

# **National Aeronautics and Space Administration (nasa.gov): NASA Planetary Science Division ROSES Data Management Plan (DMP) Template - Data Management Plan**

## **Overview of the data that will be produced by the proposed project**

Describe project data needed to validate the scientific conclusions of peer-reviewed publications, especially data underlying figures, maps, and tables, as well as data that would enable future research and/or the replication/reproduction of published results. If the project would produce data that are exempted in the NASA Plan for Increasing Access to the Results of Scientific Research, or no data that are scientifically appropriate for public release, explain why.

## **Data types, volume, formats, and (where relevant) standards**

Describe the major types of data produced by the project [e.g., images, 1- dimensional spectra, multidimensional tables]; the approximate amount of each type expected [e.g., 300 1-dimensional spectra, each of ~10kB]; the format of the data, [e.g., FITS image files, ASCII tables, Excel spreadsheets]; and any applicable standards for the data or metadata content or format [e.g., PDS4, EarthChem].

## **Schedule for data archiving and sharing**

Provide an anticipated schedule or timeline for when project data would be prepared for and deposited in the repository and when they would become publicly available. A timeline relative to the publication of major results is acceptable. Please use project years and quarters rather than calendar years and quarters.

## **Intended repositories for archived data and mechanisms for public access and distribution**

State where the project data are intended to be archived, and describe the terms under which data would be made available by the repository. Repositories are expected to provide data without restriction or fees other than the nominal costs of reproduction and shipping; i.e., they must be publicly accessible with no paywall. If no appropriate repository exists, please explain the situation and state what steps will be taken to provide some degree of access.

## **Plan for enabling long-term preservation of the data**

State how the intended repositories will preserve the data and provide public access on a time-scale of one decade or longer.

## **Software archiving plan**

Describe plans to archive any software required to enable future research and/or the replication/reproduction of published results [see full instructions in ROSES Appendix C.1]. Software should be made publicly available when it is practical and feasible to do so and when there is scientific utility in doing so. Any source code that is made publicly available should be distributed, with appropriate documentation, via GitHub, the PDS, or other appropriate community-recognized repository. If software would be developed but not archived, explain why.

## **Astromaterials archiving plan**

If your proposal includes plans to acquire or collect astromaterials, such as meteorites, micrometeorites, or cosmic dust, describe plans to make publicly available material not consumed during the research [see full instructions in ROSES Appendix C.1]. Such astromaterials should be made available when it is practical and feasible to do so and when there is scientific utility in doing so. This section may optionally cover how other physical materials collected, purchased, or synthesized during the planned research would be made publicly available.

## **Roles and responsibilities of team members for data management**

Explain which team members would perform data archiving tasks and indicate explicitly what those tasks would be. If there are costs associated with data archiving, those must appear – with explanation – in the proposal budget.

## **National Aeronautics and Space Administration (nasa.gov): NASA Planetary Science Division ROSES Data Management Plan (DMP) Template - Table of Work Effort**

### **Instructions**

Three tables must be included: "Work Efforts to be funded by this proposal", "Work Efforts proposed, but NOT to be funded by this proposal", and "TOTAL Work Efforts proposed (Funded + Unfunded)."

Include rows for all personnel, whether paid or unpaid, in all three tables and include placeholders for any postdocs, students, etc., who are not specifically identified by name in the proposal. Add rows as needed for large teams. List work efforts by proposal years only, not by fiscal years. Because collaborators are by definition unpaid, you may enter "n/a" in the paid FTE columns in the topmost table, "Work Efforts to be funded by this proposal." DO NOT include any explanatory text for this table.

Descriptions of roles and responsibilities belong in the Scientific, Technical, and Management section of the proposal (within the 15-page limit, unless otherwise stated). All work efforts should be given in fractions of a person-work-year (where a year is a 12-month year, not a 9-month academic year).

See the [PSD table of work-effort Template \(PDF\)](#) for further explanation.

**National Aeronautics and Space Administration (nasa.gov): NASA Planetary Science Division ROSES Data Management Plan (DMP) Template - Technology Readiness Level (TRL) Assessment**

**TRL assessment spreadsheet**

See the [TRL Assessment spreadsheet](#) for more details.

**National Aeronautics and Space Administration (nasa.gov): NASA Planetary Science Division ROSES Data Management Plan (DMP) Template - Entry level Summary Chart for Instrument Development Programs**

**Entry level summary chart**

See the [PICASSO entry level summary chart](#) for more details.