

### A.3.9 Mars Data Analysis Program (MDAP)

#### 1. Scope of Program

The objective of the Mars Data Analysis Program (MDAP) is to enhance the scientific return from the Mars Pathfinder (MPF) and Mars Global Surveyor (MGS) Missions by broadening the scientific participation in the analysis of the MPF and MGS data. The MDAP supports scientific investigations using data obtained during and after the aerobraking phase of MGS and data obtained by MPF in its primary and extended mission phases on the surface of Mars.

An investigator may propose a study (scientific, landing site science, cartographic, topographic, geodetic research) based on analysis of Mars data collected by the MPF and/or MGS missions (additional information about the MPF and MGS Missions, and references containing preliminary science results can be found on the Mars Program homepage at URL <<http://mpfwww.jpl.nasa.gov>>). In addition, correlative studies that use Mars data from another source with flight mission data to further the understanding of some aspect of Mars science are also included in this category. The other data could come from ground-based observations or from other spacecraft. Funds awarded for correlative studies will be used to cover data analysis and expenses involved in collaboration with other Mars investigators. Funds will not be authorized for taking new observations or for support of observing facilities. In anticipation that selected investigations may result in by-products (e.g., mineral, topographic, planometric, cartographic, and geologic maps, and calibration data) that are of broad use to the science community, a plan for archiving and making such by-products readily available must be included in the proposal.

Proposals for topical conferences, workshops, consortia, symposia, or other new initiatives related to MDAP are also solicited through this NRA. For more information about the type of research supported by this program, abstracts for currently funded investigations are available at <<http://www.hq.nasa.gov/office/oss/codesr/welcome.html>>.

#### 2. Sources of Information and Data

It is the responsibility of the investigator to acquire any required data. Before submitting a proposal, each proposer should determine that the required data are available. MPF and MGS, as well as data from previous Mars missions, are available from the Planetary Data System (PDS) that can be accessed on the PDS home page at <<http://pds.jpl.nasa.gov/pds.home.html>>. Proposers who wish to use photographic and cartographic materials may find such data at the nearest Regional Planetary Image Facility (RPIF). Locations of RPIFs are listed on the RPIF home page at URL <<http://cass.jsc.nasa.gov/library/RPIF/RPIF.html>>.

### 3. Programmatic Information

The MDAP is envisioned to be a multiyear program that will support analysis of data returned by the planned series of Mars Surveyor missions over the next decade. It is anticipated that approximately \$2.3M will be available for the MDAP in Fiscal Year 2000. It is estimated that 25 to 50 investigations (both new and in-progress multiple-year proposals) may be selected from proposals submitted in response to this Announcement. Investigations may be proposed for a one-, two-, or three-year period of performance. Funding of investigations will be phased to ensure new starts each successive year of the program. Awards under this NRA are subject to availability of program funds.

NOTE: Appendix C contains critical information necessary for the preparation and submission of proposals submitted in response to this NRA. In particular, Section C.5.3 contains detailed standards concerning the format, page limits, and contents of a proposal. The submission of a proposal not in compliance with these standards may complicate and/or hinder its efficient and complete evaluation. Therefore, deficiencies in format and/or omission of key information may result in a proposal being found unacceptable for evaluation, or if evaluated, being adversely affected during the evaluation process.

Holders of existing MDAP multiple year awards (e.g., the second- or third-year award from a previous NRA) must submit a request for an annual funding allotment of their award in the form of a *Progress Report* by the deadline given in Table 1 for new proposals for this program element. These *Progress Reports* will be screened by the peer review panel that will be reviewing new proposals to aid NASA's evaluation of progress. The Project Description in such a request for allotment, including a report of progress made during the past year, should be limited to no more than five single-spaced, typewritten pages and include a brief statement of planned work for the coming year, a report of progress made during the previous year, a budget, and an estimate of the amount of previously awarded funds that remain available at the end of the award year. The five page limit does not include a Cover Page, a listing of proposal personnel, *Proposal Summary* (Abstract), *Budget Summary*, *Table of Contents*, references, figures, requests for equipment augmentations, detailed budgetary information, reprints, or appendices.

The schedules for submission of the Notice of Intent and proposal are given in Table 1 of the cover letter of this NRA. The World Wide Web site for submitting both the NOI and the *Cover Page/Proposal Summary* (see Appendix C.5) is <<http://cass.jsc.nasa.gov/panel/>>; proposers without access to the Web or who experience difficulty in using this site should contact the Lunar and Planetary Science Institute by E-mail at <[panel@lpi.jsc.nasa.gov](mailto:panel@lpi.jsc.nasa.gov)> or phone at (281) 486-2137 for assistance. Hard copies of the proposals are to be delivered to:

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Mars Data Analysis Program (MDAP)  
The Lunar and Planetary Institute  
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Phone contact for commercial delivery: (281) 486-2189

Obtain additional information from the Discipline Scientist:

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