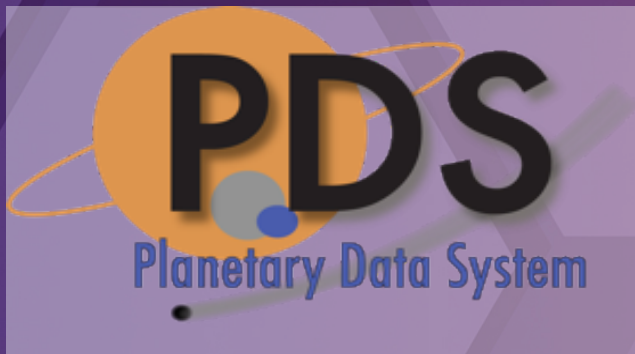
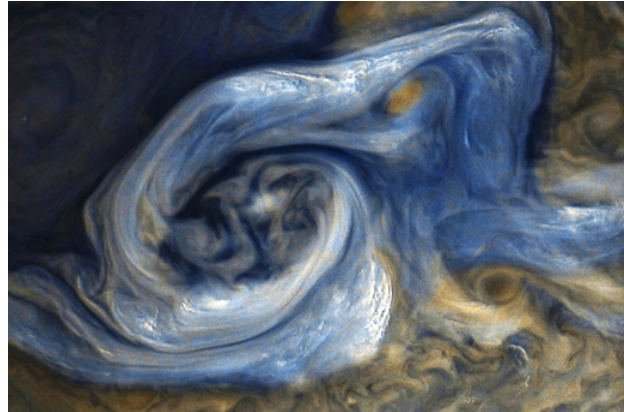
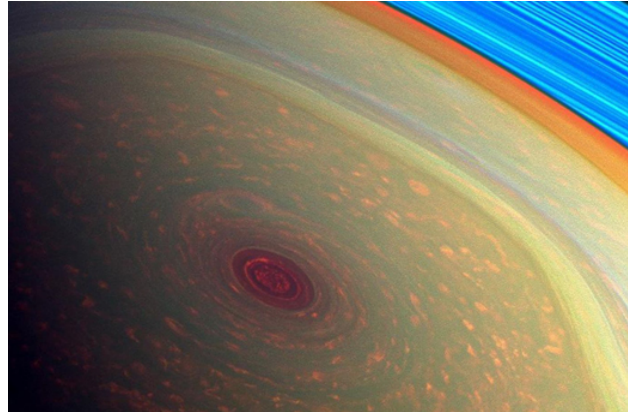
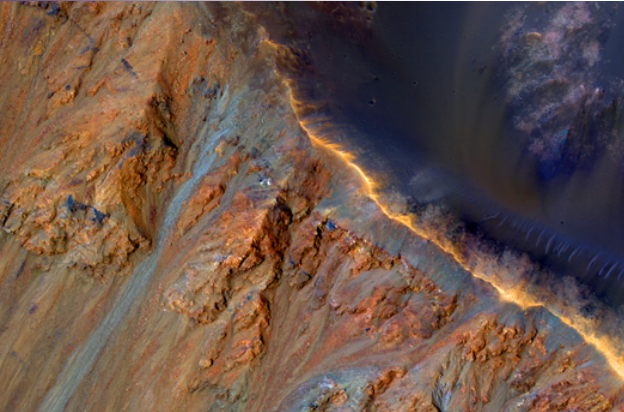


National Aeronautics and  
Space Administration



# SCIENCE



Becky McCauley Rensch, PDS Program Scientist

April 26, 2019

# What is PDS?

- The Planetary Data System (PDS) is a distributed archive of data products from NASA planetary missions. PDS is composed of eight teams, called "nodes." There are five science nodes organized primarily by subdisciplines of the planetary sciences. The remaining three nodes provide systems engineering, navigation and ephemeris information, and image processing support.
- The PDS currently holds >1.7 PB of data from >70 missions.
- The mission of the PDS is to facilitate achievement of NASA's planetary science goals by efficiently archiving and making accessible digital data produced by or relevant to NASA's planetary missions, research programs, and data analysis programs.
- Archiving mission data to a NASA approved Public Archive should be an integral part of your proposed investigation (see Section 4.4. of the Discovery AO).
- More info at: <https://pds.nasa.gov>



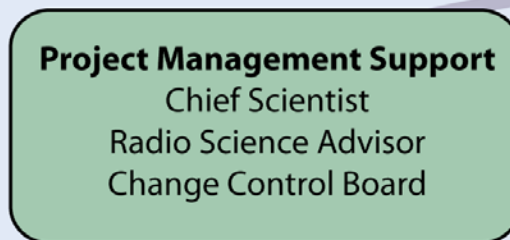
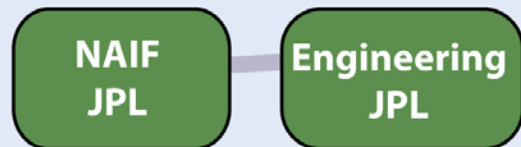
# PDS Organization

## Current Organization of the Planetary Data System

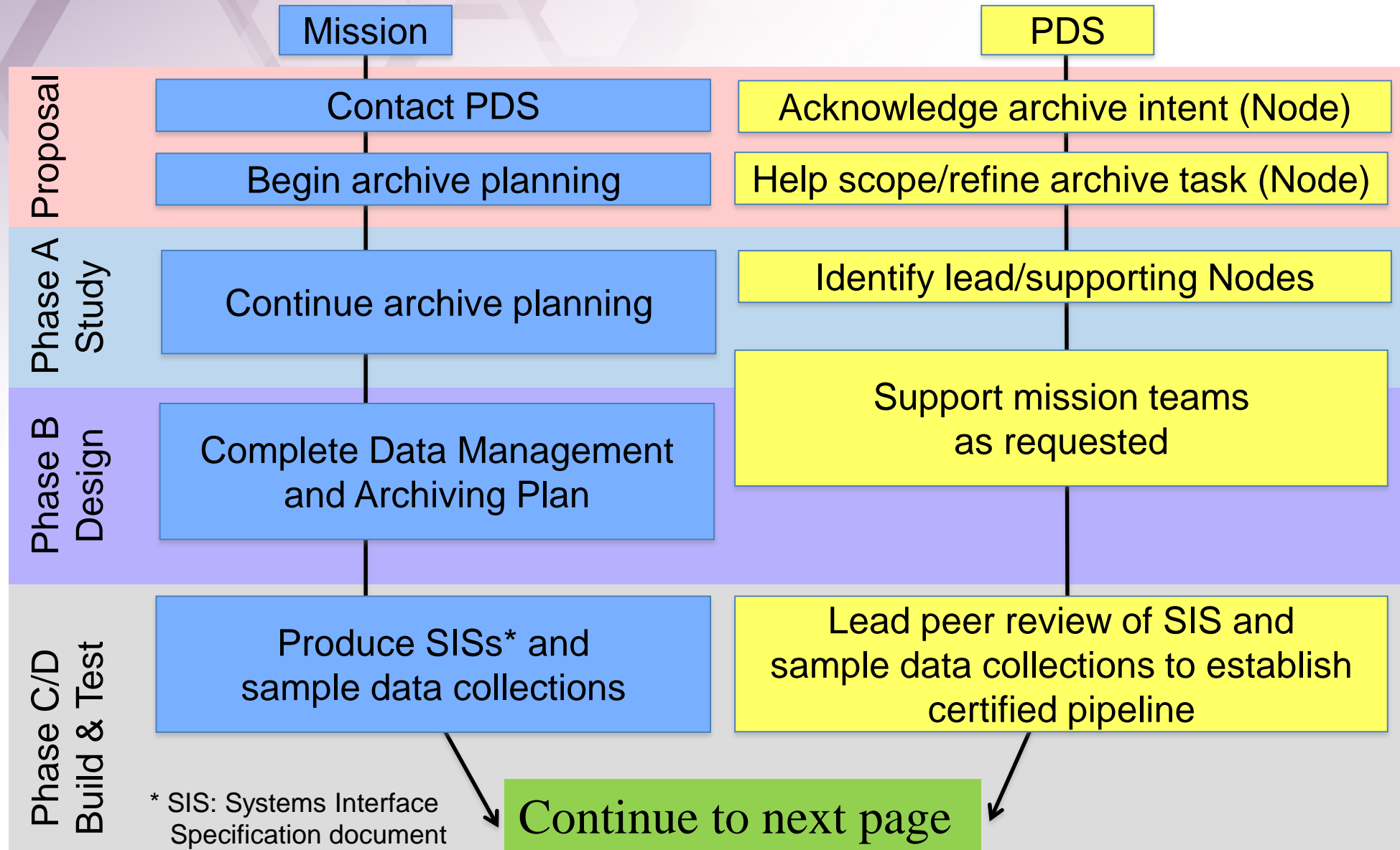
### Discipline Nodes



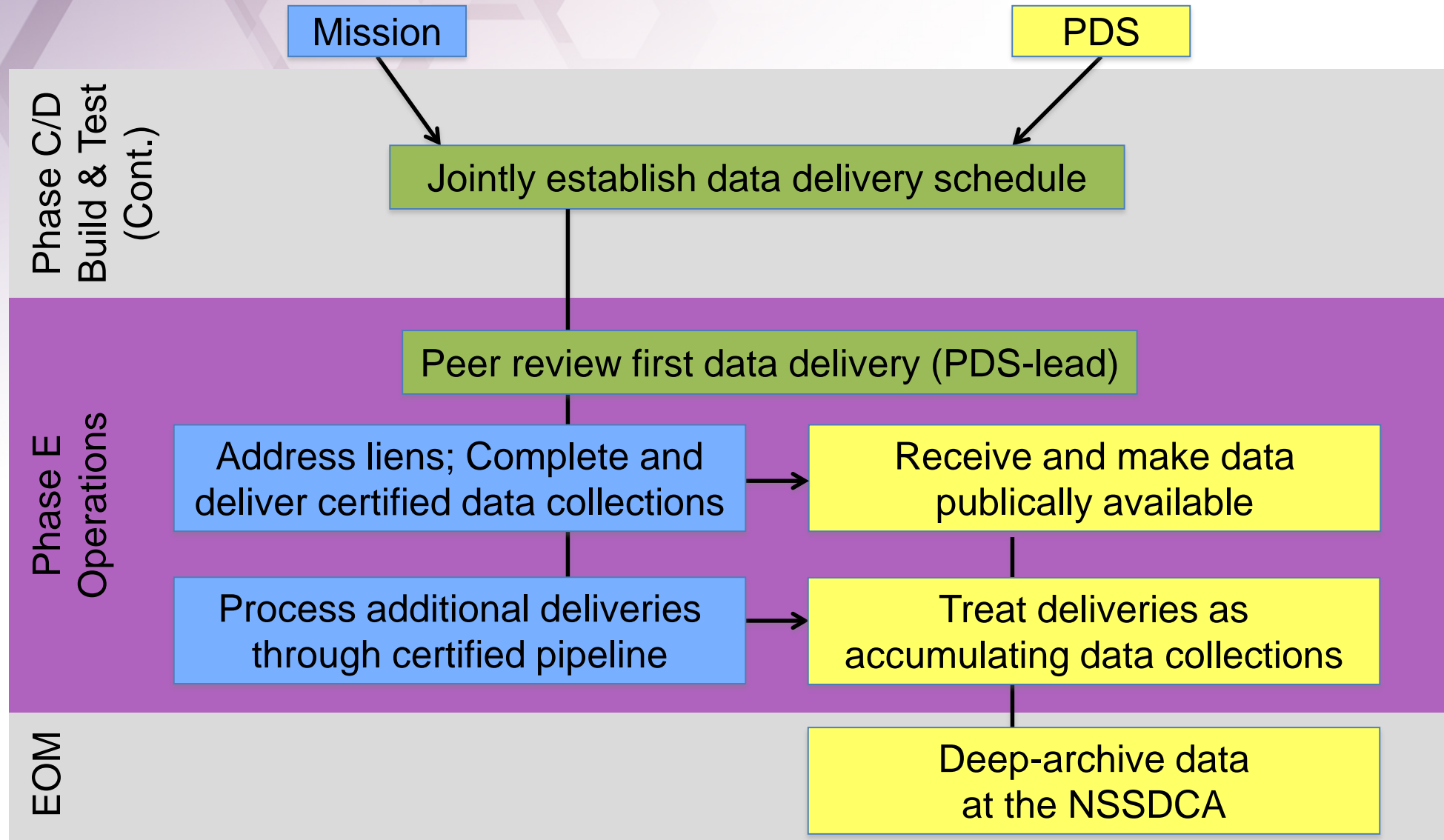
### Technical Support Nodes



# The PDS Archive Process



# The PDS Archive Process (cont.)



# PDS Resources for Discovery Proposers

- The AO indicates there are several possible appropriate NASA data archives to which the data may be submitted. For most Discovery proposals the PDS is, likely, to be the appropriate NASA-approved data archive. PDS archives are compliant with the current International Archiving Standard for Planetary Data, PDS4.
- PDS personnel listed by node in the next slide can provide technical advice on validation and documentation, on peer review, on adequate resource levels to process the data, and complete submission to the PDS. All of these individuals will treat your questions confidentially.
  - Information on SPICE kernels available at <https://naif.jpl.nasa.gov> or contact Chuck Acton.
  - PDS Nodes are ready and eager to help proposers respond to the AO archiving requirements
- PDS can assign DOIs to your data products, which may be of use to you in complying with NASA Plan for Increasing Access for the Results of Scientific Research (see also section 4.4.2 of the Discovery AO).
- Planetary Data System Mission Proposer's Archiving Guide (MPAG) v 4.0.0
  - <https://pds.nasa.gov/home/proposers/Mission-Proposers-Archive-Guide-v4-r5.pdf>
  - Small edits/updates being made currently
- Guides to the archiving process: <https://pds.nasa.gov/datastandards/about/>
- Tools for data archive preparation: <https://nasa.pds.gov/tools/about/>

# PDS Personnel Contact Info

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