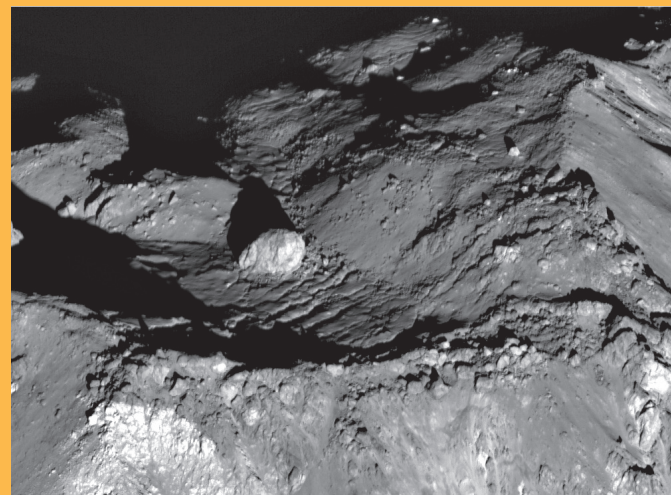


Engineering Node

The Engineering Node (EN) provides systems engineering leadership and support to the entire PDS. EN handles the global aspects of the PDS such as the system architecture, standards and technology, and the development of system-wide software tools. EN coordinates the organization and distribution of data, the development and implementation of catalog meta-data, and the management of the high-level portal to access the PDS archive. The Engineering Node is located at JPL and is under the management of Jordan Padams.

For information please visit:

pds.nasa.gov



Images

Jupiter-Juno

Complex colors in Jupiter's clouds

Mars-Perseverance Rover

Selfie with Ingenuity

Moon-Lunar Reconnaissance Orbiter

Mosaic of Lunar North Pole

Saturn-Cassini

Translucent Arcs of Rings

Asteroid Bennu-Osiris Rex

Sample Collection

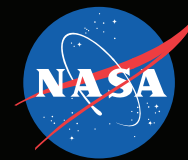
Moon-Lunar Reconnaissance Orbiter

Sunrise view of Tycho Crater Central Peak

NP-2022-8-846-GSFC



National Aeronautics and
Space Administration



Dr. Timothy McClanahan
PDS Project Manager
Goddard Space Flight Center
Greenbelt, MD 20771

Project Management
pdsmanagement.gsfc.nasa.gov

Atmospheres Node
pds-atmospheres.nmsu.edu

Geosciences Node
pds-geosciences.wustl.edu

**Navigation & Ancillary Information
Facility (NAIF) Node**
naif.jpl.nasa.gov

Cartography & Imaging Sciences Node
pds-imaging.jpl.nasa.gov

Planetary Plasma Interactions Node
pds-ppi.igpp.ucla.edu

Ring-Moon Systems Node
pds-rings.seti.org

Small Bodies Node
pds-smallbodies.astro.umd.edu

Engineering Node
pds-engineering.jpl.nasa.gov

For information please visit:
pds.nasa.gov

www.nasa.gov

Planetary Data System



The Planetary Data System acquires, preserves, and distributes the large volumes of unique and valuable data returned by Solar System Exploration missions.

Planetary Data System

The NASA Planetary Data System (PDS) is an active archive that provides peer reviewed planetary science data to the research community. Sponsored by NASA's Science Mission Directorate, its purpose is to ensure the long-term viability and utility of planetary science data and to stimulate scientific research. PDS today is a leader in archive technology, providing a basic resource for scientists and educators. The PDS is a distributed information system with discipline nodes located at various institutions across the U.S. PDS is managed at the Goddard Space Flight Center in Greenbelt, Maryland.



Atmospheres Node

The Atmospheres Node is responsible for the acquisition, preservation, and distribution of all non-Earth, non-imaging atmospheric data from planetary missions. The Atmospheres Node is located at New Mexico State University and is under the management of Dr. Nancy Chanover.

Geosciences Node

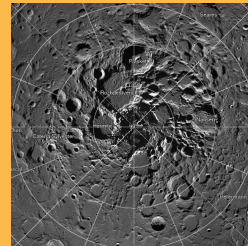
The Geosciences Node acquires and maintains data sets relevant to the study of the surfaces and interiors of terrestrial planetary bodies. Expert assistance is provided to the scientific community in accessing various data types. The Geosciences Node is located at Washington University in St. Louis and is under the management of Dr. Paul Byrne.

Navigation and Ancillary Information Facility (NAIF) Node

The NAIF Node is responsible for design and implementation of the SPICE concept - a means for archiving, distributing and accessing observational geometry and related ancillary data used in mission design, mission evaluation, observation planning and science data analysis. The NAIF Node is located at JPL and is under the management of Boris Semenov.

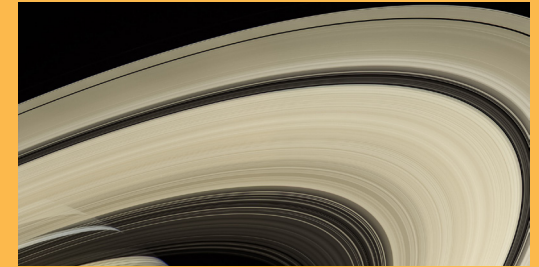
Cartography & Imaging Sciences Node

The Cartography & Imaging Sciences Node maintains and distributes the digital image collections from many planetary missions. The node provides to the science community image archives, ancillary data sets, software tools, and the technical expertise necessary to utilize this vast collection. The Cartography & Imaging Sciences Node is located at the United States Geological Survey (USGS) in Flagstaff, Arizona under Trent Hare.



Planetary Plasma Interactions Node

The Planetary Plasma Interactions (PPI) Node is responsible for acquisition, preservation, and distribution of fields and particles data from all planetary missions. The PPI Node is at the University of California at Los Angeles and is under the management of Dr. Raymond Walker.



Ring-Moon Systems Node

The Ring-Moon Systems (RMS) Node is devoted to archiving and distributing scientific data sets relevant to planetary ring and moon systems. The RMS Node is at the SETI Institute and is under the management of Dr. Matt Tiscareno.

Small Bodies Node

The Small Bodies Node (SBN) provides consulting expertise and data sets acquired by missions and ground- and space-based telescopes for comets, asteroids, and interplanetary dust. SBN is located at the University of Maryland (UMD) College Park and is under the management of Dr. James Bauer. Subnodes responsible for a variety of disciplines are distributed at UMD (comets; Minor Planet Center) and the Planetary Science Institute (asteroids; dust).

