yours,



S. M. Krimigis
Head, Space Department



E. J. Hinman
Assistant Director for Programs

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Orig: Ms. Michelle A. Chippie, Southwest Research Institute