

[Black and red, PDS MC, Dec 2004; Green, PDSWG Mar 2005]

PDS MISSION STATEMENT

The mission of the Planetary Data System is to facilitate achievement of NASA's planetary science goals by efficiently collecting, archiving, and making accessible usable data produced by or relevant to NASA's planetary missions, research programs, and data analysis programs.

PDS REQUIREMENTS (Level 1 in bold, Level 2 in red)

1. PDS will provide scientific and technical expertise to guide and assist missions, programs, and individuals to organize and document data supporting NASA's goals in planetary science and exploration.

- 1.1 Single Point of Contact: PDS will provide a single point of contact to each mission, program, agency, or individual (i.e., data providers) wishing to submit archival data.
- 1.2 Expert Help: PDS will provide expert help in designing archival data sets
- 1.3 Plans and Documents: PDS will assist data providers in developing archive plans, interface control documents, validation procedures, and delivery schedules
- 1.4 Archiving Standards: PDS will develop, publish, and maintain archiving standards for planetary science data
- 1.5 Archiving Tools: PDS will develop, distribute, and maintain tools for assembling, validating and submitting archival products

2. PDS will collect suitably organized and well documented data into archives reviewed and maintained by members of the scientific community.

- 2.1 Validation: PDS will develop and implement procedures for validating all submissions for compliance with standards.
- 2.2 Peer Review: PDS will develop and implement procedures for peer reviewing all submissions for completeness and accuracy of content, including documentation
- 2.3 Ingestion: PDS will develop and maintain procedures for ingesting and cataloging archival data

2.4 Storage Systems: PDS will develop and maintain ~~an~~ appropriate storage systems for its archive

3. PDS will make ~~these data~~ the contents of its archive accessible to users seeking to achieve NASA's goals for exploration and science.

3.1 Search: PDS will develop and implement search capabilities for its holdings

3.2 Retrieval: PDS will develop and implement procedures for transferring data to users

4. PDS will ensure the long term preservation of the data and maintain their usability.

4.1 Long Term Preservation: PDS will determine and implement long-term preservation procedures

4.2 Long Term Usability: PDS will establish long-term usability requirements and implement procedures for meeting them

Other issues

PDS/HQ re NRA/AO language

PDS/HQ re enforcement

Establishment and measurement of performance standards